

RECEIVED

MAY 15 1995

Gold Commissioner's Office
VANCOUVER, B.C.

LOG NO: MAY 26 1995 U

ACTION:

FILE NO:

GEOLOGY AND GEOCHEMISTRY REPORT

on the

**UNUK PROJECT
(Coul Claim Groups)**

**SKEENA MINING DIVISION
NTS 104B/9, 104B/10**

Owners:

Malcolm Bell, Clive Ashworth, Granges Inc.

FILMED

Operated by **GEOLOGICAL BRANCH**
GRANGES INC. **ASSESSMENT REPORT**
2230-885 WEST GEORGIA STREET
VANCOUVER B.C.

V6B 3Z8

23,910

FEBRUARY 28, 1995

V.P. VAN DAMME

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION	
1.1 Area History	1
1.2 Location	2
1.3 Physiography and Vegetation	2
1.4 Claim Data	2
1.5 Previous Exploration	3
1.6 Objectives	4
2.0 GEOLOGY	
2.1 Regional Geology	4
2.1.1 Stratigraphy	4
2.1.2 Intrusive Rocks	7
2.1.3 Structure	8
2.1.4 Metamorphism	9
2.1.5 Area Deposits	9
2.2 Property Geology	11
2.2.1 Stratigraphy	11
2.2.2 Intrusives	13
2.2.3 Structures	14
2.2.4 Metamorphism	15
2.2.5 Property Showings	15
3.0 EXPLORATION PROGRAM	
3.1 Program Summary	16
3.2 Program Parameters	17
3.3 Geology	18
3.3.1 R Grid Geology	18
3.3.1.1 Stratigraphy	18
3.3.1.2 Structure	18
3.3.1.3 Alteration/Mineralization	18
3.3.2 Jeff Grid Geology	19
3.3.2.1 Stratigraphy	19
3.3.2.2 Structure	19
3.3.2.3 Alteration/Mineralization	19
3.4 Geochemistry	19
3.4.1 Soil Geochemistry	19
3.4.2 Litho-Geochemistry	20

TABLE OF CONTENTS (continued)

	<u>Page</u>
4.0 DISCUSSION	21
5.0 CONCLUSIONS	22
6.0 STATEMENT OF EXPENDITURES	23
7.0 STATEMENTS OF QUALIFICATION	24
8.0 BIBLIOGRAPHY	26
 APPENDIX A. CERTIFICATES OF ANALYSIS	

LIST OF FIGURES

		<u>Location Follows Page</u>
Figure 1.	Location Map	2
Figure 2.	Claim Map	2
Figure 3.	Tectono-Terrane Map	4
Figure 4.	Location of Grids and Showings, Scale 1:100,000	15
Figure 5.	R Grid Geology and Rock Sample Locations, Scale 1:2000.....	in pocket
Figure 6a/6b.	Jeff Grid Geology and Rock Sample Locations, Scale 1:2000	in pocket
Figure 7.	R Grid Soil Geochemistry (Ag, Au, As, Cu), Scale 1:2000	in pocket
Figure 8.	R Grid Soil Geochemistry (As, Sb), Scale 1:2000	in pocket
Figure 9.	R Grid Soil Geochemistry (Pb, Zn, Mo, Cu), Scale 1:2000	in pocket
Figure 10a/10b.	Jeff Grid Soil Geochemistry (Ag, Au, As, Cu), Scale 1:2000	in pocket
Figure 11a/11b.	Jeff Grid Soil Geochemistry (As, Sb), Scale 1:2000	in pocket
Figure 12a/12b.	Jeff Grid Soil Geochemistry (Pb, Zn, Cd, Mo) Scale 1:2000	in pocket

SUMMARY

The Unuk property is located in northwest British Columbia 70 km northwest of Stewart and 950 kilometres northwest of Vancouver. The property is controlled through a joint venture between Granges Inc. and Bristol Resources and is comprised of 38 claims totalling 14,725 hectares which are in the Unuk River Area of the Skeena Mining Division. The Unuk River Area falls within the Iskut Triangle. The Iskut Triangle hosts rocks of Permian through Cretaceous and younger age that form part of the Stikine Terrane of the Intermontane Belt. Unuk or Junuch is Tlingit for 'Dream'.

Upper Triassic Stuhini group lithologies are found to the east of the John Peaks Ridge lineament. Triassic and older rocks are found immediately west of the South Unuk Harrymel deformation zone. These two structures define the lateral limits in which earlier detailed exploration and the 1994 project areas occurred. Within these lateral limits occur rocks entirely of the Jurassic Hazelton Group.

Hazelton group rocks mapped are readily divisible into lower sedimentary, lower andesite, lower felsic, upper felsic, and upper mafic volcanic sequences. Previously rocks were divided into Jack, Unuk, Betty Creek, Mount Dilworth and Salmon River formations but regional type section incompatibilities curtails their meaningful application. Lowermost Hazelton Group stratum is an intraformational unit and consists of locally fossiliferous conglomerate to sandstone intervals or granitoid volcanoclastic cobble conglomerate, variably overlain by arenitic sandstone. Andesite sequence rocks are monolithic ash tuff to tuff breccia with interspersing waterlain tuff and argillite. Lower felsic rocks are more varied principle units are feldspar crystal tuff, lithic tuff, and heterolithic felsic tuff. Upper felsic volcanic rocks consist of lapilli tuff, tuff breccia, autobreccia, welded ash flow, flow banded rhyolite and epiclastic rhyolitic sediments. The mafic volcanic sequence is composed of ande-basalt pillowed flows, pillow breccias, massive flow and minor tuff interbedded with black argillite and fine siltstone, the latter becoming dominant up sequence.

All lithologies are present in three regional antiforms; the Prout, Eskay and McTagg anticlinorium. They are cut by north-northeast trending normal faults and north-northwest trending reverse-high angle thrust faults. Regional features that define property limits are the South Unuk-Harrymel Fault to the west and the McTagg axis and Sulphurets thrust to the east.

Rocks underlying the claims are intruded by Jurassic diorite John Peaks and upper felsic volcanic equivalent subvolcanic at or near the base of lower felsic volcanic sequence.

Metamorphism is sub greenschist.

Soil profiles reflect no significant accumulation of glacial till.

Recent volcanic ash occurs in thin isolated pockets. An alluvial effect is present only at low elevations in areas immediately adjacent to the Unuk River. Colluvial processes are not significant and except on the R grid. Soil geochemistry is considered to effectively reflect underlying rock.

Several potential styles of mineralization exist. Porphyry related mineralization in Triassic sediments, shear and vein hosted mineralization in lower andesite sequence rocks and polymetallic volcanogenic mineralization at or near rhyolite basalt contacts.

Multi-element soil anomalies and mapping effectively delineate additional instances of upper felsic and mafic sequence lithologies on the R grid. No additional significant anomalies over the Jeff grid are delineated, the lithologies of which have been assigned to lower andesite and upper mafic sequences.

1.0 INTRODUCTION

1.1 Area History

Mineral exploration commenced in the general area about 1885 when placer miners on their way out of the Caribou prospected Observatory Inlet and its arms north of the Nass River. Subsequently, the Unuk River, Stewart, Portland Canal, Anyox and Alice Arm Destructs became targets of extensive prospecting.

The first mineral discovery in the area is credited to a prospector named O'Hara who returned from the Unuk region in 1893 with placer gold. By 1898 F.E. Gingras, H.W. Ketchum and C.W. Mitchell had established gravel workings on the mouth of Mitchell Creek at Sulphurets Creek.

In 1898 the first mineral claims, the Cumberland (Copy Property) and Globe (Doc Property) groups were staked by H.W. Ketchum and L. Brant. 1901 saw their purchase by the Unuk River Mining and Dredging Company. In 1903 a road from Tidewater on Burroughs Bay to the Cumberland Group was initiated and completed as far as the 'Landing' at the head of third canyon before efforts were abandoned. Machinery destined for the Cumberland never reached the property and operations ceased.

In 1905, F.E. Wright of the U.S. Geological Survey visited the Unuk River as an extension of his work on the Alaskan side of the nearby International border and submitted his findings to the Canadian Government. This was the first of a series of government sponsored surveys in the area.

Between 1903 and 1929 activity essentially ceased until cursory prospecting by T.J. McQuillan and T. Terwilligen resumed in the area at large.

A prospecting expedition representing a Premier-backed syndicate in 1932 led by T.S. Mackay, A.H. Melville and W.A. Prout conducted exploration efforts in the Ketchum Creek area. Nearly continuous exploration was undertaken, with the exception of World War II, under numerous options but the ground always reverted back to Mackay. Work done on prospects located between 1932 and 1989 led to the definition of the prolific Eskay Creek 21A and 21B deposits. The latter recently commenced production in the fall of 1994.

The central region had little exploration activity until the 1960's when interest in porphyry copper deposits led Newmont and Granduc to conduct a broad regional evaluation. This work, an increase in copper prices, and a series of property turnovers with the ground reverting to Newhawk led to the identification of the Kerr, Sulphurets, Snowfield and West Zones.

Interest in the Globe group or present day Doc property was renewed in 1946 and intermittent activity occurred between then and termination of operations by Echo Bay in 1989 with the identification of the Q17 and Q22 veins.

1.2 Location

The Unuk property is situated in northwestern British Columbia 70 kilometres north of Stewart and 950 kilometres northwest of Vancouver (Figure 1). The property is centred at 56 degrees 35 minutes north latitude and 130 degrees 20 minutes west longitude and falls within the 104B/09E, 104B/09W and 104B/10E map sheets of the NTS series.

1.3 Physiography and Vegetation

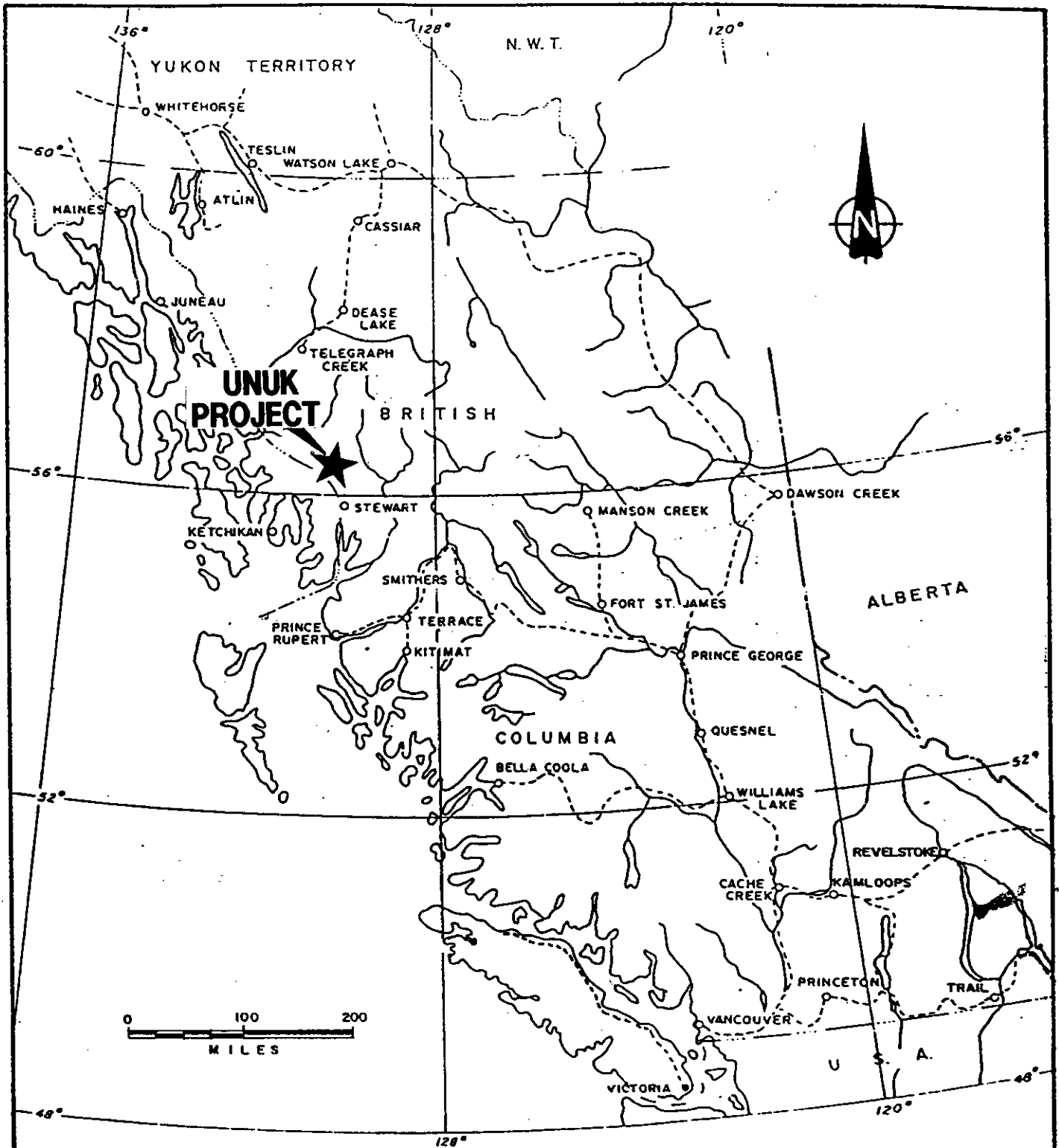
The Unuk Property is situated within the Boundary Ranges of the Coast Mountains in northwestern British Columbia. The claims are traversed to the west by the Unuk River and Coulter Creek and fall between Harrymel Creek to the west and Treaty Glacier to the east. Elevations range from 250 metres on the Unuk River to a maximum of 2164 metres along the ridge north of twin John Peaks. Topography is flat to rolling along braided segments of the Unuk River, moderately steep with frequent cliffs along west facing slopes and extremely steep along narrow incised drainages.

Vegetation along the Unuk River flats is comprised of mature stands of spruce, fir and cottonwood. Fir and hemlock occur on slopes thinning into isolated stands at the treeline at approximately 1200 metres. On lower slopes below 500m, dense undergrowth of alder and devil's club occur concentrated on slides and along drainages. At upper elevations a large area is covered by glacier, permanent icefields and many north facing slopes which commonly have semi-permanent snow pack present throughout much of the year.

Climate is generally classified as Coast Moderate although the property falls near the boundary with the Intermontane Transitional climatic belt. Interaction across this non-static boundary results in a frequent phenomenon known as the Prout Fog between 800 and 1200 metres along the valley of major drainages. Weather is typified by cool damp snowy winters and warm wet summers. Snowfall frequently exceeds 15 metres at high elevations and 2 to 3 metres along the Unuk Valley.

1.4 Claim Data

The Unuk property mineral claims are comprised of 589 units or 14,725 hectares of prospective ground, all located within the Skeena Mining Division (Figure 2). The claims are operated by



LOCATION MAP

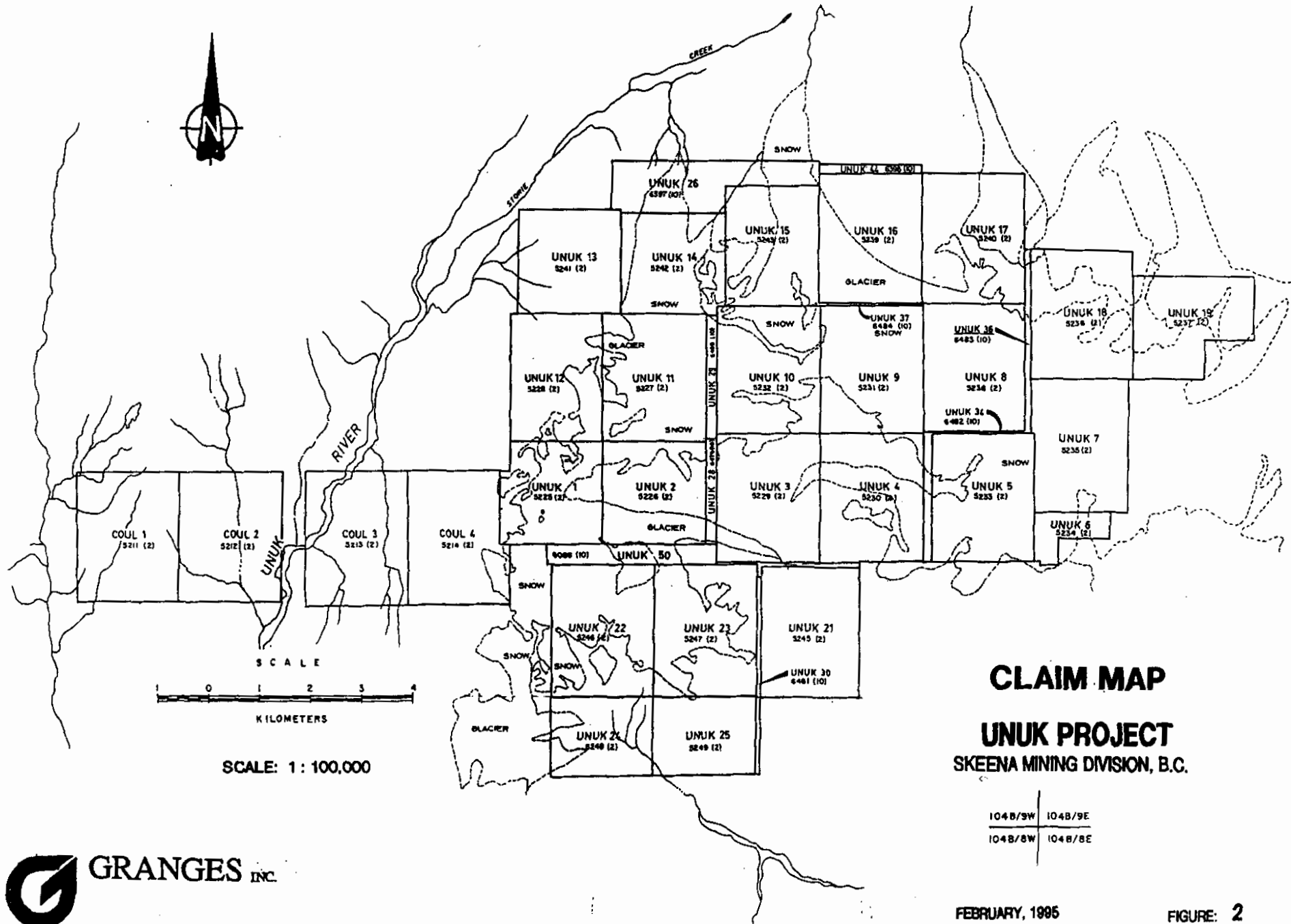
UNUK PROJECT
SKEENA MINING DIVISION, B.C.



GRANGES INC.

FEBRUARY, 1995

FIGURE 1



CLAIM MAP
UNUK PROJECT
SKEENA MINING DIVISION, B.C.

1048/SW 1048/9E
1048/8W 1048/8E



FEBRUARY, 1995

FIGURE: 2

Granges Inc. (63.67% interest) in joint venture with Bristol Exploration Ltd. (36.33% interest), successor to Springer Resources Ltd. Granges Inc., Malcolm Bell and Clive Ashworth are the registered owners of the claims.

The claims are recorded as follows:

<u>Claim Name</u>	<u>Tenure</u>	<u>Units</u>
Coul 1	251344	20
Coul 2	251345	20
Coul 3	251346	20
Coul 4	251347	20
Irv	251355	5
Unuk 1	251358	20
Unuk 2	251359	20
Unuk 11	251360	20
Unuk 12	251361	20
Unuk 3	251362	20
Unuk 4	251363	20
Unuk 9	251364	20
Unuk 10	251365	20
Unuk 5	251366	20
Unuk 6	251367	8
Unuk 7	251368	20
Unuk 18	251369	20
Unuk 19	251370	20
Unuk 8	251371	20
Unuk 16	251372	20
Unuk 17	251373	20
Unuk 13	251374	20
Unuk 14	251375	20
Unuk 15	251376	20
Unuk 21	251378	20
Unuk 22	251379	20
Unuk 23	251380	20
Unuk 24	251381	12
Unuk 25	251382	12
Unuk 26	251965	16
Unuk 44	251966	4
Unuk 28	252005	4
Unuk 29	252006	5
Unuk 30	252007	8
Unuk 34	252008	3
Unuk 36	252009	8
Unuk 37	252010	4
Unuk 50	253293	8

1.5 Previous Exploration

Earliest documented exploration in the area now encompassed by

the Unuk-Coul claims was by Newmont Exploration in 1960 as part of a broad regional reconnaissance mapping program. Several zones were identified as follows: Unuk Zone 1 (Jack Glacier), Unuk Zone 2 (Bruce Glacier) and Unuk Zone 4 (McTagg Creek) and Gingrass Creek.

In 1986 the Coul 1-4, and Unuk 1-25 claims were staked followed by the Unuk 26-50 claims in 1987. An airborne Mag/VLF survey was flown over the property in 1986.

Both 1987 and 1988 saw reconnaissance programs to relocate and resample existing showings and outline additional localities for potential Sulphurets type mineralization, and later, in 1989 and 1990, for potential Eskay Creek stratigraphy. Six areas were identified: Zone 1 (AP), Zone 2 (U2), R grid, J grid, Bedee Zone, and Zone 4 (McTagg Creek).

In 1989 Granges Inc. entered into an option agreement with Springer Resources Ltd. and Cove Resources Corporation, and a permanent camp was established on the west bank of the Unuk River immediately above the confluence of Coulter Creek. From 1989 to 1991 Granges conducted a series of reconnaissance and grid geological, geochemical, geophysical and diamond drill surveys.

1.6 Objectives

The objective of the 1994 exploration program was twofold. Firstly, to test the northern half of Coul 1 for Eskay type gold silver mineralization. Mineralization at Eskay Creek is of volcanogenic massive sulphide type, occurring within mudstone at the contact of a major rhyolite unit with pillowed basalt. Secondly, to test the peripheral extension of the Coul 4 Jeff grid for extension of or additional shear hosted gold and silver. Mineralization at Sulphurets-West Zone is transitional-epithermal hosted in a lower andesite volcanic sequence.

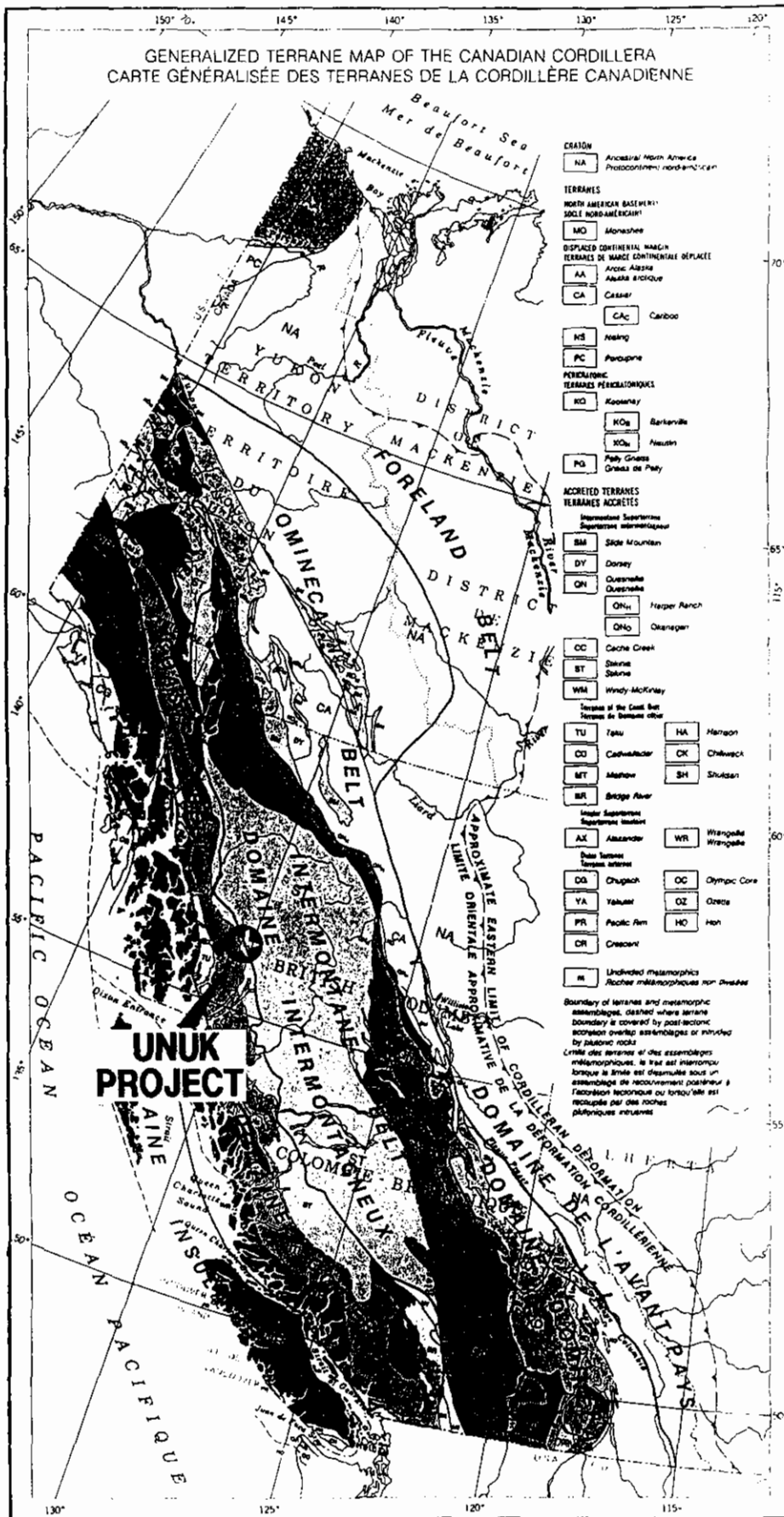
2.0 GEOLOGY

2.1 Regional Geology

2.1.1 Stratigraphy

The project area falls within the 'Iskut Triangle' of the Stikine Terrane of the Intermontane Belt (Figure 3).

Evaluation of the regional geology of the Unuk River area is an ongoing process. The first comprehensive map published was the B.C. Department of Mines 1935 'Unuk Area Geological Map'. This was followed later by Groves (1971, 1986) and most



**TECTONO-TERRANE
 MAP
 CANADIAN CORDILLERA**

UNUK PROJECT
 SKEENA MINING DIVISION, B.C.



Compiled by J.O. Wheeler, A.J. Brookfield, H. Gabrielse,
 J.W.H. Monger, H.W. Tipper and G.J. Woodsworth

Not to scale

FEBRUARY, 1995

FIGURE 3

recently by Aldrick (1989, 1992). Intensive exploration in the late 1980's early 1990's prompted the establishment of MDRU's area investigation of metallogeny which has resulted in further enhancement.

Review of documentation and associated maps over time readily indicates how interpretations have radically changed. In general, previous efforts suffered from a lack of fossil data. Where fossils were present the biostratigraphic significance of fossiliferous assemblages and, most importantly, the extensive thrust and reverse normal faults present were not recognized. Although formational nomenclature has not significantly changed, advanced bio- and geo-chronostratigraphic and tectono-terrane mapping techniques have led to an increasing degree of sophistication and accuracy, resulting in changed divisions, additions and reassignments of stratigraphic units.

The geology of the Unuk River area is comprised of upper Triassic through Jurassic lithologies that can be subdivided into three groups; upper Triassic Stuhini Group, lower-mid Jurassic Hazelton Group and the upper Jurassic Bowser Lake Group (Aldrick, 1992).

TRIASSIC

STUHINI GROUP

The scarcity of fossils and distinctive fossil assemblages coupled with the lack of persistent marker horizons has resulted in extreme difficulty in stratigraphic correlation. In a broad sense two facies can be assigned; a western facies comprised of a lower sedimentary sequence overlain by mafic to intermediate volcanic rocks and eastern facies consisting of interfingering sediments and intermediate volcanics.

TRIASSIC-JURASSIC

LOWER SEDIMENTARY SEQUENCE - INTRAFORMATIONAL SEQUENCE

Lower Jurassic rocks unconformably overlie folded Triassic lithologies and the base of the Hazelton group formations can be recognized in the prevalent though varied Jack formation. Ideally this sequence consists of a strongly discordant thin basal conglomerate containing clasts of underlying subjacent Stuhini siltstone mudstone beds or granitoid cobble to boulder conglomerate. Interbedded fossiliferous siltstone - sandstone horizons overlie the basal conglomerate and overlain in turn by carbonaceous mudstone.

LOWER-MIDDLE JURASSIC

HAZELTON GROUP

The Hazelton Group consists of the Unuk River, Betty Creek, Mount Dilworth and Salmon River Formations. Inconsistencies exist between recently evolved type sections at Eskay Creek and Treaty Creek both of the Unuk map sheet (under revision) due to gaps in coverage that link them with the original standard Stewart section of the Leduc mapsheet (not released) well to the south. The descriptive nomenclature modified after Lewis (1993) is used here.

INTERMEDIATE VOLCANIC SEQUENCE (Unuk River Formation)

Intermediate volcanic sequence lithologies are comprised of a primarily pyroclastic and lesser epiclastic and reworked volcanic sequence of andesitic tuff breccia, lapilli tuff, crystal tuff, partially welded tuff, magnetic flows and reworked tuffaceous sediments and is subaerial to waterlain. These rocks are regionally distinctive, dark green to maroon in coloration, they are monolithic feldspar hornblende phyrlic.

LOWER FELSIC VOLCANIC SEQUENCE (Betty Creek Formation)

This sequence can be divided into lower and upper members of epiclastic-sedimentary and volcanic composition respectively. The base of the sequence is characterized by an extensive cobble-boulder conglomerate comprised of intermediate volcanic sequence derived material and in places indistinguishable from it. Overlying it are hematitic volcanoclastic sediments. The volcanic member varies from andesitic to dacitic in composition and consists of fiamme, feldspar crystal tuff and heterolithic felsic tuff and in places topped by columnar jointed dacitic ash flow tuff. Green and maroon fluviatile siltstone argillite generally complete the sequence. This sequence is largely subaerial and units contained are highly variable and discontinuous.

UPPER FELSIC SEQUENCE (Mount Dilworth Formation)

Rhyolitic to rhyodacitic in composition the Mount Dilworth formation forms a relatively thin but distinctive and continuous marker horizon through the Unuk area, although significant lateral variations exist between proximal and distal facies. Eskay type proximal facies are evidenced by a thick series of flow banded carapace brecciated effusive flows. Medial facies at John peak area are characterized by alternating lahar emplaced volcanic tuff and tuff breccia with interspersing welded ash flow tuff. Distal facies in the Treaty Creek area consist of welded ash flow tuff and dust ash tuff with extensive perlitic and spherulitic development.

MAFIC VOLCANIC SEQUENCE (Salmon River Formation)

Basaltic flows of the mafic volcanic sequence overlie the upper felsic volcanic sequence. The basalt is subalkaline having transitional calcalkaline to tholeiitic compositions and is comagmatic with the underlying felsic rock. Flows are variably massive, pillowed, pillow breccia, and lesser hyaloclastite, interspersed by carbonaceous argillite, tuffaceous siltstone with pyritic laminae. Eastward basinward thinning coincides with a decrease in the flow sediment ratio and in the sediments becoming more calcareous with a fossiliferous horizon marking the basalt-rhyolite contact.

MIDDLE-UPPER JURASSIC

BOWSER LAKE GROUP Ashman Formation

The Bowser Group comprised solely of the Ashman Formation, is an onlap assemblage and conformably overlies the Hazelton Group and in places it is in gradational contact with the Salmon River. The group consists of a sedimentary package comprise of repetitive successions of sandstone-siltstone, argillite, chert-felsite pebble conglomerate.

2.1.2 Intrusive Rocks

Volcano-sedimentary strata in the Unuk area have been affected by six phases of intrusion. Plutons, sills, dikes, and dike swarms correspond to episodes in the late Triassic, early Jurassic, middle Jurassic, Tertiary-Eocene, Oligocene and Quaternary.

TRIASSIC

STIKINE PLUTONIC SUITE (220-230 MA)

The Stikine Plutonic suite consists of hornblende-biotite diorite, quartz diorite intrusives and is present in the Unuk area west of the Harrymel as the Bucke glacier stock and McQuillan ridge pluton.

EARLY JURASSIC

TEXAS CREEK PLUTONIC SUITE (185-205MA)

Quartz diorite, monzodiorite, quartz monzonite represent syn- to post-volcanic intrusions with Hazelton Group extrusive equivalents. Examples are John Peaks Eskay porphyry and Barb Lake Dike. The latter, combined with likely equivalent Mt. Shirley sills and smaller intrusive instances between, could represent a linear trend of remnant feeder systems to pillow

lava successions found in the area.

MIDDLE JURASSIC

THREE SISTERS PLUTONIC SUITE (172-177MA)

Gabbro, diorite, and outside of the Unuk area, syenitic phases comprise the Three Sisters Plutonic Suite. Instances present in the Unuk area are the Copper King and Nickel Mountain Gabbros.

TERTIARY (PALEOCENE-EOCENE)

COAST PLUTONIC COMPLEX (50-65MA)

The Coast Complex granitoid batholiths and stocks manifest as the Melville glacier and King Creek dike swarms of primarily feldspar porphyry dacite, the Lee Brant quartz monzonite stock and the Saddle Lake monzodiorite pluton.

OLIGOCENE

LATE DIKES (20-40MA)

Micro diorite andesite and lamprophyre occur as narrow dikes and dike swarms.

TERTIARY-QUATERNARY

STIKINE VOLCANIC SUITE (Recent-6MA)

The Stikine Volcanics consist of narrow basaltic dikes and are associated with a linear trend of regularly spaced volcanic centres at Volcano Creek, Cone Glacier and King Creek.

2.1.3 Structure

The most prominent structural element present in the Unuk area is the South Unuk-Harrymel Fault trending northwest and dipping northeast. Significant downdip displacement has resulted in the formation of a boundary between Triassic-lowermost Jurassic strata to the west and lower-mid Jurassic rock to the east. Numerous paralleling structures and arcuate splays define a dominant fabric in the area and are characteristic of strike slip fault complexes and likely relate to terrane accretion. Stratigraphic repetition and formational contacts suggest these were long-lived and periodically reactivated in a strike slip fashion during emplacement of the andesite and lower felsic sequences as part of a translational and then extensional regime during intra-arc, back arc development of the upper felsic and mafic sequences.

Subsequent compression of the Bowser Assemblage during the Skeena Fold Belt duration resulted in folding of these sediments over a decollement in which more brittle behaving rocks of the Hazelton group were subject to broader folding, reverse normal faulting and lesser thrust faulting to the east.

2.1.4 Metamorphism

Regional grade metamorphism is at most lower greenschist-prehnite pumpellyite facies characterized by saussuritization of plagioclase feldspars and chloritization of mafic minerals. Further to the west and outside of the project and Unuk River area the grade of metamorphism increases with proximity to the Coast Plutonic Belt.

2.1.5 Area Deposits

Numerous deposits occur within the Iskut Triangle, in the Stikine Arch. A number of deposit types are represented from porphyry style to meso-epithermal to volcanogenic massive sulphide type. To name a few: Silbak Premier, Big Missouri, SB, Summit Lake, Granduc, Stonehouse, Snip, Galore, Shaft Creek, E&L, West Zone, Doc, Snowfields, Kerr and Eskay Creek. The latter five fall within the Unuk River area.

Doc Property

The Doc's reserves are derived from the q17/q22 veins with 100,851 tons grading 0.258 oz/t gold. The deposit is comprised of shear hosted quartz veins with lesser calcite and clots of green-black chlorite. Mineralization consists of sporadic concentrations of sulphide with a complement of pyrite, galena, chalcopyrite, sphalerite and minor specularite as joint and fracture fillings. Veining strikes west-northwest and are steeply dipping, occupying narrow dilatant zones associated with brittle to semi-brittle shears. Host rock is Upper Triassic Stuhini metavolcanics. Wall rock alteration consists of narrow sericitic selvage with fine grained disseminated pyrite. The age of mineralization is interpreted as Tertiary, spatially related to felsic intrusives of the Coast Plutonic Complex.

West Zone

Newhawk's West Zone reserves are contained within the R-7 and related vein structures and are reported as 854,072 tons of 0.354 oz/t gold, 22.49 oz/t silver. Mineralization is located in structurally controlled quartz vein stockwork within a silicified, sericitic alteration zone flanked by chlorite calcite alteration. The zone strikes over 600 metres and has been drilled to 500m depth. Andesitic tuff and sediments of

the Lower Andesite host the deposit. Mineralization consists of pyrite, pyrargyrite, electrum, native gold, argentite, galena, sphalerite, chalcopyrite, tetrahedrite, proustite, freibergite and stephanite.

Kerr

Reserves stand at 386 million tons of 0.62% copper and 0.27 g/t gold. The deposit is interpreted as a deformed alkaline porphyry hosted by upper Triassic to lower Jurassic tuffaceous and sedimentary rocks. Copper-gold mineralization is contained within stockwork of veins and veinlets hosted predominantly by deformed tuff, fine grained plagioclase-hornblende monzonite and sediments. Alteration is variable cored by chlorite-magnetite or chlorite-pyrite and flanked successively by chlorite-sericite-pyrite and sericite-quartz-pyrite.

Snowfields Showing

Porphyry style gold occurs between Mitchell and Hanging Glaciers. Here host rocks include intermediate volcanic breccia and mafic tuff. Mineralization is associated with an alteration assemblage of sericite-chlorite-carbonate-pyrite-pyrophyllite. Limited drilling suggests an indicated reserve of 25 million tonnes at a gold grade of 2.74 gT gold-silver.

Eskay Creek

Two deposit types exist at Eskay Creek. One, the 21A deposit, is a high level near-surface epithermal deposit and the other, the 21B deposit, is a high grade polymetallic base metal, precious metal volcanogenic massive sulphide deposit. Preproduction reserves stood at 4.3 million tonnes of 28.8 gT gold, 1027 gT silver. The bulk of the reserves are contained in the 21B zone as stratiform sheets of graded and fragmental sulphide and sulphosalts dominated by sphalerite and tetrahedrite. Minalable reserves stand at 1.05 million tonnes of 65.5 gT gold, 2930 gT silver, 5.7% zinc, 0.77% copper, 2.89% lead. 21A stands with an estimated 0.97 million tonnes grading 9.6 gT gold, 127 gT silver in massive stratabound lens of stibnite, realgar, cinnabar and arsenopyrite. Host rock is argillite of the Salmon River Formation in contact with footwall rhyolite of sodium and calcium Mt. Dilworth affinity. Alteration is K-spar sericite and late silicification and is confined largely to the footwall. A zone of intense magnesium chlorite alteration occurs at the interface. Basalt of the hanging wall is relatively unaltered in appearance but exhibits apparent gains in potassium and magnesium with corresponding losses of sodium and calcium relative to elsewhere. Alteration overprints suggest deposition of 21B occurred prior to 21A although likely in rapid succession.

2.2 Property Geology

The Unuk property is underlain by lithologies of Triassic and Jurassic Age. Oldest, Stuhini group, rocks occur to the east of John Peaks-Storie Creek and youngest, Hazelton group, rocks to the west. Geology can be alternately separated into three structural panels designated the Prout, Eskay, McTagg. These anticline-anticlinoriums can be traced with reasonable approximation from the Bowser Onlap south past the Sulphurets Creek. The Prout panel can be defined as the area between Harrymel-Unuk fault and the Coulter Creek-Argillite Creek lineament. The Eskay panel is central inscribed by Coulter-Argillite Creek and the East Break fault. The McTagg anticlinorium is defined by the East Break Fault and the Sulphurets thrust fault to the west. All of these are north to northeast plunging and are structurally juxtaposed by reverse or thrust fault complexes through regional foreshortening of the Skeena fold regime.

2.2.1 Stratigraphy

MCTAGG PANEL

Stuhini Group

Rocks of the Stuhini group are exposed in the core of the McTagg anticlinorium. The most dominant rock type present is sedimentary comprised mainly of clastic, rhythmic turbidite successions. Massive to poorly sorted mudstone siltstone to the northeast of Jack glacier and on Ceparly ridge contain abundant Monotis (Van Damme, Vanwermeskerken, 1989), characteristic of the Norian (late upper Triassic) (Smith 1989, pers comm). Local minor limestone beds occur elsewhere with nondiagnostic fossils.

Lesser mafic flows and breccia contain characteristic prominent phenocrysts of clinopyroxene; although diagnostic, their stratigraphic position is nevertheless unclear.

Hazelton Group rocks occur on the west limb of McTagg anticlinorium west of the ridge that traces northeast from John Peaks to the headwaters of Storie Creek and are bounded to the southwest by the Eskay panel and Bowser Group sediments of the Unuk syncline to the northwest.

Lower Sedimentary Sequence:

Overlying Triassic turbidite at the base of the Hazelton group is a basal cobble-boulder conglomerate up to 20m in thickness composed of granodiorite and lesser volcanic and limestone clasts characteristic of the Lower Sedimentary sequence or Jack formation and is variably overlain by additional clastic sediments, chert and limestone. Provenance of the basal unit is unclear as the granodiorite clasts do not correspond to any documented area suite. This intraformational unit can be traced north from Gingras Creek to where it tapers out at Tarn Lake. North of Tarn Lake and at the toe of Jack glacier the unit resumes as a densely fossiliferous horizon that can be traced intermittently around the McTagg nose into the Treaty Creek section to the east.

Andesite Sequence:

Monolithic ash-crystal, lapilli and lesser block tuff, characteristically feldspar hornblende phyric, occur to the west of Johnathan Fault and east of the Unuk River. Intercalated massive argillite-siltstone are common.

Lower Felsic Sequence:

The lower felsic sequence occurs east of Johnathan Fault and consists of heterolithic lapilli to small block tuff. Components are angular massive felsic fragments, brown weathering fiammé, and lesser up to 10% lithic fragments. Overlying the tuff is either poorly bedded argillite or interbedded green and maroon cherty argillite and siltstone which display fluviatile bedding features.

Upper Felsic Sequence:

The upper felsic sequence is analogous to the 'Eskay Rhyolite' Facies present here; however, it is considered a medial or flank depositional environment. The dominant lithotype present is welded ash flow tuff similar in appearance to flow banded rhyolite but with less rhythmic, less regular laminae, and the additional presence of occasional entrained lapilli and orthogonal to flow gas venticles. These are occasionally 'fisheyed' due to the development of spherulite along laminae. Welded tuff horizons are interbedded with less common lenses of transported lapilli-block tuff which are monolithic comprised of massive and flow banded fragments.

Mafic Volcanic Sequence:

Limited massive and pillowed flows occur on the ridge above the upper felsic sequence interspersed by argillite and lesser calcilutite, locally fossiliferous. On the east bank of the

Unuk River, mafic sequence lithologies are structurally interfingered with andesite sequence lithologies.

Bowser Group

Argillite and siltstone of the Bowser group are indistinguishable from those of the Mafic Volcanic Sequence and in places the contact is gradational. Bowser sediments do occur in a 'tongue' formed by the Unuk syncline but its precise southern extent is unclear as characteristic chert, felsite pebble conglomerates are not observed south of Ketchum Creek.

ESKAY PANEL

The Eskay panel defines a very narrow block between Coulter Creek and the unnamed north-south drainage that flows into the Unuk at the centre point of the gap between claims Coul 3 and Coul 4. Little field documentation of this area is available. Rocks are limited to the upper two divisions of the Hazelton group and possibly Bowser group lithologies. This panel is comprised of likely Bowser group mudstone siltstone to the east along the Unuk River. Upper felsic sequence lapilli tuff are exposed on the east side of Coulter ridge surrounded by mudstone with or without derived felsic fragments and massive flows. Pillowed flows have been identified at the top of the knoll between the Unuk and Coulter Creeks. Mafic flows and sediments are both of the overlying mafic sequence. All lithologies are in turn intruded by late diabase dikes.

PROUT PANEL

Prout plateau rocks are comprised entirely of upper felsic sequence and mafic volcanic sequence lithologies defining the two uppermost divisions of the Hazelton Group. Upper felsic rocks consist of a limited range of facies essentially massive and laminated ash tuff. Felsic rocks occur central to the 'Prout Plateau'. Flanking the rhyolite are massive, pillowed and columnar jointed flows and shallow sills occasionally cut by feeder dikes, and lesser tuffaceous sediments and massive argillite all of the overlying mafic volcanic sequence.

2.2.2 Intrusives

Three significant intrusive phases are observed on the Unuk-Coul claims. These are, in decreasing order of age: the Hope plug intrusions, synvolcanic dikes and sills, and the John Peaks Pluton.

The Hope Plug is an oval shaped body several hundred metres across. It and other smaller associated bodies are aphanitic to fine grained felsic rocks with minor often vestigial

plagioclase phenocrysts. Although these intrusions cut stratigraphy their spatial distribution is consistently and preferentially located at or near the base of the lower felsic volcanic sequence and can be traced south to Sulphurets. These intrusions are hypabyssal and are analogous to the Eskay Creek subvolcanic intrusives that form prominent red bluffs through the Tok-Kay corridor.

Synvolcanic basaltic dikes and sills cut all lithologies of the Hazelton and Stuhini group at times forming dike swarms. These are likely feeders to the Mafic volcanic sequence which itself is crosscut.

The John Peaks Pluton is a medium grained hornblende phyric diorite. This singular occurrence exists at the southern property boundary as a lens between Triassic rocks to the east and Hazelton group rocks to the west. Emplacement was late producing a moderate contact aureole in surrounding fine clastic sedimentary rocks.

2.2.3 Structures

Primary Structures:

Primary features are best observed in sediments and volcanics at the higher elevations of the Unuk claims. Features observed are, bedding, cross bedding, normal grading, rip up clasts, load and penecontemporaneous structures in sediments, welding in felsic tuff and pillow tops in mafic flows. Over the bulk of the Unuk claims lithologies are primarily oriented north-northeast dipping moderately to steeply west to the toe of Bruce glacier where they begin to wrap around the nose of the McTagg anticlinorium and ultimately reverse in dip orientation to the east. In the western Coul claims bedding defines a north-northwest trend dipping moderately 30-60 degrees east. Stratigraphy strikes north-northeast with dips changing from west to east heading from west to east for both the Eskay and McTagg panels.

Secondary Structures:

The predominant structures present are northeast, 10-20 degree, vertical to steeply dipping normal faults. Offset and orientation of lithologies has in places structurally thickened portions of sections. Crosscutting structures are several; northwest to southeast approximately 135 degrees vertical to moderately northeast dipping, a possible conjugate at northeast, 50 degrees, dipping moderately 50-70 degrees southwest. These two crosscutting faults are responsible for sudden offsets of north trending lithologies. Finally, east-west vertical to north-dipping faulting exists.

The dominant terrane forming panel defining structures are high angle thrust or reverse normal faults. These generally trend N15W dipping up to 60 degrees. They are frequently coincident with and perhaps focused by sedimentary or sedimentary interspersing sequences. Reverse/thrust faulting is responsible for block rotation and formational juxtaposition providing the appearance of overturning and sectional reversals observed in the western Coul claims and to the south along the western flank of the McTagg anticlinorium.

The area has been broadly folded by the Cretaceous Skeena fold regime into three regional antiforms, with little synform preservation outside of the Bowser, in contact through additional compression via major reverse/thrust faults. Hazelton lithologies behave in a more brittle fashion than the more plastic Bowser assemblage and through decollement have deformed into broader regional folds. Intrafolial folding is common though poorly documented, but explains local apparent reversals in bedding.

Structural features observed are jointing, shear fabric, crenulation, lineations, slickensides and axial planar cleavage.

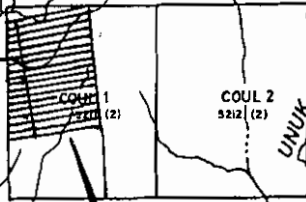
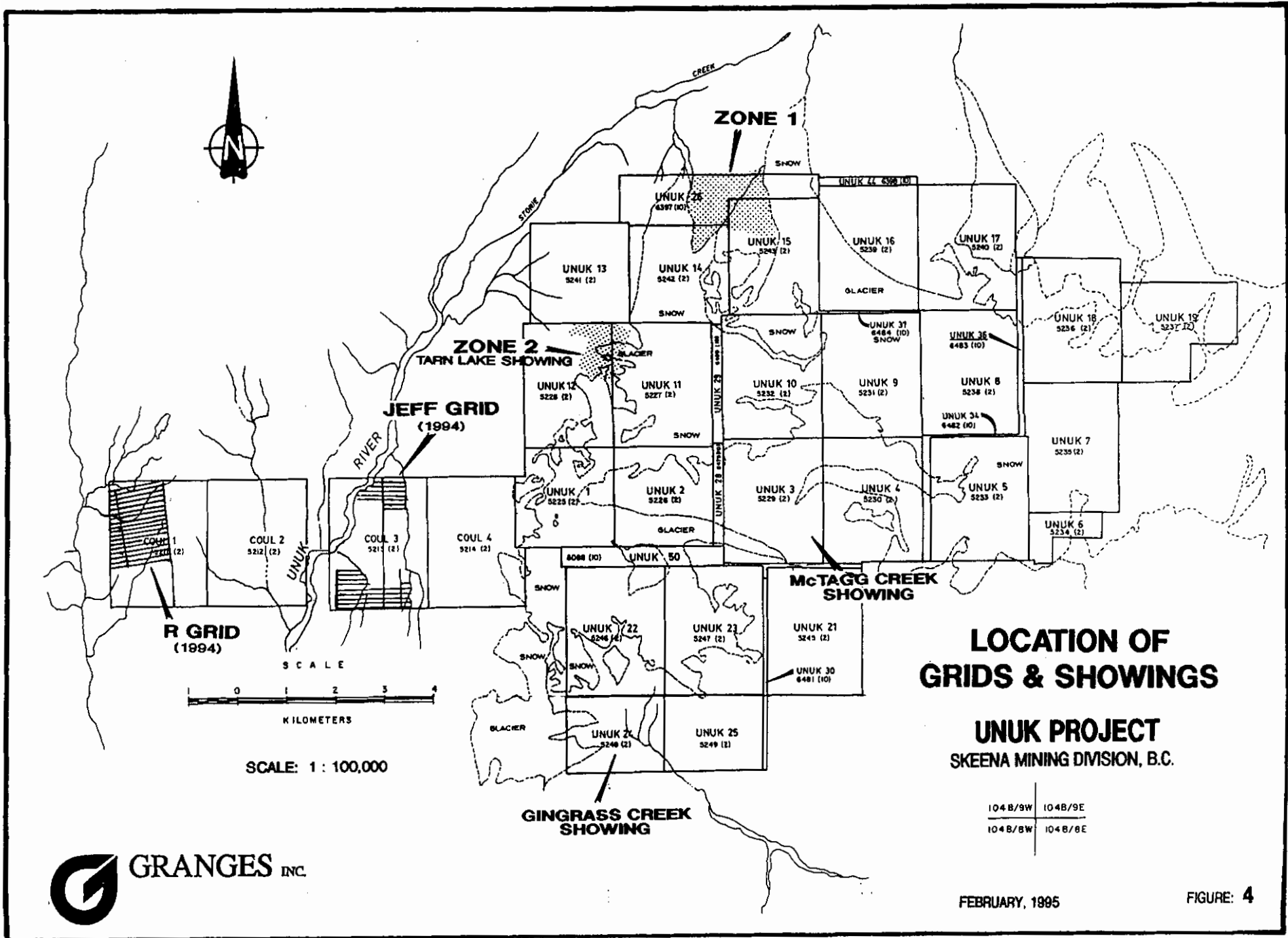
Property scale structural elements observed are the McTagg Anticlinorium with internal intrafolial folding, a reverse/thrust fault complex that runs at least through the western Coul claims, and two smaller antiforms that define the Prout and Eskay panels of the eastern Coul claims.

2.2.4 Metamorphism

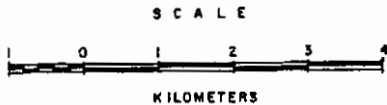
Metamorphism is sub to lower greenschist facies characterized by chloritization of mafic minerals and epidotization of feldspars in mafic-intermediate volcanics. Some hornfelsing exists around John Peaks.

2.2.5 Property Showings

Figure 4 shows the location of the grids and showings on the property. Jeff Grid (Coul 3) potential for mineralization was recognized through airborne geophysics and moderate stream sediment and soil anomalies collected through reconnaissance programs. A subsequent detailed program in 1991 led to drilling, on coincident geophysical and geochemical anomalies, of 30 diamond drill holes. The area is underlain by andesitic tuff, ande-basaltic massive and pillowed amygdaloidal flows. The best results obtained were in DDH-J91-7 with 34.04 gT gold over 4.0m. Mineralization occurred as anastomosing veins, masses and disseminations of pyrite, pyrrhotite with lesser



R GRID
(1994)



SCALE: 1 : 100,000



FEBRUARY, 1995

FIGURE: 4

sphalerite, galena and chalcopyrite in vesicular mafic volcanics containing quartz carbonate, veins and sericite alteration.

Coul 1 claim is underlain by upper felsic volcanic sequence lithologies that have been drilled in 1990-R-1, 1990-R-2 and 1990-R-3 and again in 1991 in R-91-1, R-91-2, R-91-3, R-91-4 and R-91-5. Mineralization is primarily fine disseminated and colloform pyrite associated with felsic mudstone contacts and possibly exhalative. Surface results returned values of up to 7.33 gT gold and 20 gT silver. Drill results were disappointing with best results reported as 1.77 gT gold.

Zone 1 is located between the Bruce and Jack glaciers on Unuk 14, Unuk 15 and Unuk 26 claims. Mineralization is hosted by tuffaceous mudstone and brecciated welded tuff characterized by galena, sphalerite, pyrite, arsenopyrite and chalcopyrite associated with shearing, brecciation, silicification, and clay-talc-sericite carbonate albite- alteration. Trench chip grabs have returned values as high as 56.5 gT gold, 32 gT silver over 0.5m. Best results returned in drilling were 7.908 gT gold, 148.6 gT silver, 0.65% zinc and 0.33% lead over 0.4m.

Zone 2 occurs on the Unuk 13, Unuk 12 and Unuk 11 claims, is centred around Tarn Lake, and encompasses both felsic and mafic lithologies and a number of showings. The Tarn Creek showing is a quartz stringer zone containing 5% pyrite, trace arsenopyrite, and sphalerite hosted in mafic to intermediate tuff, tuff breccia and tuffaceous argillite. Best surface results returned 12.8 gT over 1.0m. This structure was tested by drill hole T-91-1 was anomalous in silver but best gold returned was between 38.3 and 38.92 metres at 1240 ppb gold.

The McTagg Creek showing is a copper-gold showing hosted by shears in Triassic sedimentary rock. Documentation for this area is sparse.

3.0 EXPLORATION PROGRAM

3.1 Program Summary

The focus of the 1994 exploration program was two fold: to extend coverage of the Jeff grid to the north and south limits of Coul 3 and laterally from Jeff Fault to the Unuk flood plain, and to extend the R grid north to the property boundary and west to claim limits from the baseline. Jeff grid activity was designed to locate additional potential 900 and 750 zone mineralization. R grid (Coul 1) work was aimed at exploring the potential for the presence of Eskay type rhyolite to the north in extension of earlier R grid work.

The program on both grids consisted of line cutting, geological mapping, and soil and litho-geochemical sampling.

Work was conducted by a crew complement of four between August 18 and September 15 on the Coul 1 and Coul 3 claims, concurrently.

3.2 Program Parameters

Ground Control:

On the R grid a total of 18,445 metres of line were cut. All lines are at 100m spacing and 25m stations and were horizontally corrected for topography. A tie line, TL 8+00W was turned off 12+00N at 8+00W. Major drainages were used as additional control points. In extension of the existing grid lines, 5N to 20N were defined running from 0+00 to about 10+00W.

The Jeff grid baseline was expanded north from 21+00N to 24+00N and south from 4+00N to 1+00S at 100m line spacing with 25m picketed stations. Existing grid lines were extended in the north and south grid portions. A tie line, TL 6+50W, was run from line 0+00 at 6+50W. An existing tie line, TL3+50E, was used for additional controlling the south grid. A total of 10,025 metres of slope corrected line were cut.

Geological Mapping:

Both the R and the Jeff grids were mapped at 1:2000 as shown on Figures 6, 7a and 7b.

Geochemical Work:

A total of 1102 soil and 10 silt samples were collected. On the R grid 647 soil and 5 silt samples were collected. On the Jeff grid 455 soil and 5 silt samples were collected, (Figures 5, 6a and 6b).

Prospecting:

In total, 244 rock samples were collected (167 on the R grid and 77 on the Jeff grid). All samples were submitted for 31 element ICP, gold-silver assay finish and whole rock analysis. Of these, 20 were selected for Rare Earth analysis, 18 from R grid and 2 from the Jeff grid.

3.3 Geology

3.3.1 R Grid Geology

3.3.1.1 Stratigraphy

The R grid (Figure 5) is underlain by lithologies of the upper felsic volcanic sequence (map unit 3) and the mafic volcanic sequence (map unit 4). Upper felsic rocks occur central to the grid, trend north-northwest and are lateral offset at line 14+00N to the west. These are characteristically massive brecciated and strongly silicified. Fragments are jigsawed reflective of in situ brecciation and are white to pale grey in a medium dark grey matrix. The breccia occasionally displays a eutaxitic texture of fine mm-scale perfectly spaced laminae, possibly flowbanding, bedded tuff, or silicification of jointing. In the south grid rhyolite is massive and brecciated but in addition lapilli tuff in a dark argillaceous matrix are also noted. Stratigraphic contacts are rare but argillite is likely the most common contact unit. Flanking the rhyolite are mafic volcanic massive flows, pillowed flows, debris flows, lesser tuff, and minor poorly sorted argillite/siltstone. To the east along the ridge that roughly follows the baseline is a greater incidence of pillowed flows; these are blocky with poorly developed selvages and cusps. At the north and south ends of the baseline are classic columnar flows or sills lying vertical and inclined slightly to the north and west. Massive flows dominate to the west side of the grid.

3.3.1.2 Structure

Principal structures are north-northwest steeply east dipping, north-northeast moderate west dipping and east-west moderate to steeply south dipping regional faults. These are cut and offset to a limited extent by conjugate northeast and southeast trending cross faults. Rocks behave brittly with few shear zones and apparent jointing is the most common manifestation of structures. Bedding determinations are few and inconsistent. Gross lithological relationships suggest an anticline is transected by the grid along and to the east of the 8+00 W tie line.

3.3.1.3 Alteration/Mineralization

No significant mineralization or zones of alteration were observed. Rhyolite is consistently silicified obscuring whatever primary features may have been present. Mafic lithologies are generally weakly carbonate altered. Along major structures minor quartz veining and/or phyllic alteration is noted. Mineralization is sparse comprised of up to 1% disseminated pyrite and trace pyrrhotite. Some mafic flows carry magnetite.

3.3.2 Jeff Grid Geology

3.3.2.1 Stratigraphy

The Jeff grid (Figures 6a, 6b) is underlain by lithologies that correspond to the lower andesite sequence and mafic volcanic sequence and to the west along the Unuk River, possible Bowser group sediments. The lower andesite manifests as essentially ash tuff and lesser lapilli tuff with a mafic and feldspar crystal component. These are intercalated with argillite and immature siltstone-sandstone. Mafic sequence pillowed flows and argillite rarely outcrop and are only observed north and east end of the grid towards Jeff/Johnathan faults. Middle Hazelton group upper and lower felsic volcanic lithologies are notably absent. The presence of Bowser group sediments to the west along the Unuk River is unclear as they lack the identifiable chert-felsite conglomerate unit that distinguishes the Bowser from the underlying upper sedimentary member of the mafic volcanic sequence.

3.3.2.2 Structure

Structural elements present are the same as those observed on the R grid: north-northwest, north-northeast, east-west regional faults and northeast, southeast conjugate faults. An added structural component is the presence of north-northwest trending shallow east dipping thrust faults and north-northeast reverse normal faults. Rocks on the grid are invariably sheared with proto-mylonitic and mylonitic fabrics developed. Thrust and reverse faulting has effectively imbricated upper and lower Hazelton group lithologies.

3.3.2.3 Alteration/Mineralization

All rocks on the Jeff grid have been sheared and display variable phyllic alteration. This causes difficulty in discerning between upper mafic and lower mafic and derived clastic lithologies. Lower andesite often appears porphyroblastic due to chloritization of mafic minerals. Locally rocks are sericitized and carbonate altered. No significant mineralization was observed outside of previously identified zones and was limited to trace to 1% disseminated pyrite and pyrrhotite locally concentrated parallel to fabric.

3.4 Geochemistry

3.4.1 Soil Geochemistry

The Unuk property was previously glaciated. Icefield and glaciers with lateral and recessional moraines exist at higher elevations on the eastern half of the property and U-shaped east-west valleys and hanging glaciers are present to the west

of the property. Below treeline at lower elevations, few glacial or post glacial features remain and till deposits are poorly represented, if present at all in the survey areas addressed. Soils that have developed are essentially *in situ*, shallow and fair to well profiled. Talus cover is limited and occurs in close proximity of scarp faces. Colluvial processes manifest as slumping and scars are evident at subalpine elevations but are not extensive or broadly displacive. Fluvial deposits are limited to the immediate flood plain of the Unuk River and the braided alluvium of Coulter Creek. Soils taken are considered to effectively reflect the content of underlying rock.

B horizon samples were collected, dried, and shipped in undyed craft paper envelopes to Chemex Labs of North Vancouver B.C. Samples were dried then sieved to -80 mesh, and ring pulverised to -150 mesh. A 30g split was then analyzed by 32 element ICP and a 10g split was analyzed for gold by AA with a FA finish. Grid locations on the R and Jeff grids are shown on Figures 5, 6a and 6b. Sample coordinates, preparation, analytical procedures and certificates of analysis are given in Appendix A.

The precious, semi- and base metals, gold-silver, arsenic-antimony, and lead-zinc pairs have been plotted for the Jeff and R grids as these are considered useful pathfinder elements for targeting both an Eskay or Sulphurets type deposit (Figures 7, 9, 9, 10a, 10b, 11a, 11b, 12a and 12b). Contours have been arbitrarily established.

3.4.2 Litho-Geochemistry

Sample numbers and locations for the R and Jeff grids are indicated on Figures 6, 7a, 7b. The analysis for metals data was carried out by ICP techniques. The multi-element Whole Rock data was collected by XRF analysis of pressed pellet samples from the ICP rejects. A description of analytical procedures and certificates of analysis are given in Appendix A.

On the R grid potassium addition has been noted in rhyolites and argillites in the central portion of the grid coincident with silver and gold soil anomalies. These anomalies may represent adularization.

On the Jeff grid all samples were of mafic lithologies, argillites and two possible gabbro samples. No large zones of potassium addition were indicated. No significant alteration has been recorded.

4.0 DISCUSSION

The R grid is underlain by lithologies of upper felsic and mafic volcanic sequence affinity. Rhyolite rocks are primarily massive in situ breccia, that appear strongly silicified and potassic altered to an unknown extent as evidenced by rare faint ghost feldspars. These breccia are white, featureless, angular fragments supported in a darker grey matrix. Lesser rhyolite facies are massive to bedded ash tuff and lapilli tuff, possibly epiclastic, in a punky dark grey to black graphitic argillaceous matrix. Flanking the rhyolite on either side are relatively unaltered, primarily mafic massive flows, lesser pillowed flow columnar jointed sills and massive argillite-siltstone. Regional through-going structures and local conjugate cross faults are observed. Lithologies have been folded into a shallow north plunging anticline. No significant mineralization was observed, generally minor 1-2% disseminated pyrite. The best results obtained were from sample 394122 at 6+05N 5+10W which returned 235 ppb gold, 9.5 ppm silver, 496 ppm arsenic. The sample taken was of a silicified, possibly hornfelsed argillite with hairline quartz veining in contact with rhyolite breccia. No sulphides were noted. Soil geochemistry effectively traces the rhyolite unit over the grid entirety and reflects the mid-grid structural offset. Silver contours flank the rhyolite and contain local gold anomalies. Zinc and arsenic contours plot central to the exposed rhyolite.

Mapping of the Jeff grid extensions indicates that the grid area is underlain by lithologies of the Lower Andesite sequence structurally imbricated with lesser incidence mafic volcanic sequence lithologies. These are comprised of andesitic ash-crystal tuff, pillowed amygdaloidal flows and argillite-siltstone. All rocks are variably sheared and phyllitized. No rocks of the upper or lower felsic volcanic sequences were observed. No significant sulphide mineralization was noted. The best results came from sample 394002 taken at 21+90N 2+00W which returned 3340 ppb gold, >10,000 ppm arsenic, 6.1 ppm silver. This sample was in quartz breccia with 3-4% pyrite with chlorite stringers and graphitic shears in mylonitized argillite. Sample 294075 at 14+90N 3+75W was taken in strongly sheared and crenulated sulphidized and sericitized phyllite with lenticulate quartz veining and returned 340 ppb gold, 34.8 ppm silver, 216 ppm arsenic. Soil geochemistry from additional and add-on grid coverage provided only isolated point highs and did not result in further significant contourable anomalies outside the central northeast-southwest trend previously documented.

5.0 CONCLUSIONS

The Unuk property is underlain by rocks of the late Triassic Stuhini group and lower-mid Jurassic Hazelton group. Major structures are north-northeast normal and north-northwest reverse faults offset by east-west faults. Rocks were folded and thrust faulted during the Skeena fold belt regime into three juxtaposed antiforms; the Prout, Eskay, and McTagg. Jurassic intrusions are limited to the John Peaks diorite and Upper felsic volcanic equivalent subvolcanic intrusions. Metamorphism is sub greenschist. Soil geochemistry over gridded areas is not effected by any significant masking or displacing effects. A high degree of correlation exists between gold, silver, arsenic and zinc in soils and gold, silver and arsenic in rocks. Potential styles of mineralization on the property are porphyry, shear-vein and volcanic massive sulphide type.

There are six known areas of mineralization: Zone 1, Zone 2, Gingrass Creek, McTagg creek, Jeff grid and the R grid. The latter two were focused on during the 1994 field season.

The R grid is the only area on the property, outside of the abbreviated Eskay panel, which has potential for syngenetic volcanogenic mineralization displaying more proximal and altered felsic facies, of the upper felsic volcanic sequence.

Jeff grid gold and silver mineralization is shear vein type hosted in lower andesite and upper mafic volcanic sequence lithologies. Timing of mineralization is unclear as to whether sulphides emplaced are of Jurassic or Tertiary age.

6.0 STATEMENT OF EXPENDITURES

Linecutting	\$33,348.20
(Twin Mountain Enterprises Ltd.)	
Geological Survey	34,946.25
Geochemical Survey	8,432.31
Geochemical Analysis	27,969.13
(Chemex Labs Ltd.)	
Unuk River Field Camp Costs	14,185.49
Transportation, Communications	51,874.51
(Northern Mountain Helicopters Inc.)	
Data Processing, Drafting	6,981.05
Report Preparation	5,987.08
Management Expense (10%)	<u>18,372.40</u>
Total ...	<u>\$202,096.42</u>

7.0 STATEMENTS OF QUALIFICATION

I, Val Peter Van Damme, of 2045 Holdom Avenue, Burnaby, British Columbia DO HEREBY CERTIFY THAT:

I am a graduate of Lakehead University in Thunder Bay, Ontario, with an H.B.Sc. Geology, 1988.

I am an employee of Granges Inc. with offices at 2230-885 West Georgia, Vancouver, British Columbia.

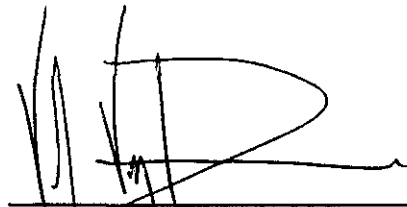
I have practised my profession continuously since 1988

The information contained in this report was obtained through execution of the program described herein, from a review of data listed in the bibliography and personal knowledge of the area.

I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public document.

I have no interest direct or otherwise in the securities of Granges Inc.

DATED at Vancouver, British Columbia, this
3rd day of April, 1995.

A handwritten signature in black ink, appearing to read 'Val Peter Van Damme', written over a horizontal line.

Val Peter Van Damme, Geologist

I, Warren Bates, of 25, 795 Noons Creek Drive, Port Moody, in the province of British Columbia DO HEREBY CERTIFY THAT:

I am a graduate of University of Manitoba with two science degrees:

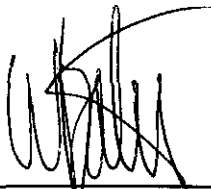
- 1980 B.Sc. (Hons) specializing in Physical Chemistry
- 1985 B.Sc. (Hons) specializing in Geology.

I am an employee of Granges Inc. with offices at 2230-885 West Georgia, Vancouver, British Columbia.

I have practised my profession as a geologist in mineral exploration for 10 years.

The information contained in this report was obtained through execution of the program described herein, from a review of the data listed in the bibliography and from personal knowledge of the area.

DATED at Vancouver, British Columbia, this
3rd day of April, 1995.



Warren Bates
Manager, Special Projects

8.0 BIBLIOGRAPHY

- Adamec, J.D. (1988): Geological Report on the Unuk Claim Group, Sulphurets Creek Area, B.C.; for Hi-Tec Resource Management Ltd.
- Alldrick, D.J., Britton, J.M., Webster, I.C.L. and Russel, C.W.P. (1989): Geology and Mineral Deposits of the Unuk Area (104B/7E, 8W, 9W, 10E); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1989-10.
- Alldrick, D.J. (1989): Volcanic Centres in the Stewart Complex (103P and 104A,B); in British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1988, Paper 1989-1.
- Alldrick, D.J., Britton, J.M. (1992): Unuk Area Geology (104B/7E, 8W, 9W, 10E); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1992-22.
- Anderson, R.G. and Thorkelson, D.J. (1990): Mesozoic Stratigraphy and Setting for some Mineral Deposits in the Iskut River Map Area, Northwestern British Columbia; in Current Research, Part E, Geological Survey of Canada, Paper 90-1F, p. 131-139, 1990.
- Barrett, T.J. and MacLean, W.H. (1994): Hydrothermal Alteration in VHMS Deposits; in Alteration and Alteration Processes Associated with Ore-Forming Systems, D.R.Lentz (ed.). Geological Association of Canada. Short Course Notes Volume II.
- Britton, J.M., Fletcher, B.A. and Alldrick, D.J. (1990): Snippaker Map Area (104B/6E, 7W, 10W, 11E); in British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1989, Paper 1990-1.
- Britton, J.M., Blackwell, J.D. and Schroeter, T.G. (1990): #21 Zone Deposits, Eskay Creek, Northwestern British Columbia; in B.C. Ministry of Energy, Mines and Petroleum Resources, Exploration in British Columbia, 1989.
- Britton, J.M., Webster, I.C.L. and Alldrick, D.J. (1989): Unuk Map Area; in British Columbia Ministry of Energy Mines and Petroleum Resources, Geological Fieldwork, 1988, Paper 1989-1.
- Britton, J.M. and Alldrick, D.J. (1988): Sulphurettes Map Area (104B/08E, 09E); in British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1987, Paper 1988-1.

- Gaboury, B.E. (1990): 1990 Summary Report on the Unuk River Project, Unuk, Coul, Icey, Knip, Bou and Irv Claim Groups, Skeena Mining Division, NTS 104B/9, 104B/10; for Granges Inc.
- Gaboury, B.E. (1990): Geological, Geochemical, Geophysical and Diamond Drilling Report on the Unuk, Coul, Icey, Bou, Knip, and Irv Claim Groups, Unuk River Area, Skeena Mining Division, NTS 104B/9, 104B/10; for Granges Inc.
- Grove, E.W. (1986): Geology and Mineral Deposits of the Unuk River Salmon River-Anyox Area; B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 63.
- Lewis, P.D. et al (1993): Lower and Middle Jurassic Stratigraphy in the Treaty Glacier Area and Geological Setting of the Treaty Glacier Alteration System, Northwestern British Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 93-1A, p. 75-86.
- Macdonald, A.J., Lewis, P.D. et al (1993): Metallogenesis of the Iskut River Area, Northwestern B.C., Annual Technical Report-Year 3; Mineral Deposits Research Unit, Department of Geological Sciences, University of British Columbia.
- Macdonald, A.J., Lewis, P.D. et al (1992): Metallogenesis of the Iskut River Area, Northwestern B.C., Annual Technical Report-Year 2; Mineral Deposits Research Unit, Department of Geological Sciences, University of British Columbia.
- Macdonald, A.J., Lewis, P.D. et al (1991): Metallogenesis of the Iskut River Area, Northwestern B.C., Annual Technical Report-Year 1; Mineral Deposits Research Unit, Department of Geological Sciences, University of British Columbia.
- Mandy, J.T. (1935): Unuk River Area, North-Western Mineral Survey District (No 1); in Annual Report of the Minister of Mines of the Province of British Columbia for the year ended 31st December, 1935.
- O'Donnell, A.J. (1992): Geology and Diamond Drilling Report on the Unuk River Project, Unuk and Coul Claim Groups, Skeena Mining Division, NTS 104B/9, 104B/10; for Granges Inc.
- Sherlock, R.L., Barrett, T.J. et al (1994): Geological Investigations of the 21B Deposit, Eskay Creek, Northwestern British Columbia 104B/9W; in British Columbia Ministry of Energy Mines and Petroleum Resources, Geological Fieldwork, 1993, Paper 1994-1.

- Van Damme, V.P. (1994): Geological Report, Corey Property, Corey 1-45, Dee 1-6, Dwayne 1, Carl J, Jo Jo, Tine 1, Ginger 1,2, Candy 1, DEL 1,2, Cumberland, Silver Pine, Middlesex, Ziphis, Ougma, Sul 1,2, Unuk 20, Sul 1,2; for Kenrich Mining Corp. and Ambergate Explorations Inc.
- Van Damme, V.P. (1991): Geological Report, GNC Property, GNC 1-4 Claims; for Canarc Resources and Prime Exploration.
- Van Damme, V.P. (1990): Rhyolite Stratigraphy and Transtensional Basin Structural Controls at Eskay Creek; for Stikine/Calpine Resources.

APPENDIX A.
CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

A9425913

Comments:

CERTIFICATE

A9425913

(BSJ) - GRANGES INC.

Project: #134-R GRID - Soils
P.O.#:

samples submitted to our lab in Vancouver, BC.
This report was printed on 27-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	157	Dry, sieve to -80 mesh
229	157	ICP - Aq Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	157	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	157	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	157	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	157	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	157	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	157	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	157	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	157	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	157	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	157	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	157	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	157	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	157	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	157	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	157	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	157	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	157	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	157	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	157	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	157	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	157	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	157	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	157	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	157	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	157	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	157	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	157	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	157	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	157	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	157	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	157	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	157	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	157	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1-A
 Total Pages : 4
 Certificate Date: 27-SEP-94
 Invoice No. : I9425913
 P.O. Number :
 Account : BJSJ

Project : #134-R - *GRID SOILS*
 Comments:

CERTIFICATE OF ANALYSIS A9425913

SAMPLE	PREP		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
	CODE		FA+AA																			
9+00N 00+00W	201	229	< 5	1.8	1.90	< 2	130	< 0.5	< 2	0.14	< 0.5	4	19	17	6.26	< 10	< 1	0.04	< 10	0.18	225	
9+00N 00+25W	201	229	< 5	0.4	2.74	14	30	< 0.5	< 2	0.04	< 0.5	2	35	13	7.03	10	< 1	0.08	10	0.28	315	
9+00N 00+50W	201	229	< 5	< 0.2	4.42	4	40	< 0.5	< 2	0.28	< 0.5	6	36	12	6.72	< 10	1	0.04	< 10	0.55	175	
9+00N 00+75W	201	229	< 5	< 0.2	3.07	6	70	< 0.5	< 2	0.11	< 0.5	3	49	9	5.26	< 10	< 1	0.07	< 10	0.27	125	
9+00N 01+00W	201	229	< 5	< 0.2	4.17	30	70	< 0.5	< 2	0.03	0.5	3	70	19	7.69	< 10	1	0.10	< 10	0.57	260	
9+00N 01+25W	201	229	< 5	0.6	4.16	14	40	0.5	< 2	0.19	< 0.5	10	42	23	6.48	< 10	1	0.09	< 10	0.49	680	
9+00N 01+50W	201	229	< 5	0.4	3.40	16	80	< 0.5	< 2	0.11	< 0.5	6	60	26	7.09	< 10	1	0.07	< 10	0.63	310	
9+00N 01+75W	201	229	< 5	0.6	3.01	8	40	< 0.5	< 2	0.04	< 0.5	2	50	13	5.62	10	< 1	0.07	10	0.28	150	
9+00N 02+00W	201	229	< 5	< 0.2	2.08	< 2	70	< 0.5	< 2	0.16	< 0.5	3	31	10	5.30	< 10	< 1	0.05	< 10	0.26	115	
9+00N 02+50W	201	229	< 5	< 0.2	2.96	14	90	1.0	< 2	0.15	< 0.5	16	43	17	5.19	< 10	< 1	0.13	< 10	0.48	715	
9+00N 02+75W	201	229	< 5	0.4	4.17	< 2	60	< 0.5	< 2	0.31	< 0.5	23	35	40	6.89	10	< 1	0.10	30	0.63	1410	
9+00N 03+00W	201	229	< 5	0.4	2.87	6	40	< 0.5	< 2	0.24	< 0.5	2	30	35	8.49	60	1	0.06	30	0.11	385	
9+00N 03+25W	201	229	< 5	< 0.2	2.00	4	330	< 0.5	< 2	0.47	< 0.5	38	28	35	5.27	10	< 1	0.12	10	0.38	10000	
9+00N 03+50W	201	229	< 5	0.2	2.77	12	50	< 0.5	< 2	0.27	< 0.5	8	47	14	6.01	< 10	< 1	0.07	< 10	0.63	320	
9+00N 03+75W	201	229	< 5	1.2	3.30	22	30	< 0.5	< 2	0.12	< 0.5	1	18	10	7.39	< 10	1	0.08	< 10	0.13	315	
9+00N 04+00W	201	229	< 5	0.6	3.22	18	40	< 0.5	< 2	0.02	< 0.5	3	48	22	9.68	10	1	0.06	< 10	0.18	230	
9+00N 04+50W	201	229	< 5	0.2	1.30	12	180	< 0.5	< 2	0.15	< 0.5	3	10	8	4.37	< 10	< 1	0.11	< 10	0.22	650	
9+00N 04+75W	201	229	< 5	4.0	1.92	32	60	< 0.5	< 2	0.09	< 0.5	6	45	20	6.03	< 10	< 1	0.13	< 10	0.34	1255	
9+00N 05+00W	201	229	< 5	1.2	3.00	36	230	0.5	< 2	0.17	0.5	23	83	40	4.93	< 10	< 1	0.19	< 10	1.01	1205	
9+00N 05+25W	201	229	< 5	1.2	2.36	142	170	1.0	< 2	0.42	0.5	15	21	44	5.07	< 10	1	0.15	< 10	0.29	925	
9+00N 05+50W	201	229	< 5	2.4	6.82	32	130	3.0	< 2	0.69	0.5	25	45	32	4.96	< 10	1	0.05	10	0.31	2280	
9+00N 05+75W	201	229	< 5	< 0.2	2.26	16	20	< 0.5	< 2	0.06	< 0.5	2	32	7	5.11	< 10	< 1	0.04	10	0.18	135	
9+00N 06+00W	201	229	< 5	< 0.2	2.58	92	90	< 0.5	< 2	0.04	< 0.5	6	18	12	5.36	< 10	< 1	0.10	< 10	0.16	500	
9+00N 06+25W	201	229	< 5	< 0.2	3.05	24	320	0.5	< 2	0.25	< 0.5	17	83	41	4.36	< 10	1	0.18	< 10	1.33	665	
9+00N 06+50W	201	229	< 5	0.8	2.06	22	110	< 0.5	< 2	0.38	< 0.5	1	22	6	8.97	10	1	0.06	< 10	0.12	250	
9+00N 06+75W	201	229	< 5	0.6	4.26	126	50	0.5	< 2	0.12	< 0.5	15	32	14	7.51	< 10	1	0.07	10	0.25	1280	
9+00N 07+00W	201	229	< 5	< 0.2	1.24	4	70	< 0.5	< 2	1.23	< 0.5	4	17	7	4.68	< 10	< 1	0.05	< 10	0.32	180	
9+00N 07+25W	201	229	< 5	1.2	6.36	12	170	3.5	< 2	1.32	< 0.5	13	28	22	3.15	< 10	2	0.04	10	0.50	1970	
9+00N 07+50W	201	229	< 5	< 0.2	3.52	10	190	1.0	< 2	1.12	< 0.5	10	23	9	5.88	< 10	< 1	0.06	10	0.67	345	
9+00N 07+75W	201	229	< 5	1.2	4.03	14	60	< 0.5	< 2	0.26	< 0.5	7	27	13	7.34	< 10	1	0.04	< 10	0.60	225	
9+00N 08+00W	201	229	< 5	0.8	2.72	8	50	< 0.5	< 2	0.09	< 0.5	4	29	15	7.73	< 10	< 1	0.07	< 10	0.43	330	
9+00N 08+25W	201	229	< 5	0.4	3.24	12	80	< 0.5	< 2	0.27	< 0.5	6	34	11	6.69	< 10	< 1	0.05	< 10	0.43	260	
9+00N 08+50W	201	229	< 5	0.2	2.80	14	60	< 0.5	< 2	0.09	< 0.5	6	54	14	6.58	< 10	< 1	0.08	< 10	0.42	195	
9+00N 08+75W	201	229	< 5	< 0.2	1.73	20	40	< 0.5	< 2	0.11	< 0.5	7	37	13	5.07	< 10	< 1	0.04	< 10	0.18	170	
9+00N 09+00W	201	229	< 5	1.2	3.63	8	40	< 0.5	< 2	0.21	< 0.5	6	27	9	7.86	< 10	1	0.03	< 10	0.43	230	
9+00N 10+00W	201	229	< 5	< 0.2	3.70	26	70	< 0.5	< 2	0.03	< 0.5	4	97	17	7.76	< 10	< 1	0.06	< 10	0.61	215	
9+00N 10+25W	201	229	< 5	< 0.2	5.74	30	170	< 0.5	< 2	0.03	< 0.5	8	91	35	6.52	< 10	< 1	0.07	< 10	0.63	225	
9+00N 10+50W	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
10+00N 00+50W	201	229	< 5	2.4	2.56	22	200	0.5	< 2	0.14	< 0.5	12	25	58	5.61	< 10	< 1	0.12	< 10	0.21	1350	
10+00N 00+75W	201	229	< 5	0.4	3.39	14	60	< 0.5	< 2	0.15	< 0.5	3	27	10	6.61	< 10	1	0.03	< 10	0.28	175	

CERTIFICATION: *Hunter Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-R
 Comments:

Page Number :1-B
 Total Pages :4
 Certificate Date: 27-SEP-94
 Invoice No. :19425913
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9425913

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9+00N 00+00W	201 229	1	0.02	7	920	4	< 2	2	21	0.29	< 10	< 10	144	< 10	44
9+00N 00+25W	201 229	8	0.02	14	710	4	< 2	3	7	0.19	< 10	< 10	58	< 10	68
9+00N 00+50W	201 229	2	0.04	10	730	6	< 2	5	22	0.61	< 10	< 10	131	< 10	50
9+00N 00+75W	201 229	2	0.01	9	430	8	< 2	4	15	0.31	< 10	< 10	153	< 10	36
9+00N 01+00W	201 229	3	< 0.01	31	580	6	< 2	5	8	0.10	< 10	< 10	80	< 10	70
9+00N 01+25W	201 229	4	0.05	12	940	12	< 2	8	17	0.41	< 10	< 10	129	< 10	76
9+00N 01+50W	201 229	1	0.01	26	790	8	< 2	5	16	0.26	< 10	< 10	160	< 10	80
9+00N 01+75W	201 229	4	0.01	8	440	16	< 2	6	7	0.37	< 10	< 10	126	< 10	52
9+00N 02+00W	201 229	1	0.02	8	460	6	< 2	3	20	0.34	< 10	< 10	118	< 10	42
9+00N 02+50W	201 229	3	0.03	19	780	8	< 2	5	16	0.15	< 10	< 10	89	< 10	78
9+00N 02+75W	201 229	< 1	0.06	10	1240	18	8	9	27	0.51	< 10	< 10	163	< 10	94
9+00N 03+00W	201 229	2	0.03	4	700	28	8	6	15	0.26	< 10	< 10	71	< 10	64
9+00N 03+25W	201 229	3	0.05	10	1090	22	6	4	38	0.23	< 10	30	128	< 10	88
9+00N 03+50W	201 229	4	0.06	17	600	2	< 2	5	25	0.55	< 10	< 10	147	< 10	48
9+00N 03+75W	201 229	7	0.06	4	900	8	< 2	2	12	0.22	< 10	< 10	42	< 10	76
9+00N 04+00W	201 229	4	< 0.01	7	440	14	< 2	5	4	0.33	< 10	< 10	177	< 10	54
9+00N 04+50W	201 229	3	0.04	4	690	14	< 2	2	23	0.23	< 10	< 10	82	< 10	76
9+00N 04+75W	201 229	4	0.01	15	2090	20	< 2	2	9	0.18	< 10	< 10	88	< 10	80
9+00N 05+00W	201 229	2	0.01	70	700	16	6	4	18	0.02	< 10	< 10	60	< 10	146
9+00N 05+25W	201 229	7	0.02	22	1010	20	2	3	37	0.02	< 10	< 10	45	< 10	160
9+00N 05+50W	201 229	2	0.03	27	1230	8	< 2	8	28	0.30	< 10	< 10	64	< 10	100
9+00N 05+75W	201 229	12	0.01	7	320	6	< 2	4	8	0.47	< 10	< 10	129	< 10	48
9+00N 06+00W	201 229	6	0.01	8	650	16	< 2	2	6	0.04	< 10	< 10	65	< 10	50
9+00N 06+25W	201 229	1	0.01	95	460	12	< 2	5	26	0.03	< 10	< 10	59	< 10	152
9+00N 06+50W	201 229	8	0.01	7	610	6	< 2	2	39	0.33	< 10	< 10	82	< 10	68
9+00N 06+75W	201 229	8	0.02	7	1090	14	4	8	12	0.37	< 10	< 10	90	< 10	98
9+00N 07+00W	201 229	7	0.06	6	560	2	< 2	2	106	0.47	< 10	< 10	110	< 10	58
9+00N 07+25W	201 229	5	0.03	17	1940	2	2	4	90	0.20	< 10	< 10	65	< 10	102
9+00N 07+50W	201 229	2	0.08	11	670	12	< 2	6	86	0.60	< 10	< 10	115	< 10	50
9+00N 07+75W	201 229	2	0.04	10	740	2	< 2	6	23	0.70	< 10	< 10	130	< 10	44
9+00N 08+00W	201 229	8	< 0.01	10	530	12	< 2	4	30	0.40	< 10	< 10	146	< 10	68
9+00N 08+25W	201 229	6	0.03	9	510	10	6	5	22	0.57	< 10	< 10	145	< 10	58
9+00N 08+50W	201 229	4	0.02	18	520	8	< 2	5	13	0.32	< 10	< 10	155	< 10	60
9+00N 08+75W	201 229	3	0.02	12	420	8	< 2	3	18	0.35	< 10	< 10	156	< 10	48
9+00N 09+00W	201 229	1	0.03	9	510	2	2	4	20	0.52	< 10	< 10	127	< 10	48
9+00N 10+00W	201 229	3	0.01	38	330	6	2	4	9	0.13	< 10	< 10	77	< 10	66
9+00N 10+25W	201 229	3	< 0.01	41	350	12	< 2	7	10	0.12	< 10	< 10	103	< 10	96
9+00N 10+50W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
10+00N 00+50W	201 229	3	0.02	14	1610	18	< 2	3	19	0.03	< 10	< 10	66	< 10	142
10+00N 00+75W	201 229	3	0.02	7	790	6	2	4	19	0.40	< 10	< 10	129	< 10	46

CERTIFICATION:

Hart Beckler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :2-A
 Total Pages :4
 Certificate Date: 27-SEP-94
 Invoice No. :19425913
 P.O. Number :
 Account :BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425913

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
10+00N 01+00W	201 229	< 5	0.6	3.46	22	60	< 0.5	< 2	0.06	< 0.5	3	56	21	8.05	< 10	< 1	0.03	< 10	0.46	280
10+00N 01+25W	201 229	< 5	< 0.2	3.92	14	20	< 0.5	< 2	0.09	< 0.5	4	45	11	7.47	< 10	1	0.04	10	0.32	265
10+00N 01+50W	201 229	< 5	0.4	3.63	18	30	< 0.5	< 2	0.06	< 0.5	2	50	15	6.19	< 10	< 1	0.04	< 10	0.21	135
10+00N 01+75W	201 229	< 5	1.2	3.74	12	40	< 0.5	< 2	0.08	< 0.5	3	66	14	6.85	< 10	< 1	0.05	< 10	0.31	150
10+00N 02+00W	201 229	< 5	< 0.2	3.33	12	20	< 0.5	2	0.07	< 0.5	< 1	22	4	7.50	< 10	< 1	0.06	10	0.08	470
10+00N 02+25W	201 229	< 5	< 0.2	3.08	4	30	< 0.5	< 2	0.12	< 0.5	8	32	20	6.53	< 10	1	0.05	< 10	0.39	225
10+00N 02+50W	201 229	< 5	1.2	1.96	8	130	0.5	< 2	0.36	< 0.5	23	20	30	5.18	< 10	< 1	0.14	< 10	0.37	2430
10+00N 02+75W	201 229	< 5	0.6	3.77	32	80	< 0.5	< 2	0.07	< 0.5	3	70	29	8.27	< 10	< 1	0.04	< 10	0.58	205
10+00N 03+00W	201 229	< 5	< 0.2	2.33	10	100	0.5	< 2	0.21	< 0.5	13	26	37	6.59	< 10	< 1	0.19	< 10	0.30	925
10+00N 03+25W	201 229	< 5	< 0.2	2.96	22	50	< 0.5	< 2	0.04	< 0.5	2	50	16	5.23	< 10	< 1	0.05	< 10	0.26	120
10+00N 03+50W	201 229	< 5	0.4	2.57	14	40	< 0.5	< 2	0.16	< 0.5	7	34	18	4.77	< 10	1	0.06	< 10	0.39	180
10+00N 03+75W	201 229	< 5	< 0.2	1.14	10	80	< 0.5	< 2	0.08	< 0.5	6	13	33	5.57	< 10	< 1	0.17	< 10	0.16	325
10+00N 04+00W	201 229	< 5	1.4	2.21	16	80	< 0.5	< 2	0.18	< 0.5	7	29	36	6.54	< 10	< 1	0.12	< 10	0.32	415
10+00N 04+25W	201 229	< 5	< 0.2	1.10	8	130	< 0.5	< 2	0.09	< 0.5	2	6	6	2.16	< 10	< 1	0.10	10	0.10	105
10+00N 04+50W	201 229	< 5	< 0.2	1.57	16	80	< 0.5	< 2	0.13	< 0.5	6	21	12	4.41	< 10	< 1	0.10	< 10	0.26	740
10+00N 04+75W	201 229	< 5	0.8	0.87	22	60	< 0.5	< 2	0.16	< 0.5	2	12	16	4.22	< 10	< 1	0.11	< 10	0.14	295
10+00N 05+00W	201 229	< 5	1.4	3.32	22	70	0.5	< 2	0.09	< 0.5	16	49	32	5.61	< 10	< 1	0.11	< 10	0.43	1240
10+00N 05+25W	201 229	70	4.6	1.58	174	70	0.5	< 2	0.05	0.5	24	15	33	5.83	< 10	< 1	0.14	< 10	0.10	2350
10+00N 05+50W	201 229	< 5	< 0.2	2.60	12	110	< 0.5	< 2	0.25	< 0.5	7	23	13	5.91	< 10	< 1	0.07	< 10	0.29	165
10+00N 05+75W	201 229	< 5	0.6	2.70	20	120	< 0.5	< 2	0.16	< 0.5	5	29	12	6.84	< 10	< 1	0.07	< 10	0.16	305
10+00N 06+00W	201 229	< 5	1.2	2.80	52	90	0.5	< 2	0.10	< 0.5	15	55	25	5.00	< 10	< 1	0.13	< 10	0.76	935
10+00N 06+50W	201 229	< 5	1.4	3.88	20	180	1.0	< 2	0.58	< 0.5	17	31	18	5.22	< 10	1	0.08	10	0.62	2630
10+00N 06+75W	201 229	< 5	4.4	4.82	112	250	1.5	< 2	0.86	1.0	25	37	37	5.47	< 10	1	0.10	10	0.74	4760
10+00N 07+25W	201 229	< 5	1.2	3.71	8	240	0.5	< 2	1.91	< 0.5	17	26	12	4.38	< 10	1	0.06	10	0.54	1510
10+00N 07+50W	201 229	< 5	0.8	3.95	22	70	< 0.5	< 2	0.41	< 0.5	6	35	13	5.81	< 10	1	0.07	< 10	0.62	235
10+00N 07+75W	201 229	< 5	1.4	3.01	18	60	< 0.5	< 2	0.22	< 0.5	4	36	14	6.30	< 10	< 1	0.07	< 10	0.42	275
10+00N 08+00W	201 229	< 5	0.2	1.60	8	50	< 0.5	< 2	0.10	< 0.5	3	31	10	5.55	< 10	< 1	0.06	< 10	0.14	160
10+00N 08+25W	201 229	< 5	3.2	2.50	24	280	< 0.5	< 2	0.65	< 0.5	4	31	11	6.35	< 10	< 1	0.07	< 10	0.52	230
10+00N 08+50W	201 229	< 5	< 0.2	3.31	14	30	< 0.5	< 2	0.13	< 0.5	2	20	12	7.34	10	1	0.06	< 10	0.29	170
10+00N 08+75W	201 229	< 5	< 0.2	3.70	< 2	30	< 0.5	< 2	0.22	< 0.5	4	31	16	6.19	< 10	1	0.05	< 10	0.49	185
10+00N 09+00W	201 229	< 5	0.6	1.79	6	50	< 0.5	< 2	0.24	< 0.5	6	16	8	2.87	< 10	< 1	0.07	< 10	0.42	175
10+00N 09+25W	201 229	< 5	1.0	2.62	18	40	< 0.5	< 2	0.19	< 0.5	5	32	12	7.12	< 10	< 1	0.06	< 10	0.43	245
10+00N 09+50W	201 229	< 5	< 0.2	2.31	6	60	< 0.5	< 2	0.10	< 0.5	3	44	8	3.64	< 10	< 1	0.10	< 10	0.39	135
10+00N 10+00W	201 229	< 5	< 0.2	3.38	12	60	< 0.5	< 2	0.15	< 0.5	6	34	14	6.03	< 10	< 1	0.04	< 10	0.41	240
10+00N 10+75W	201 229	< 5	0.6	3.58	12	130	< 0.5	< 2	0.27	< 0.5	3	39	14	5.79	< 10	< 1	0.04	< 10	0.36	210
10+00N 11+00W	201 229	< 5	0.4	4.66	14	110	< 0.5	< 2	0.12	< 0.5	4	25	18	6.30	< 10	< 1	0.06	< 10	0.31	430
10+00N 11+50W	201 229	< 5	0.4	0.97	12	170	< 0.5	< 2	0.18	< 0.5	3	29	7	5.24	< 10	< 1	0.04	< 10	0.12	240
11+00N 00+00W	201 229	< 5	2.0	4.16	12	60	< 0.5	< 2	0.18	< 0.5	6	37	13	4.55	< 10	< 1	0.07	< 10	0.39	210
11+00N 00+25W	201 229	< 5	1.2	3.00	18	90	< 0.5	< 2	0.07	< 0.5	3	52	17	6.30	< 10	< 1	0.06	< 10	0.38	520
11+00N 00+50W	201 229	< 5	0.6	3.97	16	30	< 0.5	< 2	0.05	< 0.5	3	43	10	6.61	< 10	< 1	0.03	< 10	0.20	200

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project : #134-R
Comments:

Page Number :2-B
Total Pages :4
Certificate Date: 27-SEP-94
Invoice No. :I9425913
P.O. Number :
Account :BSJ

CERTIFICATE OF ANALYSIS A9425913

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
10+00N 01+00W	201 229	5	< 0.01	29	520	6	2	4	10	0.21	< 10	< 10	74	< 10	78
10+00N 01+25W	201 229	5	0.02	12	540	8	< 2	9	7	0.42	< 10	< 10	92	< 10	62
10+00N 01+50W	201 229	3	0.01	8	440	16	< 2	6	9	0.41	< 10	< 10	124	< 10	48
10+00N 01+75W	201 229	3	0.01	10	570	4	< 2	7	10	0.34	< 10	< 10	108	< 10	46
10+00N 02+00W	201 229	7	0.04	4	560	6	< 2	3	4	0.21	< 10	< 10	44	< 10	64
10+00N 02+25W	201 229	2	0.02	9	550	6	< 2	9	15	0.46	< 10	< 10	197	< 10	44
10+00N 02+50W	201 229	2	0.04	12	1630	8	< 2	6	28	0.23	< 10	< 10	111	< 10	86
10+00N 02+75W	201 229	2	< 0.01	35	400	14	2	6	12	0.16	< 10	< 10	120	< 10	82
10+00N 03+00W	201 229	1	0.01	9	1400	8	< 2	6	17	0.11	< 10	< 10	150	< 10	72
10+00N 03+25W	201 229	4	< 0.01	12	490	12	< 2	4	6	0.22	< 10	< 10	120	< 10	52
10+00N 03+50W	201 229	2	0.04	14	640	8	< 2	5	19	0.35	< 10	< 10	122	< 10	56
10+00N 03+75W	201 229	2	< 0.01	9	1760	12	4	5	6	0.13	< 10	< 10	96	< 10	60
10+00N 04+00W	201 229	2	0.01	13	1330	6	< 2	5	16	0.09	< 10	< 10	109	< 10	64
10+00N 04+25W	201 229	8	0.02	3	890	4	2	1	14	0.03	< 10	< 10	37	< 10	60
10+00N 04+50W	201 229	5	0.02	10	1010	14	< 2	2	16	0.12	< 10	< 10	68	< 10	72
10+00N 04+75W	201 229	9	0.01	7	1390	14	< 2	2	16	0.19	< 10	< 10	80	< 10	88
10+00N 05+00W	201 229	5	0.01	29	1530	8	< 2	5	8	0.11	< 10	< 10	81	< 10	104
10+00N 05+25W	201 229	13	< 0.01	12	2490	44	< 2	4	6	0.01	< 10	< 10	30	< 10	142
10+00N 05+50W	201 229	2	0.06	8	420	8	2	3	28	0.16	< 10	< 10	104	< 10	38
10+00N 05+75W	201 229	3	0.01	9	800	18	< 2	2	17	0.28	< 10	< 10	102	< 10	44
10+00N 06+00W	201 229	3	0.01	54	940	10	< 2	3	13	0.18	< 10	< 10	71	< 10	128
10+00N 06+50W	201 229	2	0.08	18	1150	4	< 2	7	51	0.59	< 10	< 10	117	< 10	104
10+00N 06+75W	201 229	3	0.05	26	1650	6	4	8	65	0.40	< 10	< 10	98	< 10	134
10+00N 07+25W	201 229	6	0.05	14	1520	4	< 2	4	129	0.43	< 10	< 10	83	< 10	128
10+00N 07+50W	201 229	2	0.06	11	710	2	< 2	6	30	0.67	< 10	< 10	132	< 10	46
10+00N 07+75W	201 229	5	0.03	18	590	6	< 2	3	20	0.31	< 10	< 10	88	< 10	68
10+00N 08+00W	201 229	6	< 0.01	7	290	18	2	2	14	0.55	< 10	< 10	165	< 10	56
10+00N 08+25W	201 229	5	0.01	10	420	6	< 2	3	31	0.30	< 10	< 10	136	< 10	60
10+00N 08+50W	201 229	7	0.03	6	700	6	< 2	6	12	0.53	< 10	< 10	157	< 10	54
10+00N 08+75W	201 229	3	0.03	8	640	6	< 2	6	17	0.71	< 10	< 10	144	< 10	52
10+00N 09+00W	201 229	1	0.07	6	640	8	< 2	3	30	0.30	< 10	< 10	98	< 10	40
10+00N 09+25W	201 229	4	0.03	12	570	12	< 2	3	19	0.58	< 10	< 10	126	< 10	56
10+00N 09+50W	201 229	7	0.02	18	570	16	< 2	2	12	0.31	< 10	< 10	81	< 10	52
10+00N 10+00W	201 229	1	0.03	10	520	4	< 2	4	18	0.53	< 10	< 10	142	< 10	48
10+00N 10+75W	201 229	4	0.01	13	510	8	< 2	4	30	0.19	< 10	< 10	123	< 10	46
10+00N 11+00W	201 229	2	0.01	8	960	12	< 2	5	20	0.24	< 10	< 10	146	< 10	56
10+00N 11+50W	201 229	7	0.01	10	410	8	< 2	1	29	0.80	< 10	< 10	207	< 10	48
11+00N 00+00W	201 229	2	0.02	13	1310	4	< 2	3	17	0.40	< 10	< 10	112	< 10	70
11+00N 00+25W	201 229	4	0.01	18	1500	12	< 2	3	13	0.21	< 10	< 10	96	< 10	56
11+00N 00+50W	201 229	3	0.01	11	690	6	4	3	8	0.22	< 10	< 10	77	< 10	48

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R
 Comments:

Page Number :3-A
 Total Pages :4
 Certificate Date: 27-SEP-94
 Invoice No. :19425913
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS A9425913

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
11+00N 00+75W	201 229	< 5	1.6	4.83	20	450	0.5	< 2	1.19	0.5	15	29	16	5.76	< 10	1	0.09	10	0.87	1295	
11+00N 01+00W	201 229	< 5	1.4	3.89	14	30	< 0.5	< 2	0.22	< 0.5	8	36	16	6.34	< 10	1	0.07	< 10	0.46	420	
11+00N 01+25W	201 229	< 5	1.2	3.28	6	30	< 0.5	< 2	0.22	< 0.5	4	26	10	5.63	< 10	< 1	0.07	< 10	0.52	170	
11+00N 01+50W	201 229	< 5	< 0.2	4.40	20	40	< 0.5	< 2	0.32	< 0.5	8	25	15	6.58	< 10	1	0.07	< 10	0.73	270	
11+00N 01+75W	201 229	< 5	0.6	4.19	12	40	< 0.5	< 2	0.10	< 0.5	4	48	19	7.77	< 10	1	0.04	< 10	0.28	250	
11+00N 02+00W	201 229	< 5	< 0.2	2.11	2	80	< 0.5	< 2	0.11	< 0.5	5	43	23	5.17	10	< 1	0.09	10	0.42	250	
11+00N 02+50W	201 229	< 5	< 0.2	3.84	16	160	2.0	< 2	0.79	< 0.5	15	43	45	4.89	< 10	< 1	0.12	20	0.66	1375	
11+00N 02+75W	201 229	< 5	< 0.2	2.34	6	200	0.5	< 2	0.65	< 0.5	13	31	27	5.99	< 10	1	0.12	10	0.37	1085	
11+00N 03+00W	201 229	< 5	0.4	2.12	18	40	< 0.5	< 2	0.08	< 0.5	1	35	9	9.23	10	< 1	0.06	10	0.12	265	
11+00N 03+25W	201 229	< 5	< 0.2	2.70	8	110	< 0.5	< 2	0.22	< 0.5	12	20	64	6.86	< 10	< 1	0.16	< 10	0.46	525	
11+00N 03+50W	201 229	< 5	0.2	1.71	26	70	< 0.5	< 2	0.04	0.5	8	59	38	7.18	< 10	< 1	0.14	< 10	0.45	515	
11+00N 03+75W	201 229	< 5	0.8	2.76	20	70	< 0.5	< 2	0.05	< 0.5	6	61	53	6.23	< 10	< 1	0.16	< 10	0.41	405	
11+00N 04+00W	201 229	< 5	1.6	1.79	22	60	< 0.5	< 2	0.08	< 0.5	4	46	24	8.52	< 10	< 1	0.09	< 10	0.33	260	
11+00N 04+25W	201 229	< 5	1.6	0.88	20	60	< 0.5	< 2	0.07	< 0.5	6	21	34	4.23	< 10	< 1	0.12	< 10	0.11	260	
11+00N 04+50W	201 229	< 5	1.4	2.70	16	80	< 0.5	< 2	0.10	< 0.5	3	32	22	4.76	< 10	1	0.12	< 10	0.31	195	
11+00N 04+75W	201 229	< 5	0.2	1.30	20	80	< 0.5	< 2	0.12	< 0.5	10	30	16	6.97	< 10	< 1	0.11	< 10	0.27	1935	
11+00N 05+00W	201 229	< 5	5.4	2.91	34	50	< 0.5	< 2	0.07	< 0.5	15	51	35	9.22	< 10	< 1	0.09	10	0.21	925	
11+00N 05+25W	201 229	< 5	1.6	2.86	26	240	1.0	< 2	0.69	2.0	21	56	57	4.88	< 10	1	0.22	< 10	0.95	1810	
11+00N 05+50W	201 229	< 5	< 0.2	1.79	16	100	< 0.5	< 2	0.08	< 0.5	10	74	34	5.89	< 10	< 1	0.15	< 10	0.56	1155	
11+00N 05+75W	201 229	< 5	2.4	3.10	20	160	1.0	< 2	0.29	0.5	16	65	43	5.36	< 10	< 1	0.14	< 10	0.79	1185	
11+00N 06+00W	201 229	< 5	1.2	2.21	20	140	0.5	< 2	0.47	0.5	7	48	21	6.03	< 10	< 1	0.11	< 10	0.53	465	
11+00N 06+50W	201 229	< 5	0.6	3.22	14	120	< 0.5	< 2	0.06	< 0.5	5	81	10	5.32	< 10	< 1	0.14	< 10	0.87	295	
11+00N 06+75W	201 229	< 5	0.8	2.52	14	50	< 0.5	< 2	0.11	< 0.5	4	39	15	7.69	< 10	< 1	0.05	< 10	0.37	250	
11+00N 07+00W	201 229	< 5	0.8	2.26	2	200	0.5	< 2	1.20	< 0.5	7	28	17	5.13	< 10	< 1	0.06	< 10	0.28	805	
11+00N 07+50W	201 229	< 5	0.2	2.17	4	100	< 0.5	< 2	0.15	< 0.5	6	43	13	5.39	< 10	< 1	0.07	< 10	0.24	150	
11+00N 07+75W	201 229	< 5	0.2	2.72	36	150	< 0.5	< 2	0.04	< 0.5	7	61	30	5.45	< 10	< 1	0.12	< 10	0.61	265	
11+00N 08+00W	201 229	< 5	0.2	3.46	12	90	< 0.5	< 2	0.03	< 0.5	4	94	29	5.65	< 10	< 1	0.09	< 10	0.65	230	
11+00N 08+25W	201 229	< 5	0.2	2.26	14	140	< 0.5	< 2	0.15	< 0.5	3	73	24	3.38	< 10	1	0.14	< 10	0.81	205	
11+00N 08+50W	201 229	< 5	< 0.2	1.18	4	40	< 0.5	< 2	0.08	< 0.5	< 1	18	5	3.59	10	< 1	0.06	10	0.09	100	
11+00N 08+75W	201 229	< 5	0.4	2.19	12	60	< 0.5	< 2	0.16	< 0.5	7	34	4	8.72	< 10	< 1	0.09	< 10	0.27	550	
11+00N 09+00W	201 229	< 5	< 0.2	2.21	12	70	< 0.5	< 2	0.17	< 0.5	1	30	6	5.82	< 10	< 1	0.04	< 10	0.20	130	
11+00N 09+25W	201 229	< 5	< 0.2	4.00	12	40	< 0.5	< 2	0.28	< 0.5	4	44	12	6.56	< 10	< 1	0.05	< 10	0.35	200	
11+00N 09+50W	201 229	< 5	0.6	3.14	12	40	< 0.5	< 2	0.07	< 0.5	2	39	14	7.98	< 10	1	0.04	< 10	0.12	125	
11+00N 10+00W	201 229	< 5	0.8	3.49	12	100	< 0.5	< 2	0.13	< 0.5	6	66	14	7.82	< 10	< 1	0.04	< 10	0.30	400	
11+00N 10+25W	201 229	< 5	0.2	3.70	26	50	< 0.5	< 2	0.05	< 0.5	6	37	20	6.95	< 10	< 1	0.06	< 10	0.17	740	
11+00N 10+50W	201 229	< 5	< 0.2	4.01	20	70	< 0.5	< 2	0.24	< 0.5	10	41	30	5.25	< 10	1	0.08	< 10	0.74	770	
11+00N 10+75W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11+00N 11+00W	201 229	< 5	< 0.2	3.23	26	160	< 0.5	< 2	0.35	< 0.5	4	10	10	4.40	< 10	< 1	0.05	< 10	0.37	200	
11+00N 11+25W	201 229	< 5	< 0.2	2.77	12	230	< 0.5	< 2	0.07	< 0.5	3	9	11	5.10	< 10	< 1	0.08	< 10	0.23	225	
13+00N 00+00W	201 229	< 5	< 0.2	3.81	16	40	0.5	< 2	0.11	< 0.5	11	50	19	6.33	< 10	1	0.08	10	0.37	775	

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :3-B
 Total Pages :4
 Certificate Date: 27-SEP-94
 Invoice No. :19425913
 P.O. Number :
 Account :BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425913

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11+00N 00+75W	201 229	2	0.10	19	820	4	< 2	8	100	0.67	< 10	< 10	83	< 10	108
11+00N 01+00W	201 229	3	0.06	8	680	16	< 2	8	19	0.54	< 10	< 10	123	< 10	56
11+00N 01+25W	201 229	2	0.05	9	750	4	< 2	5	18	0.61	< 10	< 10	149	< 10	44
11+00N 01+50W	201 229	2	0.06	11	870	12	< 2	8	25	0.68	< 10	< 10	138	< 10	46
11+00N 01+75W	201 229	4	0.01	8	800	14	2	8	9	0.29	< 10	< 10	133	< 10	52
11+00N 02+00W	201 229	2	0.01	22	470	10	4	3	16	0.15	< 10	< 10	108	< 10	54
11+00N 02+50W	201 229	1	0.03	33	2530	12	< 2	13	55	0.14	< 10	< 10	65	< 10	102
11+00N 02+75W	201 229	1	0.03	15	1240	18	2	6	47	0.23	< 10	< 10	91	< 10	98
11+00N 03+00W	201 229	8	0.01	8	620	6	< 2	3	11	0.38	< 10	< 10	119	< 10	62
11+00N 03+25W	201 229	2	0.03	11	1260	8	< 2	6	20	0.03	< 10	< 10	128	< 10	52
11+00N 03+50W	201 229	3	< 0.01	30	4120	12	< 2	3	6	0.04	< 10	< 10	116	< 10	64
11+00N 03+75W	201 229	2	< 0.01	24	2210	10	< 2	7	6	0.03	< 10	< 10	94	< 10	70
11+00N 04+00W	201 229	4	0.01	19	1040	8	< 2	4	8	0.25	< 10	< 10	124	< 10	54
11+00N 04+25W	201 229	2	< 0.01	17	800	8	< 2	3	11	0.14	< 10	< 10	95	< 10	56
11+00N 04+50W	201 229	6	0.01	21	1140	20	< 2	2	13	0.03	< 10	< 10	36	< 10	72
11+00N 04+75W	201 229	5	0.01	14	690	28	< 2	2	14	0.38	< 10	< 10	99	< 10	62
11+00N 05+00W	201 229	4	0.01	22	1850	14	8	6	8	0.07	< 10	< 10	63	< 10	76
11+00N 05+25W	201 229	4	0.04	89	1330	18	< 2	8	67	0.06	< 10	< 10	50	< 10	316
11+00N 05+50W	201 229	2	< 0.01	44	7650	20	< 2	3	16	0.06	< 10	< 10	83	< 10	74
11+00N 05+75W	201 229	3	0.01	56	1410	16	< 2	6	27	0.10	< 10	< 10	72	< 10	128
11+00N 06+00W	201 229	3	0.02	26	980	10	< 2	4	40	0.39	< 10	< 10	120	< 10	74
11+00N 06+50W	201 229	4	< 0.01	48	560	6	< 2	4	11	0.20	< 10	< 10	98	< 10	90
11+00N 06+75W	201 229	4	0.01	18	630	4	< 2	3	13	0.43	< 10	< 10	131	< 10	54
11+00N 07+00W	201 229	5	0.03	18	870	4	< 2	3	95	0.44	< 10	< 10	103	< 10	86
11+00N 07+50W	201 229	4	0.02	13	410	8	2	4	18	0.41	< 10	< 10	150	< 10	50
11+00N 07+75W	201 229	3	0.01	39	320	8	< 2	4	12	0.11	< 10	< 10	93	< 10	76
11+00N 08+00W	201 229	2	< 0.01	38	360	8	< 2	7	7	0.14	< 10	< 10	136	< 10	68
11+00N 08+25W	201 229	< 1	0.01	47	440	6	< 2	4	17	0.01	< 10	< 10	64	< 10	60
11+00N 08+50W	201 229	8	< 0.01	5	280	16	< 2	1	10	0.31	< 10	< 10	83	< 10	38
11+00N 08+75W	201 229	3	0.03	6	490	8	< 2	3	19	0.62	< 10	< 10	147	< 10	64
11+00N 09+00W	201 229	2	< 0.01	6	330	12	< 2	3	17	0.39	< 10	< 10	194	< 10	32
11+00N 09+25W	201 229	3	0.03	9	620	16	< 2	6	19	0.69	< 10	< 10	140	< 10	46
11+00N 09+50W	201 229	7	< 0.01	9	550	10	2	3	9	0.30	< 10	< 10	102	< 10	52
11+00N 10+00W	201 229	3	< 0.01	18	590	10	< 2	4	17	0.48	< 10	< 10	143	< 10	44
11+00N 10+25W	201 229	6	0.01	12	760	10	< 2	3	5	0.17	< 10	< 10	61	< 10	74
11+00N 10+50W	201 229	2	0.04	25	1470	10	< 2	5	22	0.41	< 10	< 10	103	< 10	66
11+00N 10+75W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11+00N 11+00W	201 229	2	0.01	2	370	10	< 2	4	74	0.09	< 10	< 10	119	< 10	30
11+00N 11+25W	201 229	1	< 0.01	2	410	12	< 2	2	11	0.04	< 10	< 10	76	< 10	40
13+00N 00+00W	201 229	4	0.03	15	790	12	< 2	7	9	0.42	< 10	< 10	114	< 10	78

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R
 Comments:

Page Number :4-A
 Total Pages :4
 Certificate Date: 27-SEP-94
 Invoice No. : I9425913
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS A9425913

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
13+00N 00+25W	201 229	< 5	< 0.2	3.18	8	40	< 0.5	< 2	0.10	< 0.5	3	30	13	4.41	< 10	< 1	0.04	< 10	0.21	170	
13+00N 00+50W	201 229	< 5	0.8	3.51	22	60	< 0.5	< 2	0.06	< 0.5	4	59	17	7.52	< 10	< 1	0.04	< 10	0.30	285	
13+00N 00+75W	201 229	< 5	1.6	2.42	2	90	< 0.5	< 2	0.15	< 0.5	2	25	7	7.26	< 10	< 1	0.03	< 10	0.16	180	
13+00N 01+00W	201 229	< 5	0.8	3.06	18	80	< 0.5	< 2	0.07	< 0.5	8	39	30	4.92	< 10	1	0.11	< 10	0.42	1035	
13+00N 01+25W	201 229	< 5	1.0	3.69	16	70	1.0	< 2	0.18	< 0.5	37	39	37	5.71	< 10	< 1	0.09	< 10	0.42	2430	
13+00N 01+50W	201 229	< 5	< 0.2	4.49	12	30	< 0.5	< 2	0.10	< 0.5	4	24	18	5.86	< 10	< 1	0.06	10	0.13	645	
13+00N 01+75W	201 229	< 5	0.4	3.64	16	50	< 0.5	< 2	0.07	< 0.5	4	62	17	7.11	< 10	< 1	0.04	< 10	0.23	205	
13+00N 02+00W	201 229	< 5	0.2	5.39	26	40	< 0.5	< 2	0.04	< 0.5	< 1	35	42	12.75	10	1	0.03	< 10	0.04	200	
13+00N 02+25W	201 229	< 5	1.0	3.74	16	60	< 0.5	< 2	0.32	< 0.5	7	35	23	6.94	< 10	1	0.08	< 10	0.63	300	
13+00N 02+50W	201 229	< 5	< 0.2	4.80	16	140	0.5	< 2	0.08	< 0.5	8	48	41	5.14	< 10	< 1	0.12	< 10	0.47	375	
13+00N 02+75W	201 229	< 5	1.2	1.19	22	60	< 0.5	< 2	0.04	< 0.5	7	27	49	6.33	< 10	1	0.17	< 10	0.17	530	
13+00N 03+00W	201 229	< 5	1.2	1.14	12	60	< 0.5	< 2	0.16	< 0.5	10	20	45	6.29	< 10	< 1	0.14	< 10	0.33	1150	
13+00N 03+25W	201 229	< 5	1.8	2.15	18	70	< 0.5	< 2	0.06	< 0.5	8	68	34	5.87	< 10	< 1	0.11	< 10	0.74	450	
13+00N 03+50W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13+00N 03+75W	201 229	< 5	0.2	2.85	20	70	< 0.5	< 2	0.06	0.5	15	70	37	4.49	< 10	1	0.11	< 10	1.01	760	
13+00N 04+00W	201 229	< 5	< 0.2	1.02	20	80	< 0.5	< 2	0.07	< 0.5	3	34	30	10.00	10	< 1	0.13	10	0.10	695	
13+00N 04+25W	201 229	< 5	0.2	3.03	24	80	0.5	< 2	0.09	< 0.5	21	55	52	3.94	< 10	< 1	0.14	< 10	0.84	1160	
13+00N 04+50W	201 229	< 5	< 0.2	4.02	36	80	0.5	< 2	0.06	0.5	17	45	38	5.84	< 10	1	0.11	10	0.39	1670	
13+00N 05+00W	201 229	< 5	0.8	2.30	18	50	< 0.5	< 2	0.07	< 0.5	9	39	29	5.93	< 10	< 1	0.10	< 10	0.29	805	
13+00N 05+25W	201 229	< 5	0.6	1.64	14	50	< 0.5	< 2	0.11	< 0.5	3	30	20	5.33	< 10	< 1	0.08	< 10	0.35	175	
13+00N 05+50W	201 229	< 5	0.2	1.13	14	70	< 0.5	< 2	0.13	< 0.5	4	34	30	4.25	< 10	< 1	0.09	< 10	0.14	160	
13+00N 05+75W	201 229	< 5	0.6	1.61	12	20	< 0.5	< 2	0.13	< 0.5	4	28	14	5.79	< 10	1	0.07	10	0.23	395	
13+00N 06+00W	201 229	< 5	0.4	1.77	12	30	< 0.5	< 2	0.21	< 0.5	2	28	7	6.57	< 10	< 1	0.05	< 10	0.31	260	
13+00N 06+25W	201 229	< 5	< 0.2	2.56	26	60	< 0.5	< 2	0.14	0.5	6	29	24	7.16	< 10	< 1	0.06	< 10	0.12	1105	
13+00N 06+50W	201 229	< 5	1.2	1.63	36	60	< 0.5	< 2	0.04	< 0.5	7	36	41	5.95	< 10	< 1	0.13	< 10	0.14	955	
13+00N 06+75W	201 229	< 5	< 0.2	2.13	50	80	0.5	< 2	0.09	0.5	14	31	28	4.41	< 10	< 1	0.15	< 10	0.41	1450	
13+00N 07+00W	201 229	< 5	0.2	2.25	40	150	0.5	< 2	0.28	0.5	13	34	29	4.12	< 10	< 1	0.13	< 10	0.47	1755	
13+00N 07+25W	201 229	< 5	0.6	1.20	30	100	< 0.5	< 2	0.26	< 0.5	6	17	28	4.23	< 10	< 1	0.18	< 10	0.21	355	
13+00N 07+75W	201 229	< 5	0.2	3.33	16	20	< 0.5	< 2	0.10	< 0.5	2	29	20	8.80	10	1	0.05	10	0.23	220	
13+00N 08+00W	201 229	< 5	1.0	9.25	26	30	0.5	< 2	0.04	< 0.5	3	38	30	4.07	< 10	2	0.04	10	0.14	120	
13+00N 08+25W	201 229	< 5	< 0.2	2.20	14	30	< 0.5	< 2	0.06	< 0.5	1	27	8	5.49	10	< 1	0.08	10	0.16	160	
13+00N 08+50W	201 229	< 5	0.8	2.09	30	100	< 0.5	< 2	0.09	0.5	6	55	21	6.91	< 10	< 1	0.08	< 10	0.40	240	
13+00N 09+00W	201 229	< 5	< 0.2	2.68	14	60	< 0.5	< 2	0.13	< 0.5	5	57	16	6.39	< 10	< 1	0.04	< 10	0.35	175	
13+00N 09+25W	201 229	< 5	0.2	3.29	42	300	1.0	< 2	0.33	1.0	28	63	37	4.42	< 10	< 1	0.15	< 10	0.96	1690	
13+00N 09+50W	201 229	< 5	< 0.2	2.71	14	40	< 0.5	< 2	0.16	< 0.5	4	34	13	6.53	< 10	< 1	0.06	< 10	0.39	180	
13+00N 09+75W	201 229	< 5	< 0.2	2.94	12	60	< 0.5	< 2	0.13	< 0.5	4	36	10	5.05	< 10	< 1	0.04	< 10	0.35	140	
13+00N 10+00W	201 229	< 5	0.4	3.80	16	30	< 0.5	< 2	0.12	0.5	3	38	14	8.81	< 10	< 1	0.04	< 10	0.23	120	
13+00N 10+25W	201 229	< 5	0.4	1.96	4	50	< 0.5	< 2	0.13	< 0.5	2	25	8	8.23	< 10	< 1	0.04	< 10	0.16	130	
13+00N 10+50W	201 229	< 5	< 0.2	2.41	2	90	< 0.5	< 2	0.09	< 0.5	4	21	8	5.34	< 10	< 1	0.06	< 10	0.25	220	
13+00N 10+75W	201 229	< 5	< 0.2	2.17	14	80	< 0.5	< 2	0.09	< 0.5	4	28	8	5.11	< 10	< 1	0.04	< 10	0.18	250	

CERTIFICATION:

Hartl Bechler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :4-B
 Total Pages :4
 Certificate Date: 27-SEP-94
 Invoice No. :19425913
 P.O. Number :
 Account :BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS

A9425913

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
13+00N 00+25W	201 229	2	0.01	7	850	8	< 2	3	15	0.21	< 10	< 10	103	< 10	46
13+00N 00+50W	201 229	3	0.01	15	480	4	< 2	4	10	0.26	< 10	< 10	133	< 10	66
13+00N 00+75W	201 229	4	0.01	5	640	< 2	< 2	2	21	0.55	< 10	< 10	149	< 10	46
13+00N 01+00W	201 229	3	0.01	19	1180	14	< 2	4	11	0.18	< 10	< 10	96	< 10	70
13+00N 01+25W	201 229	2	0.02	19	1300	12	< 2	4	18	0.30	< 10	< 10	93	< 10	88
13+00N 01+50W	201 229	6	0.04	7	990	6	< 2	3	6	0.19	< 10	< 10	38	< 10	64
13+00N 01+75W	201 229	4	0.01	13	610	10	< 2	5	10	0.20	< 10	< 10	130	< 10	66
13+00N 02+00W	201 229	10	0.01	3	260	30	< 2	4	8	0.26	< 10	< 10	94	< 10	64
13+00N 02+25W	201 229	2	0.06	11	740	8	< 2	7	30	0.68	< 10	< 10	150	< 10	62
13+00N 02+50W	201 229	3	0.01	25	710	20	< 2	7	13	0.06	< 10	< 10	75	< 10	86
13+00N 02+75W	201 229	3	< 0.01	13	2850	22	< 2	5	6	0.08	< 10	< 10	135	< 10	76
13+00N 03+00W	201 229	3	0.06	13	3030	18	< 2	6	18	0.18	< 10	< 10	154	< 10	68
13+00N 03+25W	201 229	3	0.01	50	930	10	< 2	4	12	0.18	< 10	< 10	119	< 10	76
13+00N 03+50W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13+00N 03+75W	201 229	3	< 0.01	69	980	14	< 2	4	11	0.01	< 10	< 10	46	< 10	104
13+00N 04+00W	201 229	8	0.01	9	>10000	20	< 2	1	11	0.04	< 10	< 10	86	< 10	76
13+00N 04+25W	201 229	2	< 0.01	73	940	24	< 2	5	13	0.01	< 10	< 10	38	< 10	200
13+00N 04+50W	201 229	6	0.01	41	1030	20	4	8	8	0.07	< 10	< 10	47	< 10	170
13+00N 05+00W	201 229	6	0.02	20	1550	14	< 2	4	8	0.15	< 10	< 10	73	< 10	82
13+00N 05+25W	201 229	3	0.01	16	600	14	< 2	3	11	0.36	< 10	< 10	105	< 10	56
13+00N 05+50W	201 229	4	0.01	18	740	6	< 2	1	17	0.04	< 10	< 10	74	< 10	62
13+00N 05+75W	201 229	12	0.03	9	620	12	< 2	3	14	0.46	< 10	< 10	106	< 10	74
13+00N 06+00W	201 229	8	0.02	7	440	6	< 2	4	25	0.92	< 10	< 10	144	< 10	60
13+00N 06+25W	201 229	7	< 0.01	12	1220	22	< 2	4	17	0.44	< 10	< 10	111	< 10	110
13+00N 06+50W	201 229	12	0.01	18	1750	24	2	3	7	0.10	< 10	< 10	61	< 10	128
13+00N 06+75W	201 229	7	0.02	32	1430	20	4	4	12	0.03	< 10	< 10	39	< 10	170
13+00N 07+00W	201 229	8	0.02	39	900	16	8	4	38	0.04	< 10	< 10	39	< 10	152
13+00N 07+25W	201 229	7	0.04	13	860	14	4	2	28	0.01	< 10	< 10	49	< 10	94
13+00N 07+75W	201 229	9	0.02	6	550	20	< 2	6	11	0.56	< 10	< 10	126	< 10	62
13+00N 08+00W	201 229	6	< 0.01	11	1680	12	< 2	5	4	0.10	< 10	< 10	37	< 10	58
13+00N 08+25W	201 229	11	0.01	7	330	16	< 2	3	8	0.38	< 10	< 10	108	< 10	60
13+00N 08+50W	201 229	7	0.02	26	650	4	< 2	3	17	0.21	< 10	< 10	113	< 10	68
13+00N 09+00W	201 229	3	0.02	19	360	6	< 2	4	17	0.35	< 10	< 10	150	< 10	58
13+00N 09+25W	201 229	3	0.01	90	1140	14	< 2	6	27	0.04	< 10	< 10	53	< 10	216
13+00N 09+50W	201 229	1	0.03	9	430	16	< 2	4	16	0.51	< 10	< 10	122	< 10	50
13+00N 09+75W	201 229	2	0.01	9	460	4	< 2	4	14	0.49	< 10	< 10	149	< 10	48
13+00N 10+00W	201 229	1	0.03	5	300	14	< 2	6	16	0.33	< 10	< 10	95	< 10	44
13+00N 10+25W	201 229	< 1	0.02	4	210	8	2	2	23	0.38	< 10	< 10	137	< 10	38
13+00N 10+50W	201 229	2	0.01	5	360	4	6	2	18	0.38	< 10	< 10	139	< 10	52
13+00N 10+75W	201 229	5	0.01	7	200	16	< 2	3	13	0.48	< 10	< 10	166	< 10	58

CERTIFICATION:

Hunter Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

A9425917

Comments:

CERTIFICATE

A9425917

(BSJ) - GRANGES INC.

Project: #134-R - *GRD S/S*
 R.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 29-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	123	Dry, sieve to -80 mesh
203	56	Dry, sieve to -35 mesh
205	56	Geochem ring to approx 150 mesh
217	27	Geochem ring entire sample
229	206	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	206	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	206	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	206	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	206	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	206	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	206	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	206	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	206	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	206	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	206	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	206	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	206	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	206	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	206	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	206	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	206	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	206	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	206	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	206	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	206	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	206	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	206	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	206	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	206	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	206	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	206	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	206	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	206	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	206	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	206	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	206	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	206	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	206	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R *GRID Soils*
 Comments:

Page Number :1-A
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :I9425917
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1600N 0000W	201 229	< 5	< 0.2	3.77	6	80	1.0	< 2	0.51	< 0.5	20	27	24	3.89	10	< 1	0.14	10	0.71	1000
1600N 0025W	201 229	< 5	0.2	2.41	4	80	< 0.5	< 2	0.13	< 0.5	10	34	17	5.41	20	< 1	0.10	10	0.29	805
1600N 0050W	203 205	< 5	0.2	2.47	8	170	< 0.5	< 2	0.46	< 0.5	7	63	20	3.68	10	< 1	0.18	< 10	0.85	390
1600N 0075W	217 229	< 5	0.6	2.34	16	30	< 0.5	< 2	0.14	0.5	1	28	9	8.76	60	< 1	0.08	20	0.15	350
1600N 0100W	217 229	< 5	< 0.2	1.70	< 2	80	< 0.5	< 2	0.86	< 0.5	12	23	10	3.47	< 10	< 1	0.18	< 10	1.06	320
1600N 0125W	217 229	< 5	0.4	1.60	4	80	< 0.5	< 2	0.21	0.5	4	29	9	4.08	10	< 1	0.09	< 10	0.39	170
1600N 0150W	201 229	< 5	1.2	2.15	< 2	80	< 0.5	< 2	0.22	< 0.5	4	40	10	4.38	20	< 1	0.06	10	0.34	125
1600N 0175W	201 229	< 5	0.6	3.43	14	110	< 0.5	< 2	0.06	< 0.5	4	70	21	6.07	10	< 1	0.10	10	0.54	180
1600N 0200W	201 229	< 5	< 0.2	2.27	< 2	110	< 0.5	< 2	0.91	< 0.5	13	13	9	3.83	< 10	< 1	0.16	< 10	1.03	345
1600N 0225W	201 229	< 5	0.2	2.90	4	70	< 0.5	< 2	1.59	< 0.5	20	19	13	5.08	10	< 1	0.26	< 10	1.63	980
1600N 0250W	201 229	< 5	< 0.2	1.81	2	110	< 0.5	< 2	0.30	< 0.5	8	20	10	3.67	10	< 1	0.08	10	0.56	265
1600N 0275W	217 229	< 5	0.8	1.45	2	100	< 0.5	< 2	0.60	< 0.5	11	15	15	3.39	< 10	< 1	0.14	< 10	0.86	330
1600N 0300W	201 229	< 5	3.0	3.43	12	60	< 0.5	< 2	0.31	< 0.5	6	25	12	5.31	10	< 1	0.05	10	0.48	180
1600N 0325W	203 205	< 5	0.8	1.47	24	170	< 0.5	< 2	0.09	< 0.5	3	36	31	4.02	< 10	< 1	0.20	< 10	0.33	400
1600N 0350W	217 229	< 5	1.8	2.45	2	80	< 0.5	< 2	0.98	< 0.5	15	23	13	3.80	< 10	< 1	0.20	10	1.45	385
1600N 0375W	217 229	< 5	1.6	1.89	2	90	< 0.5	< 2	0.27	1.0	6	30	9	4.64	10	< 1	0.09	10	0.35	385
1600N 0400W	201 229	< 5	2.0	2.88	2	70	< 0.5	< 2	0.15	0.5	3	28	12	6.02	10	< 1	0.05	< 10	0.29	120
1600N 0425W	217 229	< 5	0.2	1.94	2	60	< 0.5	< 2	1.09	< 0.5	16	15	7	3.65	< 10	< 1	0.20	< 10	1.40	425
1600N 0450W	201 229	< 5	0.6	2.86	6	30	< 0.5	< 2	0.21	0.5	5	28	13	5.75	10	< 1	0.06	10	0.57	165
1600N 0475W	203 205	< 5	< 0.2	1.88	8	70	< 0.5	< 2	0.82	< 0.5	12	27	8	3.96	10	< 1	0.17	< 10	1.10	305
1600N 0500W	217 229	< 5	0.2	1.35	< 2	60	< 0.5	< 2	0.68	< 0.5	10	20	6	2.69	< 10	< 1	0.14	< 10	0.85	240
1600N 0525W	201 229	< 5	0.2	2.28	22	40	< 0.5	< 2	0.03	< 0.5	3	60	14	6.17	10	< 1	0.06	10	0.15	230
1600N 0550W	201 229	< 5	0.6	3.35	20	60	< 0.5	< 2	0.06	< 0.5	2	60	18	6.59	10	< 1	0.05	10	0.31	165
1600N 0575W	201 229	< 5	< 0.2	1.98	4	70	< 0.5	< 2	0.78	< 0.5	13	12	7	3.90	< 10	< 1	0.14	< 10	1.06	320
1600N 0600W	203 205	< 5	0.2	1.40	32	70	< 0.5	< 2	0.59	< 0.5	9	23	4	2.76	< 10	< 1	0.18	10	0.76	280
1600N 0625W	203 205	< 5	1.0	1.65	206	100	< 0.5	< 2	0.06	< 0.5	1	23	8	5.13	10	< 1	0.15	10	0.07	270
1600N 0650W	201 229	< 5	1.0	1.11	128	80	< 0.5	< 2	0.19	< 0.5	5	15	15	3.65	< 10	< 1	0.10	10	0.27	840
1600N 0675W	201 229	< 5	1.4	1.96	96	80	< 0.5	< 2	0.04	< 0.5	6	79	35	7.85	10	< 1	0.15	10	0.71	380
1600N 0700W	203 205	< 5	3.4	0.99	86	90	< 0.5	< 2	0.17	< 0.5	4	23	37	2.94	< 10	< 1	0.25	10	0.24	195
1600N 0725W	217 229	< 5	2.2	1.35	6	130	< 0.5	2	0.77	0.5	8	20	15	3.54	< 10	< 1	0.10	10	0.58	335
1600N 0750W	201 229	< 5	4.2	3.87	110	110	3.5	< 2	0.35	1.0	58	21	47	5.19	< 10	< 1	0.12	20	0.35	3690
1600N 0800W	217 229	< 5	1.0	1.42	< 2	70	< 0.5	< 2	0.55	< 0.5	9	22	9	3.20	10	< 1	0.11	< 10	0.61	230
1600N 0825W	217 229	< 5	0.6	1.77	8	90	< 0.5	< 2	0.47	0.5	8	21	11	4.00	10	< 1	0.10	< 10	0.56	220
1600N 0850W	217 229	< 5	0.2	1.30	2	70	< 0.5	< 2	0.57	0.5	11	12	6	2.44	< 10	< 1	0.12	< 10	0.68	200
1600N 0875W	217 229	< 5	1.0	2.52	6	220	0.5	< 2	0.63	< 0.5	5	54	16	5.85	20	< 1	0.08	10	0.25	210
1600N 0900W	217 229	< 5	0.6	2.22	< 2	70	< 0.5	2	0.70	0.5	10	44	13	6.25	10	< 1	0.12	< 10	0.77	335
1600N 0925W	217 229	< 5	0.2	0.98	< 2	100	< 0.5	< 2	0.38	< 0.5	7	11	6	1.58	< 10	< 1	0.09	< 10	0.48	115
1600N 0950W	217 229	< 5	0.6	1.62	4	90	< 0.5	< 2	0.68	< 0.5	8	14	8	2.73	< 10	< 1	0.11	< 10	0.71	205
1600N 0975W	217 229	< 5	0.4	2.42	6	100	< 0.5	< 2	0.19	0.5	4	48	16	4.72	10	< 1	0.06	< 10	0.49	255
1600N 1000W	201 229	< 5	0.2	2.59	14	100	< 0.5	< 2	0.32	< 0.5	8	32	10	4.75	10	< 1	0.09	< 10	0.62	250

CERTIFICATION:

Hart Buehler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R
 Comments:

Page Number :1-B
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :19425917
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9425917

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1600N 0000W	201 229	2	0.21	20	1440	12	< 2	3	53	0.18	< 10	< 10	62	< 10	84
1600N 0025W	201 229	4	0.02	12	630	14	< 2	3	17	0.39	< 10	< 10	125	< 10	60
1600N 0050W	203 205	1	0.11	26	930	16	< 2	4	51	0.16	< 10	< 10	106	< 10	60
1600N 0075W	217 229	8	0.07	7	590	14	4	2	17	0.36	< 10	< 10	86	20	82
1600N 0100W	217 229	1	0.28	20	890	4	< 2	4	86	0.31	< 10	< 10	74	< 10	62
1600N 0125W	217 229	1	0.06	13	580	10	< 2	3	32	0.33	< 10	< 10	109	< 10	38
1600N 0150W	201 229	< 1	0.04	14	370	16	< 2	4	33	0.35	< 10	< 10	135	< 10	56
1600N 0175W	201 229	2	< 0.01	37	570	14	4	4	16	0.16	< 10	< 10	90	< 10	62
1600N 0200W	201 229	< 1	0.40	15	680	4	< 2	6	109	0.31	< 10	< 10	81	< 10	48
1600N 0225W	201 229	< 1	0.67	21	820	6	< 2	9	143	0.44	< 10	< 10	122	< 10	82
1600N 0250W	201 229	2	0.11	10	500	14	< 2	4	35	0.38	< 10	< 10	148	< 10	48
1600N 0275W	217 229	1	0.24	14	970	6	< 2	4	69	0.23	< 10	< 10	71	< 10	60
1600N 0300W	201 229	3	0.07	11	570	6	< 2	5	36	0.56	< 10	< 10	126	< 10	48
1600N 0325W	203 205	3	0.02	25	1230	6	< 2	4	25	0.05	< 10	< 10	59	< 10	86
1600N 0350W	217 229	< 1	0.48	20	970	2	< 2	6	102	0.35	< 10	< 10	82	< 10	64
1600N 0375W	217 229	2	0.06	12	670	16	2	2	31	0.43	< 10	< 10	113	< 10	60
1600N 0400W	201 229	2	0.02	12	480	4	2	3	20	0.63	< 10	< 10	146	< 10	46
1600N 0425W	217 229	< 1	0.43	18	910	4	< 2	5	104	0.37	< 10	< 10	77	< 10	64
1600N 0450W	201 229	1	0.03	12	560	12	4	4	20	0.62	< 10	< 10	128	< 10	42
1600N 0475W	203 205	1	0.38	16	610	6	< 2	5	89	0.38	< 10	< 10	117	< 10	54
1600N 0500W	217 229	< 1	0.27	13	570	6	< 2	3	74	0.40	< 10	< 10	89	< 10	50
1600N 0525W	201 229	2	< 0.01	11	640	20	2	3	5	0.23	< 10	< 10	109	< 10	40
1600N 0550W	201 229	3	< 0.01	19	520	8	4	5	8	0.26	< 10	< 10	124	< 10	56
1600N 0575W	201 229	< 1	0.33	15	870	4	< 2	6	90	0.49	< 10	< 10	95	< 10	44
1600N 0600W	203 205	2	0.26	11	650	8	2	3	71	0.27	< 10	< 10	57	< 10	34
1600N 0625W	203 205	7	0.02	5	990	38	8	1	19	0.11	< 10	< 10	34	< 10	26
1600N 0650W	201 229	5	0.07	10	920	16	8	2	25	0.21	< 10	< 10	79	< 10	46
1600N 0675W	201 229	3	< 0.01	53	3000	24	< 2	3	9	0.05	< 10	< 10	75	10	138
1600N 0700W	203 205	6	0.04	14	1370	14	2	3	20	0.05	< 10	< 10	39	< 10	112
1600N 0725W	217 229	1	0.15	16	1090	8	< 2	3	74	0.40	< 10	< 10	85	< 10	90
1600N 0750W	201 229	14	0.07	24	2260	18	4	7	46	0.16	< 10	< 10	72	< 10	190
1600N 0800W	217 229	< 1	0.16	12	640	8	< 2	3	59	0.49	< 10	< 10	135	< 10	58
1600N 0825W	217 229	< 1	0.15	13	890	8	2	3	54	0.37	< 10	< 10	87	< 10	62
1600N 0850W	217 229	< 1	0.18	12	890	2	< 2	3	59	0.31	< 10	< 10	52	< 10	44
1600N 0875W	217 229	3	0.02	22	460	12	2	4	59	0.33	< 10	< 10	119	< 10	86
1600N 0900W	217 229	3	0.24	15	530	18	< 2	4	80	0.64	< 10	< 10	160	< 10	64
1600N 0925W	217 229	1	0.14	9	830	4	< 2	2	79	0.20	< 10	< 10	32	< 10	50
1600N 0950W	217 229	< 1	0.20	12	810	4	< 2	4	78	0.37	< 10	< 10	84	< 10	64
1600N 0975W	217 229	2	0.02	24	480	8	< 2	3	33	0.30	< 10	< 10	112	< 10	60
1600N 1000W	201 229	2	0.16	14	630	16	< 2	4	43	0.39	< 10	< 10	109	< 10	48

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R
 Comments:

Page Number :2-A
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :I9425917
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1600N 1025W	201 229	< 5	1.2	5.47	14	200	0.5	< 2	0.21	< 0.5	6	21	13	6.63	10	< 1	0.09	< 10	0.48	400
1600N 1050W	201 229	< 5	0.8	3.86	2	190	< 0.5	< 2	0.22	< 0.5	3	20	10	4.03	10	< 1	0.07	10	0.31	230
1600N 1075W	201 229	< 5	0.8	5.26	6	140	0.5	< 2	0.23	< 0.5	6	26	11	5.90	10	< 1	0.08	10	0.36	310
1600N 1100W	201 229	< 5	1.8	4.40	4	170	0.5	< 2	0.17	< 0.5	6	23	10	5.48	10	< 1	0.09	10	0.35	295
1700N 0000W	201 229	< 5	1.0	2.10	6	90	< 0.5	< 2	0.21	< 0.5	4	39	24	3.81	< 10	< 1	0.10	< 10	0.32	615
1700N 0025W	201 229	< 5	0.2	1.82	< 2	70	< 0.5	< 2	0.31	< 0.5	7	29	15	5.63	10	< 1	0.09	10	0.50	270
1700N 0050W	201 229	< 5	0.4	2.67	8	180	0.5	< 2	0.39	< 0.5	14	34	21	5.17	10	< 1	0.15	10	0.45	1195
1700N 0075W	203 205	< 5	0.4	2.19	8	110	< 0.5	< 2	0.23	0.5	9	74	18	5.81	10	< 1	0.15	40	0.92	465
1700N 0100W	201 229	< 5	0.2	1.72	6	120	< 0.5	< 2	0.34	0.5	8	29	25	5.61	10	< 1	0.07	30	0.43	545
1700N 0125W	201 229	< 5	0.2	2.73	< 2	180	0.5	< 2	1.02	1.0	18	33	35	4.68	10	< 1	0.22	10	1.17	1315
1700N 0150W	203 205	< 5	2.0	3.21	14	70	< 0.5	< 2	0.13	0.5	6	47	22	4.67	< 10	< 1	0.10	10	0.74	330
1700N 0175W	201 229	< 5	0.2	3.70	6	110	< 0.5	< 2	0.06	< 0.5	7	85	36	5.78	10	< 1	0.12	10	1.00	380
1700N 0200W	203 205	< 5	< 0.2	2.42	< 2	110	< 0.5	< 2	1.23	< 0.5	17	18	13	4.25	< 10	< 1	0.23	< 10	1.56	495
1700N 0225W	201 229	< 5	0.6	2.21	12	80	< 0.5	< 2	0.09	< 0.5	3	42	12	5.11	20	< 1	0.04	10	0.23	165
1700N 0250W	203 205	< 5	< 0.2	1.96	< 2	90	< 0.5	< 2	0.54	< 0.5	11	21	13	3.54	< 10	< 1	0.17	< 10	0.87	370
1700N 0275W	203 205	< 5	0.4	1.06	< 2	60	< 0.5	< 2	0.44	0.5	4	20	7	2.26	< 10	< 1	0.04	< 10	0.20	80
1700N 0300W	201 229	< 5	0.8	3.12	10	180	1.0	< 2	0.37	0.5	18	48	32	5.63	10	< 1	0.16	10	0.60	3390
1700N 0375W	203 205	< 5	0.2	1.43	< 2	90	< 0.5	< 2	1.42	< 0.5	6	15	9	1.82	< 10	< 1	0.14	< 10	0.42	165
1700N 0400W	203 205	< 5	0.6	1.44	< 2	90	< 0.5	< 2	1.16	< 0.5	8	17	6	2.55	< 10	< 1	0.12	< 10	0.63	250
1700N 0425W	203 205	< 5	2.8	3.05	4	100	0.5	< 2	0.98	2.5	10	30	10	4.69	10	< 1	0.13	10	0.81	435
1700N 0450W	203 205	< 5	2.0	3.45	8	40	< 0.5	< 2	0.31	0.5	7	31	11	6.73	20	< 1	0.07	10	0.59	210
1700N 0475W	203 205	< 5	0.8	2.78	4	60	0.5	< 2	0.20	< 0.5	3	36	8	4.97	30	< 1	0.08	20	0.28	295
1700N 0500W	203 205	< 5	1.4	1.61	6	40	< 0.5	< 2	0.18	< 0.5	2	22	8	1.91	10	< 1	0.06	10	0.21	80
1700N 0525W	201 229	< 5	0.4	2.52	12	100	< 0.5	< 2	0.31	< 0.5	7	53	12	5.06	10	< 1	0.10	< 10	0.69	215
1700N 0550W	203 205	< 5	< 0.2	0.70	< 2	70	< 0.5	< 2	0.28	< 0.5	2	11	6	1.19	< 10	< 1	0.04	< 10	0.07	40
1700N 0575W	201 229	< 5	0.2	1.57	24	60	< 0.5	< 2	0.22	< 0.5	3	32	7	2.19	20	< 1	0.13	10	0.39	235
1700N 0600W	203 205	< 5	< 0.2	1.42	2	110	< 0.5	< 2	0.43	< 0.5	9	15	10	2.20	< 10	< 1	0.14	< 10	0.63	235
1700N 0625W	203 205	< 5	0.4	1.02	12	120	< 0.5	< 2	0.28	< 0.5	4	16	4	2.84	< 10	< 1	0.07	< 10	0.35	110
1700N 0650W	203 205	< 5	< 0.2	0.78	66	70	< 0.5	< 2	0.29	< 0.5	4	34	2	2.12	< 10	< 1	0.17	10	0.37	200
1700N 0675W	203 205	< 5	4.4	0.58	22	50	< 0.5	< 2	0.13	< 0.5	2	18	4	1.17	< 10	< 1	0.08	10	0.13	95
1700N 0700W	203 205	< 5	0.8	1.04	68	90	< 0.5	< 2	0.57	< 0.5	6	21	6	2.66	< 10	< 1	0.14	10	0.57	1065
1700N 0725W	203 205	< 5	1.0	1.75	6	140	0.5	< 2	1.43	1.0	5	20	16	3.45	< 10	< 1	0.05	10	0.30	435
1700N 0750W	203 205	< 5	< 0.2	0.25	< 2	20	< 0.5	< 2	0.86	< 0.5	1	4	3	0.41	< 10	< 1	0.07	< 10	0.22	45
1700N 0775W	203 205	< 5	0.6	1.90	4	180	< 0.5	2	0.88	< 0.5	13	15	11	3.07	< 10	< 1	0.21	< 10	1.28	315
1700N 0800W	201 229	< 5	0.8	2.21	6	50	< 0.5	< 2	0.34	< 0.5	3	36	3	3.64	30	< 1	0.12	20	0.50	165
1700N 0825W	201 229	< 5	1.2	2.58	4	30	< 0.5	< 2	0.08	< 0.5	2	45	13	9.77	70	< 1	0.04	10	0.17	180
1700N 0850W	203 205	< 5	2.2	1.48	2	80	< 0.5	< 2	0.29	0.5	7	25	9	2.60	< 10	< 1	0.09	< 10	0.56	160
1700N 0875W	201 229	< 5	0.6	2.33	36	60	< 0.5	< 2	0.09	0.5	3	40	17	9.15	60	< 1	0.07	10	0.30	315
1700N 0900W	201 229	< 5	< 0.2	2.37	54	220	1.0	< 2	0.48	0.5	24	15	166	7.65	< 10	< 1	0.12	10	0.46	1100
1700N 0925W	201 229	< 5	< 0.2	0.85	8	80	< 0.5	< 2	0.26	< 0.5	5	5	9	1.91	< 10	< 1	0.07	< 10	0.21	210

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R
 Comments:

Page Number :2-B
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :19425917
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9425917

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1600N 1025W	201 229	3	0.03	9	950	12	2	6	20	0.25	< 10	< 10	153	10	74
1600N 1050W	201 229	1	0.01	6	630	8	< 2	4	19	0.23	< 10	< 10	122	< 10	58
1600N 1075W	201 229	1	0.02	9	660	12	< 2	6	20	0.33	< 10	< 10	151	10	74
1600N 1100W	201 229	1	0.02	8	760	14	< 2	4	16	0.36	< 10	< 10	139	< 10	62
1700N 0000W	201 229	2	0.03	15	1710	16	< 2	3	20	0.18	< 10	< 10	123	< 10	36
1700N 0025W	201 229	2	0.10	16	930	10	< 2	4	44	0.29	< 10	< 10	175	< 10	36
1700N 0050W	201 229	3	0.03	21	1810	16	< 2	2	34	0.13	< 10	< 10	108	< 10	104
1700N 0075W	203 205	1	0.02	35	510	6	2	4	17	0.31	< 10	< 10	116	10	58
1700N 0100W	201 229	3	0.07	18	950	12	2	4	36	0.33	< 10	< 10	163	< 10	44
1700N 0125W	201 229	2	0.31	31	1100	10	2	6	91	0.20	< 10	< 10	89	< 10	124
1700N 0150W	203 205	2	0.03	30	760	12	< 2	6	15	0.28	< 10	< 10	99	< 10	62
1700N 0175W	201 229	2	0.01	59	550	14	< 2	4	12	0.05	< 10	< 10	66	< 10	70
1700N 0200W	203 205	< 1	0.54	21	770	4	< 2	6	134	0.41	< 10	< 10	101	< 10	52
1700N 0225W	201 229	6	0.01	14	330	8	< 2	3	14	0.33	< 10	< 10	148	< 10	40
1700N 0250W	203 205	1	0.20	15	920	4	< 2	4	65	0.19	< 10	< 10	75	< 10	42
1700N 0275W	203 205	1	0.03	12	530	6	< 2	1	63	0.35	< 10	< 10	88	< 10	30
1700N 0300W	201 229	4	0.01	33	1420	18	4	7	32	0.13	< 10	< 10	104	10	136
1700N 0375W	203 205	1	0.33	11	930	4	< 2	4	130	0.32	< 10	< 10	57	< 10	38
1700N 0400W	203 205	< 1	0.21	11	690	6	< 2	3	114	0.39	< 10	< 10	73	< 10	34
1700N 0425W	203 205	2	0.25	19	930	6	< 2	6	100	0.48	< 10	< 10	108	< 10	68
1700N 0450W	203 205	< 1	0.09	13	400	12	< 2	4	31	0.43	< 10	< 10	127	10	34
1700N 0475W	203 205	2	0.06	11	630	20	2	4	23	0.48	< 10	< 10	115	< 10	46
1700N 0500W	203 205	2	0.06	7	810	22	< 2	2	24	0.35	< 10	< 10	63	< 10	18
1700N 0525W	201 229	1	0.10	29	800	6	< 2	4	36	0.20	< 10	< 10	91	< 10	36
1700N 0550W	203 205	< 1	0.01	4	710	2	2	1	40	0.12	< 10	< 10	25	< 10	16
1700N 0575W	201 229	1	0.06	15	620	8	2	3	27	0.15	< 10	< 10	91	< 10	24
1700N 0600W	203 205	< 1	0.14	14	1490	6	< 2	2	57	0.20	< 10	< 10	39	< 10	34
1700N 0625W	203 205	1	0.09	9	710	4	< 2	1	62	0.44	< 10	< 10	82	< 10	22
1700N 0650W	203 205	2	0.11	7	640	14	6	2	36	0.14	< 10	< 10	30	< 10	16
1700N 0675W	203 205	1	0.03	4	730	8	4	1	25	0.22	< 10	< 10	41	< 10	14
1700N 0700W	203 205	2	0.19	11	750	6	4	2	57	0.18	< 10	< 10	47	< 10	42
1700N 0725W	203 205	2	0.04	17	1390	8	< 2	4	91	0.31	< 10	< 10	63	< 10	124
1700N 0750W	203 205	< 1	0.05	3	790	2	< 2	< 1	51	0.05	< 10	< 10	9	< 10	30
1700N 0775W	203 205	< 1	0.43	16	940	4	< 2	5	112	0.35	< 10	< 10	71	< 10	40
1700N 0800W	201 229	2	0.14	20	340	28	2	4	42	0.51	< 10	< 10	101	< 10	58
1700N 0825W	201 229	4	0.03	10	390	18	< 2	2	14	0.39	< 10	< 10	106	40	40
1700N 0850W	203 205	1	0.13	15	640	6	< 2	3	43	0.41	< 10	< 10	94	< 10	26
1700N 0875W	201 229	10	< 0.01	20	420	24	< 2	3	12	0.31	< 10	< 10	94	30	90
1700N 0900W	201 229	2	0.09	27	1180	28	12	8	46	0.05	< 10	< 10	47	< 10	138
1700N 0925W	201 229	2	0.03	5	770	2	< 2	2	28	0.13	< 10	< 10	57	< 10	26

CERTIFICATION:

Haut Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :3-A
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :I9425917
 P.O. Number :
 Account :BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
1700N 0950W	201	229	< 5	0.4	1.92	< 2	80	< 0.5	< 2	0.90	< 0.5	14	13	21	3.46	10	< 1	0.20	< 10	1.14	300
1700N 0975W	203	205	< 5	0.2	2.42	< 2	70	< 0.5	< 2	1.01	< 0.5	14	16	19	3.68	< 10	< 1	0.15	< 10	1.20	300
1700N 1000W	203	205	< 5	0.6	2.83	< 2	90	< 0.5	< 2	1.60	< 0.5	23	23	22	5.27	10	1	0.28	10	2.33	550
1700N 1025W	203	205	< 5	0.4	1.46	< 2	200	< 0.5	< 2	0.92	< 0.5	12	11	14	2.54	< 10	< 1	0.13	< 10	0.95	240
1800N 0000W	203	205	< 5	1.4	3.11	4	40	< 0.5	< 2	0.29	0.5	16	37	24	5.57	20	< 1	0.11	10	0.52	1370
1800N 0025W	201	229	< 5	0.6	2.92	14	80	< 0.5	< 2	0.06	< 0.5	6	60	31	7.46	10	< 1	0.06	10	0.55	260
1800N 0050W	201	229	< 5	< 0.2	1.99	10	70	< 0.5	< 2	0.09	< 0.5	8	17	143	5.48	10	< 1	0.06	10	0.18	85
1800N 0075W	201	229	< 5	< 0.2	2.54	4	90	< 0.5	< 2	0.19	< 0.5	6	29	32	3.60	< 10	< 1	0.10	< 10	0.50	440
1800N 0100W	201	229	< 5	0.6	1.54	2	40	< 0.5	< 2	0.11	< 0.5	6	38	41	4.94	10	< 1	0.06	10	0.15	265
1800N 0125W	203	205	< 5	0.2	0.29	< 2	120	< 0.5	< 2	0.50	< 0.5	1	3	23	0.49	< 10	< 1	0.03	< 10	0.11	40
1800N 0150W	201	229	< 5	0.2	2.22	2	110	< 0.5	< 2	0.32	< 0.5	9	45	36	5.44	10	< 1	0.13	10	0.52	775
1800N 0175W	201	229	< 5	0.6	1.82	< 2	120	< 0.5	< 2	0.63	< 0.5	12	10	16	3.03	< 10	< 1	0.11	< 10	0.97	250
1800N 0200W	201	229	< 5	0.2	2.61	6	120	< 0.5	< 2	0.13	< 0.5	4	42	32	4.44	10	< 1	0.09	10	0.41	150
1800N 0225W	203	205	< 5	0.2	2.37	16	360	< 0.5	< 2	1.99	0.5	12	65	51	3.44	10	< 1	0.20	30	0.85	2010
1800N 0250W	201	229	< 5	< 0.2	2.63	16	70	< 0.5	< 2	0.07	< 0.5	10	58	40	6.97	10	< 1	0.16	10	0.68	985
1800N 0275W	203	205	< 5	0.2	1.98	< 2	210	< 0.5	< 2	3.47	0.5	12	38	23	2.66	< 10	< 1	0.19	10	1.17	915
1800N 0300W	201	229	< 5	0.8	1.82	< 2	120	< 0.5	< 2	0.49	< 0.5	7	29	17	3.54	10	< 1	0.11	< 10	0.64	205
1800N 0325W	201	229	< 5	< 0.2	2.55	6	60	< 0.5	< 2	0.14	< 0.5	3	55	21	5.97	20	< 1	0.08	10	0.51	170
1800N 0350W	201	229	< 5	0.4	2.97	< 2	80	< 0.5	< 2	0.23	< 0.5	7	48	25	4.48	10	< 1	0.08	10	0.65	345
1800N 0375W	203	205	< 5	0.4	1.44	< 2	90	< 0.5	< 2	0.47	< 0.5	10	29	20	3.70	10	< 1	0.10	< 10	0.61	200
1800N 0400W	203	205	< 5	0.2	0.99	2	110	< 0.5	< 2	0.25	< 0.5	3	43	19	2.38	10	1	0.09	< 10	0.16	195
1800N 0425W	201	229	< 5	0.2	0.73	6	40	< 0.5	< 2	0.07	< 0.5	5	26	34	4.92	20	< 1	0.10	30	0.12	480
1800N 0450W	201	229	< 5	0.2	2.32	8	80	< 0.5	< 2	0.13	< 0.5	7	74	26	5.54	10	< 1	0.12	20	0.96	380
1800N 0475W	201	229	< 5	2.4	2.48	8	40	< 0.5	< 2	0.11	< 0.5	3	36	35	6.54	10	< 1	0.10	10	0.43	205
1800N 0500W	201	229	< 5	1.2	2.46	14	90	< 0.5	2	0.11	< 0.5	2	43	23	6.57	20	< 1	0.05	< 10	0.25	105
1800N 0525W	203	205	< 5	0.4	1.93	< 2	70	< 0.5	2	0.87	1.0	16	21	19	3.73	< 10	< 1	0.17	< 10	1.31	330
1800N 0550W	201	229	< 5	< 0.2	2.15	< 2	80	< 0.5	2	1.09	0.5	17	13	18	4.05	< 10	< 1	0.18	< 10	1.45	430
1800N 0575W	203	205	< 5	< 0.2	1.46	8	80	< 0.5	2	0.58	0.5	12	22	13	3.17	< 10	< 1	0.13	< 10	0.78	220
1800N 0600W	203	205	< 5	0.4	1.51	< 2	70	< 0.5	2	0.69	1.0	13	11	15	2.83	< 10	< 1	0.14	< 10	0.93	235
1800N 0625W	201	229	< 5	0.4	2.93	< 2	40	< 0.5	2	0.06	1.0	3	50	20	5.98	10	< 1	0.07	10	0.41	200
1800N 0650W	201	229	< 5	< 0.2	1.01	68	70	< 0.5	2	0.09	0.5	3	10	10	2.47	< 10	< 1	0.06	10	0.15	65
1800N 0675W	201	229	< 5	3.6	4.13	592	440	< 0.5	< 2	0.03	3.0	3	23	29	7.72	10	1	0.60	10	0.04	1650
1800N 0700W	203	205	< 5	2.4	1.30	14	890	< 0.5	< 2	3.08	12.0	16	11	28	3.74	< 10	< 1	0.04	20	0.35	>10000
1800N 0725W	203	205	< 5	< 0.2	2.22	< 2	170	< 0.5	2	2.48	4.5	18	14	23	3.63	< 10	< 1	0.19	< 10	1.20	1715
1800N 0750W	203	205	< 5	0.6	1.78	< 2	60	< 0.5	2	0.57	1.0	12	28	19	4.76	< 10	< 1	0.14	< 10	0.93	370
1800N 0775W	201	229	< 5	0.6	1.94	36	80	< 0.5	2	0.12	0.5	4	31	16	4.25	< 10	< 1	0.07	10	0.30	115
1800N 0800W	203	205	< 5	0.2	1.72	4	120	< 0.5	< 2	0.11	1.0	7	76	17	4.10	10	< 1	0.17	10	0.54	190
1800N 0825W	203	205	< 5	1.0	3.51	< 2	260	< 0.5	< 2	0.54	3.5	61	43	21	9.89	< 10	< 1	0.06	10	0.34	>10000
1800N 0850W	203	205	< 5	0.6	2.29	< 2	150	< 0.5	2	1.13	1.0	20	16	17	3.96	< 10	< 1	0.21	< 10	1.55	500
1800N 0875W	201	229	< 5	0.2	2.13	6	90	< 0.5	< 2	0.23	1.0	16	37	55	5.16	< 10	< 1	0.12	< 10	0.63	1215

CERTIFICATION: Hunter-Burke



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :3-B
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :I9425917
 P.O. Number :
 Account :BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1700N 0950W	201	229	< 1	0.35	13	670	6	< 2	6	102	0.43	< 10	< 10	83	< 10	50
1700N 0975W	203	205	< 1	0.35	14	960	8	< 2	7	114	0.43	< 10	< 10	73	< 10	44
1700N 1000W	203	205	< 1	0.68	22	840	12	< 2	10	172	0.66	< 10	< 10	118	10	62
1700N 1025W	203	205	1	0.26	11	720	4	< 2	4	109	0.32	< 10	< 10	60	< 10	44
1800N 0000W	203	205	4	0.08	13	1000	16	< 2	4	27	0.36	< 10	< 10	105	< 10	86
1800N 0025W	201	229	3	< 0.01	31	870	14	< 2	4	10	0.17	< 10	< 10	149	10	58
1800N 0050W	201	229	6	0.01	6	420	24	4	4	13	0.10	< 10	< 10	210	< 10	46
1800N 0075W	201	229	3	0.05	11	910	14	2	3	21	0.09	< 10	< 10	91	< 10	48
1800N 0100W	201	229	3	0.01	11	640	16	< 2	4	14	0.39	< 10	< 10	115	< 10	64
1800N 0125W	203	205	< 1	0.01	8	770	< 2	< 2	< 1	49	0.04	< 10	< 10	10	< 10	34
1800N 0150W	201	229	3	0.02	18	1840	18	2	4	31	0.18	< 10	< 10	117	< 10	68
1800N 0175W	201	229	1	0.26	13	880	8	< 2	6	76	0.41	< 10	< 10	70	< 10	36
1800N 0200W	201	229	2	0.02	16	890	14	2	4	22	0.17	< 10	< 10	96	< 10	50
1800N 0225W	203	205	2	0.11	20	1640	6	2	14	198	0.14	< 10	< 10	92	< 10	126
1800N 0250W	201	229	6	0.02	30	1300	16	2	6	9	0.07	< 10	< 10	83	< 10	76
1800N 0275W	203	205	2	0.40	14	1010	6	2	8	452	0.28	< 10	< 10	67	< 10	80
1800N 0300W	201	229	2	0.18	12	630	10	< 2	5	64	0.43	< 10	< 10	116	< 10	38
1800N 0325W	201	229	2	0.03	23	630	16	4	4	17	0.27	< 10	< 10	107	< 10	48
1800N 0350W	201	229	1	0.07	25	680	10	2	6	27	0.32	< 10	< 10	104	< 10	70
1800N 0375W	203	205	1	0.13	11	720	10	< 2	3	56	0.53	< 10	< 10	100	< 10	64
1800N 0400W	203	205	2	0.01	7	710	14	< 2	3	23	0.21	< 10	< 10	121	< 10	36
1800N 0425W	201	229	5	0.01	12	1330	18	2	2	8	0.23	< 10	< 10	76	< 10	80
1800N 0450W	201	229	3	0.03	50	760	14	2	4	16	0.16	< 10	< 10	72	< 10	84
1800N 0475W	201	229	2	0.02	10	590	28	< 2	5	13	0.44	< 10	< 10	143	< 10	68
1800N 0500W	201	229	2	0.02	10	470	20	4	3	15	0.37	< 10	< 10	112	< 10	46
1800N 0525W	203	205	< 1	0.35	15	1090	8	2	6	95	0.49	< 10	< 10	81	< 10	68
1800N 0550W	201	229	< 1	0.41	15	1060	8	2	7	107	0.55	< 10	< 10	93	< 10	70
1800N 0575W	203	205	< 1	0.20	10	910	16	2	3	63	0.39	< 10	< 10	66	< 10	56
1800N 0600W	203	205	< 1	0.24	13	800	6	2	4	80	0.40	< 10	< 10	64	< 10	56
1800N 0625W	201	229	2	0.01	20	710	16	4	3	8	0.21	< 10	< 10	86	< 10	46
1800N 0650W	201	229	3	0.03	4	600	14	6	1	16	0.16	< 10	< 10	62	< 10	34
1800N 0675W	201	229	7	0.01	3	2340	48	22	3	25	0.02	< 10	< 10	17	< 10	42
1800N 0700W	203	205	13	0.07	97	1450	6	4	3	347	0.06	20	60	25	< 10	1420
1800N 0725W	203	205	1	0.52	25	1150	6	< 2	7	266	0.44	< 10	< 10	81	< 10	402
1800N 0750W	203	205	1	0.25	12	600	10	2	4	72	0.49	< 10	< 10	108	< 10	54
1800N 0775W	201	229	3	0.04	9	610	22	8	3	19	0.28	< 10	< 10	93	< 10	30
1800N 0800W	203	205	1	0.02	33	510	8	< 2	3	15	0.07	< 10	< 10	85	< 10	48
1800N 0825W	203	205	6	0.06	15	2610	10	4	4	55	0.18	< 10	30	121	< 10	126
1800N 0850W	203	205	< 1	0.48	17	930	6	2	7	125	0.50	< 10	< 10	89	< 10	58
1800N 0875W	201	229	1	0.06	34	3700	16	4	4	26	0.12	< 10	< 10	51	< 10	88

CERTIFICATION: *Hartl Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 4-A
 Total Pages : 6
 Certificate Date: 29-SEP-94
 Invoice No. : 19425917
 P.O. Number :
 Account : BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1800N 0900W	203 205	< 5	0.4	2.39	18	90	< 0.5	< 2	0.19	< 0.5	9	49	26	5.46	10	< 1	0.16	10	0.69	430
1800N 0925W	217 229	< 5	1.4	2.65	< 2	40	< 0.5	< 2	0.29	< 0.5	7	27	9	5.87	10	< 1	0.06	< 10	0.43	205
1800N 0950W	217 229	< 5	0.2	1.98	< 2	110	0.5	< 2	1.17	< 0.5	16	14	9	3.32	< 10	< 1	0.19	< 10	1.35	340
1800N 0975W	217 229	< 5	0.4	2.33	< 2	120	< 0.5	< 2	1.16	< 0.5	17	15	10	3.93	< 10	< 1	0.24	< 10	1.59	400
1800N 1025W	217 229	< 5	0.2	1.62	< 2	80	< 0.5	< 2	0.87	< 0.5	13	16	9	2.77	< 10	< 1	0.16	< 10	1.10	295
1800N 1050W	217 229	< 5	0.6	0.86	< 2	130	< 0.5	< 2	0.28	< 0.5	4	13	7	2.08	< 10	< 1	0.07	< 10	0.18	90
1900N 0000W	201 229	< 5	1.2	4.83	4	30	0.5	< 2	0.47	< 0.5	8	42	19	5.01	20	< 1	0.07	10	0.78	205
1900N 0025W	201 229	< 5	2.4	4.52	4	80	0.5	< 2	0.09	< 0.5	4	23	48	4.38	< 10	< 1	0.06	< 10	0.38	130
1900N 0050W	201 229	< 5	0.6	2.45	6	60	< 0.5	< 2	0.16	< 0.5	4	42	23	4.22	10	< 1	0.09	10	0.53	205
1900N 0075W	203 205	< 5	0.8	2.46	14	30	< 0.5	< 2	0.10	< 0.5	3	35	17	7.29	30	< 1	0.04	10	0.26	280
1900N 0100W	201 229	< 5	0.2	1.49	8	70	< 0.5	< 2	0.11	< 0.5	6	30	43	5.04	10	< 1	0.09	20	0.17	150
1900N 0150W	201 229	< 5	0.8	2.37	4	160	0.5	< 2	0.84	0.5	15	28	64	5.03	< 10	< 1	0.14	10	0.75	1890
1900N 0175W	201 229	< 5	0.2	1.68	4	80	< 0.5	< 2	0.20	0.5	5	15	25	3.84	< 10	< 1	0.10	< 10	0.26	435
1900N 0200W	201 229	< 5	0.6	1.94	6	100	< 0.5	< 2	0.24	0.5	7	32	30	7.46	10	< 1	0.10	10	0.43	675
1900N 0225W	201 229	< 5	2.2	4.24	4	60	0.5	< 2	0.39	0.5	11	25	32	4.31	10	< 1	0.09	10	0.62	570
1900N 0250W	201 229	< 5	0.8	2.53	4	50	1.0	< 2	0.17	0.5	6	41	16	6.90	20	< 1	0.06	20	0.19	410
1900N 0275W	201 229	< 5	0.8	1.44	6	30	< 0.5	< 2	0.07	0.5	4	32	16	7.91	30	< 1	0.04	20	0.11	470
1900N 0300W	201 229	< 5	< 0.2	2.13	4	90	< 0.5	< 2	0.21	< 0.5	4	47	18	3.69	< 10	< 1	0.08	< 10	0.56	245
1900N 0325W	201 229	< 5	1.4	3.55	4	100	4.5	< 2	0.54	0.5	26	43	61	5.70	10	< 1	0.08	90	0.59	2600
1900N 0350W	201 229	< 5	1.0	2.54	6	30	0.5	< 2	0.27	0.5	12	30	15	6.78	20	< 1	0.09	10	0.39	1070
1900N 0375W	201 229	< 5	1.4	5.03	28	60	0.5	< 2	0.12	< 0.5	2	67	18	7.47	20	< 1	0.04	10	0.21	150
1900N 0400W	201 229	< 5	< 0.2	1.95	2	160	0.5	< 2	0.39	< 0.5	11	36	24	5.29	10	1	0.11	< 10	0.39	1140
1900N 0425W	201 229	< 5	0.6	2.17	10	100	< 0.5	< 2	0.31	0.5	6	26	12	6.86	20	< 1	0.05	10	0.36	360
1900N 0450W	201 229	< 5	< 0.2	1.51	2	110	< 0.5	< 2	0.39	0.5	6	17	14	4.07	10	< 1	0.07	< 10	0.28	185
1900N 0475W	201 229	< 5	0.2	1.18	12	100	< 0.5	< 2	0.23	< 0.5	9	17	34	4.83	< 10	< 1	0.08	10	0.16	485
1900N 0525W	201 229	< 5	0.8	1.02	< 2	30	< 0.5	< 2	0.25	< 0.5	6	8	29	2.47	< 10	< 1	0.04	< 10	0.35	175
1900N 0550W	201 229	< 5	0.4	0.83	62	50	0.5	< 2	0.05	< 0.5	19	81	168	7.91	< 10	1	0.08	10	0.11	690
1900N 0575W	201 229	< 5	0.6	0.93	24	140	< 0.5	< 2	0.16	< 0.5	9	26	55	5.63	< 10	< 1	0.18	10	0.19	1250
1900N 0600W	201 229	< 5	0.2	0.95	14	110	< 0.5	< 2	0.04	< 0.5	5	22	55	6.27	< 10	< 1	0.23	10	0.12	605
1900N 0625W	201 229	< 5	0.4	2.93	12	120	< 0.5	< 2	0.14	< 0.5	12	52	45	5.19	< 10	< 1	0.08	10	0.57	655
1900N 0650W	201 229	< 5	0.2	2.43	18	190	1.0	< 2	0.50	0.5	14	33	40	4.16	< 10	< 1	0.13	10	0.56	1565
1900N 0675W	201 229	< 5	0.2	1.00	6	230	0.5	< 2	0.80	0.5	9	17	32	2.28	< 10	< 1	0.11	< 10	0.30	780
1900N 0700W	201 229	< 5	0.2	2.10	30	340	1.0	< 2	0.99	1.0	17	37	46	4.48	< 10	< 1	0.18	10	0.72	2310
1900N 0725W	217 229	< 5	1.6	1.54	< 2	70	< 0.5	< 2	0.31	0.5	6	17	9	3.16	< 10	< 1	0.06	< 10	0.33	135
1900N 0750W	201 229	< 5	< 0.2	1.29	< 2	80	< 0.5	< 2	0.34	< 0.5	6	14	7	4.20	10	< 1	0.08	< 10	0.33	140
1900N 0775W	201 229	< 5	0.4	0.74	< 2	40	< 0.5	< 2	0.70	< 0.5	3	4	7	0.79	< 10	1	0.07	< 10	0.21	60
1900N 0800W	217 229	< 5	0.2	1.99	4	110	0.5	< 2	0.94	0.5	18	14	9	2.78	< 10	< 1	0.16	< 10	1.00	680
1900N 0825W	217 229	< 5	2.4	2.09	< 2	40	< 0.5	< 2	0.38	0.5	5	23	12	6.30	10	< 1	0.09	< 10	0.44	135
1900N 0850W	201 229	< 5	0.4	1.85	6	70	< 0.5	< 2	0.36	< 0.5	8	19	7	5.02	10	< 1	0.08	< 10	0.56	205
1900N 0875W	201 229	< 5	0.2	1.12	10	150	< 0.5	< 2	0.58	< 0.5	8	7	16	2.34	< 10	< 1	0.08	< 10	0.36	120

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

GR S INC

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

A9425946

Comments:

134.041.009

CERTIFICATE

A9425946

(BSJ) - GRANGES INC.

Project: #134-JEFF
 P.O. #:

Soils

Samples submitted to our lab in Vancouver, BC.
 As report was printed on 26-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	131	Dry, sieve to -80 mesh
217	85	Geochem ring entire sample
229	216	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	216	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	216	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	216	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	216	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	216	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	216	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	216	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	216	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	216	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	216	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	216	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	216	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	216	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	216	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	216	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	216	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	216	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	216	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	216	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	216	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	216	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	216	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	216	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	216	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	216	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	216	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	216	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	216	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	216	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	216	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	216	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	216	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	216	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1-A
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : 19425946
 P.O. Number :
 Account : BSJ

Project : #134-JEFF *Soils*
 Comments:

134.041.009

CERTIFICATE OF ANALYSIS A9425946

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
000N 0000W	217	229	< 5	0.8	0.73	< 2	70	< 0.5	< 2	1.44	0.5	4	4	8	1.02	< 10	1	0.06	< 10	0.26	80
000N 0025W	217	229	< 5	0.6	0.72	< 2	60	< 0.5	< 2	1.27	0.5	4	6	8	1.36	< 10	2	0.11	< 10	0.27	115
000N 0050W	201	229	< 5	1.6	1.00	6	60	< 0.5	< 2	0.14	< 0.5	6	15	8	3.21	< 10	< 1	0.04	10	0.31	235
000N 0075W	201	229	< 5	< 0.2	1.88	12	50	< 0.5	< 2	0.13	0.5	8	15	41	4.63	< 10	< 1	0.06	< 10	0.82	700
000N 0100W	201	229	< 5	1.2	4.55	28	90	< 0.5	< 2	0.02	0.5	9	41	105	7.44	< 10	< 1	0.04	10	0.55	330
000N 0125W	201	229	< 5	0.4	2.53	14	100	< 0.5	< 2	0.16	< 0.5	6	19	28	3.84	< 10	< 1	0.11	< 10	0.95	245
000N 0150W	201	229	< 5	< 0.2	3.87	18	150	< 0.5	< 2	0.04	< 0.5	9	36	63	4.63	< 10	< 1	0.08	< 10	0.63	515
000N 0175W	201	229	< 5	0.4	1.77	16	170	< 0.5	< 2	0.69	< 0.5	4	16	36	3.40	< 10	< 1	0.08	< 10	0.28	200
000N 0200W	201	229	< 5	0.6	2.51	12	80	< 0.5	< 2	0.07	< 0.5	4	20	49	4.27	< 10	< 1	0.06	< 10	0.64	295
000N 0225W	201	229	< 5	0.6	1.59	2	90	< 0.5	< 2	0.58	0.5	11	23	14	4.49	< 10	< 1	0.11	10	0.72	415
000N 0250W	217	229	< 5	2.2	0.84	< 2	70	< 0.5	< 2	1.19	0.5	6	8	11	1.49	< 10	< 1	0.10	< 10	0.39	130
000N 0275W	217	229	< 5	1.2	1.20	< 2	60	< 0.5	< 2	0.51	0.5	10	8	8	2.25	< 10	< 1	0.14	< 10	0.71	200
000N 0300W	217	229	< 5	1.2	1.41	2	140	< 0.5	< 2	0.56	0.5	4	24	6	2.82	< 10	< 1	0.07	< 10	0.31	150
000N 0325W	217	229	< 5	3.2	1.92	4	110	< 0.5	< 2	0.96	1.5	17	19	14	3.73	< 10	< 1	0.18	10	0.86	495
000N 0350W	201	229	< 5	0.8	1.22	12	100	< 0.5	< 2	0.16	0.5	4	20	18	4.17	< 10	< 1	0.05	< 10	0.20	130
000N 0375W	217	229	< 5	1.4	1.05	4	150	< 0.5	< 2	0.34	0.5	6	28	13	3.22	< 10	< 1	0.06	< 10	0.27	145
000N 0400W	201	229	< 5	1.8	0.56	< 2	60	< 0.5	< 2	0.34	0.5	4	4	6	1.11	< 10	< 1	0.08	< 10	0.23	150
000N 0425W	201	229	< 5	0.8	2.03	20	90	< 0.5	< 2	0.10	< 0.5	4	24	19	4.81	< 10	< 1	0.04	< 10	0.26	180
000N 0450W	201	229	< 5	1.0	1.01	12	40	< 0.5	< 2	0.17	< 0.5	4	14	16	2.07	< 10	< 1	0.06	< 10	0.20	155
000N 0475W	201	229	< 5	0.6	2.61	18	60	< 0.5	< 2	0.04	< 0.5	6	23	40	6.16	< 10	< 1	0.03	< 10	0.33	160
000N 0500W	201	229	< 5	0.8	2.39	20	40	< 0.5	< 2	0.02	0.5	4	21	52	6.91	< 10	< 1	0.03	< 10	0.27	135
000N 0525W	217	229	< 5	2.4	1.03	< 2	60	< 0.5	< 2	0.35	0.5	8	8	7	2.13	< 10	< 1	0.09	< 10	0.61	165
000N 0550W	201	229	< 5	1.4	5.09	38	40	< 0.5	< 2	0.02	0.5	4	52	39	7.09	< 10	< 1	0.04	< 10	0.27	250
000N 0575W	201	229	< 5	< 0.2	1.26	24	70	< 0.5	< 2	0.20	0.5	8	13	23	4.01	< 10	< 1	0.06	< 10	0.36	250
000N 0600W	217	229	< 5	1.2	1.12	< 2	40	< 0.5	< 2	0.56	< 0.5	9	11	6	2.52	< 10	< 1	0.11	< 10	0.71	215
000N 0625W	217	229	< 5	0.6	0.54	2	70	< 0.5	< 2	0.33	< 0.5	3	15	9	1.46	< 10	1	0.07	< 10	0.12	75
000N 0650W	217	229	< 5	0.2	0.36	< 2	60	< 0.5	< 2	0.33	< 0.5	2	4	2	0.44	< 10	2	0.02	< 10	0.16	30
000N 0675W	217	229	< 5	0.2	0.54	< 2	50	< 0.5	< 2	0.32	< 0.5	3	3	2	0.77	< 10	1	0.04	< 10	0.25	70
000N 0700W	217	229	< 5	0.2	0.67	< 2	50	< 0.5	< 2	0.36	< 0.5	4	5	2	1.12	< 10	< 1	0.06	< 10	0.32	95
100N 0000W	217	229	< 5	0.8	0.69	< 2	50	< 0.5	< 2	0.52	< 0.5	4	6	6	1.33	< 10	< 1	0.11	< 10	0.39	365
100N 0025W	217	229	< 5	0.6	0.42	< 2	60	< 0.5	< 2	0.20	< 0.5	3	4	3	0.80	< 10	< 1	0.06	< 10	0.15	60
100N 0050W	201	229	< 5	0.2	2.27	14	30	< 0.5	8	0.12	< 0.5	6	26	71	4.35	< 10	< 1	0.07	< 10	1.27	280
100N 0075W	217	229	< 5	0.2	0.68	< 2	60	< 0.5	< 2	2.87	0.5	2	6	11	0.63	< 10	< 1	0.02	< 10	0.10	325
100N 0100W	217	229	< 5	< 0.2	0.26	< 2	80	< 0.5	< 2	2.71	0.5	< 1	3	8	0.16	< 10	< 1	0.09	< 10	0.10	1000
100N 0125W	201	229	< 5	0.2	1.41	4	30	< 0.5	< 2	0.15	< 0.5	3	12	6	1.20	< 10	< 1	0.05	< 10	0.17	105
100N 0150W	201	229	< 5	0.8	1.84	6	60	< 0.5	< 2	0.19	< 0.5	5	17	28	3.37	< 10	< 1	0.08	< 10	0.74	225
100N 0175W	201	229	< 5	0.2	3.53	22	90	< 0.5	< 2	0.10	< 0.5	10	32	50	4.85	< 10	< 1	0.08	< 10	1.01	775
100N 0200W	217	229	< 5	0.2	1.29	< 2	140	< 0.5	< 2	2.87	4.0	6	9	10	1.48	< 10	< 1	0.10	< 10	0.45	365
100N 0225W	217	229	< 5	0.8	1.23	< 2	80	< 0.5	< 2	2.03	< 0.5	7	10	6	2.73	< 10	< 1	0.10	< 10	0.52	215
100N 0250W	217	229	< 5	0.6	1.22	< 2	80	< 0.5	< 2	0.65	< 0.5	9	10	7	2.30	< 10	< 1	0.12	< 10	0.72	215

CERTIFICATION:

Hartmut Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GHANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-JEFF
 Comments:

Page Number : 1-B
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
000N 0000W	217 229	< 1	0.04	7	780	2	< 2	1	137	0.11	< 10	< 10	18	< 10	40
000N 0025W	217 229	< 1	0.08	9	1060	4	< 2	2	123	0.17	< 10	< 10	29	< 10	54
000N 0050W	201 229	9	0.06	10	580	12	< 2	2	21	0.39	< 10	< 10	113	< 10	54
000N 0075W	201 229	1	0.01	15	1130	22	< 2	2	18	0.07	< 10	< 10	59	< 10	94
000N 0100W	201 229	7	< 0.01	25	640	28	8	8	3	0.11	< 10	< 10	104	< 10	154
000N 0125W	201 229	1	0.04	13	760	14	< 2	3	17	0.06	< 10	< 10	66	< 10	54
000N 0150W	201 229	1	< 0.01	20	650	22	< 2	6	4	0.07	< 10	< 10	95	< 10	102
000N 0175W	201 229	4	0.01	12	630	10	2	3	63	0.07	< 10	< 10	98	< 10	100
000N 0200W	201 229	1	0.02	13	1090	16	< 2	3	8	0.04	< 10	< 10	70	< 10	80
000N 0225W	201 229	4	0.23	14	610	18	< 2	4	56	0.53	< 10	< 10	137	< 10	60
000N 0250W	217 229	1	0.08	9	1020	< 2	< 2	2	164	0.21	< 10	< 10	30	< 10	44
000N 0275W	217 229	1	0.19	11	920	6	< 2	3	67	0.30	< 10	< 10	47	< 10	42
000N 0300W	217 229	4	0.08	8	710	8	2	2	57	0.36	< 10	< 10	75	< 10	60
000N 0325W	217 229	1	0.26	15	1360	8	< 2	3	91	0.26	< 10	< 10	60	< 10	82
000N 0350W	201 229	5	0.03	11	430	6	< 2	2	31	0.24	< 10	< 10	127	< 10	82
000N 0375W	217 229	2	0.04	10	470	8	< 2	3	50	0.46	< 10	< 10	135	< 10	68
000N 0400W	201 229	1	0.04	5	1010	4	< 2	1	42	0.16	< 10	< 10	24	< 10	62
000N 0425W	201 229	3	0.02	10	490	14	< 2	4	9	0.27	< 10	< 10	185	< 10	54
000N 0450W	201 229	2	0.04	7	520	6	2	3	16	0.24	< 10	< 10	111	< 10	38
000N 0475W	201 229	2	0.01	11	1070	20	< 2	2	12	0.02	< 10	< 10	76	< 10	52
000N 0500W	201 229	2	< 0.01	12	1180	18	< 2	2	9	0.03	< 10	< 10	108	< 10	58
000N 0525W	217 229	1	0.15	10	860	4	< 2	3	54	0.26	< 10	< 10	43	< 10	54
000N 0550W	201 229	6	0.01	16	1250	24	< 2	5	7	0.02	< 10	< 10	49	< 10	120
000N 0575W	201 229	4	0.07	12	770	6	< 2	4	38	0.13	< 10	< 10	92	< 10	94
000N 0600W	217 229	< 1	0.18	10	830	2	2	3	55	0.35	< 10	< 10	53	< 10	38
000N 0625W	217 229	1	0.03	4	620	4	< 2	1	37	0.15	< 10	< 10	47	< 10	36
000N 0650W	217 229	< 1	0.02	3	410	< 2	< 2	< 1	85	0.07	< 10	< 10	11	< 10	64
000N 0675W	217 229	< 1	0.06	6	650	< 2	< 2	1	62	0.10	< 10	< 10	17	< 10	40
000N 0700W	217 229	< 1	0.08	6	720	2	< 2	1	49	0.15	< 10	< 10	24	< 10	34
100N 0000W	217 229	1	0.10	7	940	< 2	< 2	1	37	0.17	< 10	< 10	27	< 10	48
100N 0025W	217 229	< 1	0.03	4	850	< 2	< 2	1	32	0.11	< 10	< 10	16	< 10	32
100N 0050W	201 229	1	< 0.01	29	790	16	< 2	2	12	0.02	< 10	< 10	47	< 10	90
100N 0075W	217 229	1	0.03	17	1260	4	< 2	< 1	251	0.03	< 10	< 10	11	< 10	70
100N 0100W	217 229	< 1	0.02	10	1190	2	< 2	< 1	224	< 0.01	< 10	< 10	5	< 10	108
100N 0125W	201 229	< 1	0.02	7	540	4	< 2	3	21	0.10	< 10	< 10	75	< 10	28
100N 0150W	201 229	< 1	0.04	9	920	12	< 2	3	17	0.09	< 10	< 10	61	< 10	46
100N 0175W	201 229	< 1	0.02	23	860	20	2	3	11	0.03	< 10	< 10	59	< 10	84
100N 0200W	217 229	1	0.28	15	1090	< 2	< 2	3	268	0.24	< 10	< 10	41	< 10	78
100N 0225W	217 229	1	0.20	9	870	4	< 2	4	193	0.41	< 10	< 10	59	< 10	66
100N 0250W	217 229	1	0.21	12	840	4	< 2	3	78	0.30	< 10	< 10	54	< 10	50

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-JEFF
 Comments:

Page Number : 2-A
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : 19425946
 P.O. Number :
 Account : BJSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
100N 0275W	201 229	< 5	0.4	1.15	< 2	40	< 0.5	< 2	0.36	< 0.5	6	9	11	1.93	< 10	< 1	0.08	< 10	0.40	690
100N 0300W	217 229	< 5	0.4	1.07	< 2	50	< 0.5	< 2	0.49	0.5	9	9	4	2.11	< 10	< 1	0.10	< 10	0.68	190
100N 0325W	201 229	< 5	< 0.2	0.76	< 2	30	< 0.5	< 2	0.12	< 0.5	1	8	2	0.73	< 10	< 1	0.03	10	0.11	110
100N 0350W	201 229	< 5	0.4	2.06	12	80	< 0.5	< 2	0.73	< 0.5	15	12	17	4.12	< 10	< 1	0.14	< 10	1.01	515
100N 0375W	217 229	< 5	3.4	1.78	6	70	< 0.5	< 2	0.70	< 0.5	12	19	10	3.48	< 10	< 1	0.14	< 10	0.98	335
100N 0400W	201 229	< 5	0.6	1.75	24	140	< 0.5	< 2	0.33	0.5	10	25	18	3.97	< 10	< 1	0.11	< 10	0.38	2060
100N 0450W	201 229	< 5	1.6	1.94	22	50	< 0.5	< 2	0.11	< 0.5	3	24	12	2.95	< 10	< 1	0.04	< 10	0.27	85
100N 0475W	217 229	< 5	3.2	0.30	< 2	220	< 0.5	< 2	0.77	0.5	2	5	8	0.54	< 10	2	0.04	< 10	0.12	115
100N 0500W	201 229	< 5	0.8	1.10	30	40	< 0.5	< 2	0.12	< 0.5	8	10	86	4.93	< 10	< 1	0.05	< 10	0.21	210
100N 0545W	201 229	< 5	1.2	3.45	40	60	< 0.5	< 2	0.01	0.5	11	31	100	8.25	< 10	1	0.04	< 10	0.24	380
100N 0550W	201 229	< 5	0.8	1.09	8	30	< 0.5	< 2	0.32	< 0.5	9	12	16	3.42	< 10	< 1	0.09	< 10	0.42	780
100N 0575W	201 229	< 5	1.0	1.17	< 2	40	< 0.5	< 2	0.41	< 0.5	8	8	9	2.70	< 10	< 1	0.10	< 10	0.55	210
100N 0600W	201 229	< 5	0.6	0.95	26	30	< 0.5	< 2	0.18	< 0.5	10	8	29	3.66	< 10	1	0.07	< 10	0.32	200
100N 0625W	201 229	< 5	0.2	0.54	10	30	< 0.5	< 2	0.03	< 0.5	3	8	12	2.33	< 10	< 1	0.03	10	0.07	140
100N 0650W	201 229	< 5	0.8	3.96	28	60	< 0.5	< 2	0.07	0.5	11	35	87	6.81	< 10	< 1	0.08	< 10	0.62	240
100N 0675W	201 229	< 5	1.0	3.35	28	60	< 0.5	< 2	0.04	0.5	9	34	72	8.44	< 10	< 1	0.07	< 10	0.49	200
100N 0700W	217 229	< 5	0.8	0.88	< 2	60	< 0.5	< 2	0.35	< 0.5	5	12	5	1.56	< 10	< 1	0.08	< 10	0.26	100
100S 0000W	217 229	< 5	0.8	0.73	6	40	< 0.5	< 2	0.07	< 0.5	2	11	12	2.91	< 10	< 1	0.03	10	0.11	155
100S 0025W	201 229	< 5	1.4	2.61	16	40	< 0.5	< 2	0.07	< 0.5	2	26	14	6.25	10	< 1	0.03	< 10	0.22	125
100S 0050W	201 229	< 5	0.8	1.38	8	40	< 0.5	< 2	0.15	< 0.5	4	9	23	2.15	< 10	< 1	0.05	< 10	0.21	160
100S 0075W	201 229	< 5	0.4	2.57	22	60	< 0.5	< 2	0.02	< 0.5	3	24	43	7.46	< 10	< 1	0.04	10	0.24	305
100S 0100W	201 229	< 5	0.6	2.82	26	90	< 0.5	< 2	0.07	< 0.5	5	26	43	5.32	< 10	< 1	0.07	< 10	0.55	250
100S 0125W	201 229	< 5	1.4	3.77	24	70	< 0.5	< 2	0.07	0.5	8	45	69	6.60	< 10	< 1	0.07	< 10	0.83	315
100S 0150W	201 229	< 5	1.4	2.66	34	60	< 0.5	< 2	0.30	< 0.5	8	26	30	4.76	< 10	< 1	0.07	< 10	0.60	260
100S 0175W	217 229	< 5	1.0	2.77	24	90	< 0.5	14	0.37	< 0.5	10	69	32	4.59	< 10	< 1	0.19	< 10	1.38	395
100S 0200W	201 229	< 5	1.4	2.66	8	90	< 0.5	< 2	0.06	< 0.5	4	25	30	4.78	< 10	< 1	0.06	< 10	0.51	375
100S 0225W	201 229	< 5	2.0	3.39	124	60	< 0.5	< 2	0.07	0.5	9	26	110	7.25	< 10	< 1	0.06	10	0.31	660
100S 0250W	201 229	< 5	2.0	3.68	30	80	< 0.5	< 2	0.04	< 0.5	5	35	55	6.38	< 10	< 1	0.04	10	0.20	470
100S 0275W	201 229	< 5	1.4	2.35	22	40	< 0.5	< 2	0.15	0.5	4	31	33	8.43	< 10	< 1	0.03	< 10	0.29	395
100S 0300W	201 229	< 5	1.6	2.38	14	70	< 0.5	< 2	0.25	0.5	8	25	25	5.08	< 10	< 1	0.06	< 10	0.48	320
100S 0325W	201 229	< 5	0.8	1.13	16	50	< 0.5	< 2	0.16	< 0.5	6	20	10	2.51	< 10	< 1	0.04	< 10	0.27	165
100S 0350W	201 229	< 5	0.6	2.03	16	90	< 0.5	< 2	0.31	0.5	5	43	22	5.13	< 10	< 1	0.09	< 10	0.41	160
100S 0375W	217 229	< 5	< 0.2	0.82	< 2	40	< 0.5	< 2	1.14	< 0.5	6	7	4	1.44	< 10	< 1	0.07	< 10	0.39	105
100S 0400W	217 229	< 5	0.4	1.06	< 2	70	< 0.5	< 2	0.45	< 0.5	6	8	10	1.93	< 10	< 1	0.07	< 10	0.28	95
100S 0425W	201 229	< 5	1.2	2.76	26	50	< 0.5	< 2	0.10	< 0.5	5	63	29	7.43	< 10	< 1	0.07	< 10	0.46	385
100S 0450W	217 229	< 5	0.6	3.22	34	80	< 0.5	< 2	0.27	0.5	12	34	56	5.57	< 10	< 1	0.08	< 10	0.83	480
100S 0475W	201 229	< 5	0.8	1.23	20	40	< 0.5	< 2	0.09	< 0.5	8	16	20	2.40	< 10	< 1	0.05	10	0.16	100
100S 0500W	201 229	< 5	1.2	3.00	22	70	< 0.5	< 2	0.08	0.5	3	46	33	7.97	< 10	< 1	0.03	< 10	0.14	235
100S 0525W	201 229	< 5	0.2	1.99	20	80	< 0.5	< 2	0.08	< 0.5	4	26	26	5.88	< 10	< 1	0.06	< 10	0.25	130
100S 0550W	217 229	< 5	1.4	1.82	< 2	150	< 0.5	< 2	0.91	0.5	17	17	26	2.91	< 10	< 1	0.11	< 10	0.73	745

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-JEFF
 Comments:

Page Number : 2-B
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
100N 0275W	201 229	1	0.08	8	910	2	< 2	3	27	0.13	< 10	< 10	55	< 10	42
100N 0300W	217 229	1	0.17	10	650	4	< 2	3	58	0.26	< 10	< 10	46	< 10	38
100N 0325W	201 229	1	0.02	2	330	2	< 2	1	11	0.09	< 10	< 10	31	< 10	12
100N 0350W	201 229	1	0.33	14	860	18	< 2	5	74	0.37	< 10	< 10	87	< 10	52
100N 0375W	217 229	1	0.29	14	860	8	< 2	4	76	0.41	< 10	< 10	99	< 10	46
100N 0400W	201 229	4	0.03	12	790	12	< 2	4	46	0.18	< 10	< 10	109	< 10	76
100N 0450W	201 229	3	0.02	8	520	14	2	5	15	0.16	< 10	< 10	127	< 10	38
100N 0475W	217 229	< 1	0.01	5	1340	< 2	< 2	< 1	108	0.02	< 10	< 10	4	< 10	56
100N 0500W	201 229	3	0.02	14	980	16	2	4	13	0.05	< 10	< 10	43	< 10	102
100N 0525W	201 229	5	< 0.01	18	1680	22	< 2	7	3	0.01	< 10	< 10	56	< 10	120
100N 0550W	201 229	3	0.11	9	1150	10	2	3	30	0.28	< 10	< 10	103	< 10	50
100N 0575W	201 229	1	0.14	10	1390	< 2	2	3	45	0.33	< 10	< 10	67	< 10	50
100N 0600W	201 229	4	0.08	12	690	4	2	4	25	0.12	< 10	< 10	85	< 10	54
100N 0625W	201 229	4	0.01	5	280	2	< 2	1	14	0.12	< 10	< 10	74	< 10	60
100N 0650W	201 229	3	< 0.01	27	1000	16	2	6	6	0.02	< 10	< 10	58	< 10	162
100N 0675W	201 229	4	< 0.01	24	960	10	< 2	4	5	0.05	< 10	< 10	80	< 10	126
100N 0700W	217 229	1	0.07	6	800	2	< 2	2	46	0.14	< 10	< 10	40	< 10	46
100S 0000W	217 229	9	0.01	6	290	10	< 2	1	11	0.25	< 10	< 10	98	< 10	54
100S 0025W	201 229	5	< 0.01	8	610	16	< 2	3	11	0.21	< 10	< 10	139	< 10	48
100S 0050W	201 229	2	0.04	8	630	4	< 2	2	16	0.03	< 10	< 10	78	< 10	38
100S 0075W	201 229	7	< 0.01	12	1050	18	2	3	3	0.10	< 10	< 10	93	< 10	84
100S 0100W	201 229	4	0.01	15	960	22	< 2	4	12	0.04	< 10	< 10	88	< 10	74
100S 0125W	201 229	7	< 0.01	14	1620	24	< 2	6	8	0.15	< 10	< 10	140	< 10	70
100S 0150W	201 229	2	0.09	14	1770	16	< 2	5	41	0.17	< 10	< 10	100	< 10	58
100S 0175W	217 229	1	0.11	21	1180	8	< 2	6	44	0.12	< 10	< 10	104	< 10	72
100S 0200W	201 229	3	0.01	11	2280	14	< 2	4	9	0.09	< 10	< 10	87	< 10	60
100S 0225W	201 229	8	0.01	17	1640	30	< 2	4	8	0.10	< 10	< 10	59	< 10	126
100S 0250W	201 229	6	0.01	16	1970	20	2	3	4	0.10	< 10	< 10	63	< 10	86
100S 0275W	201 229	5	0.01	14	1930	20	< 2	2	15	0.12	< 10	< 10	121	< 10	70
100S 0300W	201 229	3	0.08	15	1040	16	< 2	3	24	0.27	< 10	< 10	100	< 10	80
100S 0325W	201 229	3	0.04	13	440	6	< 2	3	17	0.43	< 10	< 10	131	< 10	40
100S 0350W	201 229	6	0.01	24	860	12	< 2	3	34	0.14	< 10	< 10	84	< 10	126
100S 0375W	217 229	1	0.08	7	760	4	< 2	2	112	0.17	< 10	< 10	26	< 10	36
100S 0400W	217 229	< 1	0.10	7	840	< 2	< 2	3	71	0.25	< 10	< 10	36	< 10	38
100S 0425W	201 229	4	0.01	11	650	14	< 2	8	14	0.23	< 10	< 10	247	< 10	66
100S 0450W	217 229	4	0.08	26	810	20	< 2	6	27	0.15	< 10	< 10	99	< 10	140
100S 0475W	201 229	3	0.02	11	260	8	< 2	4	14	0.18	< 10	< 10	160	< 10	52
100S 0500W	201 229	8	< 0.01	11	1270	22	2	3	11	0.12	< 10	< 10	114	< 10	74
100S 0525W	201 229	6	0.02	12	1230	8	< 2	3	23	0.09	< 10	< 10	138	< 10	54
100S 0550W	217 229	1	0.13	15	1040	8	< 2	2	111	0.14	< 10	< 10	43	< 10	58

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-JEFF
 Comments:

Page Number :3-A
 Total Pages :6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
100S 0575W	217 229	< 5	1.6	0.75	14	60	< 0.5	< 2	0.16	< 0.5	3	11	26	1.96	< 10	1	0.11	< 10	0.09	65
100S 0600W	201 229	< 5	0.8	1.55	10	70	< 0.5	< 2	0.06	0.5	7	16	31	5.95	< 10	< 1	0.05	< 10	0.33	670
100S 0625W	217 229	< 5	1.8	0.84	< 2	180	< 0.5	< 2	0.32	< 0.5	6	11	3	1.49	< 10	1	0.05	< 10	0.38	115
100S 0650W	217 229	< 5	0.6	0.64	< 2	40	< 0.5	< 2	0.11	< 0.5	4	4	3	1.16	< 10	1	0.04	< 10	0.21	65
100S 0675W	217 229	< 5	0.6	0.74	< 2	40	< 0.5	< 2	0.26	< 0.5	8	8	4	2.19	< 10	< 1	0.06	< 10	0.55	150
100S 0700W	217 229	< 5	0.8	0.80	< 2	50	< 0.5	< 2	0.15	< 0.5	6	6	4	1.55	< 10	1	0.05	< 10	0.30	90
200N 0000W	217 229	< 5	0.4	1.07	< 2	70	< 0.5	< 2	0.54	< 0.5	11	11	6	2.42	< 10	< 1	0.12	< 10	0.79	225
200N 0025W	201 229	< 5	1.2	3.45	18	30	0.5	< 2	0.15	0.5	3	19	20	5.07	10	< 1	0.09	30	0.11	275
200N 0050W	217 229	< 5	0.8	0.72	< 2	50	< 0.5	< 2	0.33	0.5	6	7	4	1.37	< 10	< 1	0.10	< 10	0.40	120
200N 0075W	201 229	< 5	0.6	1.34	8	80	< 0.5	< 2	0.17	< 0.5	4	9	20	2.23	< 10	< 1	0.07	< 10	0.38	150
200N 0100W	201 229	< 5	0.4	1.74	10	80	< 0.5	< 2	0.08	< 0.5	3	17	24	2.52	< 10	1	0.05	< 10	0.33	115
200N 0125W	201 229	< 5	1.6	3.33	32	60	< 0.5	< 2	0.03	0.5	4	45	38	9.11	< 10	< 1	0.04	< 10	0.36	255
200N 0150W	201 229	< 5	2.2	0.92	< 2	60	< 0.5	< 2	0.23	0.5	6	9	6	2.18	< 10	< 1	0.09	< 10	0.27	335
200N 0175W	201 229	< 5	0.8	1.37	< 2	50	< 0.5	< 2	0.59	0.5	6	11	21	2.13	< 10	< 1	0.10	< 10	0.42	230
200N 0225W	201 229	< 5	2.2	1.45	22	90	< 0.5	< 2	0.37	< 0.5	4	19	26	3.88	< 10	< 1	0.05	< 10	0.18	175
200N 0250W	217 229	< 5	0.4	1.63	4	110	< 0.5	< 2	0.50	< 0.5	6	22	13	2.58	< 10	< 1	0.10	< 10	0.56	135
200N 0275W	217 229	< 5	0.4	0.94	< 2	30	< 0.5	< 2	0.40	< 0.5	8	8	5	1.98	< 10	< 1	0.10	< 10	0.58	185
200N 0300W	217 229	20	1.0	1.52	4	60	< 0.5	< 2	0.66	< 0.5	11	16	9	3.04	< 10	< 1	0.13	< 10	0.79	260
200N 0325W	201 229	10	0.4	2.39	4	90	< 0.5	< 2	0.04	< 0.5	4	15	21	4.04	< 10	1	0.04	< 10	0.34	310
200N 0375W	201 229	< 5	< 0.2	2.04	52	120	< 0.5	< 2	0.37	1.0	21	24	54	5.31	< 10	< 1	0.07	< 10	0.83	2240
200N 0400W	201 229	< 5	0.2	2.19	66	130	< 0.5	< 2	0.49	0.5	20	25	50	5.28	< 10	< 1	0.08	< 10	0.81	2650
200N 0425W	201 229	< 5	1.2	2.24	40	120	< 0.5	< 2	0.24	0.5	11	22	37	4.75	< 10	< 1	0.06	< 10	0.78	605
200N 0450W	217 229	< 5	2.2	1.88	< 2	170	< 0.5	< 2	0.47	0.5	12	17	34	3.70	< 10	< 1	0.11	< 10	0.73	395
200N 0475W	201 229	< 5	< 0.2	1.85	10	100	< 0.5	< 2	0.13	< 0.5	10	13	43	6.07	< 10	< 1	0.06	< 10	0.37	580
200N 0500W	201 229	< 5	0.2	2.23	8	100	< 0.5	< 2	0.29	< 0.5	8	19	27	6.66	< 10	< 1	0.08	< 10	0.54	610
200N 0525W	201 229	< 5	0.2	1.06	26	80	< 0.5	< 2	0.07	< 0.5	5	9	18	4.99	< 10	< 1	0.07	< 10	0.16	270
200N 0550W	201 229	< 5	< 0.2	0.78	2	60	< 0.5	< 2	0.07	< 0.5	2	7	8	2.61	< 10	< 1	0.05	10	0.10	65
200N 0575W	201 229	< 5	0.4	1.24	< 2	60	< 0.5	< 2	0.26	< 0.5	7	10	15	4.20	< 10	< 1	0.08	< 10	0.40	215
200N 0600W	201 229	< 5	0.2	1.82	10	50	< 0.5	< 2	0.95	< 0.5	14	14	30	4.14	< 10	< 1	0.07	< 10	0.89	1900
200N 0625W	201 229	< 5	1.4	2.29	32	60	< 0.5	< 2	0.25	< 0.5	4	12	18	4.56	< 10	1	0.07	< 10	0.69	210
200N 0650W	217 229	< 5	0.4	2.19	66	70	< 0.5	< 2	0.10	< 0.5	4	32	37	5.24	< 10	< 1	0.10	< 10	0.64	230
200N 0675W	201 229	< 5	< 0.2	3.04	12	130	< 0.5	< 2	0.28	< 0.5	22	9	59	6.82	< 10	< 1	0.06	< 10	0.91	1810
200N 0700W	201 229	< 5	0.2	1.24	< 2	60	< 0.5	< 2	0.07	< 0.5	4	7	21	4.78	< 10	< 1	0.06	< 10	0.16	140
300N 0000W	217 229	< 5	0.6	0.73	16	250	< 0.5	< 2	1.29	3.0	4	7	16	2.45	< 10	1	0.02	< 10	0.06	300
300N 0025W	217 229	< 5	0.6	1.78	12	100	< 0.5	< 2	0.41	< 0.5	7	30	19	3.71	< 10	< 1	0.14	< 10	0.90	195
300N 0050W	201 229	< 5	0.2	3.11	34	40	< 0.5	10	0.10	< 0.5	5	27	41	5.11	< 10	< 1	0.05	< 10	1.29	485
300N 0075W	201 229	< 5	2.8	3.31	50	40	< 0.5	< 2	0.04	0.5	6	44	53	7.13	< 10	< 1	0.07	< 10	0.27	345
300N 0100W	201 229	< 5	0.8	3.32	82	90	< 0.5	< 2	0.04	0.5	13	29	125	7.48	< 10	< 1	0.06	< 10	0.35	540
300N 0125W	217 229	< 5	1.8	0.93	< 2	40	< 0.5	< 2	0.16	< 0.5	5	16	9	2.10	< 10	1	0.04	< 10	0.28	90
300N 0150W	201 229	< 5	0.8	6.78	22	40	0.5	< 2	0.04	0.5	16	23	94	5.03	< 10	< 1	0.06	20	0.15	510

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-JEFF
 Comments:

Page Number : 3-B
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : 19425946
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
100S 0575W	217 229	3	0.01	6	860	6	< 2	1	22	0.02	< 10	< 10	77	< 10	34
100S 0600W	201 229	3	< 0.01	11	890	16	< 2	5	7	0.03	< 10	< 10	92	< 10	90
100S 0625W	217 229	1	0.09	8	570	4	< 2	1	55	0.29	< 10	< 10	58	< 10	38
100S 0650W	217 229	< 1	0.04	5	810	< 2	< 2	1	35	0.15	< 10	< 10	25	< 10	44
100S 0675W	217 229	< 1	0.09	10	850	2	< 2	2	51	0.29	< 10	< 10	46	< 10	42
100S 0700W	217 229	< 1	0.06	7	890	2	< 2	2	37	0.19	< 10	< 10	34	< 10	34
200N 0000W	217 229	1	0.21	11	920	2	< 2	3	80	0.30	< 10	< 10	51	< 10	38
200N 0025W	201 229	6	0.02	10	940	20	< 2	2	11	0.15	< 10	< 10	27	< 10	100
200N 0050W	217 229	< 1	0.10	7	1020	2	< 2	1	52	0.17	< 10	< 10	27	< 10	40
200N 0075W	201 229	2	0.06	10	740	6	< 2	3	31	0.08	< 10	< 10	45	< 10	64
200N 0100W	201 229	3	0.02	11	700	6	< 2	4	15	0.03	< 10	< 10	67	< 10	86
200N 0125W	201 229	7	< 0.01	20	1170	20	< 2	4	6	0.09	< 10	< 10	108	< 10	132
200N 0150W	201 229	1	0.05	8	1020	8	< 2	2	34	0.38	< 10	< 10	78	< 10	44
200N 0175W	201 229	1	0.13	9	770	4	< 2	3	56	0.19	< 10	< 10	63	< 10	64
200N 0225W	201 229	4	< 0.01	12	840	8	< 2	3	45	0.22	< 10	< 10	127	< 10	112
200N 0250W	217 229	1	0.08	12	840	6	< 2	3	55	0.16	< 10	< 10	62	< 10	36
200N 0275W	217 229	< 1	0.14	9	880	2	< 2	2	51	0.28	< 10	< 10	43	< 10	34
200N 0300W	217 229	< 1	0.24	12	980	2	< 2	4	71	0.39	< 10	< 10	72	< 10	38
200N 0325W	201 229	2	0.01	4	540	6	< 2	2	9	0.06	< 10	< 10	82	< 10	38
200N 0375W	201 229	2	0.01	22	1370	24	< 2	3	29	0.03	< 10	< 10	54	< 10	158
200N 0400W	201 229	3	0.03	22	1540	20	< 2	3	39	0.04	< 10	< 10	59	< 10	154
200N 0425W	201 229	1	0.07	17	1110	18	< 2	3	28	0.10	< 10	< 10	71	< 10	92
200N 0450W	217 229	1	0.19	12	820	10	< 2	4	52	0.31	< 10	< 10	93	< 10	48
200N 0475W	201 229	3	< 0.01	6	1310	8	< 2	3	8	0.19	< 10	< 10	128	< 10	72
200N 0500W	201 229	3	0.11	11	890	14	< 2	4	31	0.18	< 10	< 10	110	< 10	64
200N 0525W	201 229	3	0.02	6	1710	6	< 2	3	23	0.11	< 10	< 10	90	< 10	44
200N 0550W	201 229	< 1	0.02	2	200	< 2	< 2	1	14	0.06	< 10	< 10	77	< 10	18
200N 0575W	201 229	< 1	0.09	7	590	8	< 2	4	28	0.25	< 10	< 10	126	< 10	34
200N 0600W	201 229	1	0.07	11	1370	8	< 2	6	44	0.10	< 10	< 10	90	< 10	84
200N 0625W	201 229	1	0.05	10	840	12	< 2	3	30	0.26	< 10	< 10	102	< 10	62
200N 0650W	217 229	< 1	0.01	14	660	8	< 2	2	14	0.05	< 10	< 10	70	< 10	62
200N 0675W	201 229	1	< 0.01	9	1720	6	< 2	8	11	< 0.01	< 10	< 10	80	< 10	104
200N 0700W	201 229	1	0.02	3	330	2	< 2	4	10	0.10	< 10	< 10	121	< 10	24
300N 0000W	217 229	15	0.01	7	1750	2	< 2	< 1	65	0.01	< 10	< 10	23	< 10	48
300N 0025W	217 229	2	0.14	13	1010	10	< 2	3	44	0.23	< 10	< 10	92	< 10	56
300N 0050W	201 229	1	0.02	16	1730	20	< 2	3	9	0.02	< 10	< 10	44	< 10	108
300N 0075W	201 229	6	< 0.01	20	2270	18	< 2	3	7	0.07	< 10	< 10	89	< 10	104
300N 0100W	201 229	3	< 0.01	21	1540	22	4	4	3	0.04	< 10	< 10	68	< 10	144
300N 0125W	217 229	1	0.04	7	860	2	< 2	2	29	0.17	< 10	< 10	58	< 10	22
300N 0150W	201 229	4	0.04	18	610	24	6	5	3	0.08	< 10	< 10	15	< 10	124

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 4-A
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account : BJSJ

Project : #134-JEFF
 Comments:

CERTIFICATE OF ANALYSIS A9425946

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
300N 0175W	217 229	< 5	0.4	0.22	< 2	40	< 0.5	< 2	1.07	1.0	1	2	8	0.28	< 10	< 1	0.03	< 10	0.11	75
300N 0200W	217 229	20	0.6	2.66	6	150	0.5	< 2	0.40	2.5	17	30	55	4.53	< 10	< 1	0.10	10	0.50	2810
300N 0225W	217 229	< 5	2.2	3.25	< 2	250	1.0	< 2	2.64	7.0	14	24	62	2.02	< 10	< 1	0.06	40	0.40	8390
300N 0250W	201 229	< 5	1.6	4.88	18	40	< 0.5	< 2	0.06	0.5	3	74	25	6.61	10	< 1	0.04	< 10	0.23	285
300N 0275W	201 229	< 5	1.2	4.10	28	50	< 0.5	< 2	0.05	0.5	5	42	39	8.78	30	< 1	0.03	< 10	0.26	210
300N 0300W	201 229	< 5	2.4	2.79	14	230	< 0.5	< 2	0.03	0.5	7	26	38	6.55	10	< 1	0.03	10	0.21	350
300N 0325W	201 229	< 5	0.8	4.04	22	340	1.0	< 2	0.07	0.5	21	32	106	6.49	10	< 1	0.07	40	0.50	1195
300N 0350W	201 229	< 5	< 0.2	2.53	14	240	0.5	< 2	0.28	0.5	13	22	55	4.41	10	< 1	0.05	10	0.63	720
300N 0375W	217 229	< 5	< 0.2	2.17	16	220	0.5	< 2	0.30	1.0	17	33	127	4.60	< 10	< 1	0.19	10	0.69	1315
300N 0400W	201 229	< 5	0.2	1.94	20	70	< 0.5	< 2	0.13	0.5	14	21	43	4.91	< 10	< 1	0.07	< 10	0.56	1085
300N 0425W	201 229	15	0.8	1.40	24	60	< 0.5	< 2	0.07	< 0.5	6	19	24	3.86	10	< 1	0.04	< 10	0.26	315
300N 0450W	201 229	< 5	1.0	1.10	2	50	< 0.5	< 2	0.39	< 0.5	9	17	9	2.82	< 10	< 1	0.07	< 10	0.58	270
300N 0475W	201 229	< 5	0.8	1.86	26	110	< 0.5	< 2	0.39	< 0.5	6	22	21	4.19	< 10	< 1	0.07	< 10	0.53	275
300N 0525W	201 229	< 5	0.4	2.63	20	40	< 0.5	< 2	0.03	< 0.5	12	21	86	8.45	< 10	1	0.02	< 10	0.15	220
300N 0550W	201 229	< 5	0.2	1.54	22	60	< 0.5	< 2	0.06	< 0.5	13	15	63	6.75	< 10	< 1	0.05	< 10	0.15	300
300N 0575W	201 229	90	1.2	2.82	64	410	0.5	< 2	0.06	< 0.5	10	21	152	5.11	< 10	< 1	0.03	< 10	0.75	650
300N 0600W	201 229	25	< 0.2	1.62	< 2	1190	< 0.5	< 2	0.64	0.5	13	8	42	3.95	< 10	< 1	0.10	< 10	0.80	820
300N 0625W	201 229	< 5	0.4	2.42	36	60	< 0.5	< 2	0.09	< 0.5	8	70	26	7.46	10	< 1	0.03	< 10	0.76	205
300N 0650W	201 229	< 5	0.2	1.43	< 2	40	< 0.5	< 2	0.08	< 0.5	1	8	4	1.91	10	< 1	0.06	< 10	0.09	80
300N 0675W	217 229	< 5	0.8	0.72	< 2	170	< 0.5	< 2	0.20	< 0.5	6	6	6	1.68	< 10	< 1	0.12	< 10	0.32	125
300N 0700W	217 229	< 5	0.8	0.52	< 2	150	< 0.5	< 2	0.29	< 0.5	4	6	7	1.09	< 10	1	0.11	< 10	0.31	155
400N 0350W	201 229	< 5	0.4	1.39	< 2	110	< 0.5	< 2	0.27	< 0.5	8	13	18	4.01	10	< 1	0.05	< 10	0.47	420
400N 0400W	217 229	< 5	0.2	1.70	< 2	200	< 0.5	< 2	0.91	< 0.5	19	16	33	4.03	< 10	< 1	0.13	< 10	1.07	1880
400N 0425W	201 229	< 5	0.4	1.33	< 2	110	< 0.5	< 2	0.27	< 0.5	7	17	13	4.35	10	< 1	0.04	< 10	0.44	455
400N 0450W	201 229	< 5	0.2	2.16	24	140	0.5	< 2	1.12	1.0	16	24	75	4.45	< 10	< 1	0.07	< 10	0.81	1570
400N 0475W	217 229	< 5	0.8	0.46	< 2	20	< 0.5	< 2	0.35	< 0.5	2	4	6	0.82	< 10	2	0.07	< 10	0.15	90
400N 0500W	217 229	< 5	1.4	1.68	< 2	70	< 0.5	< 2	0.87	< 0.5	9	9	9	3.15	< 10	< 1	0.09	< 10	0.65	210
400N 0525W	217 229	< 5	0.6	0.60	6	30	< 0.5	< 2	0.21	< 0.5	3	20	9	1.89	10	< 1	0.06	< 10	0.14	160
400N 0550W	217 229	< 5	0.4	1.27	6	50	< 0.5	< 2	0.16	< 0.5	5	22	8	4.29	< 10	< 1	0.12	10	0.25	1495
400N 0575W	217 229	< 5	0.6	0.90	2	30	< 0.5	< 2	0.34	< 0.5	9	16	9	2.89	< 10	< 1	0.08	< 10	0.69	285
400N 0600W	217 229	< 5	0.6	2.26	48	90	< 0.5	< 2	0.23	< 0.5	8	20	8	5.59	< 10	< 1	0.10	10	0.48	1500
400N 0625W	201 229	< 5	1.6	6.57	32	40	1.0	< 2	0.15	0.5	4	24	15	6.98	20	< 1	0.05	10	0.28	295
400N 0650W	201 229	< 5	0.6	1.59	6	30	< 0.5	< 2	0.15	< 0.5	7	11	38	3.93	10	< 1	0.04	< 10	0.22	145
400N 0675W	201 229	15	1.4	4.64	20	50	0.5	< 2	0.06	< 0.5	16	27	123	7.66	< 10	< 1	0.04	10	0.47	335
400N 0700W	201 229	< 5	1.8	2.32	2	70	< 0.5	< 2	0.26	0.5	4	16	20	4.73	20	< 1	0.06	10	0.27	250
500N 0325W	201 229	< 5	1.2	1.15	6	40	< 0.5	< 2	0.15	< 0.5	5	18	10	4.96	20	< 1	0.04	< 10	0.29	150
500N 0350W	201 229	< 5	0.6	2.43	16	170	0.5	< 2	0.14	< 0.5	10	18	106	6.54	< 10	< 1	0.05	< 10	0.57	605
500N 0375W	201 229	< 5	2.0	1.45	4	150	< 0.5	< 2	0.08	< 0.5	3	11	44	3.65	< 10	< 1	0.04	< 10	0.23	195
500N 0400W	201 229	25	0.4	1.53	< 2	110	< 0.5	< 2	0.15	< 0.5	9	8	30	3.60	< 10	< 1	0.04	< 10	0.61	530
500N 0425W	201 229	< 5	0.6	2.38	2	80	< 0.5	16	1.17	< 0.5	18	14	9	4.82	< 10	< 1	0.22	< 10	1.65	675

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-JEFF
 Comments:

Page Number : 4-B
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
300N 0175W	217 229	< 1	0.02	3	490	< 2	< 2	< 1	129	0.03	< 10	< 10	8	< 10	38
300N 0200W	217 229	2	0.01	41	1200	16	4	3	46	0.10	< 10	< 10	48	< 10	314
300N 0225W	217 229	6	0.08	33	1710	4	< 2	1	209	0.11	< 10	< 10	33	< 10	130
300N 0250W	201 229	6	0.01	20	450	18	< 2	4	9	0.07	< 10	< 10	80	< 10	144
300N 0275W	201 229	7	< 0.01	17	450	18	< 2	3	6	0.17	< 10	< 10	67	< 10	126
300N 0300W	201 229	6	< 0.01	10	620	14	6	4	7	0.10	< 10	< 10	99	< 10	122
300N 0325W	201 229	6	< 0.01	27	820	14	2	9	7	0.08	< 10	< 10	92	< 10	198
300N 0350W	201 229	1	0.03	24	710	18	< 2	4	30	0.06	< 10	< 10	62	< 10	188
300N 0375W	217 229	1	0.02	24	1400	16	< 2	3	24	0.05	< 10	< 10	57	< 10	152
300N 0400W	201 229	2	0.02	19	1360	18	< 2	2	12	0.06	< 10	< 10	62	< 10	140
300N 0425W	201 229	4	0.01	11	460	12	2	3	11	0.21	< 10	< 10	161	< 10	68
300N 0450W	201 229	1	0.13	12	560	6	4	4	36	0.37	< 10	< 10	117	< 10	46
300N 0475W	201 229	2	0.06	13	810	14	< 2	3	43	0.10	< 10	< 10	66	< 10	60
300N 0525W	201 229	1	< 0.01	11	1390	18	< 2	6	6	0.07	< 10	< 10	75	< 10	76
300N 0550W	201 229	2	0.01	11	1540	16	< 2	6	14	0.02	< 10	< 10	101	< 10	76
300N 0575W	201 229	3	< 0.01	16	1120	20	2	4	7	0.02	< 10	< 10	51	< 10	106
300N 0600W	201 229	1	0.15	11	1200	6	< 2	3	148	0.23	< 10	< 10	69	< 10	62
300N 0625W	201 229	2	0.02	19	760	32	4	6	11	0.33	< 10	< 10	292	< 10	46
300N 0650W	201 229	< 1	< 0.01	2	160	6	< 2	1	5	0.31	< 10	< 10	93	< 10	10
300N 0675W	217 229	< 1	0.07	7	690	4	2	2	48	0.25	< 10	< 10	37	< 10	16
300N 0700W	217 229	< 1	0.07	5	900	4	< 2	1	49	0.15	< 10	< 10	23	< 10	18
400N 0350W	201 229	< 1	0.08	7	830	8	4	2	25	0.27	< 10	< 10	111	< 10	52
400N 0400W	217 229	< 1	0.23	15	1600	12	< 2	5	73	0.32	< 10	< 10	83	< 10	82
400N 0425W	201 229	< 1	0.08	7	830	10	< 2	2	25	0.36	< 10	< 10	128	< 10	50
400N 0450W	201 229	3	0.02	32	1370	18	< 2	3	71	0.05	< 10	< 10	47	< 10	212
400N 0475W	217 229	1	0.02	3	1150	4	< 2	1	29	0.11	< 10	< 10	16	< 10	40
400N 0500W	217 229	1	0.20	12	1240	8	2	4	85	0.37	< 10	< 10	59	< 10	60
400N 0525W	217 229	6	0.03	10	600	6	< 2	2	24	0.24	< 10	< 10	108	< 10	148
400N 0550W	217 229	4	0.01	4	1270	32	< 2	1	11	0.13	< 10	< 10	76	< 10	58
400N 0575W	217 229	2	0.13	11	1140	4	2	2	33	0.28	< 10	< 10	64	< 10	46
400N 0600W	217 229	4	0.08	7	980	18	< 2	2	22	0.10	< 10	< 10	70	< 10	62
400N 0625W	201 229	4	0.08	10	670	32	4	4	14	0.16	< 10	< 10	44	< 10	92
400N 0650W	201 229	1	0.05	8	460	6	2	2	15	0.15	< 10	< 10	94	< 10	38
400N 0675W	201 229	4	0.01	22	1030	28	< 2	8	7	0.10	< 10	< 10	70	< 10	140
400N 0700W	201 229	3	0.06	7	780	14	2	2	28	0.25	< 10	< 10	64	< 10	40
500N 0325W	201 229	4	0.06	10	680	6	4	2	19	0.27	< 10	< 10	114	< 10	46
500N 0350W	201 229	3	< 0.01	17	2670	14	< 2	3	10	0.15	< 10	< 10	82	< 10	128
500N 0375W	201 229	2	< 0.01	7	3200	6	< 2	1	8	0.05	< 10	< 10	39	< 10	42
500N 0400W	201 229	1	0.01	7	1430	6	< 2	1	9	0.09	< 10	< 10	62	< 10	64
500N 0425W	201 229	< 1	0.56	19	1110	14	2	7	102	0.49	< 10	< 10	107	< 10	58

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :5-A
 Total Pages :6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account :BSJ

Project : #134-JEFF
 Comments:

CERTIFICATE OF ANALYSIS A9425946

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
500N 0450W	201	229	< 5	1.8	5.29	30	60	0.5	< 2	0.03	< 0.5	7	39	30	7.85	30	< 1	0.08	10	0.33	900
500N 0475W	217	229	< 5	1.4	2.03	16	90	< 0.5	< 2	0.36	< 0.5	9	39	24	4.68	10	< 1	0.12	< 10	0.76	315
500N 0500W	217	229	< 5	< 0.2	2.21	24	150	< 0.5	< 2	0.54	0.5	13	34	56	4.52	< 10	< 1	0.16	< 10	1.07	915
500N 0525W	217	229	< 5	< 0.2	2.14	30	180	< 0.5	< 2	1.15	1.0	15	29	59	4.18	< 10	< 1	0.14	< 10	0.84	1315
500N 0550W	201	229	< 5	0.6	2.21	62	40	< 0.5	< 2	0.09	< 0.5	10	10	55	5.63	< 10	< 1	0.06	20	0.21	900
500N 0575W	217	229	< 5	0.4	1.40	38	50	< 0.5	< 2	0.27	0.5	10	17	7	3.58	< 10	< 1	0.12	< 10	0.65	730
500N 0600W	201	229	< 5	0.2	1.41	12	60	< 0.5	< 2	0.12	< 0.5	4	6	6	4.65	10	< 1	0.04	10	0.24	275
500N 0625W	201	229	< 5	< 0.2	1.28	8	30	< 0.5	< 2	0.01	< 0.5	3	6	4	1.92	10	< 1	0.03	20	0.07	190
500N 0650W	217	229	< 5	1.2	0.96	< 2	80	< 0.5	< 2	0.56	< 0.5	8	17	7	2.44	< 10	< 1	0.11	< 10	0.61	470
500N 0675W	217	229	< 5	1.8	1.08	< 2	40	< 0.5	< 2	0.32	< 0.5	9	16	7	2.44	< 10	< 1	0.12	< 10	0.57	345
600N 0300W	217	229	< 5	0.2	2.42	< 2	1100	< 0.5	< 2	0.47	< 0.5	28	53	64	6.17	< 10	< 1	0.17	< 10	1.17	2210
600N 0325W	217	229	< 5	0.2	2.69	6	1290	< 0.5	< 2	0.32	0.5	27	41	88	6.27	< 10	< 1	0.17	< 10	1.12	1790
600N 0350W	201	229	< 5	0.2	2.07	6	2170	< 0.5	< 2	0.39	< 0.5	26	26	98	5.20	< 10	< 1	0.09	< 10	0.99	2450
600N 0400W	217	229	< 5	< 0.2	3.04	< 2	1160	< 0.5	< 2	0.47	< 0.5	17	27	51	5.07	< 10	< 1	0.13	< 10	1.85	1790
600N 0475W	217	229	< 5	0.4	2.35	< 2	830	< 0.5	< 2	0.46	< 0.5	27	35	52	5.77	< 10	< 1	0.16	< 10	1.12	1285
600N 0500W	201	229	< 5	0.8	2.98	62	130	0.5	< 2	0.70	1.5	23	29	68	6.21	< 10	< 1	0.11	10	0.89	2150
600N 0525W	201	229	< 5	0.6	2.63	28	140	0.5	< 2	1.11	1.0	21	25	63	5.32	< 10	< 1	0.13	10	1.31	1390
600N 0550W	201	229	< 5	0.6	3.01	50	60	0.5	< 2	0.09	0.5	14	21	135	7.29	< 10	< 1	0.03	< 10	0.46	425
600N 0575W	217	229	< 5	0.4	1.43	26	50	< 0.5	< 2	0.35	< 0.5	8	18	30	3.33	< 10	< 1	0.12	< 10	0.57	260
600N 0600W	217	229	< 5	0.4	1.24	24	40	< 0.5	< 2	0.12	< 0.5	6	17	13	4.87	20	< 1	0.10	< 10	0.19	460
600N 0625W	217	229	< 5	0.2	1.14	6	60	< 0.5	< 2	0.11	< 0.5	3	17	7	2.49	10	< 1	0.11	10	0.09	195
600N 0650W	217	229	< 5	0.2	1.04	< 2	50	< 0.5	< 2	0.43	< 0.5	5	14	8	2.12	< 10	< 1	0.11	< 10	0.30	310
600N 0675W	201	229	< 5	0.4	3.34	12	60	0.5	< 2	0.14	0.5	8	19	10	7.86	10	< 1	0.03	10	0.16	910
600N 0700W	217	229	< 5	< 0.2	1.52	6	90	< 0.5	< 2	0.24	< 0.5	10	22	10	4.15	< 10	< 1	0.14	10	0.24	1670
700N 0550W	201	229	< 5	0.8	2.13	4	80	< 0.5	< 2	0.40	< 0.5	13	15	30	4.79	< 10	< 1	0.08	< 10	0.76	750
700N 0575W	201	229	< 5	0.4	1.98	6	80	< 0.5	< 2	0.22	< 0.5	10	13	30	4.47	< 10	< 1	0.05	< 10	0.48	580
700N 0600W	201	229	< 5	< 0.2	2.47	32	120	< 0.5	< 2	0.43	1.0	15	25	73	5.16	< 10	< 1	0.07	10	1.26	1045
700N 0625W	201	229	< 5	0.6	2.90	52	170	0.5	< 2	0.65	1.0	24	29	91	5.60	< 10	< 1	0.08	10	0.82	2460
700N 0650W	201	229	< 5	2.0	4.14	36	90	< 0.5	< 2	0.04	0.5	30	58	129	8.96	< 10	< 1	0.06	< 10	0.33	2920
700N 0675W	201	229	< 5	0.8	2.40	16	60	< 0.5	< 2	0.21	< 0.5	14	26	79	9.89	10	< 1	0.06	< 10	0.36	960
700N 0700W	201	229	< 5	< 0.2	1.47	30	40	< 0.5	< 2	0.10	< 0.5	8	8	11	4.98	< 10	< 1	0.04	< 10	0.27	310
2200N 025W	201	229	< 5	1.4	1.24	16	100	< 0.5	< 2	0.04	< 0.5	3	24	11	1.97	10	< 1	0.07	10	0.12	135
2200N 050W	217	229	< 5	1.0	1.07	< 2	70	< 0.5	< 2	0.20	< 0.5	6	39	7	1.85	< 10	< 1	0.07	< 10	0.36	145
2200N 075W	201	229	< 5	1.0	1.27	4	60	< 0.5	< 2	0.32	< 0.5	8	18	12	2.63	10	< 1	0.07	10	0.53	215
2200N 100W	217	229	< 5	2.2	1.86	36	110	< 0.5	< 2	0.09	< 0.5	3	28	13	5.58	40	< 1	0.05	10	0.14	310
2200N 000E	201	229	< 5	0.8	2.23	20	120	< 0.5	< 2	0.08	< 0.5	7	23	43	4.76	10	< 1	0.04	< 10	0.30	130
2200N 025E	217	229	< 5	1.4	0.84	< 2	40	< 0.5	< 2	0.55	< 0.5	8	9	8	2.05	< 10	< 1	0.10	< 10	0.62	200
2200N 050E	201	229	< 5	0.4	2.33	56	60	< 0.5	< 2	0.20	0.5	20	9	14	7.97	< 10	< 1	0.03	10	1.10	1335
2200N 075E	201	229	< 5	0.4	1.78	26	150	0.5	< 2	1.83	1.5	19	8	23	5.38	< 10	< 1	0.04	10	1.12	2170
2200N 100E	217	229	< 5	0.2	0.68	< 2	60	< 0.5	< 2	1.21	0.5	4	7	8	1.20	< 10	< 1	0.08	< 10	0.16	610

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-JEFF
 Comments:

Page Number :5-B
 Total Pages :6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
500N 0450W	201 229	11	0.01	20	3520	22	2	5	5	0.14	< 10	< 10	68	< 10	122
500N 0475W	217 229	8	0.16	24	710	10	2	5	43	0.28	< 10	< 10	136	< 10	82
500N 0500W	217 229	< 1	0.02	26	1190	14	< 2	4	41	0.02	< 10	< 10	51	< 10	144
500N 0525W	217 229	1	0.04	26	1170	16	< 2	3	81	0.04	< 10	< 10	47	< 10	180
500N 0550W	201 229	4	< 0.01	8	2150	26	< 2	4	7	0.01	< 10	< 10	43	< 10	86
500N 0575W	217 229	2	0.10	9	970	16	2	2	26	0.17	< 10	< 10	58	< 10	58
500N 0600W	201 229	3	0.04	4	370	6	< 2	2	18	0.07	< 10	< 10	81	< 10	52
500N 0625W	201 229	2	0.01	2	160	4	< 2	1	5	0.05	< 10	< 10	87	< 10	28
500N 0650W	217 229	< 1	0.13	10	990	16	< 2	2	57	0.44	< 10	< 10	72	< 10	38
500N 0675W	217 229	1	0.13	9	900	10	< 2	2	34	0.22	< 10	< 10	68	< 10	40
600N 0300W	217 229	3	0.01	18	1770	16	2	4	41	0.03	< 10	< 10	96	< 10	90
600N 0325W	217 229	2	0.01	16	1520	14	4	5	33	0.02	< 10	< 10	113	< 10	88
600N 0350W	201 229	1	0.06	16	1470	16	< 2	4	78	0.06	< 10	< 10	77	< 10	74
600N 0400W	217 229	< 1	0.02	11	1600	8	< 2	4	65	0.02	< 10	< 10	83	< 10	84
600N 0475W	217 229	1	0.04	16	1560	12	4	4	40	0.07	< 10	< 10	95	< 10	92
600N 0500W	201 229	4	0.08	27	2050	32	< 2	5	49	0.08	< 10	< 10	73	< 10	220
600N 0525W	201 229	< 1	0.24	29	1280	24	4	6	89	0.21	< 10	< 10	77	< 10	180
600N 0550W	201 229	2	< 0.01	19	1180	24	6	4	11	0.01	< 10	< 10	47	< 10	120
600N 0575W	217 229	1	0.08	10	1100	8	< 2	3	37	0.19	< 10	< 10	71	< 10	52
600N 0600W	217 229	5	0.04	6	550	4	4	3	16	0.12	< 10	< 10	141	< 10	78
600N 0625W	217 229	2	0.01	3	450	8	< 2	1	12	0.04	< 10	< 10	76	< 10	46
600N 0650W	217 229	1	0.10	5	710	4	< 2	2	35	0.14	< 10	< 10	63	< 10	48
600N 0675W	201 229	6	0.01	7	1230	40	< 2	2	10	0.20	< 10	< 10	108	< 10	96
600N 0700W	217 229	2	0.01	4	1110	26	2	1	13	0.06	< 10	< 10	48	< 10	90
700N 0550W	201 229	< 1	0.12	11	2790	6	< 2	3	31	0.13	< 10	< 10	85	< 10	58
700N 0575W	201 229	1	0.04	8	3130	14	< 2	2	17	0.06	< 10	< 10	69	< 10	50
700N 0600W	201 229	1	0.01	33	1400	16	< 2	3	33	0.01	< 10	< 10	49	< 10	230
700N 0625W	201 229	3	0.01	28	1840	28	< 2	4	48	0.03	< 10	< 10	58	< 10	232
700N 0650W	201 229	8	< 0.01	31	1210	28	< 2	10	15	0.04	< 10	< 10	86	< 10	268
700N 0675W	201 229	3	0.07	11	1320	8	< 2	7	23	0.15	< 10	< 10	147	< 10	66
700N 0700W	201 229	< 1	0.03	6	1320	4	< 2	3	12	0.07	< 10	< 10	105	< 10	36
2200N 025W	201 229	3	0.01	7	410	6	< 2	1	11	0.10	< 10	< 10	101	< 10	32
2200N 050W	217 229	1	0.09	9	640	4	< 2	2	36	0.26	< 10	< 10	90	< 10	40
2200N 075W	201 229	2	0.15	12	370	10	< 2	3	31	0.23	< 10	< 10	101	< 10	56
2200N 100W	217 229	4	0.03	8	580	22	< 2	2	17	0.39	< 10	< 10	133	< 10	42
2200N 000E	201 229	3	0.04	16	610	14	< 2	3	9	0.08	< 10	< 10	140	< 10	56
2200N 025E	217 229	< 1	0.17	9	1080	6	2	2	46	0.28	< 10	< 10	47	< 10	50
2200N 050E	201 229	6	0.02	7	2350	14	< 2	5	15	0.05	< 10	< 10	63	< 10	112
2200N 075E	201 229	4	0.07	19	2090	8	< 2	7	95	0.07	< 10	< 10	44	< 10	236
2200N 100E	217 229	3	0.05	7	1300	2	< 2	1	66	0.16	< 10	< 10	22	< 10	62

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-JEFF
 Comments:

Page Number : 6-A
 Total Pages : 6
 Certificate Date: 26-SEP-94
 Invoice No. : 19425946
 P.O. Number :
 Account : BJSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
2200N 125E	201 229	< 5	0.8	3.09	32	90	0.5	< 2	0.39	< 0.5	39	13	25	8.92	< 10	< 1	0.06	10	0.81	4640
2200N 150E	201 229	< 5	0.2	3.24	70	140	0.5	< 2	0.62	1.0	51	9	45	10.70	< 10	< 1	0.02	20	1.18	3620
2200N 175E	201 229	< 5	0.4	3.50	72	110	0.5	< 2	1.37	0.5	38	12	27	9.68	< 10	< 1	0.03	10	0.71	2350
2200N 200E	201 229	< 5	1.2	2.79	54	30	< 0.5	< 2	0.06	0.5	9	15	17	12.30	10	< 1	0.02	< 10	0.59	315
2200N 225E	217 229	< 5	0.6	0.41	< 2	30	< 0.5	< 2	0.33	< 0.5	2	5	6	0.75	< 10	1	0.08	< 10	0.08	175
2200N 250E	217 229	< 5	0.6	0.63	< 2	40	< 0.5	< 2	0.32	0.5	6	17	7	2.21	< 10	< 1	0.09	< 10	0.36	810
2200N 275E	201 229	< 5	1.0	1.14	42	30	< 0.5	< 2	0.03	< 0.5	3	9	16	5.70	< 10	< 1	0.02	10	0.03	110
2200N 300E	217 229	< 5	1.0	2.52	< 2	30	0.5	< 2	0.11	< 0.5	3	19	22	0.71	< 10	< 1	0.03	10	0.05	20
2200N 325E	217 229	< 5	1.0	0.50	6	60	< 0.5	< 2	0.23	< 0.5	4	28	4	1.62	< 10	< 1	0.08	< 10	0.22	105
2200N 350E	217 229	< 5	0.6	0.74	6	60	< 0.5	< 2	0.11	< 0.5	6	24	8	2.18	< 10	< 1	0.07	< 10	0.14	75
2200N 375E	217 229	< 5	1.4	1.28	< 2	40	< 0.5	< 2	0.30	0.5	6	12	7	2.78	< 10	< 1	0.07	< 10	0.51	365
2200N 400E	217 229	< 5	0.8	2.03	< 2	80	< 0.5	< 2	0.39	0.5	8	15	10	4.05	< 10	< 1	0.07	< 10	0.67	730
2200N 425E	201 229	< 5	0.6	1.54	6	40	< 0.5	< 2	0.08	< 0.5	7	11	11	5.78	10	< 1	0.03	< 10	0.36	225
2200N 450E	201 229	< 5	1.4	3.14	20	40	< 0.5	< 2	0.02	< 0.5	4	46	27	7.64	10	< 1	0.03	< 10	0.28	240
2200N 475E	217 229	< 5	0.6	1.16	< 2	60	< 0.5	< 2	0.67	< 0.5	8	11	4	1.97	< 10	< 1	0.13	< 10	0.70	285
2200N 500E	201 229	< 5	0.4	3.22	8	60	< 0.5	2	0.44	< 0.5	34	8	28	6.61	< 10	< 1	0.02	20	1.26	1740

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-JEFF
 Comments:

Page Number :6-B
 Total Pages :6
 Certificate Date: 26-SEP-94
 Invoice No. : I9425946
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9425946

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2200N 125E	201 229	6	0.07	11	3090	26	< 2	6	25	0.08	< 10	< 10	78	< 10	166
2200N 150E	201 229	9	0.01	12	2430	26	4	16	29	0.01	< 10	< 10	62	< 10	256
2200N 175E	201 229	10	0.05	12	2130	32	2	13	67	0.06	< 10	< 10	59	< 10	258
2200N 200E	201 229	8	0.01	6	990	24	< 2	3	8	0.21	< 10	< 10	112	10	106
2200N 225E	217 229	< 1	0.02	3	1170	6	< 2	1	21	0.08	< 10	< 10	12	< 10	42
2200N 250E	217 229	2	0.08	8	1060	2	< 2	2	23	0.25	< 10	< 10	57	< 10	34
2200N 275E	201 229	30	0.01	3	850	6	2	1	4	0.07	< 10	< 10	67	< 10	44
2200N 300E	217 229	1	0.01	4	2810	12	< 2	< 1	11	0.01	< 10	< 10	12	< 10	26
2200N 325E	217 229	5	0.06	4	950	6	< 2	1	27	0.11	< 10	< 10	23	< 10	28
2200N 350E	217 229	2	0.04	3	710	6	2	1	14	0.04	< 10	< 10	44	< 10	34
2200N 375E	217 229	1	0.06	5	1100	2	< 2	7	43	0.11	< 10	< 10	56	< 10	54
2200N 400E	217 229	< 1	0.05	6	1610	6	< 2	6	42	0.10	< 10	< 10	66	< 10	106
2200N 425E	201 229	5	0.03	7	1490	14	2	3	15	0.08	< 10	< 10	131	< 10	66
2200N 450E	201 229	9	< 0.01	19	800	32	2	4	4	0.10	< 10	< 10	136	< 10	180
2200N 475E	217 229	< 1	0.25	10	850	2	< 2	3	85	0.26	< 10	< 10	44	< 10	32
2200N 500E	201 229	5	0.01	6	2230	34	2	9	33	0.01	< 10	< 10	65	< 10	132

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

G. GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

A9425963

Comments:

134. 041.009

CERTIFICATE

A9425963

(BSJ) - GRANGES INC.

Project: #134-J
P.O. #:

Jeff Grid / Soils

Samples submitted to our lab in Vancouver, BC.
is report was printed on 26-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	132	Dry, sieve to -80 mesh
203	4	Dry, sieve to -35 mesh
205	4	Geochem ring to approx 150 mesh
229	136	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	136	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	136	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	136	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	136	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	136	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	136	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	136	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	136	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	136	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	136	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	136	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	136	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	136	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	136	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	136	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	136	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	136	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	136	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	136	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	136	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	136	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	136	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	136	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	136	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	136	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	136	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	136	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	136	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	136	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	136	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	136	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	136	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	136	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1-A
 Total Pages : 4
 Certificate Date: 26-SEP-94
 Invoice No. : 19425963
 P.O. Number :
 Account : BSJ

Project : #134-J
 Comments:

Jeff Grid / Soils

134.041-009

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
000N 0+25E	201	229	< 5	< 0.2	1.98	18	80	< 0.5	< 2	0.09	< 0.5	5	29	21	4.49	< 10	< 1	0.07	20	0.25	355
000N 0+50E	201	229	< 5	3.2	1.91	18	60	< 0.5	< 2	0.01	< 0.5	3	18	43	3.71	< 10	< 1	0.04	< 10	0.15	70
000N 0+75E	201	229	< 5	0.4	2.20	16	50	< 0.5	< 2	0.14	< 0.5	5	35	30	7.00	< 10	< 1	0.07	10	0.29	440
000N 1+00E	201	229	< 5	0.2	0.86	24	50	< 0.5	< 2	0.26	< 0.5	4	14	29	2.85	< 10	< 1	0.11	< 10	0.18	230
000N 1+75E	201	229	< 5	1.8	3.52	38	30	< 0.5	< 2	0.35	0.5	6	39	35	9.40	< 10	< 1	0.01	< 10	0.91	445
000N 2+00E	201	229	< 5	1.8	2.38	52	130	< 0.5	< 2	0.18	< 0.5	9	28	25	7.00	< 10	< 1	0.03	< 10	0.74	950
000N 2+25E	201	229	< 5	1.6	6.09	26	50	< 0.5	< 2	0.20	< 0.5	4	79	55	5.68	< 10	< 1	0.03	< 10	0.53	320
000N 2+50E	201	229	< 5	0.6	3.04	28	100	< 0.5	< 2	0.50	< 0.5	17	53	36	6.09	< 10	1	0.07	< 10	1.15	580
000N 2+75E	201	229	< 5	0.4	3.06	28	130	< 0.5	2	0.29	0.5	32	79	31	8.14	< 10	< 1	0.02	< 10	1.00	2020
000N 3+00E	201	229	< 5	1.2	3.90	16	30	0.5	< 2	0.13	0.5	4	24	24	7.56	< 10	< 1	0.02	< 10	0.55	430
000N 3+25E	201	229	< 5	0.8	4.86	32	80	1.0	< 2	0.12	0.5	11	31	25	5.43	< 10	< 1	0.06	20	0.79	1280
000N 3+50E	201	229	< 5	0.2	1.85	14	100	0.5	< 2	0.26	0.5	4	11	17	6.80	< 10	< 1	0.04	10	0.21	240
000N 3+75E	201	229	< 5	1.2	4.86	32	120	1.5	< 2	1.27	4.5	14	28	23	4.69	< 10	< 1	0.06	60	0.57	2700
000N 4+00E	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000N 4+25E	201	229	< 5	0.8	1.59	< 2	90	< 0.5	< 2	0.80	0.5	1	19	13	6.34	< 10	< 1	0.04	20	0.13	245
1+00N 0+25E	203	205	< 5	0.2	2.10	10	110	< 0.5	< 2	1.18	0.5	6	29	33	3.02	< 10	< 1	0.04	10	0.30	625
1+00N 0+50E	203	205	< 5	1.4	2.69	48	120	0.5	< 2	1.21	1.0	13	46	41	8.35	< 10	1	0.02	10	0.43	1965
1+00N 0+75E	201	229	< 5	0.4	1.11	14	110	< 0.5	< 2	0.12	< 0.5	1	18	11	1.98	< 10	< 1	0.05	10	0.18	60
1+00N 1+00E	201	229	< 5	0.6	2.89	14	140	0.5	< 2	0.95	< 0.5	7	35	23	3.02	< 10	< 1	0.04	20	0.66	280
1+00N 1+50E	201	229	< 5	0.8	2.89	16	100	< 0.5	< 2	0.07	0.5	4	36	32	8.14	< 10	< 1	0.03	< 10	0.44	210
1+00N 1+75E	203	205	< 5	0.8	1.32	2	70	< 0.5	< 2	1.03	< 0.5	11	11	8	2.46	< 10	< 1	0.16	< 10	0.88	275
1+00N 3+00E	201	229	< 5	0.2	3.30	14	850	< 0.5	10	0.64	< 0.5	49	73	104	6.60	< 10	< 1	0.03	< 10	1.29	2010
1+00N 3+25E	201	229	< 5	< 0.2	3.70	8	230	< 0.5	< 2	0.30	< 0.5	10	78	57	7.18	< 10	< 1	0.05	10	0.82	455
1+00N 3+50E	201	229	< 5	0.6	4.00	26	50	< 0.5	< 2	0.03	0.5	2	51	24	11.60	< 10	< 1	0.02	< 10	0.24	195
1+00N 3+75E	201	229	< 5	0.2	2.50	22	40	< 0.5	< 2	0.03	0.5	3	37	18	7.24	< 10	< 1	0.03	10	0.50	210
1+00N 4+00E	201	229	< 5	1.0	2.86	16	90	< 0.5	< 2	0.44	0.5	3	25	18	6.17	< 10	< 1	0.02	20	0.26	150
1+00N 4+25E	201	229	< 5	0.8	1.72	18	60	< 0.5	< 2	0.23	0.5	2	19	12	5.66	< 10	< 1	0.04	20	0.23	205
1+00N 4+50E	201	229	< 5	1.2	1.40	16	90	< 0.5	< 2	0.11	< 0.5	3	18	16	5.16	< 10	< 1	0.04	10	0.14	170
1+00N 4+75E	201	229	< 5	5.2	1.33	88	70	< 0.5	< 2	0.09	0.5	2	26	77	11.75	< 10	1	0.04	< 10	0.28	135
1+00S 0+00E	201	229	< 5	0.6	2.91	10	140	< 0.5	< 2	0.03	< 0.5	3	25	51	4.71	< 10	1	0.05	10	0.46	150
1+00S 0+25E	201	229	< 5	0.2	2.53	16	120	< 0.5	< 2	0.82	< 0.5	10	27	64	5.41	< 10	< 1	0.08	< 10	0.62	695
1+00S 0+50E	201	229	< 5	0.4	2.46	24	130	0.5	6	0.86	0.5	30	31	128	5.00	< 10	< 1	0.11	10	1.01	1870
1+00S 1+00E	201	229	< 5	0.2	2.21	24	40	< 0.5	4	0.10	< 0.5	12	23	112	4.97	< 10	< 1	0.08	< 10	0.98	415
1+00S 1+25E	203	205	< 5	< 0.2	2.55	14	110	0.5	< 2	1.64	0.5	19	30	67	4.39	< 10	< 1	0.14	< 10	0.78	1505
1+00S 1+50E	201	229	< 5	0.8	2.10	24	60	< 0.5	< 2	0.13	< 0.5	16	32	62	4.38	< 10	< 1	0.14	< 10	0.56	665
1+00S 2+00E	201	229	< 5	< 0.2	2.88	14	80	< 0.5	26	0.80	< 0.5	34	55	23	6.38	< 10	< 1	0.09	< 10	1.32	1895
1+00S 2+25E	201	229	< 5	0.8	1.91	192	60	< 0.5	< 2	0.20	< 0.5	6	21	25	8.28	< 10	< 1	0.08	10	0.24	635
2+00N 0+25E	201	229	< 5	1.4	3.36	32	70	< 0.5	< 2	0.05	0.5	4	38	29	6.14	< 10	< 1	0.06	< 10	0.46	350
2+00N 1+00E	201	229	< 5	2.2	2.93	32	60	< 0.5	< 2	0.06	< 0.5	4	37	36	9.64	< 10	1	0.04	< 10	0.34	190
2+00N 1+25E	201	229	< 5	1.2	2.30	24	160	< 0.5	< 2	0.52	0.5	8	33	30	7.36	< 10	< 1	0.03	10	0.23	390

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-J
 Comments:

Page Number : 1-B
 Total Pages : 4
 Certificate Date: 26-SEP-94
 Invoice No. : I9425963
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
000N 0+25E	201 229	8	0.01	9	470	34	2	3	14	0.33	< 10	< 10	139	< 10	66
000N 0+50E	201 229	2	< 0.01	10	560	8	< 2	2	6	0.06	< 10	< 10	95	< 10	58
000N 0+75E	201 229	8	< 0.01	13	1990	24	< 2	3	13	0.18	< 10	< 10	101	< 10	112
000N 1+00E	201 229	9	0.02	10	550	8	< 2	2	25	0.10	< 10	< 10	118	< 10	56
000N 1+75E	201 229	14	< 0.01	17	1170	8	< 2	4	19	0.22	< 10	< 10	100	< 10	134
000N 2+00E	201 229	18	0.03	22	1180	10	4	3	24	0.15	< 10	< 10	97	< 10	162
000N 2+25E	201 229	3	< 0.01	18	1190	12	< 2	9	8	0.10	< 10	< 10	60	< 10	78
000N 2+50E	201 229	4	0.11	21	1150	8	< 2	9	36	0.36	< 10	< 10	169	< 10	84
000N 2+75E	201 229	9	0.01	21	1130	14	< 2	8	14	0.18	< 10	< 10	161	< 10	116
000N 3+00E	201 229	14	< 0.01	11	880	26	< 2	4	8	0.22	< 10	< 10	85	< 10	152
000N 3+25E	201 229	21	0.01	68	510	26	< 2	7	9	0.18	< 10	< 10	76	< 10	838
000N 3+50E	201 229	30	0.01	18	530	22	< 2	2	14	0.25	< 10	< 10	58	< 10	166
000N 3+75E	201 229	26	0.06	42	1180	10	< 2	7	77	0.92	< 10	20	90	< 10	562
000N 4+00E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000N 4+25E	201 229	9	< 0.01	8	630	18	< 2	2	46	0.39	< 10	< 10	110	< 10	138
1+00N 0+25E	203 205	7	0.01	13	1170	12	< 2	4	64	0.06	< 10	< 10	49	< 10	94
1+00N 0+50E	203 205	24	0.01	18	2040	14	< 2	6	65	0.07	< 10	< 10	114	< 10	106
1+00N 0+75E	201 229	14	< 0.01	6	190	12	< 2	2	15	0.11	< 10	< 10	93	< 10	56
1+00N 1+00E	201 229	4	0.01	16	1200	18	4	4	44	0.10	< 10	< 10	62	< 10	126
1+00N 1+50E	201 229	4	< 0.01	18	470	18	< 2	5	9	0.20	< 10	< 10	107	< 10	100
1+00N 1+75E	203 205	< 1	0.29	13	1060	6	< 2	4	76	0.31	< 10	< 10	53	< 10	46
1+00N 3+00E	201 229	2	0.01	38	1390	6	< 2	7	28	0.18	< 10	< 10	151	< 10	82
1+00N 3+25E	201 229	3	< 0.01	24	740	14	< 2	13	15	0.26	< 10	< 10	184	< 10	66
1+00N 3+50E	201 229	5	< 0.01	11	450	20	< 2	5	11	0.19	< 10	< 10	144	< 10	78
1+00N 3+75E	201 229	5	< 0.01	16	310	20	< 2	5	7	0.17	< 10	< 10	112	< 10	76
1+00N 4+00E	201 229	6	< 0.01	9	540	14	< 2	4	24	0.13	< 10	< 10	104	< 10	92
1+00N 4+25E	201 229	8	0.01	9	570	14	< 2	2	18	0.22	< 10	< 10	80	< 10	78
1+00N 4+50E	201 229	8	0.01	9	550	12	< 2	2	15	0.21	< 10	< 10	102	< 10	68
1+00N 4+75E	201 229	34	0.03	10	1530	28	2	2	13	0.07	< 10	< 10	92	< 10	120
1+00S 0+00E	201 229	2	0.01	12	550	14	2	5	8	0.02	< 10	< 10	85	< 10	54
1+00S 0+25E	201 229	3	< 0.01	24	1380	20	< 2	3	56	0.01	< 10	< 10	46	< 10	102
1+00S 0+50E	201 229	2	0.01	43	1460	30	< 2	7	61	0.02	< 10	< 10	38	< 10	140
1+00S 1+00E	201 229	1	< 0.01	25	910	24	< 2	3	11	< 0.01	< 10	< 10	39	< 10	96
1+00S 1+25E	203 205	< 1	0.08	31	1610	12	< 2	5	91	0.10	< 10	< 10	55	< 10	128
1+00S 1+50E	201 229	2	0.02	27	1500	18	< 2	2	11	0.04	< 10	< 10	52	< 10	56
1+00S 2+00E	201 229	2	0.16	22	1370	12	< 2	7	54	0.36	< 10	< 10	164	< 10	70
1+00S 2+25E	201 229	9	0.01	8	1710	10	< 2	3	12	0.12	< 10	< 10	109	< 10	48
2+00N 0+25E	201 229	13	0.01	29	450	16	2	6	8	0.08	< 10	< 10	84	< 10	232
2+00N 1+00E	201 229	13	< 0.01	15	780	18	< 2	3	7	0.10	< 10	< 10	123	< 10	118
2+00N 1+25E	201 229	13	< 0.01	19	430	20	2	4	34	0.17	< 10	< 10	148	< 10	226

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-J
 Comments:

Page Number : 2-A
 Total Pages : 4
 Certificate Date: 26-SEP-94
 Invoice No. : I9425963
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS A9425963

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
2+00N 1+50E	201 229	< 5	1.0	1.99	40	80	< 0.5	< 2	0.05	< 0.5	4	25	28	5.74	< 10	< 1	0.03	10	0.15	110
2+00N 1+75E	201 229	< 5	1.6	2.09	22	50	< 0.5	< 2	0.02	0.5	2	27	31	7.87	< 10	< 1	0.02	< 10	0.17	175
2+00N 2+00E	201 229	< 5	3.0	2.79	32	60	< 0.5	< 2	0.02	0.5	4	30	48	7.95	< 10	< 1	0.02	< 10	0.32	400
2+00N 2+25E	201 229	< 5	1.8	4.35	40	70	0.5	< 2	0.04	0.5	8	41	44	6.18	< 10	< 1	0.05	10	0.61	405
2+00N 3+00E	201 229	< 5	3.8	3.55	26	110	< 0.5	< 2	0.13	0.5	6	24	19	7.96	< 10	< 1	0.02	< 10	0.91	765
2+00N 3+50E	201 229	< 5	0.6	3.32	22	40	< 0.5	< 2	0.02	0.5	3	33	22	9.44	< 10	< 1	0.03	10	0.21	230
2+00N 3+75E	201 229	< 5	1.2	1.98	30	90	< 0.5	< 2	0.14	0.5	4	30	22	8.82	< 10	< 1	0.07	10	0.24	360
2+00N 4+00E	201 229	< 5	2.0	3.22	26	80	< 0.5	< 2	0.13	0.5	4	33	21	5.79	< 10	< 1	0.06	10	0.51	290
2+00N 4+25E	201 229	< 5	1.6	3.27	26	80	< 0.5	< 2	0.04	0.5	2	35	38	6.68	< 10	< 1	0.03	< 10	0.27	120
3+00N 1+00E	201 229	< 5	0.4	1.90	24	100	0.5	< 2	0.33	1.0	3	22	18	6.08	< 10	< 1	0.07	20	0.39	255
3+00N 1+25E	201 229	< 5	1.2	1.44	42	50	< 0.5	< 2	0.12	0.5	3	23	45	7.01	< 10	1	0.03	< 10	0.14	135
3+00N 1+50E	201 229	< 5	3.8	2.87	34	80	< 0.5	< 2	0.02	0.5	2	47	46	11.80	< 10	< 1	0.02	< 10	0.13	285
3+00N 1+75E	201 229	< 5	5.2	5.03	40	80	< 0.5	< 2	0.03	1.0	3	56	49	10.70	< 10	< 1	0.03	10	0.34	335
3+00N 2+00E	201 229	< 5	2.4	2.05	28	70	< 0.5	< 2	0.04	0.5	6	21	41	6.11	< 10	1	0.03	< 10	0.23	360
3+00N 2+25E	201 229	< 5	3.6	4.11	40	20	0.5	< 2	0.02	0.5	3	32	26	11.10	< 10	1	0.05	30	0.19	765
3+00N 2+50E	201 229	< 5	0.8	2.04	14	70	0.5	< 2	0.54	4.0	5	17	13	4.98	< 10	2	0.04	30	0.12	1365
3+00N 2+75E	201 229	< 5	3.2	3.40	36	60	0.5	< 2	0.11	0.5	2	33	39	6.58	< 10	< 1	0.02	10	0.36	165
3+00N 3+00E	201 229	< 5	1.6	1.91	20	40	< 0.5	< 2	0.07	< 0.5	1	20	14	7.07	< 10	< 1	0.03	10	0.10	165
3+00N 3+25E	201 229	< 5	0.8	1.34	16	40	< 0.5	< 2	0.11	0.5	3	14	25	4.78	< 10	< 1	0.03	< 10	0.09	100
3+00N 3+50E	201 229	< 5	4.8	4.00	22	90	< 0.5	< 2	0.03	0.5	4	42	43	8.43	< 10	1	0.04	10	0.43	305
3+00N 3+75E	201 229	< 5	0.8	2.72	16	80	< 0.5	< 2	0.13	0.5	3	37	26	9.10	< 10	< 1	0.05	10	0.38	400
3+00N 4+00E	201 229	< 5	0.8	3.77	14	60	< 0.5	< 2	0.06	< 0.5	4	36	26	7.66	< 10	< 1	0.04	10	0.29	195
3+00N 4+50E	201 229	< 5	1.4	2.54	16	110	1.0	< 2	0.41	1.5	18	31	33	6.12	< 10	< 1	0.06	20	0.22	935
3+00N 4+75E	201 229	< 5	1.0	3.07	24	100	< 0.5	< 2	0.06	1.0	3	36	25	9.33	< 10	< 1	0.04	10	0.25	235
3+00N 5+00E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
20+00N 2+25E	201 229	< 5	0.4	1.68	28	20	< 0.5	< 2	0.03	< 0.5	2	25	40	10.75	< 10	< 1	0.02	< 10	0.14	100
20+00N 2+75E	201 229	< 5	1.0	1.38	24	70	< 0.5	< 2	0.14	< 0.5	4	11	19	4.88	< 10	1	0.03	10	0.10	210
20+00N 3+00E	201 229	< 5	0.4	1.15	14	30	< 0.5	< 2	0.16	< 0.5	5	14	7	8.30	< 10	< 1	0.03	< 10	0.21	370
20+00N 3+25E	201 229	< 5	0.4	1.82	4	20	< 0.5	< 2	0.08	< 0.5	6	22	14	8.32	< 10	< 1	0.01	< 10	0.18	460
20+00N 3+50E	201 229	< 5	0.8	1.81	12	30	< 0.5	< 2	0.16	< 0.5	14	18	21	9.93	< 10	< 1	0.03	< 10	0.22	820
20+00W 4+00E	201 229	< 5	0.2	1.80	22	100	< 0.5	8	0.81	4.0	12	14	47	5.22	< 10	< 1	0.06	10	1.03	965
20+00W 4+25E	201 229	< 5	0.2	1.75	24	110	< 0.5	6	0.84	4.5	12	14	47	5.03	< 10	< 1	0.06	10	1.00	945
20+00W 4+50E	201 229	< 5	0.2	1.76	16	120	< 0.5	2	0.65	5.5	14	12	46	4.86	< 10	< 1	0.06	10	0.99	1205
21+00N 0+25E	201 229	< 5	6.8	4.08	62	80	0.5	< 2	0.10	1.0	9	32	94	10.45	< 10	< 1	0.11	< 10	0.48	640
21+00N 0+50E	201 229	< 5	1.2	3.56	42	80	0.5	< 2	0.02	< 0.5	7	25	72	7.46	< 10	< 1	0.07	10	0.34	345
21+00N 0+75E	201 229	< 5	1.2	4.40	48	100	0.5	< 2	0.03	< 0.5	15	30	116	10.90	< 10	< 1	0.08	20	0.50	955
21+00N 1+00E	201 229	< 5	2.0	4.26	114	60	< 0.5	< 2	0.27	0.5	7	47	26	8.83	< 10	< 1	0.04	< 10	0.35	740
21+00N 1+25E	201 229	< 5	6.0	4.42	106	110	1.0	< 2	0.03	0.5	14	38	165	9.17	< 10	< 1	0.11	10	0.44	1420
21+00N 1+50E	201 229	< 5	6.2	4.65	84	90	0.5	< 2	0.03	0.5	4	28	97	9.88	< 10	< 1	0.06	10	0.26	325
21+00N 1+75E	201 229	< 5	1.4	1.27	108	40	< 0.5	< 2	0.11	< 0.5	< 1	10	14	10.05	< 10	1	0.02	10	0.03	70

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :2-B
 Total Pages :4
 Certificate Date: 26-SEP-94
 Invoice No. : I9425963
 P.O. Number :
 Account : B5J

Project : #134-J
 Comments:

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2+00N 1+50E	201 229	13 < 0.01		16	930	16 < 2		4	9	0.08	< 10	< 10	135	< 10	118
2+00N 1+75E	201 229	11 < 0.01		10	990	12 < 2		3	6	0.21	< 10	< 10	155	< 10	96
2+00N 2+00E	201 229	21 < 0.01		27	680	24 < 2		5	4	0.03	< 10	< 10	74	< 10	264
2+00N 2+25E	201 229	7 < 0.01		29	540	18 < 2		8	4	0.08	< 10	< 10	75	< 10	240
2+00N 3+00E	201 229	10 < 0.01		11	730	22 < 2		4	14	0.12	< 10	< 10	127	< 10	152
2+00N 3+50E	201 229	10 < 0.01		10	620	18 < 2		5	5	0.21	< 10	< 10	198	< 10	98
2+00N 3+75E	201 229	14 < 0.01		12	490	22 < 2		4	14	0.28	< 10	< 10	222	< 10	88
2+00N 4+00E	201 229	6 < 0.01		14	740	22 < 2		6	11	0.16	< 10	< 10	101	< 10	142
2+00N 4+25E	201 229	11 < 0.01		11	450	18 < 2		6	8	0.10	< 10	< 10	138	< 10	132
3+00N 1+00E	201 229	19 < 0.02		21	910	32 < 2		3	21	0.17	< 10	< 10	71	< 10	304
3+00N 1+25E	201 229	20 < 0.01		17	560	16 < 2		3	11	0.13	< 10	< 10	165	< 10	276
3+00N 1+50E	201 229	19 < 0.01		13	580	28 < 2		3	6	0.15	< 10	< 10	146	< 10	224
3+00N 1+75E	201 229	16 < 0.01		23	800	36 < 2		9	3	0.10	< 10	< 10	92	< 10	234
3+00N 2+00E	201 229	27 < 0.01		41	730	14 < 2		4	4	0.16	< 10	< 10	84	< 10	260
3+00N 2+25E	201 229	22 < 0.02		13	820	18 < 2		5	2	0.17	< 10	< 10	30	< 10	160
3+00N 2+50E	201 229	14 < 0.01		15	950	22 < 2		1	25	0.14	< 10	< 10	44	< 10	450
3+00N 2+75E	201 229	23 < 0.01		22	770	14 < 2		3	11	0.09	< 10	< 10	118	< 10	212
3+00N 3+00E	201 229	12 < 0.02		8	480	14 < 2		1	10	0.24	< 10	< 10	82	< 10	68
3+00N 3+25E	201 229	12 < 0.01		9	700	8 < 2		3	13	0.22	< 10	< 10	189	< 10	90
3+00N 3+50E	201 229	8 < 0.01		16	950	22 < 2		7	6	0.11	< 10	< 10	111	< 10	122
3+00N 3+75E	201 229	5 < 0.01		14	970	22 < 2		4	11	0.12	< 10	< 10	122	< 10	86
3+00N 4+00E	201 229	4 < 0.01		12	560	20 < 2		9	10	0.39	< 10	< 10	173	< 10	80
3+00N 4+50E	201 229	12 < 0.01		16	1420	16 < 2		7	28	0.23	< 10	< 10	87	< 10	200
3+00N 4+75E	201 229	6 < 0.01		11	1150	18 < 2		5	8	0.17	< 10	< 10	127	< 10	90
3+00N 5+00E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
20+00N 2+25E	201 229	14 < 0.01		9	650	12 < 2		2	9	0.09	< 10	< 10	117	< 10	96
20+00N 2+75E	201 229	10 < 0.01		8	1070	8 < 2		3	13	0.02	< 10	< 10	69	< 10	138
20+00N 3+00E	201 229	5 < 0.07		7	670	8 < 2		3	22	0.19	< 10	< 10	168	< 10	46
20+00N 3+25E	201 229	7 < 0.01		8	780	20 < 2		4	12	0.26	< 10	< 10	169	< 10	98
20+00N 3+50E	201 229	9 < 0.03		8	1150	14 < 2		4	19	0.23	< 10	< 10	165	< 10	88
20+00W 4+00E	201 229	11 < 0.01		30	1440	14 < 2		5	37	0.11	< 10	< 10	76	< 10	414
20+00W 4+25E	201 229	12 < 0.01		31	1360	16 < 2		5	37	0.09	< 10	< 10	67	< 10	420
20+00W 4+50E	201 229	7 < 0.01		30	1420	16 < 2		5	32	0.13	< 10	< 10	73	< 10	430
21+00N 0+25E	201 229	3 < 0.01		14	6500	56 < 2		4	14	0.01	< 10	< 10	73	< 10	82
21+00N 0+50E	201 229	3 < 0.01		12	1640	22 < 2		3	4	0.02	< 10	< 10	69	< 10	92
21+00N 0+75E	201 229	10 < 0.01		22	2370	38 < 2		5	6	0.02	< 10	< 10	63	< 10	144
21+00N 1+00E	201 229	14 < 0.01		14	2170	18 < 2		4	15	0.34	< 10	< 10	103	< 10	84
21+00N 1+25E	201 229	8 < 0.01		21	2480	36 < 2		5	6	0.03	< 10	< 10	65	< 10	152
21+00N 1+50E	201 229	4 < 0.01		16	1660	30 < 2		4	7	0.01	< 10	< 10	43	< 10	94
21+00N 1+75E	201 229	31 < 0.01		6	1720	26 < 2		1	14	0.09	< 10	< 10	63	< 10	22

CERTIFICATION:

Hart/Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-J
 Comments:

Page Number :3-A
 Total Pages :4
 Certificate Date: 26-SEP-94
 Invoice No. : I9425963
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
21+00N 2+00E	201 229	10	1.2	1.46	84	70	< 0.5	< 2	0.01	< 0.5	3	11	28	>15.00	< 10	< 1	0.03	10	0.13	145
21+00N 2+25E	201 229	< 5	1.8	2.36	288	60	< 0.5	< 2	0.04	1.0	2	16	16	10.55	< 10	< 1	0.01	< 10	0.10	90
21+00N 2+50E	201 229	< 5	< 0.2	1.41	742	20	< 0.5	< 2	0.14	0.5	1	11	10	13.30	< 10	< 1	0.01	< 10	0.08	245
21+00N 2+75E	201 229	< 5	1.4	8.05	412	70	0.5	< 2	0.03	1.0	1	16	10	5.59	< 10	2	0.02	< 10	0.01	165
21+00N 3+00E	201 229	< 5	1.4	5.43	98	90	< 0.5	< 2	0.03	0.5	1	13	3	4.81	< 10	< 1	0.03	< 10	0.04	80
21+00N 3+25E	201 229	< 5	0.6	1.65	100	110	< 0.5	< 2	0.36	0.5	8	9	17	8.65	< 10	< 1	0.04	< 10	0.18	275
21+00N 3+50E	201 229	< 5	0.6	1.22	14	30	< 0.5	< 2	0.09	< 0.5	6	12	14	5.46	< 10	< 1	0.02	< 10	0.16	80
21+00N 3+75E	201 229	< 5	0.8	1.91	22	30	< 0.5	< 2	0.12	< 0.5	3	10	16	7.37	< 10	< 1	0.01	< 10	0.15	90
21+00N 4+00E	201 229	< 5	1.0	4.63	34	30	0.5	< 2	0.04	< 0.5	6	32	17	10.90	< 10	< 1	0.03	20	0.13	315
21+00N 4+25E	201 229	< 5	2.6	4.87	32	50	0.5	< 2	0.01	0.5	3	34	22	9.96	< 10	< 1	0.03	10	0.25	520
21+00N 4+50E	201 229	< 5	2.0	2.84	26	70	< 0.5	< 2	0.08	1.0	4	32	37	8.88	< 10	< 1	0.04	10	0.29	290
21+00N 4+75E	201 229	< 5	0.8	2.48	30	60	< 0.5	< 2	0.04	0.5	2	36	30	5.29	< 10	< 1	0.06	10	0.19	105
21+00N 3+25EA	201 229	< 5	1.0	2.09	32	80	< 0.5	< 2	0.04	< 0.5	4	26	26	9.95	< 10	< 1	0.03	10	0.24	155
21+00N 3+75EA	201 229	< 5	0.6	0.85	2	30	< 0.5	< 2	0.01	< 0.5	3	14	6	1.67	< 10	< 1	0.01	10	0.05	55
21+00N 4+00EA	201 229	< 5	1.4	5.35	64	40	0.5	< 2	0.04	0.5	4	42	17	12.15	< 10	1	0.02	10	0.11	210
21+00N 4+25EA	201 229	< 5	1.6	3.01	28	60	< 0.5	< 2	0.01	0.5	3	28	24	11.10	< 10	< 1	0.02	10	0.12	165
21+00N 4+50EA	201 229	< 5	0.4	4.14	42	40	< 0.5	< 2	0.02	1.0	16	18	21	10.00	< 10	< 1	0.01	< 10	0.18	380
21+00N 0+25W	201 229	< 5	0.6	2.52	24	80	< 0.5	< 2	0.20	< 0.5	7	59	31	7.94	< 10	< 1	0.07	< 10	0.64	345
21+00N 0+50W	201 229	< 5	1.2	2.27	28	120	0.5	< 2	0.35	0.5	6	34	44	6.99	< 10	< 1	0.09	10	0.62	260
21+00N 0+75W	201 229	< 5	0.8	2.49	36	60	< 0.5	< 2	0.11	0.5	5	25	70	6.94	< 10	< 1	0.07	< 10	0.37	355
21+00N 1+00W	201 229	< 5	2.0	4.87	36	50	0.5	< 2	0.10	0.5	3	52	22	6.09	< 10	< 1	0.07	10	0.27	365
21+00N 2+00W	201 229	120	4.4	2.62	2750	110	< 0.5	< 2	0.12	7.0	5	21	22	7.06	< 10	< 1	0.05	< 10	0.35	680
21+00N 2+25W	201 229	110	7.0	2.12	1390	90	< 0.5	< 2	0.11	3.0	5	27	25	7.21	< 10	< 1	0.03	< 10	0.27	480
21+00N 2+50W	201 229	< 5	1.4	3.99	32	90	0.5	< 2	0.05	0.5	3	36	44	5.30	< 10	< 1	0.06	< 10	0.24	305
21+00N 2+75W	201 229	< 5	3.2	4.05	44	100	0.5	< 2	0.04	1.0	7	36	64	5.96	< 10	< 1	0.06	10	0.38	475
21+00N 3+00W	201 229	< 5	1.4	3.87	42	60	< 0.5	< 2	0.04	0.5	3	36	14	11.65	< 10	< 1	0.03	10	0.09	480
23+00N 0+25E	201 229	225	43.4	2.02	3990	130	< 0.5	< 2	0.01	9.0	1	13	13	9.87	< 10	8	0.64	< 10	0.03	100
23+00N 0+50E	201 229	< 5	1.2	2.30	28	90	< 0.5	< 2	0.03	0.5	3	18	18	9.04	< 10	< 1	0.06	< 10	0.12	335
23+00N 0+75E	201 229	< 5	1.0	2.65	42	80	< 0.5	< 2	0.15	< 0.5	16	17	24	8.14	< 10	< 1	0.03	< 10	0.33	2220
23+00N 1+00E	201 229	< 5	0.4	2.45	48	70	0.5	< 2	0.17	0.5	25	11	41	8.75	< 10	< 1	0.02	10	0.48	2530
23+00N 1+50E	201 229	< 5	0.4	2.99	80	130	1.0	< 2	0.16	0.5	27	13	54	9.86	< 10	2	0.02	10	0.45	2090
23+00N 1+75E	201 229	< 5	0.4	2.07	50	100	0.5	< 2	0.15	0.5	16	11	39	8.28	< 10	< 1	0.03	10	0.45	975
23+00N 2+50E	201 229	< 5	0.4	0.80	36	30	< 0.5	< 2	0.24	< 0.5	5	15	15	7.28	< 10	< 1	0.06	< 10	0.35	280
23+00N 0+25W	201 229	< 5	2.8	2.82	816	80	< 0.5	< 2	0.16	2.0	8	30	22	7.63	< 10	< 1	0.07	< 10	0.40	460
23+00N 0+50W	201 229	< 5	1.0	4.50	34	80	< 0.5	< 2	0.06	< 0.5	4	36	91	7.65	< 10	< 1	0.10	10	0.83	240
23+00N 0+75W	201 229	< 5	3.8	2.02	164	80	< 0.5	< 2	0.02	0.5	1	22	21	11.00	< 10	< 1	0.03	10	0.06	210
23+00N 1+00W	201 229	< 5	1.2	4.40	104	130	0.5	< 2	0.08	0.5	6	32	118	6.68	< 10	< 1	0.08	10	0.47	205
24+00N 0+00E	201 229	< 5	5.8	2.29	140	80	< 0.5	< 2	0.03	0.5	6	19	22	9.19	< 10	< 1	0.07	10	0.09	220
24+00N 0+25E	201 229	< 5	1.2	1.54	220	110	< 0.5	< 2	0.04	1.0	4	25	20	7.24	< 10	< 1	0.09	10	0.08	510
24+00N 0+50E	201 229	< 5	1.0	2.88	60	70	0.5	< 2	0.02	0.5	6	32	31	8.50	< 10	< 1	0.10	10	0.25	820

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-J
 Comments:

Page Number : 3-B
 Total Pages : 4
 Certificate Date: 26-SEP-94
 Invoice No. : 19425963
 P.O. Number :
 Account : BJS

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
21+00N 2+00E	201 229	15 < 0.01	3	3580	24	< 2	4	5	0.08	< 10	< 10	58	10	38	
21+00N 2+25E	201 229	21 < 0.01	7	1080	14	2	2	13	0.21	< 10	< 10	103	< 10	44	
21+00N 2+50E	201 229	80 < 0.01	6	1410	18	6	2	10	0.11	< 10	< 10	123	< 10	48	
21+00N 2+75E	201 229	39 0.01	3	2180	26	14	4	7	0.01	< 10	< 10	27	< 10	38	
21+00N 3+00E	201 229	53 0.01	3	1110	32	8	4	11	0.01	< 10	< 10	43	< 10	34	
21+00N 3+25E	201 229	9 0.05	9	2360	14	< 2	2	36	0.05	< 10	< 10	35	< 10	76	
21+00N 3+50E	201 229	5 0.01	7	820	14	2	4	14	0.26	< 10	< 10	203	< 10	54	
21+00N 3+75E	201 229	5 0.01	4	2180	14	< 2	3	16	0.12	< 10	< 10	101	< 10	62	
21+00N 4+00E	201 229	12 0.01	11	900	22	2	5	11	0.23	< 10	< 10	94	< 10	130	
21+00N 4+25E	201 229	11 0.01	15	940	30	2	5	2	0.15	< 10	< 10	69	< 10	174	
21+00N 4+50E	201 229	14 < 0.01	19	1580	24	6	4	11	0.08	< 10	< 10	128	< 10	230	
21+00N 4+75E	201 229	12 < 0.01	15	1850	16	2	4	6	0.04	< 10	< 10	136	< 10	164	
21+00N 3+25EA	201 229	9 0.01	14	970	12	< 2	3	9	0.14	< 10	< 10	124	< 10	120	
21+00N 3+75EA	201 229	2 < 0.01	3	240	6	< 2	2	8	0.08	< 10	< 10	53	< 10	22	
21+00N 4+00EA	201 229	13 0.01	10	760	32	< 2	5	12	0.13	< 10	< 10	81	< 10	106	
21+00N 4+25EA	201 229	12 < 0.01	11	640	18	< 2	3	10	0.12	< 10	< 10	99	< 10	78	
21+00N 4+50EA	201 229	15 < 0.01	7	1490	18	4	8	4	0.19	< 10	< 10	97	< 10	102	
21+00N 0+25W	201 229	6 < 0.01	43	1070	18	< 2	2	23	0.09	< 10	< 10	85	< 10	126	
21+00N 0+50W	201 229	3 < 0.01	29	1930	26	< 2	2	37	0.10	< 10	< 10	77	< 10	126	
21+00N 0+75W	201 229	4 < 0.01	17	2940	26	< 2	2	17	0.06	< 10	< 10	81	< 10	76	
21+00N 1+00W	201 229	7 0.02	29	1130	20	2	4	16	0.09	< 10	< 10	36	< 10	140	
21+00N 2+00W	201 229	4 0.02	11	700	150	2	3	15	0.43	< 10	< 10	115	< 10	80	
21+00N 2+25W	201 229	2 0.01	10	640	26	2	3	15	0.49	< 10	< 10	145	< 10	64	
21+00N 2+50W	201 229	17 0.01	34	810	16	2	5	10	0.01	< 10	< 10	78	< 10	368	
21+00N 2+75W	201 229	23 0.01	48	660	32	< 2	6	6	0.01	< 10	< 10	77	< 10	446	
21+00N 3+00W	201 229	7 0.01	13	1380	26	< 2	2	12	0.21	< 10	< 10	78	< 10	98	
23+00N 0+25E	201 229	27 0.04	6	2060	94	96	1	65	0.04	< 10	< 10	37	< 10	52	
23+00N 0+50E	201 229	2 0.01	11	840	18	< 2	2	8	0.09	< 10	< 10	67	< 10	104	
23+00N 0+75E	201 229	7 0.04	12	2680	18	< 2	4	18	0.08	< 10	< 10	68	< 10	122	
23+00N 1+00E	201 229	7 0.01	9	3260	18	< 2	7	11	0.02	< 10	< 10	67	< 10	202	
23+00N 1+50E	201 229	6 0.01	11	2210	36	6	10	12	0.05	< 10	< 10	72	< 10	214	
23+00N 1+75E	201 229	6 0.01	10	1740	20	4	9	11	0.02	< 10	< 10	68	< 10	156	
23+00N 2+50E	201 229	33 0.10	9	1210	14	2	2	25	0.27	< 10	< 10	120	< 10	50	
23+00N 0+25W	201 229	4 0.03	17	1810	24	4	4	22	0.13	< 10	< 10	108	< 10	96	
23+00N 0+50W	201 229	2 < 0.01	19	1690	24	2	5	8	0.04	< 10	< 10	123	< 10	84	
23+00N 0+75W	201 229	9 < 0.01	8	890	28	6	1	7	0.40	< 10	< 10	137	< 10	58	
23+00N 1+00W	201 229	4 0.01	25	1480	32	< 2	4	11	0.03	< 10	< 10	73	< 10	134	
24+00N 0+00E	201 229	8 < 0.01	10	1070	14	6	2	6	0.11	< 10	< 10	101	< 10	70	
24+00N 0+25E	201 229	10 < 0.01	13	2320	50	6	3	12	0.22	< 10	< 10	113	< 10	114	
24+00N 0+50E	201 229	11 0.01	20	1310	24	2	4	6	0.11	< 10	< 10	54	< 10	176	

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-J
 Comments:

Page Number : 4-A
 Total Pages : 4
 Certificate Date: 26-SEP-94
 Invoice No. : 19425963
 P.O. Number :
 Account : BJS

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
24+00N 0+75E	201 229	< 5	< 0.2	2.90	16	280	< 0.5	< 2	0.98	1.0	26	44	47	5.28	< 10	< 1	0.11	< 10	0.93	7670
24+00N 1+00E	201 229	< 5	0.6	1.50	84	210	< 0.5	< 2	0.29	< 0.5	4	16	24	8.42	< 10	< 1	0.06	< 10	0.21	925
24+00N 1+25E	201 229	< 5	2.0	3.13	86	50	< 0.5	< 2	0.21	< 0.5	18	10	24	9.33	< 10	< 1	0.03	< 10	0.44	2820
24+00N 1+50E	201 229	< 5	0.2	3.07	108	20	< 0.5	< 2	0.01	< 0.5	17	7	27	>15.00	< 10	2	0.01	< 10	0.34	1300
24+00N 1+75E	201 229	< 5	< 0.2	1.76	58	100	< 0.5	< 2	0.69	< 0.5	36	5	33	10.80	< 10	1	0.04	< 10	0.40	980
24+00N 2+00E	201 229	< 5	0.6	4.05	36	30	< 0.5	< 2	0.06	< 0.5	13	12	21	10.20	< 10	< 1	0.02	< 10	0.42	765
24+00N 2+25E	201 229	< 5	0.8	1.83	382	40	< 0.5	< 2	0.05	< 0.5	3	16	15	>15.00	< 10	< 1	0.02	< 10	0.09	250
24+00N 2+75E	201 229	< 5	0.2	1.70	4	60	< 0.5	2	0.17	< 0.5	11	10	17	5.47	< 10	< 1	0.04	< 10	0.28	235
24+00N 3+00E	201 229	< 5	1.6	3.47	16	30	< 0.5	< 2	0.13	< 0.5	3	25	7	10.10	30	< 1	0.03	< 10	0.09	395
24+00N 3+25E	201 229	< 5	1.2	1.77	36	50	< 0.5	< 2	0.10	< 0.5	10	16	18	8.62	< 10	1	0.03	< 10	0.14	235
24+00N 3+50E	201 229	< 5	0.8	0.86	< 2	40	< 0.5	< 2	0.12	< 0.5	7	9	11	4.32	< 10	< 1	0.03	< 10	0.11	185
24+00N 3+75E	201 229	< 5	0.4	2.75	< 2	50	< 0.5	< 2	0.19	< 0.5	8	14	12	5.26	< 10	< 1	0.03	< 10	0.18	1355
24+00N 4+00E	201 229	< 5	0.4	4.04	20	60	< 0.5	< 2	0.12	< 0.5	15	17	25	9.53	< 10	< 1	0.03	< 10	0.58	1085
24+00N 4+25E	201 229	< 5	1.2	3.86	10	50	< 0.5	< 2	0.07	< 0.5	9	26	23	6.69	< 10	< 1	0.02	< 10	0.16	985
24+00N 4+50E	201 229	< 5	1.2	2.99	20	80	< 0.5	< 2	0.03	< 0.5	4	45	37	8.91	< 10	< 1	0.03	< 10	0.22	200
24+00N 4+75E	201 229	< 5	0.4	3.32	178	50	< 0.5	< 2	< 0.01	< 0.5	7	8	36	13.00	< 10	< 1	0.01	< 10	1.59	285
24+00N 0+25W	201 229	< 5	1.0	3.58	56	70	< 0.5	< 2	0.03	< 0.5	5	69	36	10.20	< 10	< 1	0.04	< 10	0.30	175
24+00N 0+50W	201 229	< 5	0.6	1.01	12	30	< 0.5	< 2	0.11	< 0.5	3	20	11	3.99	< 10	< 1	0.05	< 10	0.16	95

CERTIFICATION: *Stanley Beckler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : #134-J
 Comments:

Page Number : 4-B
 Total Pages : 4
 Certificate Date: 26-SEP-94
 Invoice No. : 19425963
 P.O. Number :
 Account : BSI

CERTIFICATE OF ANALYSIS

A9425963

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
24+00N 0+75E	201 229	6	0.02	44	3160	12	2	7	58	0.17	< 10	< 10	73	< 10	258
24+00N 1+00E	201 229	10	< 0.01	6	2570	10	< 2	3	27	0.13	< 10	< 10	127	< 10	118
24+00N 1+25E	201 229	8	0.01	3	2830	12	2	4	11	0.05	< 10	< 10	58	< 10	114
24+00N 1+50E	201 229	21	< 0.01	1	2060	14	< 2	7	2	0.01	< 10	< 10	26	< 10	216
24+00N 1+75E	201 229	15	0.01	11	2120	20	6	10	32	< 0.01	< 10	< 10	40	< 10	152
24+00N 2+00E	201 229	8	0.01	3	1210	8	8	5	7	0.11	< 10	< 10	75	< 10	64
24+00N 2+25E	201 229	23	0.01	1	2410	14	< 2	3	9	0.09	< 10	< 10	55	< 10	50
24+00N 2+75E	201 229	1	0.04	4	1150	6	6	3	26	0.15	< 10	< 10	122	< 10	72
24+00N 3+00E	201 229	2	0.01	4	1040	12	2	2	11	0.25	< 10	< 10	102	< 10	68
24+00N 3+25E	201 229	3	0.02	5	940	6	< 2	2	20	0.13	< 10	< 10	129	< 10	70
24+00N 3+50E	201 229	3	0.01	2	950	10	< 2	2	13	0.35	< 10	< 10	162	< 10	54
24+00N 3+75E	201 229	2	0.01	2	2930	16	6	4	19	0.29	< 10	< 10	100	< 10	64
24+00N 4+00E	201 229	3	0.02	8	1320	18	2	8	17	0.14	< 10	< 10	116	< 10	178
24+00N 4+25E	201 229	8	< 0.01	8	1100	12	2	4	11	0.15	< 10	< 10	83	< 10	160
24+00N 4+50E	201 229	10	< 0.01	18	570	18	< 2	4	6	0.19	< 10	< 10	137	< 10	212
24+00N 4+75E	201 229	15	< 0.01	4	1330	10	< 2	8	1	< 0.01	< 10	< 10	33	< 10	188
24+00N 0+25W	201 229	6	0.01	21	730	14	< 2	4	5	0.11	< 10	< 10	101	< 10	176
24+00N 0+50W	201 229	1	0.02	3	820	12	< 2	2	14	0.56	< 10	< 10	138	< 10	22

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 4-B
 Total Pages : 6
 Certificate Date: 29-SEP-94
 Invoice No. : 19425917
 P.O. Number :
 Account : BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1800N 0900W	203 205	4	0.09	33	750	18	< 2	4	22	0.13	< 10	< 10	77	< 10	96
1800N 0925W	217 229	1	0.10	11	390	8	2	3	32	0.43	< 10	< 10	115	< 10	46
1800N 0950W	217 229	1	0.47	18	820	6	< 2	5	116	0.41	< 10	< 10	72	< 10	58
1800N 0975W	217 229	< 1	0.58	20	880	6	< 2	6	135	0.47	< 10	< 10	86	< 10	54
1800N 1025W	217 229	< 1	0.36	15	920	2	< 2	4	88	0.34	< 10	< 10	62	< 10	60
1800N 1050W	217 229	1	0.03	6	770	10	< 2	1	46	0.24	< 10	< 10	111	< 10	32
1900N 0000W	201 229	3	0.09	15	1110	14	2	9	27	0.74	< 10	< 10	164	< 10	70
1900N 0025W	201 229	1	0.02	8	940	22	4	4	11	0.19	< 10	< 10	120	< 10	54
1900N 0050W	201 229	2	0.04	20	1010	20	2	4	19	0.24	< 10	< 10	111	< 10	50
1900N 0075W	203 205	6	0.01	14	860	14	< 2	3	14	0.40	< 10	< 10	125	< 10	58
1900N 0100W	201 229	2	0.01	19	740	16	2	3	15	0.20	< 10	< 10	106	< 10	54
1900N 0150W	201 229	2	0.17	21	4300	18	< 2	3	82	0.20	< 10	< 10	105	< 10	102
1900N 0175W	201 229	2	0.01	10	1160	10	< 2	1	18	0.09	< 10	< 10	64	< 10	40
1900N 0200W	201 229	4	0.06	20	3050	14	2	3	22	0.20	< 10	< 10	139	< 10	66
1900N 0225W	201 229	2	0.10	17	1770	8	< 2	6	34	0.36	< 10	< 10	87	< 10	68
1900N 0250W	201 229	7	0.01	11	800	16	< 2	4	19	0.46	< 10	< 10	124	< 10	74
1900N 0275W	201 229	8	< 0.01	13	560	22	< 2	2	11	0.58	< 10	< 10	154	< 10	84
1900N 0300W	201 229	1	0.02	29	840	10	< 2	3	20	0.18	< 10	< 10	94	< 10	48
1900N 0325W	201 229	4	0.06	21	2120	12	4	12	48	0.46	< 10	< 10	97	< 10	92
1900N 0350W	201 229	4	0.08	16	1260	10	2	3	32	0.40	< 10	< 10	106	< 10	82
1900N 0375W	201 229	4	0.01	16	530	18	< 2	4	9	0.20	< 10	< 10	70	< 10	58
1900N 0400W	201 229	1	0.04	13	1430	16	2	7	54	0.27	< 10	< 10	150	< 10	62
1900N 0425W	201 229	2	0.04	11	430	8	6	3	41	0.43	< 10	< 10	121	< 10	58
1900N 0450W	201 229	1	0.06	11	930	8	2	3	48	0.56	< 10	< 10	128	< 10	54
1900N 0475W	201 229	1	0.03	10	1130	16	< 2	10	32	0.15	< 10	< 10	157	< 10	70
1900N 0525W	201 229	< 1	0.07	9	2030	4	2	3	26	0.29	< 10	< 10	48	< 10	50
1900N 0550W	201 229	1	0.01	49	1340	22	8	21	13	0.07	< 10	< 10	252	< 10	134
1900N 0575W	201 229	2	0.03	12	3510	20	4	4	22	0.10	< 10	< 10	106	< 10	66
1900N 0600W	201 229	2	< 0.01	9	5520	16	6	3	7	0.07	< 10	< 10	110	< 10	62
1900N 0625W	201 229	2	0.02	36	900	16	< 2	4	22	0.08	< 10	< 10	68	< 10	94
1900N 0650W	201 229	3	0.07	27	1290	16	2	6	46	0.08	< 10	< 10	83	< 10	112
1900N 0675W	201 229	2	0.03	19	1170	12	2	2	92	0.06	< 10	< 10	35	< 10	134
1900N 0700W	201 229	4	0.06	43	1160	24	< 2	6	133	0.06	< 10	< 10	71	< 10	192
1900N 0725W	217 229	2	0.08	9	740	8	2	2	43	0.48	< 10	< 10	99	< 10	62
1900N 0750W	201 229	2	0.13	9	520	10	< 2	2	50	0.60	< 10	< 10	125	< 10	36
1900N 0775W	201 229	< 1	0.06	6	820	2	< 2	1	68	0.08	< 10	< 10	17	< 10	26
1900N 0800W	217 229	< 1	0.32	18	1150	8	< 2	3	104	0.28	< 10	< 10	61	< 10	116
1900N 0825W	217 229	2	0.12	11	860	14	4	3	46	0.48	< 10	< 10	105	< 10	72
1900N 0850W	201 229	1	0.11	11	920	6	< 2	3	44	0.66	< 10	< 10	149	< 10	46
1900N 0875W	201 229	2	0.09	12	800	6	2	2	63	0.13	< 10	< 10	49	< 10	54

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project : #134-R
Comments:

Page Number : 5-A
Total Pages : 6
Certificate Date: 29-SEP-94
Invoice No. : 19425917
P.O. Number :
Account : BSJ

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1900N 0900W	203 205	< 5	0.4	1.07	< 2	320	< 0.5	< 2	0.51	< 0.5	3	10	16	2.06	< 10	1	0.08	< 10	0.19	145
1900N 0925W	203 205	< 5	2.2	2.50	12	70	< 0.5	2	0.47	0.5	11	30	23	5.59	10	< 1	0.09	10	0.80	520
1900N 0950W	203 205	< 5	0.6	1.11	10	110	< 0.5	< 2	0.56	< 0.5	3	32	26	4.87	10	< 1	0.11	10	0.30	385
1900N 0975W	203 205	< 5	0.2	0.53	< 2	120	< 0.5	< 2	1.39	< 0.5	5	9	7	1.29	< 10	< 1	0.12	< 10	0.45	310
1900N 1000W	203 205	< 5	1.0	1.60	14	150	< 0.5	< 2	1.85	0.5	9	17	11	2.95	< 10	< 1	0.14	< 10	0.44	420
1900N 1025W	201 229	< 5	0.2	1.10	2	70	< 0.5	< 2	0.09	< 0.5	3	19	8	6.62	30	1	0.02	< 10	0.11	135
1900N 1050W	201 229	< 5	0.4	1.74	< 2	70	< 0.5	< 2	0.25	0.5	8	54	11	8.82	20	< 1	0.05	< 10	0.35	235
2000N 0000W	201 229	< 5	1.4	3.28	12	140	0.5	< 2	0.49	< 0.5	17	44	23	5.73	10	< 1	0.11	< 10	0.56	1315
2000N 0025W	201 229	< 5	1.4	3.30	4	160	1.0	< 2	0.18	0.5	17	47	24	6.35	20	< 1	0.11	20	0.39	1625
2000N 0050W	203 205	< 5	0.6	2.85	4	60	< 0.5	< 2	0.24	0.5	10	56	21	6.27	10	< 1	0.13	10	0.68	485
2000N 0075W	201 229	< 5	3.0	2.04	< 2	100	< 0.5	< 2	0.28	0.5	10	37	19	5.56	10	< 1	0.09	< 10	0.45	895
2000N 0100W	201 229	< 5	1.2	3.47	< 2	50	< 0.5	< 2	0.26	< 0.5	15	40	23	6.08	10	< 1	0.12	10	0.50	1655
2000N 0125W	201 229	< 5	0.4	3.39	6	140	0.5	< 2	0.12	< 0.5	17	37	40	5.46	< 10	< 1	0.16	10	0.66	1475
2000N 0150W	203 205	< 5	1.0	2.95	< 2	120	0.5	< 2	0.71	0.5	11	36	14	5.86	10	1	0.16	10	0.82	845
2000N 0175W	201 229	< 5	1.8	3.94	8	130	0.5	< 2	0.52	0.5	14	35	18	6.48	20	< 1	0.07	10	0.54	1170
2000N 0200W	201 229	< 5	0.4	2.22	10	120	< 0.5	< 2	0.22	< 0.5	6	33	34	4.46	10	< 1	0.14	10	0.53	355
2000N 0225W	201 229	< 5	0.2	1.63	2	120	< 0.5	< 2	0.46	0.5	10	27	18	6.13	20	< 1	0.07	10	0.36	805
2000N 0250W	201 229	< 5	0.8	2.12	10	100	< 0.5	< 2	0.21	0.5	7	45	27	5.60	< 10	< 1	0.07	< 10	0.40	485
2000N 0275W	201 229	< 5	0.6	2.66	18	140	0.5	< 2	0.28	0.5	10	48	16	6.35	20	< 1	0.06	20	0.66	810
2000N 0300W	201 229	< 5	0.4	1.85	4	100	< 0.5	< 2	0.17	< 0.5	14	23	18	5.95	10	< 1	0.07	20	0.22	930
2000N 0325W	201 229	< 5	0.2	1.50	< 2	220	< 0.5	< 2	0.52	< 0.5	7	22	9	3.69	10	< 1	0.08	10	0.40	295
2000N 0350W	201 229	< 5	1.4	4.08	< 2	120	0.5	< 2	0.73	< 0.5	12	37	27	7.05	10	< 1	0.06	10	0.55	740
2000N 0375W	201 229	< 5	< 0.2	2.23	< 2	100	< 0.5	< 2	0.26	< 0.5	7	53	18	6.41	10	1	0.09	< 10	0.65	315
2000N 0400W	201 229	< 5	0.6	1.89	< 2	90	< 0.5	< 2	0.40	< 0.5	7	21	10	5.60	10	< 1	0.10	10	0.44	460
2000N 0425W	203 205	< 5	0.8	2.00	< 2	290	0.5	< 2	2.07	< 0.5	7	28	17	2.73	10	< 1	0.07	10	0.39	790
2000N 0450W	201 229	< 5	0.2	2.71	14	170	< 0.5	< 2	0.58	< 0.5	3	30	10	7.22	20	< 1	0.08	10	0.31	195
2000N 0475W	201 229	< 5	0.8	3.02	14	110	0.5	< 2	0.24	< 0.5	13	44	32	5.77	10	< 1	0.10	10	0.52	920
2000N 0500W	201 229	< 5	0.6	1.33	8	90	< 0.5	< 2	0.33	< 0.5	4	28	14	5.93	20	< 1	0.03	10	0.12	275
2000N 0525W	203 205	< 5	0.4	1.22	< 2	90	< 0.5	< 2	0.45	< 0.5	9	13	8	2.34	< 10	< 1	0.10	< 10	0.53	165
2000N 0550W	201 229	< 5	0.2	2.65	8	100	< 0.5	< 2	0.12	0.5	4	78	18	5.62	10	< 1	0.07	< 10	0.66	180
2000N 0575W	201 229	< 5	< 0.2	2.18	< 2	110	< 0.5	< 2	1.07	< 0.5	17	19	20	4.95	10	< 1	0.15	< 10	1.17	1490
2000N 0600W	201 229	< 5	0.2	1.77	4	80	< 0.5	< 2	0.39	< 0.5	7	36	35	5.13	10	< 1	0.05	< 10	0.69	545
2000N 0625W	201 229	< 5	< 0.2	0.95	2	50	< 0.5	< 2	0.09	< 0.5	6	30	40	5.34	10	< 1	0.06	< 10	0.54	865
2000N 0650W	201 229	< 5	0.4	1.11	< 2	90	< 0.5	< 2	0.65	< 0.5	7	7	8	2.25	< 10	< 1	0.08	< 10	0.50	150
2000N 0675W	201 229	< 5	< 0.2	2.66	20	60	< 0.5	< 2	0.37	< 0.5	14	55	41	6.07	10	< 1	0.08	10	1.17	690
2000N 0700W	201 229	< 5	0.4	2.50	22	70	< 0.5	< 2	0.33	< 0.5	18	37	49	6.17	10	< 1	0.08	< 10	1.19	1220
2000N 0725W	201 229	< 5	< 0.2	0.95	6	90	< 0.5	< 2	0.31	< 0.5	6	18	17	2.12	< 10	1	0.09	< 10	0.28	175
2000N 0750W	201 229	< 5	0.4	1.85	4	70	< 0.5	< 2	0.36	< 0.5	10	70	42	6.66	10	< 1	0.06	< 10	0.98	290
2000N 0775W	201 229	< 5	0.6	2.01	< 2	100	< 0.5	< 2	0.62	< 0.5	13	30	20	4.88	10	< 1	0.09	< 10	0.71	675
2000N 0800W	201 229	< 5	0.2	1.61	< 2	60	< 0.5	< 2	0.73	< 0.5	9	14	19	3.05	< 10	< 1	0.08	< 10	0.55	245

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :5-B
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. :19425917
 P.O. Number :
 Account :BSJ

Project : #134-R
 Comments:

CERTIFICATE OF ANALYSIS A9425917

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1900N 0900W	203 205	1	0.01	9	1090	6	< 2	2	52	0.13	< 10	< 10	50	< 10	54
1900N 0925W	203 205	2	0.14	19	1010	10	2	5	47	0.60	< 10	< 10	129	< 10	58
1900N 0950W	203 205	8	0.01	16	500	12	< 2	2	55	0.29	< 10	< 10	94	< 10	90
1900N 0975W	203 205	< 1	0.10	9	1010	< 2	< 2	1	118	0.17	< 10	< 10	25	< 10	138
1900N 1000W	203 205	< 1	0.19	16	810	8	2	3	181	0.19	< 10	< 10	56	< 10	88
1900N 1025W	201 229	2	0.01	7	210	12	< 2	1	20	0.60	< 10	< 10	164	< 10	50
1900N 1050W	201 229	1	0.09	12	130	12	< 2	2	33	0.38	< 10	< 10	110	< 10	60
2000N 0000W	201 229	3	0.02	29	1670	12	< 2	4	44	0.21	< 10	< 10	98	< 10	138
2000N 0025W	201 229	5	0.01	26	1590	16	< 2	3	21	0.18	< 10	< 10	99	< 10	140
2000N 0050W	203 205	2	0.08	27	870	16	< 2	4	27	0.35	< 10	< 10	125	< 10	78
2000N 0075W	201 229	3	0.04	20	1080	14	2	3	33	0.43	< 10	< 10	152	< 10	80
2000N 0100W	201 229	6	0.08	16	1190	12	4	5	25	0.38	< 10	< 10	118	< 10	102
2000N 0125W	201 229	3	0.02	27	1310	20	< 2	4	17	0.07	< 10	< 10	87	< 10	116
2000N 0150W	203 205	2	0.22	23	1080	14	2	5	69	0.35	< 10	< 10	106	< 10	112
2000N 0175W	201 229	2	0.04	20	1230	18	< 2	5	41	0.46	< 10	< 10	116	< 10	100
2000N 0200W	201 229	2	0.03	23	950	14	2	3	26	0.17	< 10	< 10	141	< 10	90
2000N 0225W	201 229	6	0.09	13	720	8	2	2	49	0.35	< 10	< 10	142	< 10	82
2000N 0250W	201 229	3	0.03	25	3110	8	2	3	19	0.10	< 10	< 10	97	< 10	70
2000N 0275W	201 229	8	0.01	40	1050	16	< 2	3	22	0.14	< 10	< 10	64	< 10	96
2000N 0300W	201 229	6	0.02	10	780	12	< 2	4	20	0.42	< 10	< 10	126	< 10	78
2000N 0325W	201 229	2	0.07	10	880	16	< 2	3	48	0.43	< 10	< 10	114	< 10	50
2000N 0350W	201 229	3	0.06	16	1530	12	< 2	6	68	0.45	< 10	< 10	136	< 10	70
2000N 0375W	201 229	2	0.09	32	870	16	< 2	3	33	0.17	< 10	< 10	90	< 10	66
2000N 0400W	201 229	4	0.09	13	770	12	< 2	3	41	0.76	< 10	< 10	159	< 10	52
2000N 0425W	203 205	4	0.08	17	1430	4	2	4	244	0.37	< 10	< 10	64	< 10	96
2000N 0450W	201 229	7	0.03	10	890	16	< 2	3	66	0.11	< 10	< 10	99	< 10	52
2000N 0475W	201 229	4	0.07	22	1200	10	4	6	31	0.22	< 10	< 10	111	< 10	80
2000N 0500W	201 229	7	< 0.01	11	390	12	2	2	36	0.52	< 10	< 10	148	< 10	68
2000N 0525W	203 205	1	0.12	11	820	4	< 2	3	54	0.30	< 10	< 10	56	< 10	40
2000N 0550W	201 229	2	0.01	34	430	10	< 2	5	14	0.08	< 10	< 10	112	< 10	52
2000N 0575W	201 229	2	0.34	16	930	6	< 2	7	88	0.33	< 10	< 10	141	< 10	70
2000N 0600W	201 229	4	0.04	17	990	10	< 2	4	23	0.23	< 10	< 10	162	< 10	52
2000N 0625W	201 229	6	< 0.01	11	3490	12	2	2	8	0.14	< 10	< 10	175	< 10	52
2000N 0650W	201 229	< 1	0.15	9	1090	2	< 2	3	68	0.31	< 10	< 10	45	< 10	30
2000N 0675W	201 229	3	0.09	27	790	16	2	7	28	0.30	< 10	< 10	168	< 10	66
2000N 0700W	201 229	3	0.03	21	1110	6	< 2	9	18	0.26	< 10	< 10	207	< 10	62
2000N 0725W	201 229	2	0.03	13	1010	6	2	3	37	0.13	< 10	< 10	75	< 10	48
2000N 0750W	201 229	4	0.07	23	990	12	2	7	31	0.38	< 10	< 10	267	< 10	36
2000N 0775W	201 229	3	0.16	17	1030	12	< 2	5	60	0.44	< 10	< 10	142	< 10	54
2000N 0800W	201 229	2	0.16	11	1400	4	4	5	69	0.37	< 10	< 10	69	< 10	54

CERTIFICATION:

Hart Buehler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: #134-R
 Comments:

Page Number :6-A
 Total Pages :6
 Certificate Date: 29-SEP-94
 Invoice No. : I9425917
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9425917

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
2000N 0850W	217	229	< 5	0.2	2.50	8	110	0.5	2	1.01	< 0.5	39	39	35	4.70	< 10	< 1	0.21	10	1.27	1360
2000N 0875W	201	229	< 5	< 0.2	2.59	16	140	< 0.5	< 2	0.20	< 0.5	7	47	27	5.25	10	< 1	0.12	< 10	0.62	405
2000N 0900W	201	229	< 5	1.2	2.30	< 2	140	0.5	< 2	0.88	< 0.5	16	18	16	7.26	< 10	< 1	0.09	20	0.47	1000
2000N 0925W	217	229	< 5	0.6	1.35	< 2	130	< 0.5	< 2	3.88	0.5	6	10	19	1.20	< 10	< 1	0.07	20	0.51	1425
2000N 0975W	201	229	< 5	0.6	1.63	2	40	< 0.5	< 2	0.36	< 0.5	7	21	8	5.62	10	< 1	0.08	< 10	0.50	210
2000N 1000W	201	229	< 5	0.4	1.40	< 2	80	< 0.5	< 2	0.63	< 0.5	9	9	5	2.50	< 10	< 1	0.10	< 10	0.75	190

CERTIFICATION:

Haut Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project : #134-R
Comments:

Page Number : 6-B
Total Pages : 6
Certificate Date: 29-SEP-94
Invoice No. : 19425917
P.O. Number :
Account : BSJ

CERTIFICATE OF ANALYSIS

A9425917

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
2000N 0850W	217	229	1	0.34	24	1210	14	2	7	96	0.26	< 10	< 10	85	< 10	110
2000N 0875W	201	229	2	0.07	25	530	14	< 2	6	27	0.19	< 10	< 10	129	< 10	64
2000N 0900W	201	229	4	0.13	13	790	8	< 2	6	98	0.39	< 10	< 10	76	< 10	64
2000N 0925W	217	229	2	0.13	17	1230	2	< 2	1	549	0.09	< 10	< 10	21	< 10	102
2000N 0975W	201	229	1	0.12	11	410	12	< 2	3	39	0.46	< 10	< 10	131	< 10	44
2000N 1000W	201	229	< 1	0.19	11	860	4	< 2	3	81	0.32	< 10	< 10	53	< 10	40

CERTIFICATION:

Hart Buehler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

34 74 200

A9427164

Comments:

CERTIFICATE **A9427164**

(BSJ) - GRANGES INC.

Project: 134-JEFF *Grid - Soils*
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-OCT-94.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	94	Dry, sieve to -80 mesh
203	9	Dry, sieve to -35 mesh
205	9	Geochem ring to approx 150 mesh
229	103	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	103	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	103	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	103	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	103	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	103	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	103	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	103	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	103	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	103	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	103	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	103	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	103	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	103	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	103	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	103	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	103	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	103	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	103	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	103	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	103	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	103	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	103	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	103	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	103	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	103	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	103	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	103	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	103	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	103	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	103	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	103	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	103	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	103	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-JEFF *Grid Soils*
 Comments:

1 < 4, 1411, 1819

Page Number : 1-A
 Total Pages : 3
 Certificate Date : 05-OCT-94
 Invoice No. : I9427164
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427164

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L7+00N-3+25W	201 229	< 5	0.6	2.10	18	60	< 0.5	< 2	0.19	< 0.5	4	13	15	4.85	< 10	< 1	0.04	< 10	0.29	165
L7+00N-3+50W	201 229	< 5	0.8	0.99	< 2	60	< 0.5	< 2	0.22	< 0.5	6	5	9	1.62	< 10	< 1	0.04	< 10	0.29	125
L7+00N-4+00W	201 229	< 5	2.0	2.72	98	70	< 0.5	< 2	0.12	< 0.5	3	29	27	11.00	< 10	1	0.03	< 10	0.29	270
L7+00N-4+25W	201 229	< 5	1.6	2.00	122	90	< 0.5	< 2	0.11	< 0.5	3	15	47	6.71	< 10	< 1	0.03	< 10	0.20	255
L7+00N-4+75W	201 229	< 5	0.4	0.87	4	30	< 0.5	< 2	0.04	< 0.5	1	13	12	6.56	< 10	< 1	0.01	< 10	0.08	150
L7+00N-5+25W	201 229	< 5	0.4	2.40	4	800	< 0.5	< 2	1.00	< 0.5	25	15	139	5.56	< 10	2	0.10	< 10	0.93	4290
L7+00N-5+50W	201 229	< 5	0.2	2.97	12	250	< 0.5	< 2	0.11	< 0.5	10	19	45	7.54	< 10	< 1	0.02	< 10	0.41	785
L7+00N-5+75W	201 229	< 5	0.4	3.83	10	140	< 0.5	< 2	0.12	0.5	12	19	41	8.15	< 10	1	0.03	< 10	0.37	5480
L8+00N-3+00W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
L8+00N-3+25W	201 229	< 5	1.4	4.74	32	70	< 0.5	< 2	0.07	< 0.5	7	27	60	7.94	< 10	1	0.04	< 10	0.70	270
L8+00N-3+50W	201 229	10	0.2	3.05	42	80	< 0.5	< 2	0.08	< 0.5	6	21	35	5.63	< 10	< 1	0.13	10	0.19	190
L8+00N-3+75W	201 229	20	1.0	3.23	26	80	< 0.5	< 2	0.05	< 0.5	3	27	50	9.12	< 10	< 1	0.04	< 10	0.42	135
L8+00N-4+00W	201 229	15	1.2	3.25	58	50	< 0.5	< 2	0.04	< 0.5	1	27	54	10.10	< 10	< 1	0.06	< 10	0.61	175
L8+00N-5+00W	201 229	10	0.2	0.97	6	40	< 0.5	< 2	0.16	< 0.5	4	8	11	2.24	< 10	< 1	0.04	< 10	0.21	120
L8+00N-5+25W	201 229	5	0.2	0.60	14	50	< 0.5	< 2	0.16	< 0.5	3	8	7	1.71	< 10	< 1	0.03	< 10	0.16	95
L8+00N-5+50W	201 229	< 5	< 0.2	3.29	44	60	< 0.5	< 2	0.10	< 0.5	9	29	46	13.75	< 10	< 1	0.03	< 10	0.25	1340
L8+00N-5+75W	201 229	< 5	0.4	2.05	8	60	< 0.5	< 2	0.44	< 0.5	10	10	25	4.79	< 10	< 1	0.08	< 10	0.61	1655
L8+00N-6+00W	201 229	< 5	0.6	1.49	112	60	< 0.5	< 2	0.07	< 0.5	4	28	17	5.28	< 10	< 1	0.03	< 10	0.11	295
L9+00N-3+25W	201 229	< 5	1.4	2.26	16	90	< 0.5	< 2	0.04	< 0.5	2	14	23	4.77	< 10	< 1	0.03	< 10	0.20	115
L9+00N-3+50W	201 229	< 5	1.0	2.60	72	190	0.5	< 2	0.75	0.5	14	21	31	7.58	< 10	1	0.08	< 10	0.70	1030
L9+00N-3+75W	201 229	< 5	1.0	3.78	16	80	0.5	< 2	0.14	< 0.5	14	24	88	5.74	< 10	< 1	0.04	10	0.73	645
L9+00N-4+00W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
L9+00N-4+25W	201 229	< 5	0.4	2.28	18	60	< 0.5	< 2	0.05	< 0.5	3	19	50	5.79	< 10	< 1	0.02	< 10	0.36	150
L9+00N-5+25W	201 229	< 5	1.0	4.05	1260	80	1.0	< 2	0.08	< 0.5	15	25	133	6.65	< 10	1	0.07	10	0.76	465
L9+00N-5+50W	201 229	< 5	0.8	3.40	272	100	< 0.5	< 2	0.17	< 0.5	7	18	49	6.34	< 10	< 1	0.04	< 10	0.45	260
L9+00N-6+00W	201 229	< 5	0.8	2.84	52	90	< 0.5	< 2	0.04	0.5	6	46	31	10.55	< 10	< 1	0.03	< 10	0.25	260
1100N-200W	201 229	< 5	1.0	1.67	14	70	< 0.5	< 2	0.10	< 0.5	4	13	22	3.98	< 10	< 1	0.03	< 10	0.23	130
1100N-225W	201 229	< 5	0.8	1.42	6	70	< 0.5	< 2	0.12	< 0.5	4	10	16	2.93	< 10	< 1	0.04	< 10	0.24	115
1100N-250W	201 229	< 5	0.8	1.46	14	90	< 0.5	< 2	0.09	< 0.5	4	12	15	3.03	< 10	< 1	0.03	< 10	0.17	100
1100N-275W	201 229	< 5	0.8	1.58	12	80	< 0.5	< 2	0.11	< 0.5	4	11	17	3.04	< 10	< 1	0.04	< 10	0.22	110
1100N-300W	201 229	< 5	0.6	1.38	4	80	< 0.5	< 2	0.08	< 0.5	4	10	15	2.81	< 10	< 1	0.03	< 10	0.17	95
1100N-325W	201 229	< 5	1.0	1.53	12	90	< 0.5	< 2	0.08	< 0.5	4	12	18	3.39	< 10	< 1	0.04	< 10	0.18	105
1100N-350W	201 229	< 5	1.4	1.01	2	70	< 0.5	< 2	0.42	< 0.5	8	8	8	2.46	< 10	< 1	0.06	< 10	0.40	185
1100N-375W	201 229	< 5	0.6	2.82	18	70	< 0.5	< 2	0.16	< 0.5	7	17	51	4.58	< 10	1	0.06	< 10	0.46	655
1100N-400W	201 229	< 5	0.6	3.41	18	90	< 0.5	< 2	0.16	< 0.5	8	19	55	5.24	< 10	1	0.05	< 10	0.52	555
1100N-425W	201 229	< 5	0.6	2.49	16	50	< 0.5	< 2	0.08	< 0.5	5	15	48	4.51	< 10	< 1	0.05	< 10	0.43	340
1100N-450W	201 229	< 5	0.6	3.11	22	80	< 0.5	< 2	0.12	< 0.5	7	17	53	5.03	< 10	< 1	0.04	< 10	0.44	620
1100N-475W	201 229	< 5	0.8	2.79	14	70	< 0.5	< 2	0.07	< 0.5	5	15	45	4.53	< 10	< 1	0.03	< 10	0.38	395
1100N-500W	201 229	< 5	1.0	4.24	28	80	0.5	< 2	0.05	< 0.5	11	21	82	6.13	< 10	< 1	0.03	< 10	0.68	625
1100N-525W	201 229	< 5	0.6	3.35	16	90	< 0.5	< 2	0.13	< 0.5	8	20	55	5.30	< 10	< 1	0.04	< 10	0.51	610

CERTIFICATION: *Hartman*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-JEFF
 Comments:

Page Number : 1-B
 Total Pages : 3
 Certificate Date: 05-OCT-94
 Invoice No. : 19427164
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS A9427164

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7+00N-3+25W	201 229	2	0.03	7	880	2	< 2	3	20	0.20	< 10	< 10	102	< 10	32
L7+00N-3+50W	201 229	< 1	0.05	7	880	< 2	< 2	2	37	0.15	< 10	< 10	35	< 10	24
L7+00N-4+00W	201 229	6	0.01	16	2500	22	< 2	2	18	0.32	< 10	< 10	106	< 10	88
L7+00N-4+25W	201 229	5	< 0.01	13	800	10	< 2	2	22	0.07	< 10	< 10	148	< 10	86
L7+00N-4+75W	201 229	9	< 0.01	4	220	2	< 2	< 1	11	0.64	< 10	< 10	165	< 10	40
L7+00N-5+25W	201 229	1	0.16	14	1140	8	< 2	8	80	0.22	< 10	< 10	75	< 10	62
L7+00N-5+50W	201 229	1	< 0.01	6	1630	6	< 2	4	7	0.24	< 10	< 10	118	< 10	58
L7+00N-5+75W	201 229	< 1	0.01	6	8510	12	< 2	3	13	0.05	< 10	< 10	83	< 10	72
L8+00N-3+00W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
L8+00N-3+25W	201 229	3	< 0.01	22	1500	50	< 2	3	10	0.06	< 10	< 10	53	< 10	112
L8+00N-3+50W	201 229	7	< 0.01	13	1110	16	< 2	4	8	0.03	< 10	< 10	104	< 10	86
L8+00N-3+75W	201 229	6	< 0.01	14	1570	10	< 2	3	10	0.05	< 10	< 10	103	< 10	64
L8+00N-4+00W	201 229	8	< 0.01	15	980	24	< 2	2	7	0.02	< 10	< 10	61	< 10	104
L8+00N-5+00W	201 229	2	0.03	6	510	< 2	< 2	2	23	0.17	< 10	< 10	80	< 10	24
L8+00N-5+25W	201 229	1	0.02	5	560	4	< 2	1	34	0.31	< 10	< 10	63	< 10	22
L8+00N-5+50W	201 229	4	< 0.01	5	1120	18	< 2	5	9	0.14	< 10	< 10	149	< 10	284
L8+00N-5+75W	201 229	1	0.07	7	1630	6	< 2	3	38	0.34	< 10	< 10	70	< 10	92
L8+00N-6+00W	201 229	4	< 0.01	11	420	8	< 2	4	7	0.20	< 10	< 10	134	< 10	64
L9+00N-3+25W	201 229	2	< 0.01	8	1040	14	< 2	2	9	0.15	< 10	< 10	120	< 10	38
L9+00N-3+50W	201 229	4	< 0.01	26	1570	46	< 2	2	48	0.02	< 10	< 10	48	< 10	286
L9+00N-3+75W	201 229	4	0.01	20	2940	10	< 2	4	10	0.14	< 10	< 10	83	< 10	114
L9+00N-4+00W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
L9+00N-4+25W	201 229	4	< 0.01	13	1640	12	< 2	1	16	0.01	< 10	< 10	85	< 10	58
L9+00N-5+25W	201 229	4	< 0.01	33	1160	40	< 2	5	8	0.01	< 10	< 10	45	< 10	236
L9+00N-5+50W	201 229	2	0.04	11	1040	16	< 2	4	20	0.08	< 10	< 10	82	< 10	74
L9+00N-6+00W	201 229	4	0.01	11	990	8	< 2	4	8	0.10	< 10	< 10	110	10	56
1100N-200W	201 229	2	0.02	9	1210	8	< 2	2	16	0.12	< 10	< 10	83	< 10	34
1100N-225W	201 229	1	0.03	9	1100	4	< 2	2	22	0.11	< 10	< 10	68	< 10	28
1100N-250W	201 229	1	0.02	9	1100	8	< 2	2	17	0.12	< 10	< 10	80	< 10	28
1100N-275W	201 229	1	0.03	9	1130	6	< 2	2	22	0.09	< 10	< 10	71	< 10	32
1100N-300W	201 229	1	0.02	8	1020	4	< 2	2	17	0.11	< 10	< 10	67	< 10	26
1100N-325W	201 229	2	0.02	9	1220	8	< 2	2	19	0.10	< 10	< 10	73	< 10	30
1100N-350W	201 229	1	0.09	8	970	2	< 2	2	66	0.32	10	< 10	59	< 10	28
1100N-375W	201 229	1	0.02	10	1800	12	< 2	2	12	0.04	< 10	< 10	53	< 10	66
1100N-400W	201 229	2	0.04	11	1590	8	< 2	2	13	0.05	< 10	< 10	53	< 10	70
1100N-425W	201 229	2	0.01	9	2220	14	< 2	1	7	0.04	< 10	< 10	53	< 10	58
1100N-450W	201 229	1	0.02	10	1700	12	< 2	2	10	0.02	< 10	< 10	49	< 10	66
1100N-475W	201 229	1	< 0.01	9	1280	8	< 2	2	8	0.04	< 10	< 10	50	< 10	56
1100N-500W	201 229	1	< 0.01	16	1910	16	< 2	3	5	0.01	< 10	< 10	41	< 10	98
1100N-525W	201 229	1	0.03	11	1680	12	< 2	2	11	0.04	< 10	< 10	54	< 10	74

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-JEFF
 Comments:

Page Number :2-A
 Total Pages :3
 Certificate Date: 05-OCT-94
 Invoice No. :19427164
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427164

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
1100N-550W	201	229	< 5	0.8	3.43	16	90	< 0.5	< 2	0.13	< 0.5	10	21	71	5.55	10	< 1	0.07	10	0.59	595
1100N-575W	201	229	< 5	0.6	4.54	14	110	0.5	< 2	0.11	1.0	18	29	95	6.56	10	< 1	0.09	10	0.87	845
1300N-200W	201	229	< 5	1.8	1.12	2	40	< 0.5	6	0.10	< 0.5	4	16	22	6.87	40	< 1	0.03	< 10	0.07	195
1300N-225W	201	229	< 5	0.6	3.50	20	90	0.5	< 2	0.19	< 0.5	10	25	46	6.17	10	< 1	0.08	< 10	0.66	365
1300N-250W	201	229	< 5	3.4	2.73	14	130	1.0	< 2	0.23	< 0.5	8	22	39	6.29	20	< 1	0.08	10	0.52	455
1300N-275W	201	229	< 5	0.4	2.74	30	40	< 0.5	< 2	0.03	< 0.5	10	39	45	12.75	20	< 1	0.03	< 10	0.29	300
1300N-300W	201	229	< 5	0.2	2.69	28	70	0.5	< 2	0.27	< 0.5	12	17	37	6.30	10	< 1	0.08	< 10	0.61	2560
1300N-325W	201	229	< 5	1.6	1.05	< 2	60	0.5	2	0.39	< 0.5	11	8	15	3.14	< 10	< 1	0.10	< 10	0.65	290
1300N-350W	201	229	< 5	11.2	1.95	48	60	0.5	< 2	0.15	< 0.5	8	30	23	9.21	30	< 1	0.07	< 10	0.35	235
1300N-375W	201	229	< 5	0.6	2.74	28	100	0.5	< 2	0.06	< 0.5	7	21	69	6.43	10	< 1	0.04	10	0.25	205
1300N-400W	201	229	< 5	0.6	2.38	22	90	0.5	< 2	0.09	< 0.5	7	18	57	5.72	10	< 1	0.05	10	0.24	200
1300N-425W	201	229	< 5	1.4	0.76	< 2	60	< 0.5	< 2	0.62	< 0.5	4	3	12	1.29	< 10	< 1	0.08	< 10	0.22	305
1300N-450W	201	229	< 5	0.8	1.36	< 2	60	0.5	4	0.40	< 0.5	9	9	14	2.67	10	1	0.07	< 10	0.53	170
1300N-475W	201	229	< 5	0.6	1.72	< 2	70	1.0	< 2	1.00	< 0.5	10	10	15	2.78	< 10	< 1	0.17	< 10	0.63	1235
1300N-500W	201	229	< 5	0.6	1.36	< 2	60	1.0	< 2	0.85	< 0.5	8	8	14	2.38	< 10	< 1	0.14	< 10	0.47	1600
1300N-525W	201	229	< 5	0.8	1.20	< 2	70	1.0	< 2	0.49	< 0.5	11	7	13	2.46	< 10	1	0.10	< 10	0.71	205
1300N-550W	201	229	< 5	1.0	1.22	< 2	70	1.0	6	0.48	< 0.5	10	7	15	2.94	10	1	0.09	< 10	0.57	190
1300N-575W	201	229	< 5	1.2	1.03	< 2	70	1.0	2	0.33	0.5	9	8	13	2.34	< 10	< 1	0.09	< 10	0.46	165
1300N-600W	201	229	< 5	0.4	0.98	2	30	1.0	< 2	0.66	< 0.5	9	7	21	2.12	< 10	1	0.12	< 10	0.62	295
1500N-225W	201	229	< 5	0.8	3.21	22	80	2.5	< 2	0.27	0.5	14	19	56	6.17	10	< 1	0.11	10	0.68	925
1500N-250W	201	229	< 5	0.4	2.79	14	170	< 0.5	< 2	0.04	< 0.5	10	22	47	3.44	10	< 1	0.11	10	0.30	550
1500N-275W	201	229	< 5	3.0	1.73	24	90	< 0.5	< 2	0.08	< 0.5	6	17	23	5.44	20	< 1	0.05	10	0.20	255
1500N-300W	201	229	< 5	1.6	1.23	14	60	< 0.5	2	0.29	< 0.5	11	15	24	4.88	30	< 1	0.07	< 10	0.52	290
1500N-325W	201	229	< 5	1.2	0.69	< 2	20	< 0.5	2	0.46	< 0.5	8	10	15	2.06	< 10	< 1	0.08	< 10	0.45	335
1500N-350W	201	229	< 5	2.4	1.16	< 2	130	< 0.5	4	0.58	< 0.5	10	5	12	2.56	< 10	< 1	0.09	< 10	0.64	180
1500N-375W	201	229	< 5	3.8	1.57	116	60	< 0.5	< 2	0.23	< 0.5	8	14	40	4.46	< 10	< 1	0.08	< 10	0.50	310
1500N-400W	201	229	95	2.0	1.18	194	50	< 0.5	< 2	0.21	< 0.5	9	8	30	3.01	< 10	< 1	0.10	< 10	0.39	285
1500N-425W	201	229	< 5	0.4	1.98	22	70	< 0.5	< 2	0.18	< 0.5	8	22	35	4.95	10	< 1	0.12	< 10	0.49	620
1500N-450W	201	229	< 5	0.2	5.79	26	70	0.5	< 2	0.11	0.5	12	43	157	8.16	< 10	< 1	0.05	10	0.93	975
1500N-475W	203	205	< 5	0.8	2.37	48	70	< 0.5	< 2	0.58	< 0.5	12	36	27	4.70	< 10	< 1	0.11	< 10	1.04	505
1500N-500W	203	205	< 5	0.8	2.09	32	80	< 0.5	4	0.74	< 0.5	12	34	22	3.98	< 10	< 1	0.14	< 10	1.07	495
1600N-200W	201	229	< 5	5.0	1.51	2	90	< 0.5	< 2	0.34	< 0.5	9	14	19	2.80	10	< 1	0.07	< 10	0.50	285
1600N-225W	201	229	< 5	1.4	1.55	16	70	< 0.5	< 2	0.31	< 0.5	9	10	26	2.94	10	< 1	0.09	10	0.52	190
1600N-250W	201	229	< 5	0.8	1.08	12	50	< 0.5	< 2	0.22	< 0.5	11	10	14	2.57	10	< 1	0.06	10	0.41	210
1600N-275W	203	205	< 5	3.4	0.65	< 2	20	< 0.5	< 2	0.42	< 0.5	7	10	11	1.72	< 10	< 1	0.14	< 10	0.40	805
1600N-300W	201	229	< 5	0.8	1.73	12	70	< 0.5	2	0.11	< 0.5	8	11	20	1.95	10	< 1	0.04	10	0.17	80
1600N-325W	201	229	< 5	0.8	1.21	< 2	40	< 0.5	< 2	0.33	< 0.5	11	10	16	3.01	< 10	< 1	0.06	< 10	0.62	235
1600N-350W	201	229	< 5	1.2	1.24	< 2	70	< 0.5	2	0.48	0.5	12	7	13	2.89	< 10	1	0.10	< 10	0.77	245
1600N-375W	201	229	< 5	1.0	2.62	22	100	0.5	< 2	0.13	< 0.5	7	38	36	7.63	20	< 1	0.05	< 10	0.50	220
1600N-400W	201	229	< 5	1.2	3.78	42	80	1.0	< 2	0.09	< 0.5	7	40	54	7.59	10	< 1	0.07	< 10	0.51	360

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-JEFF
 Comments:

Page Number :2-B
 Total Pages :3
 Certificate Date: 05-OCT-94
 Invoice No. :19427164
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427164

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1100N-550W	201 229	1	0.04	11	1670	14	2	3	13	0.06	< 10	< 10	71	< 10	86
1100N-575W	201 229	2	0.02	19	2560	20	6	6	10	0.03	< 10	< 10	61	< 10	130
1300N-200W	201 229	4	0.01	3	660	16	10	2	14	0.46	< 10	< 10	142	< 10	32
1300N-225W	201 229	4	0.07	12	1210	18	4	7	21	0.16	< 10	< 10	103	< 10	76
1300N-250W	201 229	2	0.09	12	700	22	6	5	28	0.35	< 10	< 10	107	< 10	76
1300N-275W	201 229	3	< 0.01	12	1030	14	14	6	4	0.14	< 10	< 10	135	< 10	64
1300N-300W	201 229	2	0.06	9	1530	8	8	5	23	0.11	< 10	< 10	114	< 10	54
1300N-325W	201 229	1	0.14	9	1070	4	4	4	41	0.42	< 10	< 10	73	< 10	38
1300N-350W	201 229	4	0.06	10	650	22	12	3	16	0.22	< 10	< 10	118	< 10	62
1300N-375W	201 229	4	0.01	12	1380	18	6	4	7	0.04	< 10	< 10	99	< 10	82
1300N-400W	201 229	3	0.02	10	1290	18	8	3	12	0.04	< 10	< 10	89	< 10	70
1300N-425W	201 229	< 1	0.06	4	1140	2	2	1	40	0.17	< 10	< 10	26	< 10	44
1300N-450W	201 229	1	0.14	8	1040	8	2	4	45	0.39	< 10	< 10	61	< 10	32
1300N-475W	201 229	1	0.29	9	940	6	6	5	98	0.38	< 10	< 10	69	< 10	32
1300N-500W	201 229	1	0.21	7	970	4	2	3	72	0.32	< 10	< 10	60	< 10	32
1300N-525W	201 229	1	0.18	10	890	6	2	3	67	0.36	< 10	< 10	57	< 10	54
1300N-550W	201 229	1	0.14	8	1110	8	6	4	65	0.47	< 10	< 10	70	< 10	38
1300N-575W	201 229	< 1	0.11	8	1010	< 2	4	3	56	0.34	< 10	< 10	57	< 10	36
1300N-600W	201 229	< 1	0.19	8	960	< 2	4	3	54	0.28	< 10	< 10	48	< 10	36
1500N-225W	201 229	2	0.10	12	2790	22	4	6	25	0.17	< 10	< 10	89	< 10	78
1500N-250W	201 229	1	< 0.01	10	850	8	4	4	3	0.04	< 10	< 10	61	< 10	70
1500N-275W	201 229	4	0.02	10	3020	20	6	3	13	0.14	< 10	< 10	70	< 10	60
1500N-300W	201 229	6	0.09	11	810	18	8	3	37	0.43	< 10	< 10	119	< 10	70
1500N-325W	201 229	1	0.09	8	950	2	4	2	28	0.30	< 10	< 10	58	< 10	44
1500N-350W	201 229	< 1	0.13	9	960	2	4	4	76	0.39	< 10	< 10	58	< 10	30
1500N-375W	201 229	1	0.06	12	2190	14	6	3	24	0.20	< 10	< 10	76	< 10	50
1500N-400W	201 229	1	0.08	9	1020	4	4	3	23	0.18	< 10	< 10	65	< 10	46
1500N-425W	201 229	2	0.04	11	1520	16	4	3	18	0.14	< 10	< 10	78	< 10	78
1500N-450W	201 229	2	< 0.01	36	1980	20	12	6	7	< 0.01	< 10	< 10	61	< 10	140
1500N-475W	203 205	2	0.17	20	870	8	4	6	58	0.21	< 10	< 10	80	< 10	100
1500N-500W	203 205	1	0.23	17	890	6	4	6	77	0.22	< 10	< 10	68	< 10	86
1600N-200W	201 229	2	0.11	10	560	10	4	4	42	0.31	< 10	< 10	97	< 10	46
1600N-225W	201 229	2	0.12	10	700	4	4	4	34	0.20	< 10	< 10	102	< 10	48
1600N-250W	201 229	3	0.09	10	400	8	2	2	23	0.19	< 10	< 10	99	< 10	38
1600N-275W	203 205	< 1	0.07	6	1440	4	2	2	30	0.24	< 10	< 10	37	< 10	36
1600N-300W	201 229	1	0.01	7	310	2	4	3	10	0.06	< 10	< 10	95	< 10	28
1600N-325W	201 229	1	0.09	10	840	4	4	3	26	0.27	< 10	< 10	95	< 10	34
1600N-350W	201 229	< 1	0.16	11	980	2	2	4	54	0.38	< 10	< 10	68	< 10	40
1600N-375W	201 229	3	0.03	18	770	22	6	4	15	0.12	< 10	< 10	98	< 10	78
1600N-400W	201 229	4	0.02	14	1450	22	6	6	11	0.10	< 10	< 10	99	< 10	90

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-JEFF
 Comments:

Page Number : 3-A
 Total Pages : 3
 Certificate Date: 05-OCT-94
 Invoice No. : I9427164
 P.O. Number :
 Account : BJS

CERTIFICATE OF ANALYSIS

A9427164

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1600N-425W	201 229	< 5	2.0	1.21	14	70	< 0.5	< 2	0.38	< 0.5	9	10	11	3.27	< 10	< 1	0.08	< 10	0.57	245
1700N-200W	201 229	< 5	3.0	1.10	6	120	< 0.5	< 2	1.03	0.5	8	12	12	3.38	< 10	< 1	0.04	< 10	0.32	775
1700N-225W	203 205	< 5	3.8	1.56	4	140	< 0.5	< 2	1.71	0.5	14	17	15	3.01	< 10	1	0.12	< 10	0.94	1275
1700N-250W	203 205	< 5	1.4	0.51	< 2	110	< 0.5	< 2	1.32	0.5	4	6	9	1.04	< 10	< 1	0.05	< 10	0.19	90
1700N-275W	203 205	< 5	4.2	1.49	14	160	< 0.5	< 2	1.91	0.5	13	15	14	2.91	< 10	1	0.13	< 10	0.98	555
1700N-300W	203 205	< 5	9.0	1.18	14	170	< 0.5	< 2	2.02	1.0	9	10	14	1.95	< 10	1	0.10	< 10	0.58	420
1700N-325W	201 229	< 5	1.6	1.94	8	90	< 0.5	< 2	0.35	< 0.5	8	25	17	3.59	< 10	1	0.07	< 10	0.58	270
1700N-350W	201 229	< 5	1.4	1.84	4	80	< 0.5	< 2	0.29	< 0.5	7	27	17	3.20	< 10	1	0.08	< 10	0.52	285
1700N-375W	201 229	< 5	1.2	0.91	2	40	< 0.5	< 2	0.46	< 0.5	7	13	8	2.48	< 10	< 1	0.09	< 10	0.53	290
1800N-200W	201 229	15	2.4	2.78	34	210	1.0	< 2	1.21	1.5	18	21	76	4.47	< 10	1	0.12	10	0.85	2450
1800N-225W	203 205	< 5	1.6	1.19	< 2	100	< 0.5	< 2	0.52	1.0	9	10	14	2.08	< 10	< 1	0.09	< 10	0.56	205
1800N-250W	201 229	< 5	3.8	3.90	10	110	1.5	< 2	0.40	1.5	4	33	103	2.27	< 10	< 1	0.07	10	0.41	620
1800N-275W	201 229	< 5	0.4	0.80	< 2	40	< 0.5	< 2	0.51	< 0.5	5	12	8	1.58	< 10	< 1	0.10	< 10	0.44	185
1800N-300W	201 229	< 5	1.4	0.69	4	60	< 0.5	< 2	0.06	< 0.5	4	10	11	1.47	< 10	< 1	0.04	< 10	0.08	65
1800N-325W	201 229	< 5	0.8	1.30	4	60	< 0.5	< 2	0.59	< 0.5	10	7	10	2.44	< 10	< 1	0.11	< 10	0.71	315
1800N-350W	201 229	< 5	1.6	0.95	< 2	30	< 0.5	< 2	0.25	< 0.5	7	8	7	2.26	< 10	< 1	0.06	< 10	0.46	170
1800N-375W	201 229	< 5	1.4	0.99	10	60	< 0.5	< 2	0.27	< 0.5	4	10	15	2.83	< 10	< 1	0.07	< 10	0.25	300
1800N-400W	201 229	< 5	1.0	1.08	10	50	< 0.5	< 2	0.21	< 0.5	3	12	17	3.18	< 10	< 1	0.07	< 10	0.17	290
1900N-200W	201 229	< 5	3.2	0.75	26	40	< 0.5	< 2	0.35	< 0.5	4	6	10	1.91	< 10	< 1	0.03	< 10	0.21	390
1900N-225W	201 229	< 5	1.4	1.96	14	80	< 0.5	< 2	0.28	< 0.5	6	18	12	4.57	< 10	< 1	0.07	< 10	0.46	235
1900N-250W	201 229	< 5	1.6	1.37	8	70	< 0.5	< 2	0.30	< 0.5	6	13	10	3.50	< 10	< 1	0.07	< 10	0.41	230
1900N-275W	203 205	< 5	1.8	0.82	< 2	120	< 0.5	< 2	0.20	0.5	4	8	9	1.08	< 10	1	0.06	< 10	0.26	75
1900N-300W	201 229	< 5	0.6	1.50	4	40	< 0.5	< 2	0.66	0.5	13	10	11	3.56	< 10	< 1	0.11	< 10	1.10	300
1900N-325W	201 229	< 5	2.0	3.32	12	250	< 0.5	< 2	0.14	2.0	6	49	15	1.84	< 10	< 1	0.03	< 10	0.42	120
1900N-350W	201 229	< 5	0.2	2.90	28	150	< 0.5	< 2	0.04	< 0.5	3	25	35	5.41	< 10	< 1	0.03	10	0.29	85

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.
 2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :3-B
 Total Pages :3
 Certificate Date: 05-OCT-94
 Invoice No. :19427164
 P.O. Number :
 Account :BSJ

Project : 134-JEFF
 Comments:

CERTIFICATE OF ANALYSIS A9427164

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1600N-425W	201 229	2	0.13	10	880	4	< 2	2	37	0.28	< 10	< 10	76	< 10	38
1700N-200W	201 229	1	0.05	8	820	14	< 2	2	104	0.53	< 10	< 10	89	< 10	32
1700N-225W	203 205	1	0.21	14	1080	4	< 2	4	173	0.35	< 10	< 10	61	< 10	42
1700N-250W	203 205	< 1	0.03	4	820	2	< 2	1	138	0.11	< 10	< 10	19	< 10	24
1700N-275W	203 205	1	0.25	13	890	< 2	< 2	4	174	0.36	10	< 10	58	< 10	52
1700N-300W	203 205	< 1	0.16	10	910	4	< 2	3	180	0.23	< 10	< 10	37	< 10	52
1700N-325W	201 229	4	0.13	18	770	2	< 2	4	36	0.23	< 10	< 10	82	< 10	74
1700N-350W	201 229	3	0.10	20	840	2	< 2	4	32	0.17	< 10	< 10	75	< 10	78
1700N-375W	201 229	1	0.13	9	780	2	< 2	2	40	0.32	< 10	< 10	72	< 10	42
1800N-200W	201 229	2	0.11	34	1480	16	< 2	4	98	0.12	< 10	< 10	49	< 10	208
1800N-225W	203 205	< 1	0.14	10	910	2	< 2	2	81	0.22	< 10	< 10	40	< 10	42
1800N-250W	201 229	3	0.02	26	3110	26	< 2	3	37	0.12	< 10	< 10	49	< 10	378
1800N-275W	201 229	< 1	0.11	6	890	< 2	< 2	2	53	0.22	< 10	< 10	33	< 10	34
1800N-300W	201 229	2	0.01	8	700	2	< 2	1	25	0.12	< 10	< 10	53	< 10	54
1800N-325W	201 229	1	0.19	9	1070	2	< 2	3	75	0.29	< 10	< 10	53	< 10	34
1800N-350W	201 229	1	0.09	8	840	2	< 2	2	32	0.26	< 10	< 10	58	< 10	28
1800N-375W	201 229	6	0.04	10	980	6	< 2	2	29	0.16	< 10	< 10	73	< 10	62
1800N-400W	201 229	8	0.02	10	980	< 2	< 2	2	24	0.11	< 10	< 10	78	< 10	66
1900N-200W	201 229	1	0.03	5	590	10	< 2	1	42	0.15	< 10	< 10	39	< 10	42
1900N-225W	201 229	1	0.08	8	510	8	< 2	4	28	0.24	10	< 10	134	< 10	42
1900N-250W	201 229	2	0.07	8	590	< 2	< 2	2	28	0.23	< 10	< 10	112	< 10	32
1900N-275W	203 205	< 1	0.05	5	690	8	< 2	1	48	0.12	< 10	< 10	29	< 10	32
1900N-300W	201 229	1	0.26	13	810	2	< 2	4	64	0.46	< 10	< 10	82	< 10	40
1900N-325W	201 229	9	0.01	20	520	24	< 2	4	13	0.07	< 10	< 10	106	< 10	172
1900N-350W	201 229	3	0.01	7	570	8	2	6	10	0.04	< 10	< 10	172	< 10	48

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

127.071.009

A9427165

Comments:

CERTIFICATE **A9427165**

(BSJ) - GRANGES INC.

Project: 134-R *Grid* *SILT*
 P.O.#:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 4-OCT-94.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	3	Dry, sieve to -80 mesh
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
229	5	ICP - AQ Digestion charge

* NOTE 1:

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	5	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	5	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	5	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	5	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GHANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project: 134-R *Grid*
Comments:

SILT
PLOTTED IN SOIL GEOCHEM MA

Page Number: 1-A
Total Pages: 1
Certificate Date: 04-OCT-94
Invoice No.: 19427165
P.O. Number:
Account: BSJ

CERTIFICATE OF ANALYSIS

A9427165

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
4+90-5+30W	201	229	< 5	0.4	2.48	206	160	0.5	< 2	0.77	0.5	21	20	13	5.85	< 10	< 1	0.10	10	0.70	1400
14+00N-3+70W	201	229	< 5	0.8	1.41	46	290	< 0.5	< 2	0.69	5.5	20	20	56	5.28	< 10	< 1	0.13	< 10	0.48	3150
17+00N-8+75W	203	205	< 5	0.2	1.93	72	300	< 0.5	< 2	0.47	2.0	21	40	23	4.86	< 10	1	0.13	< 10	0.64	3030
19+00N-7+25W	201	229	< 5	0.2	2.16	20	210	< 0.5	< 2	0.67	< 0.5	15	33	46	4.78	< 10	< 1	0.10	10	0.81	1435
20+15-8+85W	203	205	< 5	0.4	2.04	28	270	< 0.5	< 2	0.64	1.0	15	46	49	4.52	< 10	< 1	0.17	10	0.93	990

CERTIFICATION: *Hautz Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :6-B
 Total Pages :7
 Certificate Date: 03-OCT-94
 Invoice No. :19427173
 P.O. Number :
 Account :BSJ

Project : UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Ag	ppm
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	Aqua R
394104	205	226	< 1	0.10	1	640	4	4	4	29	0.14	< 10	< 10	58	< 10	54	< 0.2	
394105	205	226	1	0.10	4	850	18	< 2	6	73	0.15	< 10	< 10	93	< 10	80	< 0.2	
394106	205	226	6	0.07	26	1500	14	< 2	11	27	0.06	< 10	< 10	159	< 10	108	< 0.2	
394107	205	226	1	0.02	16	150	6	6	8	45	< 0.01	< 10	< 10	32	< 10	82	< 0.2	
394108	205	226	1	0.06	1	280	12	< 2	1	14	< 0.01	< 10	< 10	4	< 10	26	< 0.2	
394109	205	226	2	0.01	1	40	40	18	< 1	3	< 0.01	< 10	< 10	1	< 10	24	0.9	
394110	205	226	< 1	0.05	16	940	14	2	6	57	< 0.01	< 10	< 10	48	< 10	76	< 0.2	
394111	205	226	1	0.07	14	990	12	4	6	112	< 0.01	< 10	< 10	64	< 10	72	< 0.2	
394112	205	226	1	0.03	4	1010	14	18	7	44	< 0.01	< 10	< 10	39	< 10	138	< 0.2	
394113	205	226	1	0.06	1	1030	10	< 2	4	64	0.13	< 10	< 10	53	< 10	100	< 0.2	
394114	205	226	< 1	0.07	2	680	18	4	4	14	0.16	< 10	< 10	39	< 10	64	< 0.2	
394115	205	226	1	0.09	1	730	18	8	4	20	< 0.01	< 10	< 10	61	< 10	72	< 0.2	
394116	205	226	1	0.09	35	1010	4	< 2	22	106	< 0.01	< 10	< 10	188	< 10	126	< 0.2	
394117	205	226	1	0.08	12	490	6	4	13	149	< 0.01	< 10	< 10	89	< 10	90	< 0.2	
394118	205	226	< 1	0.07	9	550	6	< 2	7	51	< 0.01	< 10	< 10	62	< 10	74	< 0.2	
394119	205	226	1	0.04	4	310	14	2	2	49	< 0.01	< 10	< 10	7	< 10	74	< 0.2	
394120	205	226	< 1	0.06	4	240	12	2	2	17	< 0.01	< 10	< 10	8	< 10	82	< 0.2	
394121	205	226	2	0.01	1	80	16	6	< 1	12	< 0.01	< 10	< 10	3	< 10	4	< 0.2	
394122	205	226	10	0.01	8	40	58	6	1	3	< 0.01	< 10	< 10	29	< 10	2	9.5	
394123	205	226	13	0.02	3	510	42	< 2	2	6	< 0.01	< 10	< 10	15	< 10	56	2.2	
394124	205	226	< 1	0.02	2	1590	8	< 2	10	43	< 0.01	< 10	< 10	53	< 10	96	< 0.2	
394125	205	226	1	0.08	1	1670	4	4	7	43	< 0.01	< 10	< 10	112	< 10	114	< 0.2	
394126	205	226	1	0.07	6	1570	10	< 2	11	144	0.03	< 10	< 10	130	< 10	108	< 0.2	
394127	205	226	< 1	0.07	1	1960	8	6	7	76	0.09	< 10	< 10	100	< 10	112	< 0.2	
394128	205	226	1	0.07	11	1650	12	4	15	152	0.12	< 10	< 10	141	< 10	136	< 0.2	
394129	205	226	< 1	0.09	10	1240	6	< 2	11	130	< 0.01	< 10	< 10	72	< 10	106	< 0.2	
394130	205	226	2	0.16	7	1360	14	2	12	233	< 0.01	< 10	< 10	75	< 10	162	< 0.2	
394131	205	226	1	0.07	1	2300	8	< 2	9	399	0.18	< 10	< 10	116	< 10	130	< 0.2	
494001	205	226	3	0.09	1	2360	6	2	9	26	< 0.01	< 10	< 10	40	< 10	114	< 0.2	
494002	205	226	6	0.07	2	630	10	2	6	21	< 0.01	< 10	< 10	42	< 10	70	< 0.2	
494003	205	226	2	0.02	14	380	22	< 2	2	8	< 0.01	< 10	< 10	56	< 10	102	1.2	
494004	205	226	1	0.08	15	820	2	10	25	23	0.42	< 10	< 10	236	< 10	94	< 0.2	
494005	205	226	< 1	0.03	45	1040	18	10	10	415	< 0.01	< 10	< 10	30	< 10	174	0.2	
494006	205	226	2	0.03	2	90	16	4	1	10	< 0.01	< 10	< 10	5	< 10	38	< 0.2	
494007	205	226	4	0.03	2	90	16	6	< 1	14	< 0.01	< 10	< 10	1	< 10	14	< 0.2	
494008	205	226	2	0.04	12	1950	22	< 2	13	306	< 0.01	< 10	< 10	101	< 10	104	< 0.2	
494009	205	226	1	0.02	1	100	20	12	< 1	4	< 0.01	< 10	< 10	1	< 10	6	< 0.2	
494010	205	226	2	0.09	1	40	10	< 2	< 1	8	< 0.01	< 10	< 10	2	< 10	10	< 0.2	
494011	205	226	< 1	0.04	16	850	8	< 2	4	43	< 0.01	< 10	< 10	36	< 10	82	< 0.2	
494012	205	226	4	0.02	16	2140	108	2	9	122	< 0.01	< 10	< 10	32	< 10	490	1.6	

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Page Number : 1-A
Total Pages : 7
Certificate Date: 03-OCT-94
Invoice No. : I9427173
P.O. Number :
Account : BSJ

Project : UNUK #134
Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS A9427173

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
494013	205 226	< 5	1.6	1.06	52	130	0.5	< 2	0.33	< 0.5	3	34	34	3.18	< 10	< 1	0.47	< 10	0.04	80
494014	205 226	< 5	0.8	1.03	78	120	0.5	< 2	0.72	1.0	4	47	53	3.86	< 10	< 1	0.44	< 10	0.23	250
494015	205 226	< 5	< 0.2	0.76	18	130	< 0.5	2	6.28	0.5	9	125	19	3.97	< 10	< 1	0.40	< 10	1.53	1100
494016	205 226	30	< 0.2	0.57	20	190	< 0.5	< 2	6.37	< 0.5	7	35	44	3.33	< 10	< 1	0.31	< 10	0.76	1145
494017	205 226	10	0.2	2.63	72	210	< 0.5	< 2	1.72	0.5	13	57	40	3.99	< 10	< 1	0.78	< 10	0.96	695

CERTIFICATION: *Hart Beckler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Page Number : 7-B
Total Pages : 7
Certificate Date: 03-OCT-94
Invoice No. : I9427173
P.O. Number :
Account : BSJ

Project : UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Ag	ppm
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
494013	205	226	2	0.02	18	2040	28	6	7	49	< 0.01	< 10	< 10	35	< 10	186		1.2
494014	205	226	3	0.02	32	1000	24	12	6	73	< 0.01	< 10	< 10	24	< 10	176		0.8
494015	205	226	1	0.02	4	710	14	4	4	235	< 0.01	< 10	< 10	15	< 10	146		< 0.2
494016	205	226	2	0.05	6	800	26	< 2	3	221	< 0.01	< 10	< 10	19	< 10	152		< 0.2
494017	205	226	< 1	0.01	22	900	14	2	4	46	< 0.01	< 10	< 10	44	< 10	78		0.4

CERTIFICATION:

Hart Bickler

134.041.009



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.
 2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

A9427159

Comments:

CERTIFICATE **A9427159**

(BSJ) - GRANGES INC.

Project #: 134-R *Grid Soils*

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 3-OCT-94.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	121	Dry, sieve to -80 mesh
229	121	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Tl, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	124	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	124	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	124	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	124	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	124	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	124	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	124	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	124	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	124	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	124	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	124	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	124	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	124	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	124	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	124	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	124	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	124	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	124	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	124	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	124	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	124	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	124	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	124	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	124	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	124	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	124	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	124	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	124	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	124	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	124	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	124	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	124	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	124	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R Grid Soils
 Comments:

Page Number : 1-A
 Total Pages : 4
 Certificate Date: 03-OCT-94
 Invoice No. : I9427159
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427159

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
500N-000W	201 229	< 5	0.2	1.61	< 2	60	< 0.5	8	0.90	< 0.5	15	16	20	3.51	20	< 1	0.17	< 10	1.25	360
500N-025W	201 229	< 5	< 0.2	1.57	< 2	60	< 0.5	6	0.37	< 0.5	8	19	21	4.36	30	< 1	0.08	< 10	0.52	190
500N-050W	201 229	< 5	< 0.2	1.72	2	40	< 0.5	8	0.74	< 0.5	13	20	20	3.18	20	< 1	0.12	< 10	0.84	255
500N-075W	201 229	< 5	0.2	1.29	2	70	< 0.5	4	0.61	< 0.5	12	9	20	3.22	10	1	0.10	< 10	0.86	235
500N-100W	201 229	< 5	0.8	2.17	6	30	< 0.5	< 2	0.10	0.5	6	24	20	6.96	40	< 1	0.07	20	0.19	320
500N-125W	201 229	< 5	0.8	3.43	< 2	30	< 0.5	< 2	0.24	0.5	13	29	27	5.80	20	< 1	0.08	20	0.63	560
500N-150W	201 229	< 5	1.8	3.58	< 2	40	< 0.5	< 2	0.19	0.5	8	56	29	6.68	20	< 1	0.08	10	0.52	290
500N-175W	201 229	< 5	0.4	2.51	< 2	40	< 0.5	< 2	0.24	0.5	7	38	19	4.76	30	< 1	0.05	10	0.47	200
500N-200W	201 229	< 5	2.4	2.03	46	110	< 0.5	< 2	0.25	< 0.5	6	22	24	7.03	20	< 1	0.06	10	0.29	265
500N-250W	201 229	< 5	0.4	1.71	< 2	130	< 0.5	< 2	0.97	0.5	18	12	18	3.51	< 10	< 1	0.17	< 10	1.25	350
500N-275W	201 229	< 5	0.4	1.86	2	70	< 0.5	< 2	0.73	0.5	15	19	23	3.82	10	< 1	0.14	< 10	0.94	715
500N-300W	201 229	< 5	1.6	3.09	< 2	40	< 0.5	< 2	0.39	1.0	13	27	35	6.44	20	< 1	0.08	10	0.80	290
500N-325W	201 229	< 5	0.4	2.13	6	70	< 0.5	< 2	0.39	< 0.5	11	33	22	5.71	30	< 1	0.11	< 10	0.61	345
500N-350W	201 229	< 5	1.4	4.65	4	130	< 0.5	< 2	0.17	1.0	27	32	75	6.91	10	< 1	0.10	10	0.63	1350
500N-375W	201 229	< 5	2.4	2.15	< 2	30	< 0.5	< 2	0.20	< 0.5	7	28	20	5.34	30	< 1	0.07	< 10	0.45	165
500N-400W	201 229	< 5	0.6	1.55	2	60	< 0.5	4	0.22	0.5	7	26	23	6.13	30	< 1	0.05	< 10	0.30	180
500N-425W	201 229	< 5	0.2	1.42	6	70	< 0.5	< 2	0.04	0.5	6	33	20	5.27	30	< 1	0.03	< 10	0.16	100
500N-450W	201 229	< 5	0.8	1.47	< 2	50	< 0.5	2	0.20	0.5	10	16	19	3.62	20	< 1	0.06	< 10	0.36	200
500N-475W	201 229	< 5	1.8	1.01	< 2	70	< 0.5	< 2	0.58	0.5	10	10	16	2.42	< 10	< 1	0.09	< 10	0.48	485
500N-500W	201 229	< 5	3.0	1.32	< 2	70	< 0.5	< 2	0.52	0.5	12	13	18	3.72	10	1	0.10	< 10	0.63	465
500N-525W	201 229	45	2.0	3.69	8	20	< 0.5	< 2	0.19	< 0.5	7	33	23	6.20	20	< 1	0.06	10	0.34	215
500N-575W	201 229	< 5	1.0	1.61	4	20	< 0.5	< 2	0.31	0.5	12	34	19	5.80	30	< 1	0.08	10	0.41	850
500N-600W	201 229	< 5	0.4	1.33	32	80	< 0.5	< 2	0.38	0.5	8	9	12	2.23	< 10	< 1	0.13	10	0.52	255
500N-625W	201 229	< 5	0.2	1.09	2	30	< 0.5	< 2	0.29	< 0.5	9	15	19	3.88	20	< 1	0.08	< 10	0.39	245
500N-650W	201 229	< 5	0.8	1.13	< 2	140	< 0.5	2	0.29	0.5	11	18	26	4.47	20	< 1	0.06	< 10	0.37	250
500N-675W	201 229	15	2.4	1.05	148	120	< 0.5	< 2	0.17	0.5	8	29	33	5.55	< 10	< 1	0.17	10	0.31	330
500N-700W	201 229	< 5	0.8	2.75	< 2	110	< 0.5	< 2	0.36	1.0	22	31	25	6.70	20	< 1	0.09	40	0.66	1680
500N-725W	201 229	< 5	3.4	3.23	30	30	< 0.5	< 2	0.14	1.0	7	27	37	12.35	70	< 1	0.06	10	0.20	545
500N-750W	201 229	10	1.0	1.04	4	40	< 0.5	< 2	0.21	< 0.5	9	26	23	5.55	30	< 1	0.07	10	0.25	245
500N-775W	201 229	< 5	1.4	1.20	4	90	< 0.5	8	0.30	0.5	11	16	20	4.63	20	< 1	0.08	< 10	0.58	230
500N-800W	201 229	< 5	1.6	1.66	< 2	430	< 0.5	< 2	2.54	1.0	17	14	17	3.02	< 10	< 1	0.11	10	0.95	815
500N-825W	201 229	< 5	1.4	1.15	48	50	< 0.5	< 2	0.46	< 0.5	7	16	19	3.18	< 10	1	0.09	< 10	0.31	675
500N-850W	201 229	< 5	1.6	1.47	< 2	450	< 0.5	< 2	2.55	1.0	14	12	16	2.57	< 10	< 1	0.09	10	0.81	865
500N-875W	201 229	< 5	< 0.2	1.34	2	270	< 0.5	< 2	0.42	0.5	14	9	13	3.54	< 10	< 1	0.09	< 10	0.68	365
500N-900W	201 229	< 5	0.2	1.20	8	70	< 0.5	< 2	0.29	0.5	14	11	17	4.24	< 10	< 1	0.06	< 10	0.35	230
500N-925W	201 229	< 5	0.4	1.38	6	130	< 0.5	2	0.32	0.5	8	23	21	5.17	10	< 1	0.06	< 10	0.42	195
500N-975W	201 229	< 5	0.6	0.98	< 2	150	< 0.5	2	0.51	0.5	10	12	17	3.17	< 10	1	0.08	< 10	0.50	220
500N-1000W	201 229	< 5	0.8	1.42	< 2	70	< 0.5	2	0.39	0.5	10	16	19	4.49	20	< 1	0.09	< 10	0.58	215
500N-1025W	201 229	< 5	0.4	1.25	< 2	110	< 0.5	< 2	0.64	0.5	12	9	16	2.91	< 10	< 1	0.13	< 10	0.70	435
500N-1050W	201 229	140	0.8	1.21	4	200	< 0.5	2	0.44	< 0.5	12	13	20	3.45	10	1	0.09	< 10	0.61	270

CERTIFICATION: *Heidi Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1-B
 Total Pages : 4
 Certificate Date: 03-OCT-94
 Invoice No. : I9427159
 P.O. Number :
 Account : BSJ

Project : 134-R
 Comments:

CERTIFICATE OF ANALYSIS

A9427159

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
500N-000W	201 229	< 1	0.33	13	1060	< 2	< 2	5	91	0.47	< 10	< 10	84	< 10	50
500N-025W	201 229	1	0.14	8	580	2	< 2	3	37	0.62	< 10	< 10	136	< 10	30
500N-050W	201 229	< 1	0.23	13	830	2	< 2	6	69	0.45	< 10	< 10	110	< 10	42
500N-075W	201 229	< 1	0.18	10	860	< 2	< 2	6	58	0.46	< 10	< 10	76	< 10	38
500N-100W	201 229	5	0.04	3	520	10	4	3	9	0.42	< 10	< 10	83	< 10	52
500N-125W	201 229	3	0.07	10	850	< 2	2	6	19	0.56	< 10	< 10	121	< 10	48
500N-150W	201 229	3	0.07	11	800	4	4	8	18	0.40	< 10	< 10	102	< 10	40
500N-175W	201 229	2	0.07	7	480	6	4	4	23	0.43	< 10	< 10	127	< 10	40
500N-200W	201 229	5	0.06	6	960	8	12	4	26	0.16	< 10	< 10	97	< 10	46
500N-250W	201 229	< 1	0.36	13	980	< 2	2	6	111	0.47	< 10	< 10	82	< 10	46
500N-275W	201 229	1	0.26	11	910	2	4	6	66	0.32	< 10	< 10	107	< 10	46
500N-300W	201 229	1	0.11	11	820	< 2	4	7	35	0.75	< 10	< 10	142	< 10	44
500N-325W	201 229	3	0.14	11	910	4	4	5	41	0.47	< 10	< 10	131	< 10	42
500N-350W	201 229	1	0.04	14	1030	2	6	13	18	0.33	< 10	< 10	135	< 10	80
500N-375W	201 229	< 1	0.06	8	530	4	8	4	20	0.64	< 10	< 10	161	< 10	38
500N-400W	201 229	3	0.05	6	620	4	4	3	24	0.59	< 10	< 10	151	< 10	42
500N-425W	201 229	2	0.02	8	630	2	2	2	13	0.26	< 10	< 10	127	< 10	30
500N-450W	201 229	1	0.07	6	700	6	< 2	3	23	0.69	< 10	< 10	128	< 10	28
500N-475W	201 229	1	0.10	9	1220	< 2	2	3	49	0.37	< 10	< 10	63	< 10	42
500N-500W	201 229	< 1	0.15	8	850	< 2	2	4	51	0.55	< 10	< 10	113	< 10	38
500N-525W	201 229	2	0.05	6	850	6	4	8	15	0.56	< 10	< 10	127	< 10	46
500N-575W	201 229	4	0.08	9	1430	8	2	2	29	0.46	< 10	< 10	112	< 10	46
500N-600W	201 229	2	0.12	7	650	< 2	4	3	35	0.14	< 10	< 10	53	< 10	44
500N-625W	201 229	1	0.07	6	1090	4	2	2	24	0.68	< 10	< 10	136	< 10	34
500N-650W	201 229	2	0.09	12	860	6	4	2	30	0.69	< 10	< 10	149	< 10	26
500N-675W	201 229	7	0.03	19	3020	22	6	3	17	0.09	< 10	< 10	50	< 10	72
500N-700W	201 229	1	0.08	13	1470	4	6	4	30	0.53	< 10	< 10	125	< 10	72
500N-725W	201 229	6	0.04	4	1060	16	10	4	18	0.45	< 10	< 10	91	< 10	50
500N-750W	201 229	3	0.04	7	800	6	6	2	17	0.72	< 10	< 10	162	< 10	42
500N-775W	201 229	1	0.13	8	640	2	6	4	34	0.64	< 10	< 10	139	< 10	30
500N-800W	201 229	< 1	0.22	12	970	< 2	2	4	145	0.36	< 10	< 10	60	< 10	56
500N-825W	201 229	1	0.04	10	2170	4	4	2	26	0.30	< 10	< 10	81	< 10	42
500N-850W	201 229	< 1	0.16	10	970	2	2	3	138	0.32	< 10	< 10	51	< 10	54
500N-875W	201 229	1	0.15	9	800	4	4	3	50	0.17	< 10	< 10	74	< 10	52
500N-900W	201 229	2	0.08	14	830	2	4	2	29	0.21	< 10	< 10	90	< 10	30
500N-925W	201 229	2	0.06	12	760	4	4	3	26	0.39	< 10	< 10	115	< 10	40
500N-975W	201 229	1	0.08	9	1410	2	2	2	36	0.46	< 10	< 10	102	< 10	42
500N-1000W	201 229	2	0.12	9	880	6	2	3	35	0.55	< 10	< 10	113	< 10	32
500N-1025W	201 229	< 1	0.17	9	1020	< 2	2	4	54	0.40	< 10	< 10	73	< 10	38
500N-1050W	201 229	1	0.14	8	740	2	4	4	47	0.53	< 10	< 10	130	< 10	32

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R
 Comments:

Page Number : 2-A
 Total Pages : 4
 Certificate Date: 03-OCT-94
 Invoice No. : 19427159
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS A9427159

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
500N-1075W	201	229	< 5	0.4	1.62	10	130	< 0.5	< 2	0.24	< 0.5	8	17	16	3.90	10	< 1	0.07	< 10	0.35	155
500N-1100W	201	229	< 5	2.0	3.57	< 2	190	< 0.5	< 2	0.44	8.0	412	37	23	7.54	10	< 1	0.08	10	0.43	7610
500N-1125W	201	229	< 5	0.4	1.29	< 2	80	< 0.5	< 2	0.48	0.5	16	14	19	3.95	10	< 1	0.10	< 10	0.71	315
500N-1150W	201	229	< 5	< 0.2	1.96	6	40	< 0.5	< 2	0.17	< 0.5	8	20	20	5.68	20	< 1	0.03	< 10	0.29	175
500N-1175W	201	229	< 5	< 0.2	1.72	2	40	< 0.5	< 2	0.22	0.5	8	14	18	4.13	10	1	0.04	< 10	0.29	170
6+00N-0+00W	201	229	< 5	0.4	2.80	6	30	< 0.5	< 2	0.12	< 0.5	7	24	19	4.19	10	< 1	0.04	10	0.36	155
6+00N-0+25W	201	229	< 5	0.8	3.81	2	30	< 0.5	< 2	0.07	0.5	4	41	21	7.07	30	< 1	0.06	20	0.28	460
6+00N-0+50W	201	229	< 5	0.8	3.55	< 2	20	< 0.5	< 2	0.24	0.5	10	46	28	6.27	20	< 1	0.06	10	0.69	200
6+00N-0+75W	201	229	< 5	0.2	2.16	4	70	< 0.5	< 2	0.22	< 0.5	7	16	15	3.83	10	< 1	0.09	10	0.38	225
6+00N-1+00W	201	229	< 5	1.2	3.81	8	30	< 0.5	< 2	0.15	< 0.5	6	33	21	5.23	20	< 1	0.07	20	0.39	215
6+00N-1+25W	201	229	< 5	< 0.2	3.84	< 2	150	< 0.5	< 2	0.37	1.0	24	21	25	6.80	20	< 1	0.06	10	0.56	5310
6+00N-1+50W	201	229	< 5	0.8	3.69	< 2	50	< 0.5	< 2	0.14	0.5	13	35	27	6.44	30	< 1	0.07	30	0.45	1135
6+00N-1+75W	201	229	< 5	1.8	4.22	6	30	< 0.5	2	0.25	0.5	16	35	35	6.15	20	< 1	0.08	10	0.76	805
6+00N-2+00W	201	229	< 5	0.8	3.34	6	20	< 0.5	< 2	0.11	0.5	7	39	29	10.45	60	< 1	0.04	10	0.36	205
6+00N-2+25W	201	229	10	0.2	2.99	12	70	< 0.5	< 2	0.08	< 0.5	6	62	28	3.58	10	< 1	0.10	10	0.92	235
6+00N-2+50W	201	229	5	< 0.2	2.41	< 2	70	< 0.5	< 2	0.13	0.5	6	44	25	6.47	20	1	0.05	< 10	0.47	225
6+00N-2+75W	201	229	< 5	0.4	3.33	< 2	40	< 0.5	< 2	0.12	0.5	7	33	40	6.81	20	< 1	0.04	< 10	0.40	245
6+00N-3+00W	201	229	< 5	0.2	2.68	6	40	< 0.5	< 2	0.05	0.5	5	51	20	5.62	30	< 1	0.04	10	0.34	195
6+00N-3+50W	201	229	< 5	0.8	2.63	< 2	20	< 0.5	< 2	0.12	0.5	8	40	26	6.79	40	< 1	0.04	10	0.43	245
6+00N-3+75W	201	229	< 5	3.8	2.17	22	80	< 0.5	< 2	0.11	0.5	7	20	30	5.33	10	< 1	0.06	10	0.16	455
6+00N-4+00W	201	229	< 5	1.8	2.44	< 2	180	< 0.5	< 2	0.25	1.0	21	30	28	6.18	20	< 1	0.10	10	0.39	3920
6+00N-4+25W	201	229	< 5	0.6	1.48	28	120	< 0.5	< 2	0.16	0.5	6	25	26	7.11	10	< 1	0.07	20	0.15	185
6+00N-4+50W	201	229	< 5	3.2	3.67	20	310	< 0.5	< 2	0.78	3.5	25	46	27	6.24	30	< 1	0.08	20	0.79	4690
6+00N-4+75W	201	229	180	6.4	4.14	352	120	< 0.5	< 2	0.21	< 0.5	9	29	33	7.11	10	< 1	0.11	10	0.53	230
6+00N-5+00W	201	229	< 5	0.8	2.22	6	30	< 0.5	< 2	0.07	0.5	6	33	18	5.48	30	< 1	0.03	10	0.15	90
6+00N-5+25W	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
6+00N-5+50W	201	229	35	3.4	2.59	108	80	< 0.5	< 2	0.09	0.5	10	19	24	4.61	10	< 1	0.15	20	0.29	825
6+00N-5+75W	201	229	< 5	0.4	1.96	126	90	< 0.5	< 2	0.23	< 0.5	9	25	24	7.34	20	< 1	0.07	10	0.31	200
6+00N-6+00W	201	229	< 5	0.6	4.83	6	180	< 0.5	< 2	0.22	0.5	18	27	26	6.06	20	< 1	0.08	20	0.57	1205
6+00N-6+25W	201	229	< 5	0.4	3.67	22	60	< 0.5	< 2	0.07	0.5	8	45	25	7.95	10	< 1	0.08	10	0.47	325
6+00N-6+50W	201	229	< 5	0.6	2.00	8	180	< 0.5	< 2	0.32	1.0	12	37	33	8.26	20	< 1	0.05	10	0.50	800
6+00N-6+75W	201	229	420	11.0	1.79	906	150	< 0.5	< 2	0.09	< 0.5	9	20	77	10.80	10	< 1	0.20	< 10	0.14	1495
6+00N-7+00W	201	229	< 5	2.6	2.03	44	130	< 0.5	< 2	0.11	0.5	13	26	47	6.01	10	< 1	0.11	10	0.21	1650
6+00N-7+25W	201	229	< 5	1.6	2.62	80	70	< 0.5	< 2	0.07	0.5	9	26	32	8.05	40	< 1	0.06	10	0.12	830
6+00N-7+50W	201	229	< 5	0.4	5.41	12	60	< 0.5	4	0.17	0.5	12	32	26	5.86	20	< 1	0.04	10	0.48	380
6+00N-7+75W	201	229	< 5	0.6	2.67	16	60	< 0.5	< 2	0.20	< 0.5	8	35	21	6.36	30	1	0.06	10	0.40	230
6+00N-8+00W	201	229	< 5	0.4	2.88	< 2	40	< 0.5	< 2	0.12	0.5	6	26	20	5.95	20	< 1	0.03	10	0.38	150
6+00N-8+25W	201	229	< 5	0.2	2.20	6	100	< 0.5	< 2	0.10	< 0.5	4	15	12	4.11	10	< 1	0.03	10	0.17	95
6+00N-8+75W	201	229	< 5	0.2	1.14	40	80	< 0.5	< 2	0.22	0.5	8	20	17	3.95	10	1	0.04	10	0.28	195
6+00N-9+00W	201	229	< 5	1.0	2.62	22	90	< 0.5	< 2	0.07	0.5	8	17	23	6.08	10	< 1	0.05	10	0.30	3140

CERTIFICATION:

[Handwritten Signature]



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GHANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R
 Comments:

Page Number : 2-B
 Total Pages : 4
 Certificate Date: 03-OCT-94
 Invoice No. : 19427159
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427159

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
500N-1075W	201 229	1	0.08	7	420	2	4	3	25	0.24	< 10	< 10	144	< 10	26
500N-1100W	201 229	2	0.05	11	1420	9	2	4	29	0.19	< 10	10	109	10	36
500N-1125W	201 229	1	0.16	9	750	2	2	4	49	0.63	< 10	< 10	127	< 10	36
500N-1150W	201 229	2	0.02	4	390	< 2	4	4	24	0.24	< 10	< 10	197	< 10	24
500N-1175W	201 229	2	0.03	4	430	3	4	3	26	0.27	< 10	< 10	180	< 10	24
6+00N-0+00W	201 229	2	0.03	7	440	< 2	2	6	11	0.38	< 10	< 10	105	< 10	28
6+00N-0+25W	201 229	5	0.03	10	500	7	4	6	8	0.25	< 10	< 10	73	< 10	54
6+00N-0+50W	201 229	3	0.07	17	670	5	4	7	17	0.59	< 10	< 10	118	< 10	38
6+00N-0+75W	201 229	1	0.07	7	820	12	2	3	22	0.28	< 10	< 10	83	< 10	38
6+00N-1+00W	201 229	4	0.07	9	820	7	< 2	5	12	0.35	< 10	< 10	82	< 10	44
6+00N-1+25W	201 229	2	0.06	12	1480	12	2	6	30	0.52	< 10	< 10	127	10	158
6+00N-1+50W	201 229	4	0.04	12	980	5	4	6	10	0.42	< 10	< 10	86	< 10	62
6+00N-1+75W	201 229	2	0.08	12	1100	< 2	2	10	20	0.62	< 10	< 10	133	10	52
6+00N-2+00W	201 229	2	0.03	4	620	< 2	8	6	10	0.53	< 10	< 10	138	< 10	40
6+00N-2+25W	201 229	2	0.02	43	500	2	< 2	4	12	0.16	< 10	< 10	77	< 10	58
6+00N-2+50W	201 229	2	0.02	17	520	2	6	4	15	0.30	< 10	< 10	119	< 10	38
6+00N-2+75W	201 229	2	0.03	8	810	< 2	4	5	11	0.48	< 10	< 10	154	< 10	38
6+00N-3+00W	201 229	4	0.01	16	540	4	4	4	9	0.20	< 10	< 10	97	< 10	40
6+00N-3+50W	201 229	6	0.04	8	570	6	6	5	12	0.65	< 10	< 10	141	< 10	42
6+00N-3+75W	201 229	9	0.01	11	950	12	6	2	11	0.12	< 10	< 10	103	< 10	66
6+00N-4+00W	201 229	3	0.03	14	2240	10	6	4	19	0.28	< 10	< 10	105	< 10	138
6+00N-4+25W	201 229	6	0.01	12	720	20	8	2	18	0.05	< 10	< 10	50	< 10	82
6+00N-4+50W	201 229	4	0.03	29	2460	12	6	7	49	0.24	< 10	< 10	83	< 10	168
6+00N-4+75W	201 229	6	0.04	10	870	210	6	10	18	0.49	< 10	< 10	114	< 10	44
6+00N-5+00W	201 229	3	0.01	7	440	6	4	3	10	0.34	< 10	< 10	140	< 10	28
6+00N-5+25W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
6+00N-5+50W	201 229	6	0.02	8	930	12	2	6	10	0.19	< 10	< 10	80	< 10	64
6+00N-5+75W	201 229	7	0.07	11	710	4	6	4	24	0.19	< 10	< 10	99	< 10	50
6+00N-6+00W	201 229	2	0.06	11	1060	< 2	4	9	21	0.51	< 10	< 10	127	< 10	58
6+00N-6+25W	201 229	3	0.01	21	720	10	4	4	7	0.13	< 10	< 10	89	< 10	64
6+00N-6+50W	201 229	4	0.04	22	840	8	8	4	28	0.47	< 10	< 10	139	< 10	64
6+00N-6+75W	201 229	18	0.02	8	3580	1380	26	5	21	0.10	< 10	< 10	56	< 10	182
6+00N-7+00W	201 229	1	0.02	14	1290	12	4	4	14	0.23	< 10	< 10	98	< 10	80
6+00N-7+25W	201 229	6	0.02	5	800	14	4	3	9	0.23	< 10	< 10	91	< 10	50
6+00N-7+50W	201 229	3	0.04	10	860	2	4	8	14	0.43	< 10	< 10	144	< 10	62
6+00N-7+75W	201 229	5	0.06	10	740	12	6	4	19	0.40	< 10	< 10	112	< 10	46
6+00N-8+00W	201 229	2	0.02	5	680	6	6	4	10	0.38	< 10	< 10	137	< 10	32
6+00N-8+25W	201 229	1	0.02	2	640	2	< 2	2	13	0.17	< 10	< 10	81	< 10	24
6+00N-8+75W	201 229	3	0.05	6	980	6	6	2	22	0.24	< 10	< 10	120	< 10	44
6+00N-9+00W	201 229	4	0.02	4	1940	10	4	3	7	0.14	< 10	< 10	87	< 10	38

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number: 3-A
 Total Pages: 4
 Certificate Date: 03-OCT-94
 Invoice No.: 19427159
 P.O. Number:
 Account: BSJ

CERTIFICATE OF ANALYSIS A9427159

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
6+00N-9+25W	201 229	< 5	0.2	2.45	2	70	< 0.5	< 2	0.22	< 0.5	5	30	15	5.95	< 10	< 1	0.06	< 10	0.34	415
6+00N-9+50W	201 229	< 5	0.6	2.74	28	640	< 0.5	< 2	0.12	< 0.5	7	29	15	8.69	< 10	< 1	0.03	< 10	0.36	345
6+00N-10+00W	201 229	< 5	0.4	2.31	8	60	< 0.5	< 2	0.17	0.5	3	19	11	6.08	< 10	< 1	0.07	< 10	0.31	225
6+00N-10+25W	-- --	< 5	0.2	4.15	6	70	< 0.5	4	0.10	< 0.5	7	45	26	9.16	10	1	0.06	10	0.36	865
6+00N-10+50W	-- --	< 5	0.2	4.86	4	170	< 0.5	6	0.27	0.5	17	18	51	9.01	10	1	0.11	20	0.62	2630
6+00N-10+75W	201 229	< 5	0.8	2.46	10	50	< 0.5	< 2	0.20	< 0.5	6	21	17	6.43	< 10	< 1	0.04	< 10	0.35	715
6+00N-11+00W	201 229	< 5	0.2	2.62	22	60	< 0.5	< 2	0.09	< 0.5	6	17	32	5.64	< 10	< 1	0.04	10	0.20	550
6+00N-11+25W	201 229	< 5	0.8	2.70	6	40	< 0.5	< 2	0.45	< 0.5	8	27	15	5.40	< 10	< 1	0.11	10	0.68	380
6+00N-11+50W	201 229	< 5	1.4	2.95	< 2	60	< 0.5	< 2	0.13	< 0.5	3	40	15	5.95	< 10	< 1	0.05	10	0.34	185
1200N-000W	201 229	< 5	0.4	1.59	6	90	< 0.5	< 2	0.15	< 0.5	3	28	11	3.63	< 10	< 1	0.04	< 10	0.21	170
1200N-025W	201 229	< 5	0.2	2.48	6	120	< 0.5	< 2	0.12	< 0.5	6	37	29	5.65	< 10	1	0.09	< 10	0.44	830
1200N-050W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1200N-075W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1200N-100W	201 229	< 5	0.8	4.18	8	70	1.0	< 2	0.24	< 0.5	18	39	24	5.38	< 10	< 1	0.08	50	0.62	1150
1200N-125W	201 229	< 5	0.8	2.08	18	50	< 0.5	< 2	0.16	< 0.5	4	31	13	7.86	< 10	< 1	0.07	10	0.32	365
1200N-150W	201 229	< 5	0.8	2.79	12	90	0.5	< 2	0.18	< 0.5	6	48	26	4.33	< 10	< 1	0.09	10	0.75	315
1200N-175W	201 229	< 5	0.8	1.87	12	50	< 0.5	< 2	0.09	< 0.5	2	36	13	4.54	< 10	< 1	0.06	20	0.33	165
1200N-200W	201 229	< 5	0.4	4.91	18	150	1.0	< 2	0.11	0.5	26	74	47	6.13	< 10	< 1	0.08	20	0.44	665
1200N-225W	201 229	< 5	0.8	2.80	12	50	< 0.5	< 2	0.15	< 0.5	3	34	15	5.81	< 10	< 1	0.07	10	0.36	145
1200N-250W	201 229	< 5	0.2	1.82	2	60	< 0.5	< 2	0.87	< 0.5	13	14	15	3.74	< 10	1	0.16	< 10	1.06	330
1200N-275W	201 229	< 5	0.2	2.75	10	190	< 0.5	< 2	0.32	< 0.5	8	21	17	5.52	< 10	< 1	0.10	< 10	0.43	1595
1200N-300W	201 229	< 5	0.2	1.88	14	80	< 0.5	< 2	0.32	< 0.5	4	27	13	5.02	< 10	< 1	0.06	< 10	0.30	275
1200N-325W	201 229	< 5	0.8	2.75	14	170	1.0	< 2	0.26	< 0.5	10	25	24	6.18	< 10	< 1	0.08	30	0.33	1765
1200N-350W	201 229	< 5	0.2	1.45	24	170	< 0.5	< 2	0.33	< 0.5	15	16	47	4.98	< 10	< 1	0.12	10	0.37	1400
1200N-375W	201 229	< 5	< 0.2	1.17	2	110	< 0.5	< 2	0.67	< 0.5	7	7	22	2.03	< 10	< 1	0.09	< 10	0.26	275
1200N-400W	201 229	< 5	0.6	1.94	10	70	< 0.5	< 2	0.49	< 0.5	15	21	35	6.11	< 10	< 1	0.15	< 10	0.76	1615
1200N-425W	201 229	< 5	0.2	0.95	< 2	340	< 0.5	< 2	2.19	< 0.5	4	7	11	2.05	< 10	< 1	0.05	< 10	0.38	175
1200N-450W	201 229	< 5	0.6	1.45	4	60	< 0.5	2	0.80	< 0.5	10	12	16	4.27	< 10	< 1	0.09	< 10	0.97	320
1200N-475W	201 229	< 5	2.4	2.99	8	100	< 0.5	< 2	0.64	0.5	8	45	30	5.00	< 10	< 1	0.11	20	0.67	370
1200N-500W	201 229	< 5	0.4	0.46	4	70	< 0.5	< 2	0.61	< 0.5	3	7	10	1.62	< 10	< 1	0.04	< 10	0.20	160
1200N-525W	-- --	< 5	0.4	1.17	< 2	40	< 0.5	< 2	0.39	0.5	8	8	14	2.64	< 10	< 1	0.07	< 10	0.49	185
1200N-550W	201 229	< 5	0.4	0.87	6	170	< 0.5	< 2	1.83	0.5	12	6	9	2.02	< 10	1	0.08	< 10	0.41	2160
1200N-575W	201 229	< 5	< 0.2	0.39	2	150	< 0.5	< 2	3.05	< 0.5	1	1	10	0.31	< 10	< 1	0.04	< 10	0.31	35
1200N-600W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1200N-625W	201 229	< 5	0.2	2.07	32	210	0.5	< 2	0.80	1.0	24	34	27	4.95	< 10	1	0.13	10	0.91	3440
1200N-650W	201 229	< 5	0.8	1.32	8	190	< 0.5	< 2	0.46	< 0.5	8	18	12	4.22	< 10	< 1	0.08	< 10	0.48	310
1200N-675W	201 229	25	0.4	1.87	6	80	< 0.5	< 2	0.42	< 0.5	8	21	11	4.72	< 10	< 1	0.09	< 10	0.56	285
1200N-750W	201 229	< 5	0.2	1.24	2	20	< 0.5	< 2	0.60	< 0.5	9	7	8	2.42	< 10	< 1	0.11	< 10	0.63	205
1200N-775W	201 229	< 5	0.8	2.38	8	80	< 0.5	< 2	0.86	< 0.5	11	16	13	5.69	< 10	< 1	0.14	< 10	1.03	340
1200N-800W	201 229	< 5	0.8	2.34	4	70	< 0.5	< 2	0.54	< 0.5	7	18	11	5.75	< 10	< 1	0.09	< 10	0.61	230

CERTIFICATION:

John H. Beckler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number :3-B
 Total Pages :4
 Certificate Date: 03-OCT-94
 Invoice No. :19427159
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427159

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
6+00N-9+25W	201 229	2	0.04	7	860	14	< 2	2	27	0.57	< 10	< 10	169	< 10	36
6+00N-9+50W	201 229	2	0.02	6	1010	6	< 2	2	32	0.22	< 10	< 10	163	< 10	30
6+00N-10+00W	201 229	2	0.02	5	890	2	< 2	2	21	0.32	< 10	< 10	166	< 10	24
6+00N-10+25W	-- --	3	0.02	12	870	20	8	6	12	0.30	< 10	< 10	121	< 10	52
6+00N-10+50W	-- --	7	0.09	7	2660	16	8	7	24	0.09	< 10	< 10	129	< 10	76
6+00N-10+75W	201 229	3	0.03	8	970	6	< 2	2	18	0.39	< 10	< 10	142	< 10	30
6+00N-11+00W	201 229	4	0.02	8	1190	8	< 2	3	9	0.19	< 10	< 10	142	< 10	28
6+00N-11+25W	201 229	2	0.16	10	1110	2	< 2	3	44	0.45	< 10	< 10	119	< 10	40
6+00N-11+50W	201 229	2	0.03	9	680	6	< 2	3	16	0.55	< 10	< 10	159	< 10	40
1200N-000W	201 229	1	0.02	10	650	6	< 2	2	21	0.29	< 10	< 10	134	< 10	30
1200N-025W	201 229	2	0.02	17	1460	4	< 2	3	15	0.06	< 10	< 10	93	< 10	50
1200N-050W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1200N-075W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1200N-100W	201 229	2	0.06	22	1250	4	< 2	7	22	0.38	< 10	< 10	98	< 10	94
1200N-125W	201 229	7	0.06	11	840	6	< 2	2	19	0.48	< 10	< 10	138	< 10	48
1200N-150W	201 229	2	0.02	33	1170	6	< 2	3	18	0.15	< 10	< 10	77	< 10	76
1200N-175W	201 229	8	0.02	15	680	18	< 2	2	10	0.28	< 10	< 10	103	< 10	48
1200N-200W	201 229	4	0.01	50	960	24	< 2	8	11	0.14	< 10	< 10	89	< 10	122
1200N-225W	201 229	4	0.04	11	680	10	< 2	3	17	0.23	< 10	< 10	103	< 10	44
1200N-250W	201 229	< 1	0.28	13	1320	2	< 2	4	82	0.42	< 10	< 10	83	< 10	46
1200N-275W	201 229	1	0.07	8	1370	4	< 2	4	26	0.38	< 10	< 10	137	< 10	40
1200N-300W	201 229	1	0.03	12	1440	2	< 2	2	24	0.32	< 10	< 10	121	< 10	36
1200N-325W	201 229	3	0.03	13	1440	8	< 2	4	20	0.16	< 10	< 10	72	< 10	60
1200N-350W	201 229	1	0.09	12	1130	8	2	6	30	0.11	< 10	< 10	105	< 10	60
1200N-375W	201 229	< 1	0.06	8	990	< 2	< 2	3	63	0.11	< 10	< 10	53	< 10	28
1200N-400W	201 229	1	0.16	15	2270	2	< 2	6	45	0.25	< 10	< 10	127	< 10	46
1200N-425W	201 229	< 1	0.07	7	1100	< 2	< 2	2	197	0.20	< 10	< 10	40	< 10	20
1200N-450W	201 229	3	0.20	13	830	< 2	< 2	4	75	0.59	< 10	< 10	89	< 10	38
1200N-475W	201 229	3	0.08	32	1030	8	< 2	4	65	0.13	< 10	< 10	65	< 10	50
1200N-500W	201 229	1	0.04	7	900	< 2	< 2	1	57	0.23	< 10	< 10	37	< 10	26
1200N-525W	-- --	< 1	0.11	10	1130	< 2	< 2	3	52	0.35	< 10	< 10	50	< 10	22
1200N-550W	201 229	< 1	0.12	11	950	< 2	< 2	1	192	0.20	< 10	< 10	35	< 10	42
1200N-575W	201 229	< 1	0.01	3	640	< 2	< 2	< 1	223	0.01	< 10	< 10	5	< 10	14
1200N-600W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1200N-625W	201 229	3	0.11	40	990	6	< 2	4	78	0.16	< 10	< 10	63	< 10	100
1200N-650W	201 229	3	0.11	12	670	8	2	2	54	0.36	< 10	< 10	98	< 10	42
1200N-675W	201 229	2	0.13	11	630	6	< 2	3	42	0.52	< 10	< 10	118	< 10	36
1200N-750W	201 229	< 1	0.14	8	1090	< 2	< 2	3	48	0.28	< 10	< 10	46	< 10	26
1200N-775W	201 229	1	0.26	13	760	< 2	< 2	4	89	0.61	< 10	< 10	116	< 10	38
1200N-800W	201 229	1	0.15	10	670	< 2	< 2	3	60	0.64	< 10	< 10	121	< 10	32

CERTIFICATION: *Hart Buehler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number : 4-A
 Total Pages : 4
 Certificate Date: 03-OCT-94
 Invoice No. : 19427159
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS A9427159

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
1200N-825W	201	229	< 5	0.6	1.92	4	70	< 0.5	< 2	1.11	< 0.5	12	13	12	3.94	< 10	< 1	0.17	< 10	1.19	385
1200N-850W	201	229	< 5	0.4	1.03	< 2	150	< 0.5	< 2	0.62	0.5	7	9	9	2.35	< 10	< 1	0.12	< 10	0.47	170
1200N-875W	201	229	< 5	1.6	3.04	10	340	0.5	< 2	1.56	0.5	19	17	19	3.78	< 10	2	0.16	20	1.08	3060
1200N-900W	201	229	< 5	0.4	2.65	< 2	90	< 0.5	< 2	1.22	< 0.5	20	11	13	2.31	< 10	< 1	0.20	10	0.54	640
1200N-925W	201	229	< 5	0.6	2.98	4	70	< 0.5	< 2	0.70	< 0.5	16	19	16	1.67	< 10	< 1	0.12	10	0.36	470
1200N-950W	201	229	< 5	2.0	3.95	16	270	1.0	< 2	0.96	0.5	15	29	22	4.45	< 10	1	0.10	20	0.59	2100
1200N-975W	201	229	< 5	0.6	1.36	4	50	< 0.5	< 2	0.83	< 0.5	9	10	11	2.91	< 10	< 1	0.15	< 10	0.83	340
1200N-1000W	201	229	< 5	0.8	2.29	8	70	< 0.5	< 2	0.44	< 0.5	8	20	10	5.45	< 10	< 1	0.09	< 10	0.59	210

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R
 Comments:

Page Number : 4-B
 Total Pages : 4
 Certificate Date: 03-OCT-94
 Invoice No. : 19427159
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427159

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1200N-825W	201	229	1	0.32	14	980	< 2	< 2	4	98	0.51	< 10	< 10	85	< 10	38
1200N-850W	201	229	< 1	0.12	7	910	2	< 2	2	55	0.33	< 10	< 10	57	< 10	36
1200N-875W	201	229	3	0.30	17	1420	< 2	< 2	5	103	0.35	< 10	< 10	78	< 10	48
1200N-900W	201	229	< 1	0.41	7	1070	< 2	< 2	5	109	0.37	< 10	< 10	72	< 10	38
1200N-925W	201	229	1	0.19	8	1420	6	< 2	3	60	0.30	< 10	< 10	54	< 10	38
1200N-950W	201	229	4	0.11	14	1760	4	< 2	4	54	0.28	< 10	< 10	86	< 10	48
1200N-975W	201	229	< 1	0.22	10	880	< 2	< 2	3	65	0.38	< 10	< 10	70	< 10	36
1200N-1000W	201	229	< 1	0.14	9	390	4	< 2	3	50	0.34	< 10	< 10	113	< 10	36

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: JGES

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

A9427161

Comments:

134. 041. 009

CERTIFICATE

A9427161

(BSJ) - GRANGES INC.

Project: 134-R
P.O. #:

2 Grid / Soils

Samples submitted to our lab in Vancouver, BC.
Is report was printed on 3-OCT-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	71	Dry, sieve to -80 mesh
203	5	Dry, sieve to -35 mesh
205	5	Geochem ring to approx 150 mesh
217	6	Geochem ring entire sample
229	82	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	82	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	82	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	82	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	82	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	82	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	82	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	82	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	82	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	82	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	82	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	82	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	82	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	82	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	82	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	82	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	82	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	82	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	82	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	82	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	82	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	82	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	82	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	82	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	82	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	82	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	82	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	82	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	82	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	82	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	82	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	82	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	82	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	82	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1-A
 Total Pages : 3
 Certificate Date: 03-OCT-94
 Invoice No. : 19427161
 P.O. Number :
 Account : BJS

Project : 134-R
 Comments:

R Grid Soils

134. 041. 009

CERTIFICATE OF ANALYSIS

A9427161

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1400N-000W	201 229	< 5	0.6	4.31	18	70	< 0.5	< 2	0.03	< 0.5	3	68	25	5.62	< 10	< 1	0.08	10	0.65	235
1400N-025W	201 229	< 5	0.2	0.79	< 2	70	< 0.5	< 2	0.31	< 0.5	4	13	9	1.40	< 10	< 1	0.08	< 10	0.22	100
1400N-050W	201 229	< 5	0.2	1.33	< 2	50	< 0.5	< 2	0.04	< 0.5	1	21	6	1.05	< 10	< 1	0.03	10	0.08	45
1400N-100W	201 229	< 5	< 0.2	1.82	6	70	< 0.5	< 2	0.16	< 0.5	3	27	9	2.00	< 10	< 1	0.06	10	0.25	95
1400N-125W	201 229	< 5	0.6	1.30	< 2	150	< 0.5	< 2	0.40	< 0.5	6	12	17	2.18	< 10	< 1	0.17	< 10	0.29	125
1400N-150W	201 229	< 5	0.2	1.69	8	230	< 0.5	< 2	0.49	< 0.5	10	15	29	3.80	< 10	1	0.19	< 10	0.55	960
1400N-175W	201 229	< 5	1.4	1.17	< 2	70	< 0.5	< 2	0.37	< 0.5	7	15	10	2.85	< 10	< 1	0.08	< 10	0.45	160
1400N-200W	201 229	< 5	2.4	4.00	6	40	< 0.5	< 2	0.21	< 0.5	8	34	17	6.19	< 10	1	0.06	10	0.51	510
1400N-225W	201 229	< 5	1.8	3.17	14	70	1.0	< 2	0.31	0.5	13	24	21	5.56	< 10	< 1	0.13	20	0.43	2130
1400N-250W	201 229	< 5	0.2	1.12	10	120	< 0.5	< 2	0.16	< 0.5	4	34	16	2.66	< 10	< 1	0.10	10	0.32	250
1400N-275W	201 229	< 5	1.0	2.37	10	90	< 0.5	< 2	0.47	< 0.5	19	29	15	5.98	< 10	< 1	0.10	10	0.68	990
1400N-300W	201 229	< 5	0.8	2.03	12	240	0.5	< 2	0.29	< 0.5	14	48	34	3.68	< 10	1	0.21	10	0.69	635
1400N-325W	201 229	< 5	0.4	1.32	6	120	< 0.5	< 2	0.17	< 0.5	11	10	23	4.63	< 10	< 1	0.17	10	0.20	490
1400N-350W	201 229	< 5	2.0	1.48	38	170	< 0.5	< 2	0.25	< 0.5	8	14	28	4.61	< 10	< 1	0.18	< 10	0.30	565
1400N-375W	201 229	< 5	2.4	1.74	16	80	< 0.5	< 2	0.06	< 0.5	4	13	37	4.94	< 10	< 1	0.09	< 10	0.18	205
1400N-400W	201 229	< 5	0.4	1.87	6	80	< 0.5	< 2	0.61	< 0.5	10	18	12	4.74	< 10	< 1	0.13	< 10	0.86	270
1400N-425W	201 229	< 5	0.4	1.83	16	130	< 0.5	< 2	0.24	< 0.5	6	25	15	2.93	< 10	< 1	0.12	10	0.25	150
1400N-450W	201 229	< 5	0.6	1.73	16	120	< 0.5	2	0.21	< 0.5	5	25	14	3.06	< 10	< 1	0.10	10	0.24	130
1400N-475W	201 229	< 5	1.6	1.73	46	210	< 0.5	< 2	0.07	< 0.5	6	28	37	4.76	< 10	1	0.15	< 10	0.23	235
1400N-500W	201 229	< 5	0.8	1.27	40	160	< 0.5	< 2	0.26	< 0.5	8	16	30	4.08	< 10	1	0.15	< 10	0.29	925
1400N-525W	201 229	< 5	1.4	0.59	10	430	< 0.5	< 2	0.14	< 0.5	3	7	16	1.61	< 10	< 1	0.08	< 10	0.09	95
1400N-550W	201 229	< 5	0.2	0.91	< 2	40	< 0.5	< 2	0.40	< 0.5	4	7	15	2.15	< 10	1	0.04	< 10	0.31	135
1400N-575W	201 229	< 5	0.4	1.77	52	170	1.0	< 2	0.51	1.0	12	28	41	3.93	< 10	< 1	0.17	10	0.38	880
1400N-600W	201 229	< 5	0.4	2.32	68	110	1.0	< 2	0.12	< 0.5	17	41	39	4.27	< 10	3	0.18	20	0.63	1210
1400N-625W	201 229	< 5	0.6	0.68	< 2	90	< 0.5	< 2	0.58	< 0.5	3	4	15	1.26	< 10	< 1	0.03	< 10	0.18	80
1400N-650W	201 229	< 5	0.6	0.63	< 2	80	< 0.5	< 2	0.41	< 0.5	4	5	22	1.52	< 10	< 1	0.04	< 10	0.21	160
1400N-675W	201 229	< 5	1.2	2.23	16	100	< 0.5	< 2	0.58	< 0.5	3	23	12	3.60	< 10	< 1	0.07	10	0.40	135
1400N-700W	201 229	< 5	2.8	3.07	26	50	< 0.5	< 2	0.47	< 0.5	12	25	22	6.01	< 10	< 1	0.11	20	0.99	550
1400N-725W	201 229	< 5	2.6	3.41	40	140	1.5	< 2	0.71	1.0	16	32	26	4.84	< 10	3	0.10	20	0.60	1825
1400N-750W	201 229	< 5	1.2	1.93	8	40	< 0.5	< 2	0.59	< 0.5	9	17	11	5.37	< 10	1	0.11	< 10	0.89	275
1400N-775W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1400N-800W	201 229	< 5	0.4	1.17	2	40	< 0.5	< 2	0.35	< 0.5	6	14	6	3.92	< 10	< 1	0.08	< 10	0.44	220
1400N-825W	201 229	< 5	0.8	1.57	< 2	50	< 0.5	< 2	0.73	< 0.5	12	14	9	3.89	< 10	1	0.14	< 10	1.10	355
1400N-850W	201 229	< 5	0.6	1.78	6	70	< 0.5	< 2	0.97	< 0.5	14	11	12	3.55	< 10	< 1	0.17	< 10	1.29	435
1400N-875W	201 229	< 5	0.6	0.92	8	90	< 0.5	< 2	0.19	< 0.5	8	15	11	3.44	< 10	< 1	0.08	< 10	0.41	570
1400N-900W	201 229	< 5	0.2	0.66	8	240	< 0.5	2	1.29	0.5	8	6	16	1.74	< 10	2	0.10	< 10	0.20	4000
1400N-925W	201 229	< 5	0.6	1.30	4	30	< 0.5	< 2	0.12	< 0.5	3	21	7	4.90	< 10	< 1	0.04	< 10	0.27	115
1400N-950W	201 229	< 5	1.0	3.11	16	20	< 0.5	< 2	0.03	< 0.5	< 1	37	18	11.80	< 10	< 1	0.03	10	0.13	250
1400N-975W	201 229	< 5	1.6	3.16	30	30	< 0.5	< 2	0.04	< 0.5	4	50	20	9.35	< 10	< 1	0.03	10	0.46	315
1400N-1000W	201 229	< 5	1.2	3.15	30	40	< 0.5	< 2	0.04	< 0.5	4	57	24	9.36	< 10	< 1	0.04	10	0.55	315

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number :1-B
 Total Pages :3
 Certificate Date: 03-OCT-94
 Invoice No. :19427161
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427161

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1400N-000W	201 229	3	0.01	30	810	6	< 2	5	5	0.09	< 10	< 10	72	< 10	70
1400N-025W	201 229	< 1	0.03	6	720	2	< 2	1	33	0.17	< 10	< 10	49	< 10	60
1400N-050W	201 229	2	0.01	3	230	12	< 2	1	8	0.15	< 10	< 10	61	< 10	30
1400N-100W	201 229	2	0.05	6	420	12	< 2	2	20	0.21	< 10	< 10	90	< 10	34
1400N-125W	201 229	1	0.03	9	1110	4	< 2	2	51	0.16	< 10	< 10	53	< 10	84
1400N-150W	201 229	1	0.09	10	1430	8	< 2	3	39	0.08	< 10	< 10	124	< 10	70
1400N-175W	201 229	1	0.08	10	1040	4	< 2	2	37	0.37	10	< 10	85	< 10	58
1400N-200W	201 229	2	0.04	11	940	< 2	< 2	4	20	0.49	< 10	< 10	141	< 10	58
1400N-225W	201 229	3	0.09	10	1630	8	< 2	3	28	0.22	< 10	< 10	81	< 10	78
1400N-250W	201 229	4	0.05	17	560	4	< 2	2	18	0.18	< 10	< 10	89	< 10	62
1400N-275W	201 229	2	0.11	13	960	2	< 2	3	45	0.59	< 10	< 10	158	< 10	90
1400N-300W	201 229	2	0.02	41	1370	12	< 2	2	26	0.01	< 10	< 10	44	< 10	74
1400N-325W	201 229	3	0.03	11	1400	6	< 2	2	17	0.07	< 10	< 10	58	< 10	80
1400N-350W	201 229	3	0.05	13	1090	18	< 2	3	29	0.10	< 10	< 10	56	< 10	100
1400N-375W	201 229	3	0.02	7	1040	10	< 2	2	14	0.04	< 10	< 10	71	< 10	72
1400N-400W	201 229	1	0.23	13	520	6	< 2	3	63	0.50	< 10	< 10	126	< 10	50
1400N-425W	201 229	2	0.03	10	530	6	< 2	3	24	0.08	< 10	< 10	94	< 10	46
1400N-450W	201 229	2	0.03	9	540	4	< 2	3	23	0.07	< 10	< 10	85	< 10	46
1400N-475W	201 229	5	0.01	20	920	20	< 2	3	9	< 0.01	< 10	< 10	40	< 10	84
1400N-500W	201 229	7	0.04	16	1400	16	< 2	2	29	0.07	< 10	< 10	50	< 10	98
1400N-525W	201 229	3	0.02	7	880	2	< 2	1	23	0.10	< 10	< 10	35	< 10	56
1400N-550W	201 229	1	0.07	8	910	< 2	< 2	2	39	0.29	< 10	< 10	43	< 10	72
1400N-575W	201 229	7	0.01	37	910	16	< 2	4	58	0.01	< 10	< 10	30	< 10	156
1400N-600W	201 229	3	0.01	48	1030	18	< 2	4	13	0.02	< 10	< 10	36	< 10	168
1400N-625W	201 229	1	0.04	7	850	4	< 2	1	62	0.15	< 10	< 10	23	< 10	54
1400N-650W	201 229	1	0.03	7	1310	< 2	< 2	1	43	0.20	< 10	< 10	31	< 10	62
1400N-675W	201 229	1	0.06	10	530	16	< 2	3	55	0.78	< 10	< 10	112	< 10	64
1400N-700W	201 229	4	0.15	19	810	10	< 2	4	42	0.58	< 10	< 10	125	< 10	70
1400N-725W	201 229	5	0.10	29	1910	6	< 2	3	71	0.15	< 10	< 10	59	< 10	134
1400N-750W	201 229	< 1	0.22	13	580	< 2	< 2	4	58	0.78	< 10	< 10	152	< 10	44
1400N-775W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
1400N-800W	201 229	< 1	0.10	7	930	6	< 2	2	36	0.68	< 10	< 10	132	< 10	36
1400N-825W	201 229	1	0.29	12	740	4	< 2	3	69	0.54	10	< 10	104	< 10	48
1400N-850W	201 229	< 1	0.33	13	990	< 2	< 2	4	87	0.41	< 10	< 10	79	< 10	58
1400N-875W	201 229	1	0.06	9	1450	2	< 2	1	26	0.31	< 10	< 10	76	< 10	60
1400N-900W	201 229	1	0.02	7	1580	8	< 2	< 1	57	0.01	< 10	< 10	10	< 10	88
1400N-925W	201 229	1	0.02	8	520	6	< 2	2	13	0.70	< 10	< 10	160	< 10	46
1400N-950W	201 229	8	0.01	8	590	2	< 2	2	4	0.43	< 10	< 10	91	< 10	64
1400N-975W	201 229	4	0.01	26	530	16	< 2	3	5	0.29	10	< 10	66	< 10	72
1400N-1000W	201 229	6	0.01	31	590	10	< 2	3	6	0.26	< 10	< 10	66	< 10	70

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number :2-A
 Total Pages :3
 Certificate Date: 03-OCT-94
 Invoice No. :19427161
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427161

SAMPLE	PREP CODE	Ku ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1400N-1025W	201 229	< 5	2.8	6.18	26	20	< 0.5	< 2	0.04	< 0.5	< 1	47	19	9.29	< 10	< 1	0.03	10	0.07	170
1400N-1050W	201 229	< 5	3.0	5.09	26	30	< 0.5	< 2	0.03	0.5	< 1	43	18	8.88	< 10	< 1	0.03	10	0.07	160
1500N-000W	201 229	< 5	0.4	1.68	6	60	< 0.5	< 2	0.20	< 0.5	4	28	12	5.08	< 10	< 1	0.07	10	0.33	230
1500N-025W	201 229	< 5	0.4	1.10	< 2	40	< 0.5	< 2	0.57	< 0.5	7	8	8	2.25	< 10	< 1	0.12	< 10	0.50	215
1500N-050W	201 229	< 5	0.8	3.18	8	60	< 0.5	< 2	0.20	< 0.5	9	41	24	6.22	< 10	1	0.10	< 10	0.58	1765
1500N-075W	201 229	< 5	1.4	5.10	14	90	1.5	< 2	0.15	< 0.5	13	42	38	4.12	< 10	1	0.11	30	0.52	630
1500N-100W	201 229	< 5	0.4	2.41	6	90	0.5	< 2	0.56	< 0.5	8	29	14	4.23	< 10	1	0.13	10	0.86	260
1500N-125W	201 229	< 5	0.4	2.01	4	60	< 0.5	< 2	0.12	< 0.5	3	32	15	6.39	< 10	< 1	0.07	10	0.23	205
1500N-150W	201 229	< 5	1.8	2.68	8	130	0.5	< 2	1.78	0.5	17	23	21	4.53	< 10	< 1	0.16	20	1.05	1555
1500N-175W	201 229	< 5	0.2	2.56	4	110	< 0.5	< 2	0.25	0.5	4	29	18	5.13	< 10	< 1	0.05	10	0.30	205
1500N-200W	201 229	< 5	0.2	2.04	4	70	< 0.5	< 2	0.20	< 0.5	3	30	9	3.50	< 10	< 1	0.05	< 10	0.30	100
1500N-225W	201 229	< 5	1.6	2.47	4	170	< 0.5	< 2	0.09	< 0.5	3	31	19	4.15	< 10	1	0.08	10	0.24	215
1500N-250W	201 229	< 5	0.4	1.95	18	220	0.5	< 2	1.28	< 0.5	11	22	35	3.84	< 10	< 1	0.22	10	0.51	425
1500N-275W	201 229	< 5	0.6	2.74	6	180	0.5	< 2	1.91	< 0.5	17	25	52	4.14	< 10	1	0.22	30	1.49	560
1500N-300W	203 205	< 5	0.2	2.16	8	180	< 0.5	< 2	1.56	0.5	10	53	31	2.16	< 10	< 1	0.19	10	0.80	280
1500N-325W	203 205	< 5	3.2	2.58	32	210	< 0.5	< 2	0.24	0.5	9	47	52	5.32	< 10	2	0.26	< 10	0.37	860
1500N-350W	203 205	< 5	2.0	3.37	6	80	< 0.5	< 2	0.41	< 0.5	7	58	13	5.92	< 10	< 1	0.08	< 10	0.58	315
1500N-375W	201 229	< 5	3.2	3.08	12	40	< 0.5	< 2	0.22	0.5	6	27	14	5.25	< 10	1	0.06	10	0.42	635
1500N-400W	201 229	< 5	0.4	2.15	8	80	< 0.5	< 2	0.15	< 0.5	4	54	13	5.73	< 10	< 1	0.07	< 10	0.45	140
1500N-425W	201 229	< 5	0.8	1.33	< 2	100	< 0.5	< 2	0.58	< 0.5	9	11	8	3.32	< 10	< 1	0.11	< 10	0.64	235
1500N-450W	201 229	< 5	0.2	1.89	4	80	< 0.5	< 2	0.87	< 0.5	17	15	13	4.47	< 10	1	0.15	< 10	1.32	510
1500N-475W	201 229	< 5	0.6	1.32	4	110	< 0.5	< 2	0.21	0.5	6	25	11	5.10	< 10	< 1	0.07	< 10	0.33	180
1500N-500W	201 229	< 5	1.2	4.25	24	70	< 0.5	< 2	0.18	< 0.5	4	49	19	6.52	< 10	< 1	0.08	10	0.49	235
1500N-525W	201 229	< 5	1.0	1.51	8	110	< 0.5	< 2	0.77	< 0.5	9	7	11	2.47	< 10	< 1	0.11	< 10	0.63	215
1500N-550W	217 229	< 5	0.8	1.00	6	170	< 0.5	< 2	0.22	< 0.5	4	9	18	1.40	< 10	1	0.06	< 10	0.20	265
1500N-575W	217 229	< 5	0.4	0.97	58	100	< 0.5	< 2	0.10	< 0.5	2	42	20	2.39	< 10	< 1	0.30	10	0.09	130
1500N-600W	201 229	< 5	0.8	0.78	22	80	< 0.5	< 2	0.24	< 0.5	6	14	24	3.11	< 10	< 1	0.11	10	0.27	250
1500N-625W	201 229	< 5	3.4	0.92	12	40	< 0.5	< 2	0.23	< 0.5	8	12	34	3.00	< 10	< 1	0.10	10	0.41	375
1500N-650W	201 229	< 5	1.0	1.71	50	90	< 0.5	< 2	0.79	< 0.5	14	19	17	4.26	< 10	1	0.19	10	1.10	570
1500N-675W	201 229	35	3.4	1.21	188	50	< 0.5	< 2	0.04	< 0.5	6	30	44	6.06	< 10	< 1	0.16	10	0.31	330
1500N-700W	201 229	< 5	1.4	0.80	16	40	< 0.5	< 2	0.10	< 0.5	3	26	24	5.50	< 10	< 1	0.10	10	0.19	255
1500N-725W	203 205	< 5	0.4	1.95	8	90	< 0.5	2	0.98	< 0.5	17	29	15	3.86	< 10	< 1	0.17	< 10	1.49	345
1500N-750W	203 205	< 5	1.6	1.90	6	100	< 0.5	< 2	1.15	< 0.5	16	27	14	3.58	< 10	< 1	0.19	< 10	1.55	375
1500N-775W	201 229	< 5	0.4	1.44	6	60	< 0.5	< 2	0.34	< 0.5	7	17	6	3.49	< 10	< 1	0.08	< 10	0.50	160
1500N-800W	201 229	< 5	1.4	1.48	36	60	< 0.5	< 2	0.15	< 0.5	6	15	9	5.09	< 10	< 1	0.06	< 10	0.26	200
1500N-825W	201 229	< 5	0.8	1.79	8	60	< 0.5	< 2	0.90	< 0.5	15	13	13	4.11	< 10	< 1	0.17	< 10	1.34	535
1500N-850W	201 229	< 5	< 0.2	1.84	8	60	< 0.5	< 2	0.99	< 0.5	16	12	12	3.91	< 10	< 1	0.17	< 10	1.40	415
1500N-875W	201 229	< 5	1.0	2.00	38	120	< 0.5	< 2	0.18	< 0.5	8	43	27	4.06	< 10	< 1	0.09	< 10	0.54	380
1500N-900W	201 229	< 5	0.8	2.54	22	80	< 0.5	< 2	0.10	< 0.5	5	40	22	6.24	< 10	< 1	0.06	10	0.49	295
1500N-925W	217 229	< 5	< 0.2	0.34	< 2	60	< 0.5	< 2	0.57	< 0.5	6	6	7	0.72	< 10	< 1	0.02	< 10	0.18	375

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R
 Comments:

Page Number :2-B
 Total Pages :3
 Certificate Date:03-OCT-94
 Invoice No. :19427161
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427161

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1400N-1025W	201 229	8	0.02	7	800	12	< 2	3	6	0.25	< 10	< 10	44	< 10	62
1400N-1050W	201 229	6	0.01	5	700	22	< 2	2	7	0.35	< 10	< 10	92	< 10	44
1500N-000W	201 229	4	0.04	10	750	12	< 2	2	21	0.37	< 10	< 10	140	< 10	52
1500N-025W	201 229	< 1	0.12	8	1580	2	< 2	2	45	0.24	< 10	< 10	48	< 10	44
1500N-050W	201 229	2	0.04	19	2750	4	< 2	3	19	0.22	10	< 10	112	< 10	82
1500N-075W	201 229	4	0.03	32	1650	12	< 2	5	13	0.11	< 10	< 10	66	< 10	130
1500N-100W	201 229	2	0.18	18	680	4	< 2	4	54	0.44	< 10	< 10	121	< 10	72
1500N-125W	201 229	3	0.02	7	540	10	< 2	3	14	0.39	< 10	< 10	138	< 10	58
1500N-150W	201 229	4	0.28	20	1370	< 2	< 2	5	112	0.39	< 10	< 10	96	< 10	100
1500N-175W	201 229	4	0.02	14	580	6	< 2	3	26	0.32	< 10	< 10	117	< 10	68
1500N-200W	201 229	1	0.05	8	400	8	< 2	2	22	0.30	< 10	< 10	138	< 10	42
1500N-225W	201 229	4	0.01	13	610	16	< 2	3	13	0.14	< 10	< 10	85	< 10	44
1500N-250W	201 229	2	0.06	21	1560	10	< 2	5	96	0.03	< 10	< 10	60	< 10	106
1500N-275W	201 229	1	0.43	25	1470	6	< 2	7	170	0.30	< 10	< 10	82	< 10	78
1500N-300W	203 205	2	0.28	22	1350	6	< 2	4	136	0.21	< 10	< 10	63	< 10	62
1500N-325W	203 205	9	0.09	19	1700	12	< 2	4	38	0.04	< 10	< 10	94	< 10	170
1500N-350W	203 205	1	0.12	13	740	4	< 2	3	50	0.63	< 10	< 10	141	< 10	58
1500N-375W	201 229	2	0.04	10	760	14	< 2	3	21	0.54	< 10	< 10	126	< 10	58
1500N-400W	201 229	1	0.04	23	680	2	< 2	2	29	0.19	< 10	< 10	67	< 10	46
1500N-425W	201 229	1	0.18	8	660	2	< 2	2	64	0.59	< 10	< 10	119	< 10	34
1500N-450W	201 229	< 1	0.28	15	920	8	< 2	4	81	0.46	< 10	< 10	87	< 10	56
1500N-475W	201 229	3	0.07	9	400	6	< 2	2	31	0.61	< 10	< 10	164	< 10	46
1500N-500W	201 229	3	0.07	21	650	12	< 2	3	20	0.20	< 10	< 10	72	< 10	58
1500N-525W	201 229	< 1	0.20	9	1000	< 2	< 2	3	79	0.26	< 10	< 10	52	< 10	52
1500N-550W	217 229	< 1	0.04	7	1170	2	< 2	2	27	0.12	< 10	< 10	24	< 10	42
1500N-575W	217 229	4	0.02	11	790	10	2	1	15	0.01	< 10	< 10	35	< 10	100
1500N-600W	201 229	4	0.04	10	1130	12	2	1	29	0.17	< 10	< 10	65	< 10	62
1500N-625W	201 229	3	0.08	10	2220	2	< 2	2	21	0.11	< 10	< 10	65	< 10	64
1500N-650W	201 229	4	0.28	21	890	8	< 2	4	72	0.31	< 10	< 10	80	< 10	92
1500N-675W	201 229	9	0.02	24	2220	30	2	2	6	0.02	< 10	< 10	42	< 10	136
1500N-700W	201 229	3	0.01	8	2000	14	< 2	2	8	0.16	< 10	< 10	119	< 10	58
1500N-725W	203 205	< 1	0.38	18	940	< 2	< 2	6	102	0.48	< 10	< 10	93	< 10	44
1500N-750W	203 205	< 1	0.43	17	990	< 2	< 2	5	114	0.45	< 10	< 10	84	< 10	54
1500N-775W	201 229	2	0.10	8	610	4	< 2	2	33	0.48	< 10	< 10	126	< 10	44
1500N-800W	201 229	2	0.04	4	520	< 2	< 2	2	17	0.42	< 10	< 10	147	< 10	42
1500N-825W	201 229	1	0.34	15	1300	< 2	< 2	5	78	0.51	10	< 10	94	< 10	48
1500N-850W	201 229	< 1	0.37	15	1160	< 2	< 2	5	87	0.46	< 10	< 10	98	< 10	60
1500N-875W	201 229	2	0.03	28	740	12	< 2	2	23	0.06	< 10	< 10	69	< 10	74
1500N-900W	201 229	6	0.02	26	650	8	< 2	2	18	0.21	< 10	< 10	93	< 10	70
1500N-925W	217 229	< 1	0.04	6	690	2	< 2	< 1	38	0.02	< 10	< 10	8	< 10	60

CERTIFICATION: Stuart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number : 3-A
 Total Pages : 3
 Certificate Date: 03-OCT-94
 Invoice No. : 19427161
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427161

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
1500N-950W	217	229	< 5	0.2	1.81	12	80	< 0.5	< 2	1.26	< 0.5	16	31	13	3.25	< 10	< 1	0.21	< 10	1.49	370
1500N-975W	217	229	< 5	0.2	1.76	< 2	60	< 0.5	< 2	1.19	< 0.5	13	30	11	3.09	< 10	1	0.20	< 10	1.14	325
1500N-1000W	217	229	< 5	0.4	1.51	2	140	< 0.5	< 2	0.56	< 0.5	11	28	11	3.34	< 10	< 1	0.13	< 10	0.87	225

CERTIFICATION:

Heidi Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project: 134-R
Comments:

Page Number :3-B
Total Pages :3
Certificate Date: 03-OCT-94
Invoice No. :I9427161
P.O. Number :
Account :BSJ

CERTIFICATE OF ANALYSIS

A9427161

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1500N-950W	217 229	< 1	0.45	16	950	< 2	< 2	4	115	0.39	< 10	< 10	76	< 10	62
1500N-975W	217 229	< 1	0.38	14	1000	< 2	< 2	4	107	0.38	< 10	< 10	75	< 10	44
1500N-1000W	217 229	< 1	0.21	13	890	< 2	< 2	3	73	0.46	< 10	< 10	101	< 10	42

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project: 134-R
Comments:

Page Number :1-B
Total Pages :1
Certificate Date: 04-OCT-94
Invoice No. :I9427165
P.O. Number :
Account :BSJ

CERTIFICATE OF ANALYSIS

A9427165

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
4+90-5+30W	201 229	4	0.18	29	1000	8	< 2	4	79	0.25	< 10	< 10	53	< 10	148
14+00N-3+70W	201 229	3	0.01	74	1350	34	< 2	6	90	0.01	< 10	< 10	25	< 10	380
17+00N-8+75W	203 205	4	0.02	51	870	12	< 2	4	52	0.01	< 10	< 10	34	< 10	340
19+00N-7+25W	201 229	2	0.03	42	1070	22	4	5	71	0.07	< 10	< 10	49	< 10	120
20+15-8+85W	203 205	3	0.04	40	1120	20	< 2	7	49	0.06	< 10	< 10	63	< 10	154

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

134-041-004

A9427171

Comments:

CERTIFICATE

A9427171

(BSJ) - GRANGES INC.

Project: 134-JEFF *Grid SILT*
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 4-OCT-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	2	Dry, sieve to -80 mesh
203	3	Dry, sieve to -35 mesh
205	3	Geochem ring to approx 150 mesh
229	5	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	5	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	5	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	5	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	5	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.
2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project: 134-JEFF *Grid*
Comments:

154. 041. 004
Page Number : 1-A
Total Pages : 1
Certificate Date: 04-OCT-94
Invoice No. : I9427171
P.O. Number :
Account : BSJ

*SOIL ?
PROBABLY SILT
PLOTTED IN SOIL GEOCHEM MAP*

CERTIFICATE OF ANALYSIS A9427171

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1+00S-3+75W	201 229	< 5	0.2	2.12	24	130	< 0.5	< 2	0.67	0.5	12	36	26	4.81	< 10	< 1	0.13	< 10	1.04	745
1+00S-4+00W	203 205	< 5	0.2	1.98	38	160	< 0.5	< 2	0.44	< 0.5	15	35	55	4.62	< 10	< 1	0.11	< 10	0.89	790
1+00S-6+95W	203 205	< 5	0.2	2.25	48	170	< 0.5	< 2	0.51	0.5	15	31	40	5.07	< 10	1	0.10	< 10	0.91	1030
L3+00N-3+75W	203 205	< 5	0.2	2.12	10	170	< 0.5	< 2	0.45	0.5	13	29	51	4.55	< 10	< 1	0.09	< 10	0.96	840
LS+00N-5+15W	201 229	< 5	0.2	2.47	44	180	0.5	< 2	0.74	0.5	18	21	57	5.30	< 10	1	0.04	< 10	0.95	1420

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project : 134-JEFF
Comments:

Page Number : 1-B
Total Pages : 1
Certificate Date: 04-OCT-94
Invoice No. : I9427171
P.O. Number :
Account : BSJ

CERTIFICATE OF ANALYSIS

A9427171

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1+00S-3+75W	201 229	1	0.08	22	1190	10	< 2	3	57	0.08	< 10	< 10	45	< 10	198
1+00S-4+00W	203 205	2	0.02	27	1080	20	< 2	4	32	0.03	< 10	< 10	46	< 10	146
1+00S-6+95W	203 205	2	0.02	23	1120	12	< 2	3	34	0.03	< 10	< 10	46	< 10	146
L3+00N-3+75W	203 205	1	0.01	33	1160	6	< 2	3	31	0.02	< 10	< 10	40	< 10	150
L8+00N-5+15W	201 229	1	0.02	30	1310	16	< 2	4	58	0.03	< 10	< 10	41	< 10	174

CERTIFICATION:

Hart Buchler

134. 041. 009



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

A9427172

Comments:

CERTIFICATE **A9427172**

(BSJ) - GRANGES INC.

Project: 134-R *Grid - Soils*
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 4-OCT-94.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	78	Dry, sieve to -80 mesh
229	78	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	78	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	78	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	78	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	78	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	78	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	78	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	78	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	78	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	78	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	78	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	78	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	78	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	78	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	78	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	78	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	78	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	78	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	78	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	78	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	78	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	78	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	78	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	78	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	78	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	78	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	78	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	78	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	78	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	78	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	78	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	78	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	78	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	78	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R *Grid Soils*
 Comments:

Page No.: 1-A
 Total Pages: 2
 Certificate Date: 04-OCT-94
 Invoice No.: 19427172
 P.O. Number:
 Account: BSJ

CERTIFICATE OF ANALYSIS

A9427172

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
7+00N-0+00W	201 229	< 5	0.4	3.54	16	40	< 0.5	< 2	0.02	< 0.5	5	79	28	5.76	< 10	< 1	0.06	10	0.95	295
7+00N-0+25W	201 229	< 5	< 0.2	1.30	2	70	< 0.5	< 2	0.06	< 0.5	1	16	1	2.00	< 10	< 1	0.02	< 10	0.10	40
7+00N-0+50W	201 229	< 5	< 0.2	2.06	12	50	< 0.5	< 2	0.08	0.5	2	35	11	5.67	< 10	< 1	0.04	< 10	0.27	115
7+00N-0+75W	201 229	< 5	< 0.2	2.86	22	120	0.5	< 2	0.10	< 0.5	6	21	12	5.41	< 10	< 1	0.10	10	0.21	625
7+00N-1+25W	201 229	< 5	1.6	3.57	12	20	< 0.5	< 2	0.06	< 0.5	2	39	18	7.94	< 10	< 1	0.03	20	0.13	255
7+00N-1+50W	201 229	< 5	< 0.2	3.71	8	50	< 0.5	< 2	0.14	< 0.5	5	41	19	4.89	< 10	< 1	0.03	10	0.31	190
7+00N-1+75W	201 229	< 5	0.8	2.56	10	20	< 0.5	< 2	0.13	< 0.5	2	29	13	6.76	< 10	< 1	0.06	10	0.22	200
7+00N-2+00W	201 229	< 5	1.2	3.39	18	20	< 0.5	< 2	0.08	< 0.5	2	43	17	7.05	< 10	1	0.04	10	0.16	290
7+00N-2+25W	201 229	< 5	2.8	4.11	38	20	< 0.5	< 2	0.08	< 0.5	2	40	14	7.63	< 10	< 1	0.03	20	0.21	190
7+00N-2+50W	201 229	< 5	0.4	2.26	6	30	< 0.5	< 2	0.22	< 0.5	9	31	16	6.15	< 10	< 1	0.04	10	0.94	240
7+00N-2+75W	201 229	< 5	1.2	2.55	6	60	< 0.5	< 2	0.09	< 0.5	5	33	13	4.21	< 10	< 1	0.06	10	0.25	315
7+00N-3+00W	201 229	< 5	0.8	4.15	12	30	< 0.5	< 2	0.25	< 0.5	7	40	19	7.43	< 10	< 1	0.06	10	0.69	315
7+00N-3+25W	201 229	< 5	1.4	2.71	6	40	< 0.5	< 2	0.14	< 0.5	4	27	18	8.04	< 10	< 1	0.04	10	0.27	315
7+00N-3+50W	201 229	< 5	3.4	3.47	30	130	1.0	< 2	0.10	0.5	14	43	71	5.77	< 10	< 1	0.14	10	0.46	585
7+00N-3+75W	201 229	< 5	1.4	4.01	16	60	0.5	< 2	0.08	0.5	9	50	56	5.48	< 10	1	0.10	10	0.47	550
7+00N-4+00W	201 229	< 5	0.8	2.55	12	50	< 0.5	< 2	0.41	< 0.5	16	27	18	5.53	< 10	1	0.08	10	0.57	1370
7+00N-4+25W	201 229	< 5	1.0	3.19	20	20	< 0.5	< 2	0.13	< 0.5	3	48	14	7.91	< 10	< 1	0.04	20	0.46	265
7+00N-4+50W	201 229	< 5	2.4	1.99	22	270	0.5	< 2	0.23	0.5	17	36	20	6.60	< 10	1	0.11	< 10	0.35	3590
7+00N-4+75W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
7+00N-5+00W	201 229	< 5	1.0	2.67	16	40	< 0.5	< 2	0.07	< 0.5	2	58	15	6.46	< 10	< 1	0.05	10	0.57	170
7+00N-5+25W	201 229	< 5	1.0	2.68	4	50	< 0.5	< 2	0.08	< 0.5	10	38	26	8.88	< 10	< 1	0.07	< 10	0.20	525
7+00N-5+50W	201 229	< 5	2.0	3.01	24	100	0.5	< 2	0.03	< 0.5	4	35	24	6.53	< 10	< 1	0.09	10	0.22	220
7+00N-5+75W	201 229	< 5	0.2	2.08	18	80	< 0.5	< 2	0.03	< 0.5	9	15	16	4.39	< 10	< 1	0.10	10	0.10	90
7+00N-6+00W	201 229	< 5	0.6	3.13	20	60	< 0.5	< 2	0.07	< 0.5	3	43	14	8.47	< 10	< 1	0.06	10	0.25	255
7+00N-6+25W	201 229	< 5	2.6	1.87	132	6860	1.0	< 2	0.42	1.0	13	13	17	14.45	< 10	< 1	0.09	10	0.22	>10000
7+00N-6+50W	201 229	< 5	1.6	2.79	48	220	< 0.5	< 2	0.08	< 0.5	10	28	24	8.17	< 10	2	0.12	10	0.36	2010
7+00N-6+75W	201 229	< 5	1.8	4.10	14	70	< 0.5	< 2	0.15	0.5	9	42	19	5.29	< 10	2	0.07	10	0.55	615
7+00N-7+00W	201 229	< 5	1.4	2.14	28	80	< 0.5	< 2	0.23	< 0.5	7	26	25	6.01	< 10	< 1	0.08	< 10	0.33	495
7+00N-7+25W	201 229	< 5	0.6	3.76	16	40	< 0.5	< 2	0.14	< 0.5	5	39	16	7.48	< 10	< 1	0.03	10	0.39	290
7+00N-7+50W	201 229	< 5	0.2	1.83	4	150	< 0.5	< 2	0.14	< 0.5	3	21	7	4.51	< 10	< 1	0.03	10	0.17	90
7+00N-7+75W	201 229	< 5	0.8	4.28	6	60	< 0.5	< 2	0.32	< 0.5	12	32	16	5.40	< 10	1	0.06	10	0.62	550
7+00N-8+00W	201 229	< 5	0.2	2.47	24	180	< 0.5	< 2	0.13	< 0.5	2	39	6	4.01	< 10	< 1	0.11	10	0.61	150
7+00N-8+25W	201 229	< 5	0.2	2.16	6	80	< 0.5	< 2	0.15	0.5	2	34	11	5.76	< 10	< 1	0.07	10	0.37	215
7+00N-8+75W	201 229	< 5	1.4	3.89	20	180	0.5	< 2	0.25	< 0.5	5	27	17	7.20	< 10	< 1	0.06	10	0.33	310
7+00N-9+00W	201 229	< 5	0.4	2.54	8	60	< 0.5	< 2	0.13	0.5	3	37	16	7.19	< 10	< 1	0.06	10	0.29	235
7+00N-9+25W	201 229	< 5	0.6	2.88	14	140	< 0.5	< 2	0.07	< 0.5	4	39	16	5.09	< 10	< 1	0.04	10	0.38	210
7+00N-9+50W	201 229	< 5	0.8	4.00	8	90	< 0.5	< 2	0.10	< 0.5	4	31	14	5.67	< 10	< 1	0.02	10	0.33	175
8+00N-0+00W	201 229	< 5	0.4	2.82	10	40	< 0.5	< 2	0.17	< 0.5	4	36	10	5.25	< 10	< 1	0.06	10	0.33	205
8+00N-0+25W	201 229	< 5	0.6	3.03	28	50	< 0.5	< 2	0.06	< 0.5	4	50	24	6.54	< 10	< 1	0.07	10	0.59	275
8+00N-0+50W	201 229	< 5	1.2	4.27	16	20	0.5	< 2	0.14	< 0.5	10	38	25	5.93	< 10	< 1	0.07	30	0.34	590

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: 134-R
 Comments:

Page Number : 1-B
 Total Pages : 2
 Certificate Date: 04-OCT-94
 Invoice No. : 19427172
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427172

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
7+00N-0+00W	201 229	3	0.01	51	340	2	< 2	5	5	0.08	< 10	< 10	64	< 10	58
7+00N-0+25W	201 229	< 1	0.01	2	250	10	< 2	1	7	0.27	< 10	< 10	83	< 10	8
7+00N-0+50W	201 229	3	0.01	14	450	2	< 2	2	13	0.20	< 10	< 10	97	< 10	28
7+00N-0+75W	201 229	6	0.04	5	450	16	< 2	3	11	0.05	< 10	< 10	54	< 10	92
7+00N-1+25W	201 229	6	0.02	5	640	6	< 2	3	5	0.36	< 10	< 10	100	< 10	40
7+00N-1+50W	201 229	2	0.03	8	550	6	< 2	4	12	0.48	< 10	< 10	137	< 10	46
7+00N-1+75W	201 229	7	0.05	7	610	< 2	< 2	2	13	0.36	< 10	< 10	98	< 10	40
7+00N-2+00W	201 229	5	0.03	6	640	12	< 2	3	7	0.42	< 10	< 10	98	< 10	40
7+00N-2+25W	201 229	3	0.03	5	450	8	< 2	7	7	0.36	< 10	< 10	88	< 10	38
7+00N-2+50W	201 229	2	0.05	13	490	2	< 2	4	17	0.72	10	< 10	171	< 10	40
7+00N-2+75W	201 229	2	0.02	6	540	6	< 2	3	10	0.42	< 10	< 10	126	< 10	36
7+00N-3+00W	201 229	3	0.06	12	830	4	< 2	8	20	0.69	< 10	< 10	157	< 10	48
7+00N-3+25W	201 229	3	0.03	9	570	4	< 2	2	13	0.43	< 10	< 10	122	< 10	40
7+00N-3+50W	201 229	6	0.01	48	1060	14	< 2	6	12	0.03	< 10	< 10	88	< 10	164
7+00N-3+75W	201 229	3	0.01	28	1490	10	< 2	8	8	0.03	< 10	< 10	75	< 10	114
7+00N-4+00W	201 229	1	0.06	12	1660	2	< 2	3	31	0.41	< 10	< 10	131	< 10	66
7+00N-4+25W	201 229	3	0.03	13	550	8	< 2	6	11	0.43	< 10	< 10	106	< 10	50
7+00N-4+50W	201 229	4	0.01	16	1530	18	< 2	2	24	0.18	< 10	< 10	99	< 10	74
7+00N-4+75W	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
7+00N-5+00W	201 229	4	0.01	31	490	2	< 2	2	9	0.18	< 10	< 10	81	< 10	44
7+00N-5+25W	201 229	2	0.01	16	730	< 2	< 2	8	7	0.08	< 10	< 10	119	< 10	80
7+00N-5+50W	201 229	6	0.01	16	550	12	< 2	3	7	0.05	< 10	< 10	60	< 10	74
7+00N-5+75W	201 229	6	0.01	12	260	2	< 2	1	4	0.02	< 10	< 10	73	< 10	52
7+00N-6+00W	201 229	7	0.02	8	460	8	< 2	3	8	0.16	< 10	< 10	107	< 10	38
7+00N-6+25W	201 229	6	0.01	29	1390	6	< 2	4	17	0.01	< 10	< 10	24	40	60
7+00N-6+50W	201 229	3	0.02	26	1620	6	< 2	5	8	0.10	< 10	< 10	57	< 10	72
7+00N-6+75W	201 229	1	0.03	21	980	6	< 2	3	15	0.29	< 10	< 10	85	< 10	48
7+00N-7+00W	201 229	2	0.06	14	870	8	< 2	2	22	0.29	< 10	< 10	118	< 10	44
7+00N-7+25W	201 229	4	0.03	8	530	6	< 2	6	13	0.54	< 10	< 10	127	< 10	48
7+00N-7+50W	201 229	3	0.01	5	430	12	< 2	2	17	0.49	< 10	< 10	143	< 10	20
7+00N-7+75W	201 229	2	0.06	10	840	4	< 2	4	22	0.62	< 10	< 10	126	< 10	38
7+00N-8+00W	201 229	4	0.02	26	390	2	< 2	2	16	0.04	< 10	< 10	99	< 10	38
7+00N-8+25W	201 229	6	0.02	16	610	12	< 2	2	13	0.28	< 10	< 10	88	< 10	44
7+00N-8+75W	201 229	5	0.01	7	860	6	< 2	4	33	0.17	< 10	< 10	136	< 10	48
7+00N-9+00W	201 229	6	0.03	11	630	12	< 2	3	12	0.44	< 10	< 10	116	< 10	46
7+00N-9+25W	201 229	4	0.01	16	720	4	< 2	2	9	0.24	< 10	< 10	99	< 10	34
7+00N-9+50W	201 229	3	0.02	6	570	2	< 2	5	11	0.34	< 10	< 10	133	< 10	28
8+00N-0+00W	201 229	2	0.03	8	570	8	< 2	3	16	0.54	< 10	< 10	128	< 10	38
8+00N-0+25W	201 229	4	0.01	31	590	6	< 2	3	8	0.13	< 10	< 10	71	< 10	52
8+00N-0+50W	201 229	6	0.04	11	1190	12	< 2	6	9	0.33	< 10	< 10	78	< 10	52

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R
 Comments:

Page Number : 2-A
 Total Pages : 2
 Certificate Date: 04-OCT-94
 Invoice No. : 19427172
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS

A9427172

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
8+00N-0+75W	201 229	< 5	< 0.2	2.51	< 2	10	0.5	< 2	0.11	< 0.5	2	27	9	6.34	< 10	< 1	0.04	20	0.23	175
8+00N-1+00W	201 229	< 5	< 0.2	1.81	14	230	< 0.5	< 2	0.13	< 0.5	6	5	8	4.00	< 10	< 1	0.09	10	0.11	220
8+00N-1+25W	201 229	< 5	2.4	3.08	28	60	< 0.5	< 2	0.21	1.0	5	83	43	7.29	< 10	< 1	0.09	10	0.23	475
8+00N-1+50W	201 229	< 5	1.9	2.73	14	60	0.5	< 2	0.07	0.5	6	37	33	6.51	< 10	< 1	0.08	10	0.22	225
8+00N-1+75W	201 229	< 5	0.5	2.49	4	20	< 0.5	< 2	0.13	< 0.5	6	43	17	6.01	< 10	< 1	0.07	10	0.36	520
8+00N-2+00W	201 229	< 5	1.2	4.36	< 2	30	1.5	< 2	0.16	< 0.5	18	24	25	5.57	< 10	< 1	0.06	20	0.59	1030
8+00N-2+25W	201 229	< 5	< 0.2	2.46	8	50	< 0.5	< 2	0.08	< 0.5	6	62	20	7.95	< 10	< 1	0.06	10	0.72	280
8+00N-2+50W	201 229	< 5	< 0.2	4.62	10	30	1.5	< 2	0.21	< 0.5	11	27	19	5.60	< 10	< 1	0.06	10	0.63	620
8+00N-2+75W	201 229	10	< 0.2	2.75	10	20	2.0	< 2	0.07	< 0.5	1	36	12	8.69	< 10	< 1	0.04	10	0.21	175
8+00N-3+00W	201 229	30	0.3	4.73	< 2	40	< 0.5	< 2	0.32	< 0.5	12	28	19	5.66	< 10	< 1	0.07	10	0.86	320
8+00N-3+25W	201 229	15	0.4	2.40	< 2	70	< 0.5	< 2	0.22	< 0.5	6	25	26	7.62	< 10	< 1	0.06	10	0.38	385
8+00N-3+50W	201 229	10	< 0.2	1.42	< 2	120	< 0.5	< 2	0.28	< 0.5	16	16	72	7.28	< 10	< 1	0.17	10	0.21	600
8+00N-3+75W	201 229	< 5	< 0.2	3.24	< 2	180	< 0.5	< 2	0.35	0.5	24	30	34	7.00	< 10	< 1	0.15	10	0.69	2370
8+00N-4+00W	201 229	< 5	0.8	2.68	6	40	< 0.5	< 2	0.10	< 0.5	10	33	20	6.13	< 10	< 1	0.06	10	0.25	800
8+00N-4+25W	201 229	< 5	0.2	3.13	4	30	< 0.5	< 2	0.17	< 0.5	4	28	15	7.32	< 10	< 1	0.03	10	0.40	260
8+00N-4+50W	201 229	< 5	0.2	2.46	14	60	< 0.5	< 2	0.06	< 0.5	2	15	13	5.63	< 10	< 1	0.09	10	0.12	335
8+00N-4+75W	201 229	< 5	1.5	3.77	< 2	100	< 0.5	< 2	0.42	0.5	13	27	17	6.11	< 10	< 1	0.11	20	0.73	1690
8+00N-5+00W	201 229	< 5	0.7	4.11	< 2	80	0.5	< 2	0.43	< 0.5	6	37	19	6.04	< 10	< 1	0.07	20	0.60	200
8+00N-5+25W	201 229	< 5	0.6	2.14	26	50	< 0.5	< 2	0.02	< 0.5	2	16	12	5.00	< 10	< 1	0.04	20	0.09	70
8+00N-5+50W	201 229	10	2.2	1.47	146	30	< 0.5	< 2	0.02	< 0.5	3	10	19	4.72	< 10	< 1	0.10	10	0.06	300
8+00N-5+75W	201 229	< 5	0.7	1.93	98	60	< 0.5	< 2	0.07	< 0.5	1	27	10	4.90	< 10	< 1	0.06	10	0.09	100
8+00N-6+25W	201 229	< 5	0.6	1.71	6	110	< 0.5	< 2	0.06	< 0.5	5	15	14	4.68	< 10	< 1	0.12	10	0.10	125
8+00N-6+50W	201 229	< 5	2.5	1.81	32	100	< 0.5	< 2	0.13	< 0.5	9	21	26	5.39	< 10	< 1	0.12	10	0.20	1175
8+00N-6+75W	201 229	< 5	1.9	4.13	10	40	< 0.5	< 2	0.23	< 0.5	8	18	20	7.08	< 10	< 1	0.06	10	0.39	625
8+00N-7+00W	201 229	< 5	1.9	3.88	12	60	< 0.5	< 2	0.28	< 0.5	7	20	32	6.24	< 10	< 1	0.07	10	0.53	300
8+00N-7+25W	201 229	< 5	0.3	3.42	< 2	70	< 0.5	< 2	0.06	< 0.5	2	35	10	4.20	< 10	< 1	0.06	10	0.17	70
8+00N-7+50W	201 229	< 5	0.2	2.42	22	70	< 0.5	< 2	0.09	0.5	3	27	22	7.60	< 10	< 1	0.04	10	0.10	205
8+00N-7+75W	201 229	< 5	0.4	3.85	< 2	90	< 0.5	< 2	0.34	< 0.5	16	30	19	6.05	< 10	< 1	0.06	10	0.78	1035
8+00N-8+00W	201 229	< 5	0.4	3.84	6	100	< 0.5	< 2	0.22	< 0.5	19	36	20	6.71	< 10	< 1	0.07	20	0.59	945
8+00N-8+25W	201 229	< 5	0.2	3.77	6	30	< 0.5	< 2	0.07	< 0.5	2	27	16	7.41	< 10	< 1	0.05	20	0.16	310
8+00N-8+50W	201 229	< 5	0.6	5.05	< 2	100	< 0.5	< 2	0.33	0.5	13	30	30	6.21	< 10	< 1	0.05	20	0.86	635
8+00N-8+75W	201 229	< 5	0.7	3.39	< 2	70	< 0.5	< 2	0.12	< 0.5	< 1	25	17	10.15	< 10	< 1	0.02	20	0.09	205
8+00N-9+00W	201 229	< 5	0.5	2.93	< 2	90	< 0.5	< 2	0.15	< 0.5	3	20	19	4.39	< 10	< 1	0.02	10	0.26	175
8+00N-9+25W	201 229	< 5	0.7	4.55	< 2	70	< 0.5	< 2	0.20	0.5	6	27	18	5.62	< 10	< 1	0.04	10	0.56	235
8+00N-9+50W	201 229	< 5	0.7	2.41	2	380	< 0.5	< 2	0.12	< 0.5	6	8	12	6.00	< 10	< 1	0.03	< 10	0.25	220
8+00N-9+75W	201 229	< 5	0.2	1.65	< 2	70	< 0.5	< 2	0.10	< 0.5	2	28	9	4.52	< 10	< 1	0.02	10	0.16	95
8+00N-10+00W	201 229	< 5	< 0.2	2.79	6	60	< 0.5	< 2	0.11	< 0.5	5	59	19	8.30	< 10	< 1	0.06	10	0.64	225
8+00N-10+25W	201 229	< 5	0.2	3.13	2	30	< 0.5	< 2	0.04	< 0.5	< 1	52	18	9.69	< 10	< 1	0.02	10	0.20	120
8+00N-10+50W	201 229	< 5	0.2	2.97	< 2	60	< 0.5	< 2	0.24	< 0.5	6	23	13	5.18	< 10	< 1	0.04	10	0.42	250

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : 134-R
 Comments:

Page Number :2-B
 Total Pages :2
 Certificate Date: 04-OCT-94
 Invoice No. :19427172
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427172

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
8+00N-0+75W	201 229	4	0.03	4	470	14	< 2	5	9	0.37	< 10	< 10	68	< 10	36
8+00N-1+00W	201 229	4	0.01	2	350	6	4	2	9	0.01	< 10	< 10	55	< 10	58
8+00N-1+25W	201 229	20	< 0.01	45	5030	14	2	5	13	0.04	< 10	< 10	236	< 10	254
8+00N-1+50W	201 229	15	0.01	28	1100	8	< 2	4	7	0.03	< 10	< 10	120	< 10	100
8+00N-1+75W	201 229	8	0.03	9	580	16	< 2	7	10	0.58	< 10	< 10	115	< 10	50
8+00N-2+00W	201 229	3	0.05	10	690	8	< 2	9	12	0.47	< 10	< 10	95	< 10	62
8+00N-2+25W	201 229	2	0.01	41	1170	6	< 2	3	11	0.13	< 10	< 10	75	< 10	52
8+00N-2+50W	201 229	< 1	0.04	12	2220	2	2	8	16	0.54	< 10	< 10	114	< 10	52
8+00N-2+75W	201 229	2	0.03	8	530	14	< 2	5	10	0.37	< 10	< 10	94	< 10	38
8+00N-3+00W	201 229	1	0.07	13	1000	8	< 2	9	23	0.72	< 10	< 10	107	< 10	36
8+00N-3+25W	201 229	1	0.04	8	660	10	< 2	8	19	0.67	< 10	< 10	177	< 10	46
8+00N-3+50W	201 229	1	0.02	14	1290	16	< 2	8	19	0.01	< 10	< 10	104	< 10	82
8+00N-3+75W	201 229	< 1	0.03	20	2890	10	< 2	9	23	0.30	< 10	< 10	107	< 10	110
8+00N-4+00W	201 229	2	0.02	10	880	12	< 2	4	11	0.38	< 10	< 10	103	< 10	40
8+00N-4+25W	201 229	2	0.04	10	500	12	< 2	4	19	0.64	< 10	< 10	136	< 10	42
8+00N-4+50W	201 229	3	< 0.01	6	820	12	2	2	4	0.03	< 10	< 10	60	< 10	72
8+00N-4+75W	201 229	2	0.14	13	990	8	< 2	7	37	0.62	< 10	< 10	118	< 10	70
8+00N-5+00W	201 229	< 1	0.06	12	750	6	< 2	9	29	0.64	< 10	< 10	104	< 10	42
8+00N-5+25W	201 229	11	0.01	4	370	20	2	2	5	0.12	< 10	< 10	66	< 10	50
8+00N-5+50W	201 229	6	< 0.01	7	410	14	< 2	2	3	0.01	< 10	< 10	23	< 10	56
8+00N-5+75W	201 229	5	0.01	5	290	12	< 2	3	7	0.20	< 10	< 10	93	< 10	34
8+00N-6+25W	201 229	3	< 0.01	7	390	8	< 2	1	7	0.03	< 10	< 10	54	< 10	36
8+00N-6+50W	201 229	7	0.01	12	1020	20	< 2	3	11	0.08	< 10	< 10	55	< 10	112
8+00N-6+75W	201 229	2	0.07	7	880	8	< 2	7	20	0.60	< 10	< 10	107	< 10	50
8+00N-7+00W	201 229	< 1	0.06	10	800	4	< 2	6	24	0.59	< 10	< 10	113	< 10	56
8+00N-7+25W	201 229	< 1	0.01	6	370	10	< 2	3	7	0.15	< 10	< 10	81	< 10	28
8+00N-7+50W	201 229	3	0.01	9	770	20	< 2	2	8	0.21	< 10	< 10	71	< 10	46
8+00N-7+75W	201 229	1	0.07	12	1030	8	< 2	7	25	0.72	< 10	< 10	109	< 10	50
8+00N-8+00W	201 229	2	0.04	17	960	12	< 2	6	17	0.49	< 10	< 10	95	< 10	70
8+00N-8+25W	201 229	4	0.03	7	850	14	< 2	4	5	0.27	< 10	< 10	61	< 10	62
8+00N-8+50W	201 229	2	0.07	13	940	2	< 2	10	21	0.83	< 10	< 10	126	< 10	46
8+00N-8+75W	201 229	12	0.02	4	570	12	< 2	4	9	0.38	< 10	< 10	78	< 10	44
8+00N-9+00W	201 229	1	0.02	6	790	8	< 2	4	20	0.43	< 10	< 10	105	< 10	28
8+00N-9+25W	201 229	< 1	0.04	9	690	2	< 2	7	15	0.62	< 10	< 10	112	< 10	42
8+00N-9+50W	201 229	< 1	0.01	4	560	4	< 2	2	27	0.15	< 10	< 10	96	< 10	22
8+00N-9+75W	201 229	1	0.02	7	330	8	< 2	3	16	0.52	< 10	< 10	123	< 10	20
8+00N-10+00W	201 229	< 1	0.03	33	410	4	< 2	4	16	0.30	< 10	< 10	106	< 10	50
8+00N-10+25W	201 229	2	0.01	10	380	4	< 2	4	7	0.29	< 10	< 10	111	< 10	32
8+00N-10+50W	201 229	< 1	0.06	6	630	6	< 2	5	28	0.37	< 10	< 10	111	< 10	40

CERTIFICATION:

Hart Buehler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

A9427173

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

134. 043. 009

CERTIFICATE

A9427173

(BSJ) - GRANGES INC.

Project: UNUK #134
P.O. #:

Rock

Samples submitted to our lab in Vancouver, BC.
is report was printed on 3-OCT-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	245	Geochem ring to approx 150 mesh
226	245	0-5 lb crush and split
229	245	ICP - AQ Digestion charge
238	245	Nitric-aqua-regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	245	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	245	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	245	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	245	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	245	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	245	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	245	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	245	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	245	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	245	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	245	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	245	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	245	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	245	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	245	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	245	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	245	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	245	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	245	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	245	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	245	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	245	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	245	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	245	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	245	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	245	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	245	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	245	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	245	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	245	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	245	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	245	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	245	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
6	245	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GHANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1-A
 Total Pages : 7
 Certificate Date: 03-OCT-94
 Invoice No. : I9427173
 P.O. Number :
 Account : BSJ

Project : UNUK #134
 Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

Rock

134.043.009

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
19401	205 226	85	1.0	2.77	232	120	< 0.5	< 2	0.23	< 0.5	5	34	12	5.33	20	< 1	0.44	10	1.63	415
22760	205 226	45	1.6	1.43	156	130	< 0.5	< 2	0.24	< 0.5	4	62	43	4.85	10	< 1	0.63	< 10	0.28	380
22761	205 226	< 5	0.9	2.94	106	30	< 0.5	< 2	0.44	0.5	9	15	23	8.45	10	< 1	0.47	< 10	1.56	215
22762	205 226	< 5	< 0.2	0.64	54	90	< 0.5	< 2	0.49	< 0.5	7	114	6	3.76	< 10	< 1	0.22	< 10	0.06	140
22763	205 226	< 5	< 0.2	1.68	2	380	< 0.5	< 2	0.89	< 0.5	13	31	4	2.88	10	< 1	0.34	10	0.23	560
22764	205 226	< 5	< 0.2	3.78	2	210	< 0.5	< 2	1.75	< 0.5	14	9	13	6.53	20	< 1	0.11	10	1.85	860
22765	205 226	65	7.1	0.36	598	20	< 0.5	< 2	0.10	< 0.5	9	74	10	5.09	< 10	< 1	0.33	10	0.03	15
22766	205 226	< 5	1.0	2.09	92	130	< 0.5	< 2	0.52	< 0.5	14	21	10	4.09	10	< 1	0.57	20	0.58	850
22767	205 226	55	3.7	0.63	7440	30	< 0.5	< 2	0.26	< 0.5	9	76	11	3.48	< 10	< 1	0.47	10	0.03	15
22768	205 226	45	2.8	0.30	668	310	< 0.5	< 2	0.01	< 0.5	< 1	153	2	1.68	< 10	< 1	0.48	< 10	0.01	55
22769	205 226	30	3.1	0.61	820	460	< 0.5	< 2	0.02	< 0.5	< 1	45	6	2.07	< 10	< 1	0.77	20	0.03	20
22770	205 226	5	0.3	2.28	34	120	< 0.5	< 2	1.24	< 0.5	11	23	42	6.64	20	< 1	0.20	10	1.02	420
22771	205 226	10	0.2	1.17	6	180	< 0.5	< 2	0.03	< 0.5	2	68	12	2.89	< 10	< 1	0.16	< 10	0.54	60
22772	205 226	15	1.1	0.56	614	480	< 0.5	< 2	0.01	< 0.5	< 1	95	12	1.74	< 10	< 1	0.45	20	0.02	15
22773	205 226	< 5	0.2	3.47	2	220	< 0.5	< 2	1.55	< 0.5	10	18	4	7.09	20	< 1	0.58	10	1.05	1300
22774	205 226	< 5	0.2	0.62	80	160	< 0.5	< 2	0.11	< 0.5	3	59	10	3.83	< 10	< 1	0.16	< 10	0.12	90
22775	205 226	10	< 0.2	4.88	2	20	< 0.5	< 2	2.64	0.5	34	255	76	7.51	20	< 1	0.04	< 10	3.95	1195
22776	205 226	< 5	0.2	1.15	4	290	< 0.5	< 2	0.59	< 0.5	2	65	6	3.00	10	< 1	0.29	10	0.20	255
22777	205 226	< 5	< 0.2	2.44	< 2	1020	< 0.5	< 2	0.55	< 0.5	15	18	65	5.09	10	< 1	0.07	< 10	1.46	1110
22778	205 226	5	0.7	1.06	34	70	< 0.5	< 2	0.47	< 0.5	16	69	20	3.75	< 10	< 1	0.41	10	0.30	115
294001	205 226	< 5	< 0.2	3.84	< 2	750	< 0.5	< 2	1.85	< 0.5	26	53	78	5.34	20	< 1	0.01	< 10	2.24	680
294002	205 226	< 5	2.8	6.20	4	2000	< 0.5	< 2	1.01	< 0.5	38	441	53	9.30	10	< 1	< 0.01	< 10	5.29	1465
294003	205 226	< 5	1.0	1.20	26	290	< 0.5	< 2	0.01	< 0.5	1	48	10	1.93	< 10	< 1	0.27	< 10	0.55	155
294004	205 226	< 5	1.4	1.65	14	380	< 0.5	< 2	0.03	0.5	4	44	33	2.42	< 10	< 1	0.34	< 10	0.47	500
294005	205 226	< 5	< 0.2	0.94	24	270	< 0.5	< 2	0.01	< 0.5	1	73	6	1.24	< 10	< 1	0.21	< 10	0.37	135
294006	205 226	< 5	< 0.2	3.88	< 2	100	< 0.5	< 2	0.90	< 0.5	22	28	100	6.38	20	< 1	0.12	10	2.92	1255
294007	205 226	< 5	< 0.2	3.18	< 2	310	< 0.5	< 2	3.10	< 0.5	12	15	50	4.80	< 10	< 1	0.24	< 10	1.35	955
294008	205 226	< 5	< 0.2	2.45	< 2	370	< 0.5	< 2	0.41	< 0.5	19	29	4	6.41	10	< 1	0.38	10	0.77	1315
294009	205 226	< 5	0.2	2.23	< 2	390	< 0.5	< 2	2.88	0.5	22	29	204	3.75	< 10	< 1	0.25	< 10	1.03	1445
294010	205 226	< 5	0.2	2.13	16	220	< 0.5	< 2	1.64	< 0.5	13	15	4	4.06	10	< 1	0.22	< 10	1.09	1155
294011	205 226	< 5	0.2	2.76	6	350	< 0.5	< 2	1.15	< 0.5	29	48	8	7.30	20	< 1	0.29	10	1.40	810
294012	205 226	< 5	0.2	1.45	26	140	< 0.5	< 2	0.24	< 0.5	10	28	6	2.68	10	< 1	0.30	10	0.41	710
294013	205 226	< 5	0.2	2.39	20	150	< 0.5	< 2	0.37	< 0.5	17	16	29	5.01	10	< 1	0.28	10	0.69	850
294014	205 226	< 5	< 0.2	4.09	4	170	< 0.5	< 2	3.63	< 0.5	18	69	20	5.33	30	< 1	0.04	50	2.22	830
294015	205 226	< 5	< 0.2	2.49	< 2	280	< 0.5	< 2	1.50	< 0.5	15	31	68	4.00	20	< 1	0.44	20	1.24	1080
294016	205 226	< 5	< 0.2	1.91	< 2	140	< 0.5	< 2	0.48	0.5	10	20	21	3.62	20	< 1	0.09	10	1.46	730
294017	205 226	< 5	< 0.2	2.24	16	150	< 0.5	< 2	1.22	0.5	15	44	92	5.14	10	< 1	0.02	< 10	1.82	1040
294018	205 226	< 5	< 0.2	2.43	2	80	< 0.5	< 2	2.52	< 0.5	25	29	133	5.88	20	< 1	0.02	< 10	2.03	1415
294019	205 226	< 5	0.2	0.28	142	110	< 0.5	< 2	0.03	< 0.5	< 1	62	4	1.34	< 10	2	0.31	20	0.03	30
294020	205 226	75	1.6	2.86	30	330	< 0.5	< 2	0.52	< 0.5	9	41	57	4.94	10	< 1	0.56	10	0.84	280

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

Page Number :1-B
 Total Pages :7
 Certificate Date: 03-OCT-94
 Invoice No. :19427173
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Ag	ppm
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	Aqua R
19401	205	226	< 1	0.01	4	1410	10	2	8	12	< 0.01	< 10	< 10	65	< 10	66	1.2	
22760	205	226	12	0.01	4	1400	68	< 2	4	15	< 0.01	< 10	< 10	5	< 10	110	1.7	
22761	205	226	25	0.03	2	2270	4	2	7	17	< 0.01	10	< 10	38	< 10	138	1.0	
22762	205	226	6	0.07	4	1460	2	2	2	19	< 0.01	< 10	< 10	9	< 10	18	0.2	
22763	205	226	< 1	0.07	2	2270	2	< 2	8	34	< 0.01	< 10	< 10	32	< 10	174	0.2	
22764	205	226	< 1	0.05	2	2300	6	2	11	70	< 0.01	< 10	< 10	81	< 10	130	< 0.2	
22765	205	226	12	0.01	1	470	8	22	2	6	< 0.02	< 10	< 10	7	< 10	36	7.5	
22766	205	226	1	0.01	4	1830	4	8	5	15	< 0.01	< 10	< 10	27	< 10	102	1.0	
22767	205	226	2	0.01	2	1700	16	126	3	14	< 0.01	< 10	< 10	11	< 10	64	3.9	
22768	205	226	3	0.01	2	440	20	6	2	11	< 0.01	< 10	< 10	14	< 10	2	3.0	
22769	205	226	3	0.01	< 1	900	20	12	2	13	< 0.01	< 10	< 10	10	< 10	8	3.1	
22770	205	226	4	0.08	1	2510	6	< 2	8	43	< 0.01	< 10	< 10	68	< 10	78	0.3	
22771	205	226	4	0.09	1	410	2	< 2	4	12	< 0.01	< 10	< 10	18	< 10	32	0.3	
22772	205	226	98	0.01	1	260	34	2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	10	1.5	
22773	205	226	< 1	0.02	2	2100	4	< 2	8	57	< 0.01	< 10	< 10	50	< 10	142	0.2	
22774	205	226	4	0.10	1	2140	8	< 2	4	20	< 0.01	< 10	< 10	28	< 10	26	0.2	
22775	205	226	< 1	0.03	53	560	< 2	< 2	26	68	0.01	20	< 10	265	< 10	110	< 0.2	
22776	205	226	< 1	0.04	1	1980	2	< 2	4	32	< 0.01	< 10	< 10	24	< 10	80	0.3	
22777	205	226	< 1	0.12	3	1470	< 2	< 2	11	72	< 0.01	< 10	< 10	163	< 10	80	< 0.2	
22778	205	226	1	0.05	4	2150	6	2	5	20	< 0.01	< 10	< 10	35	< 10	30	0.9	
294001	205	226	< 1	0.10	41	500	< 2	< 2	4	28	0.39	< 10	< 10	136	< 10	82	0.2	
294002	205	226	< 1	0.02	67	490	< 2	< 2	23	16	0.52	30	< 10	275	< 10	130	< 0.2	
294003	205	226	2	0.04	< 1	230	4	2	3	8	< 0.01	< 10	< 10	40	< 10	20	2.9	
294004	205	226	2	0.03	13	250	10	< 2	3	10	< 0.01	10	< 10	44	< 10	216	1.0	
294005	205	226	2	0.04	1	220	12	< 2	3	10	< 0.01	< 10	< 10	53	< 10	24	1.4	
294006	205	226	< 1	0.04	14	1470	2	< 2	18	25	0.33	10	< 10	169	< 10	110	< 0.2	
294007	205	226	< 1	0.05	1	1340	< 2	< 2	5	89	< 0.01	< 10	< 10	49	< 10	94	< 0.2	
294008	205	226	< 1	0.07	7	1880	< 2	< 2	9	23	0.02	< 10	< 10	90	< 10	98	< 0.2	
294009	205	226	< 1	0.06	4	1380	< 2	< 2	5	91	< 0.01	10	< 10	47	< 10	116	0.2	
294010	205	226	< 1	0.07	4	1530	< 2	2	4	49	< 0.01	< 10	< 10	59	< 10	92	< 0.2	
294011	205	226	< 1	0.05	20	2460	2	< 2	8	38	0.03	< 10	< 10	133	< 10	132	< 0.2	
294012	205	226	< 1	0.05	1	1010	12	< 2	2	13	< 0.01	< 10	< 10	18	< 10	60	0.2	
294013	205	226	< 1	0.05	4	1580	< 2	< 2	10	16	< 0.01	< 10	< 10	62	< 10	72	< 0.2	
294014	205	226	< 1	0.07	28	2540	10	2	11	199	0.32	< 10	< 10	148	< 10	98	< 0.2	
294015	205	226	< 1	0.03	10	1180	8	< 2	10	137	< 0.01	< 10	< 10	142	< 10	76	< 0.2	
294016	205	226	< 1	0.09	2	800	10	< 2	7	55	< 0.01	< 10	< 10	85	< 10	70	< 0.2	
294017	205	226	< 1	0.09	11	670	6	< 2	21	34	0.30	< 10	< 10	157	< 10	124	< 0.2	
294018	205	226	< 1	0.08	12	600	< 2	< 2	28	97	0.01	< 10	< 10	242	< 10	116	< 0.2	
294019	205	226	2	0.03	1	40	18	6	< 1	5	< 0.01	< 10	< 10	4	< 10	6	< 0.2	
294020	205	226	5	0.02	11	2040	58	2	8	47	< 0.01	10	< 10	85	< 10	80	1.7	

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 2-A
 Total Pages : 7
 Certificate Date: 03-OCT-94
 Invoice No. : 19427173
 P.O. Number :
 Account : BSJ

Project: UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
294021	205	226	20	< 0.2	1.84	12	150	< 0.5	< 2	2.53	< 0.5	15	39	272	3.77	10	< 1	0.40	10	0.95	1045
294022	205	226	< 5	< 0.2	2.92	< 2	880	< 0.5	< 2	2.43	< 0.5	26	233	47	5.01	10	< 1	0.06	10	4.39	755
294023	205	226	< 5	< 0.2	2.68	2	110	< 0.5	< 2	3.44	< 0.5	26	68	110	6.20	20	< 1	0.14	< 10	2.84	835
294024	205	226	< 5	0.2	0.32	76	40	< 0.5	< 2	0.03	< 0.5	< 1	138	4	1.39	< 10	< 1	0.16	20	0.05	25
294025	205	226	< 5	1.0	2.89	< 2	2030	< 0.5	< 2	1.77	< 0.5	14	11	17	5.16	< 10	< 1	0.15	10	1.90	1565
294026	205	226	< 5	2.2	1.65	4	200	< 0.5	< 2	3.83	0.5	14	31	144	3.99	10	< 1	0.36	< 10	1.24	1060
294027	205	226	< 5	< 0.2	2.29	< 2	240	< 0.5	< 2	1.97	< 0.5	12	16	25	4.35	10	< 1	0.23	10	1.23	1125
294028	205	226	< 5	< 0.2	2.75	< 2	160	< 0.5	< 2	2.82	< 0.5	16	50	54	5.58	10	< 1	0.17	10	2.41	770
294029	205	226	< 5	< 0.2	1.39	< 2	270	< 0.5	< 2	0.91	0.5	21	26	258	5.02	10	< 1	0.39	30	0.35	1665
294030	205	226	10	< 0.2	0.38	92	70	< 0.5	< 2	0.13	< 0.5	1	29	7	1.08	< 10	2	0.33	30	0.10	55
294031	205	226	< 5	< 0.2	0.31	54	100	< 0.5	< 2	0.03	< 0.5	1	74	8	0.96	< 10	1	0.28	30	0.02	50
294032	205	226	< 5	0.2	2.83	48	210	< 0.5	< 2	1.30	3.0	14	13	21	4.84	10	1	0.42	10	1.68	1530
294033	205	226	< 5	< 0.2	2.67	14	490	< 0.5	< 2	3.16	< 0.5	11	5	13	4.09	30	< 1	0.45	10	1.38	1370
294034	205	226	< 5	< 0.2	1.34	< 2	180	< 0.5	< 2	0.88	< 0.5	8	16	26	3.25	30	< 1	0.22	20	0.69	970
294035	205	226	< 5	< 0.2	3.05	8	120	< 0.5	< 2	2.39	< 0.5	23	23	83	5.89	20	< 1	0.26	10	2.07	1135
294036	205	226	< 5	< 0.2	0.27	72	110	< 0.5	< 2	0.02	< 0.5	< 1	43	3	0.65	< 10	1	0.34	20	0.02	25
294037	205	226	< 5	< 0.2	0.35	108	90	< 0.5	< 2	0.10	< 0.5	1	60	7	0.90	< 10	6	0.33	20	0.09	70
294038	205	226	< 5	< 0.2	0.24	46	80	< 0.5	< 2	0.11	< 0.5	< 1	71	11	0.92	< 10	< 1	0.27	20	0.01	10
294039	205	226	95	< 0.2	2.45	40	660	< 0.5	2	0.36	0.5	18	25	22	3.57	10	< 1	0.60	10	0.74	825
294040	205	226	< 5	< 0.2	2.45	26	220	< 0.5	< 2	0.74	< 0.5	14	41	77	4.49	10	< 1	0.40	10	1.08	335
294041	205	226	< 5	< 0.2	1.97	20	210	< 0.5	4	0.44	< 0.5	11	33	56	3.63	10	< 1	0.40	10	0.75	305
294042	205	226	< 5	< 0.2	2.26	34	180	< 0.5	< 2	2.10	< 0.5	18	54	119	3.86	20	< 1	0.24	10	1.51	760
294043	205	226	< 5	0.2	1.63	< 2	460	< 0.5	< 2	1.49	< 0.5	24	71	163	4.96	20	< 1	0.20	10	1.88	1215
294044	205	226	< 5	< 0.2	3.02	34	160	< 0.5	< 2	2.97	< 0.5	27	64	89	5.88	20	1	0.20	10	2.43	1085
294045	205	226	5	0.4	0.77	34	230	< 0.5	6	0.04	< 0.5	3	32	28	3.07	< 10	< 1	0.34	< 10	0.06	135
294046	205	226	< 5	< 0.2	0.41	122	180	< 0.5	2	0.14	< 0.5	2	32	6	1.26	10	4	0.36	20	0.11	65
294047	205	226	< 5	< 0.2	0.24	120	110	< 0.5	2	0.01	< 0.5	< 1	90	4	1.18	10	8	0.24	30	0.02	20
294048	205	226	< 5	< 0.2	0.63	2	190	< 0.5	< 2	0.07	< 0.5	2	32	6	1.09	10	< 1	0.28	30	0.10	270
294049	205	226	< 5	0.4	2.58	< 2	770	< 0.5	< 2	2.50	< 0.5	13	15	14	4.42	20	< 1	0.31	10	1.43	1230
294050	205	226	< 5	< 0.2	2.67	< 2	480	< 0.5	< 2	2.72	0.5	11	6	9	4.70	30	< 1	0.18	10	1.40	1435
294051	205	226	< 5	0.2	2.40	12	240	< 0.5	2	1.29	< 0.5	18	48	74	4.27	20	< 1	0.40	10	1.11	1015
294052	205	226	5	0.4	2.63	2	160	< 0.5	< 2	1.14	< 0.5	30	50	46	6.27	30	< 1	0.81	10	1.38	840
294053	205	226	< 5	< 0.2	1.16	8	190	< 0.5	4	0.86	< 0.5	15	9	39	5.08	10	< 1	0.46	20	0.50	1085
294054	205	226	< 5	< 0.2	0.44	62	110	< 0.5	< 2	0.07	< 0.5	< 1	37	2	0.98	10	1	0.31	30	0.05	60
294055	205	226	< 5	< 0.2	0.51	10	60	< 0.5	2	0.02	< 0.5	< 1	19	2	1.30	10	< 1	0.33	30	0.04	60
294056	205	226	< 5	< 0.2	2.95	14	210	< 0.5	< 2	3.03	< 0.5	16	5	13	6.18	20	< 1	0.41	10	1.22	1220
294057	205	226	< 5	< 0.2	3.30	2	310	< 0.5	< 2	1.72	< 0.5	21	59	18	5.50	30	< 1	0.19	10	2.55	1250
294058	205	226	< 5	< 0.2	1.33	< 2	60	< 0.5	< 2	1.82	< 0.5	9	17	9	2.37	20	< 1	0.09	10	0.98	750
294059	205	226	< 5	< 0.2	2.50	< 2	240	< 0.5	< 2	1.22	0.5	12	15	22	4.47	20	< 1	0.14	20	1.48	1200
294060	205	226	< 5	< 0.2	2.61	4	130	< 0.5	< 2	1.77	< 0.5	15	46	114	4.20	20	< 1	0.31	10	1.80	740

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :2-B
 Total Pages :7
 Certificate Date: 03-OCT-94
 Invoice No. : I9427173
 P.O. Number :
 Account : BSJ

Project : UNUK #134

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS A9427173

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Ag	ppm
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	Aqua R
294021	205	226	2	0.04	14	1450	20	< 2	8	208	< 0.01	10	< 10	134	< 10	92	< 0.2	
294022	205	226	< 1	0.09	130	920	4	< 2	13	171	0.15	80	< 10	144	< 10	86	< 0.2	
294023	205	226	< 1	0.02	22	2840	2	< 2	23	659	< 0.01	50	< 10	213	< 10	74	< 0.2	
294024	205	226	2	0.16	3	100	10	2	< 1	15	< 0.01	< 10	< 10	4	< 10	22	0.3	
294025	205	226	< 1	0.08	2	1520	2	< 2	8	188	0.34	30	< 10	119	< 10	118	1.0	
294026	205	226	1	0.04	12	1960	10	< 2	10	227	< 0.01	20	< 10	100	< 10	90	2.4	
294027	205	226	< 1	0.05	2	990	< 2	< 2	9	113	< 0.01	20	< 10	107	< 10	86	< 0.2	
294028	205	226	< 1	0.04	16	2160	4	< 2	18	254	< 0.01	< 10	< 10	178	< 10	74	< 0.2	
294029	205	226	< 1	0.02	14	3090	10	< 2	27	297	< 0.01	< 10	< 10	247	< 10	86	< 0.2	
294030	205	226	3	0.04	< 1	150	12	4	1	15	< 0.01	< 10	< 10	11	< 10	8	< 0.2	
294031	205	226	1	0.09	1	70	12	2	1	7	< 0.01	< 10	< 10	6	< 10	18	< 0.2	
294032	205	226	< 1	0.05	7	1470	22	6	5	61	< 0.01	< 10	< 10	80	< 10	798	0.2	
294033	205	226	< 1	0.04	< 1	1750	< 2	2	4	53	0.24	< 10	< 10	53	< 10	116	< 0.2	
294034	205	226	< 1	0.07	3	560	18	< 2	5	110	0.20	< 10	< 10	250	< 10	102	< 0.2	
294035	205	226	< 1	0.03	12	2260	4	< 2	16	88	< 0.01	< 10	< 10	201	< 10	118	< 0.2	
294036	205	226	2	0.02	< 1	70	12	4	< 1	6	< 0.01	< 10	< 10	4	< 10	6	< 0.2	
294037	205	226	10	0.03	4	250	18	8	1	13	< 0.01	< 10	< 10	10	< 10	10	< 0.2	
294038	205	226	2	0.04	1	90	6	2	< 1	4	< 0.01	< 10	< 10	1	< 10	26	< 0.2	
294039	205	226	< 1	0.03	15	890	14	< 2	6	31	< 0.01	< 10	< 10	42	< 10	162	0.2	
294040	205	226	< 1	0.04	21	1240	12	2	8	65	< 0.01	< 10	< 10	63	10	192	0.2	
294041	205	226	< 1	0.05	18	1020	6	< 2	6	32	< 0.01	< 10	< 10	43	< 10	130	0.2	
294042	205	226	< 1	0.04	33	1180	14	2	11	47	0.25	< 10	< 10	95	10	140	< 0.2	
294043	205	226	< 1	0.07	21	1370	< 2	< 2	16	95	0.17	< 10	< 10	183	10	84	0.2	
294044	205	226	< 1	0.03	26	2390	4	4	20	116	0.05	< 10	< 10	224	20	80	< 0.2	
294045	205	226	3	0.03	12	680	8	< 2	6	19	< 0.01	< 10	< 10	32	< 10	92	0.5	
294046	205	226	2	0.04	1	180	16	4	1	14	< 0.01	< 10	< 10	11	< 10	6	< 0.2	
294047	205	226	1	0.07	1	140	20	6	1	11	< 0.01	< 10	< 10	2	< 10	8	< 0.2	
294048	205	226	2	0.05	2	220	16	< 2	1	5	< 0.01	< 10	< 10	2	< 10	70	< 0.2	
294049	205	226	< 1	0.04	6	1690	< 2	< 2	4	157	< 0.01	< 10	< 10	50	10	108	0.6	
294050	205	226	< 1	0.08	< 1	1920	2	< 2	6	74	0.15	< 10	< 10	72	10	122	< 0.2	
294051	205	226	< 1	0.03	19	1740	4	< 2	11	72	0.13	< 10	< 10	97	10	98	< 0.2	
294052	205	226	< 1	0.02	25	2480	10	< 2	23	70	0.19	< 10	< 10	169	10	96	0.4	
294053	205	226	< 1	0.04	4	1080	6	< 2	8	57	< 0.01	< 10	< 10	60	10	82	< 0.2	
294054	205	226	2	0.01	< 1	170	12	6	1	6	< 0.01	< 10	< 10	3	< 10	6	< 0.2	
294055	205	226	3	0.03	< 1	110	4	< 2	1	4	< 0.01	< 10	< 10	1	< 10	12	< 0.2	
294056	205	226	< 1	0.03	1	1770	< 2	< 2	8	123	< 0.01	< 10	< 10	79	20	100	< 0.2	
294057	205	226	< 1	0.03	27	2510	< 2	< 2	10	32	0.21	< 10	< 10	120	10	94	< 0.2	
294058	205	226	< 1	0.06	3	610	8	< 2	5	39	0.14	< 10	< 10	64	< 10	60	< 0.2	
294059	205	226	< 1	0.07	2	1150	6	< 2	8	68	0.28	< 10	< 10	98	10	116	< 0.2	
294060	205	226	< 1	0.06	25	1430	10	< 2	13	47	0.27	< 10	< 10	119	10	104	< 0.2	

CERTIFICATION: *Hart Bichler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project: UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

Page Number :3-A
Total Pages :7
Certificate Date: 03-OCT-94
Invoice No. :19427173
P.O. Number :
Account :BSJ

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
294061	205 226	< 5	< 0.2	2.80	16	120	1.5	< 2	2.40	< 0.5	21	43	61	5.18	< 10	< 1	0.55	< 10	1.81	955
294062	205 226	< 5	< 0.2	3.15	22	270	1.0	< 2	2.66	< 0.5	14	58	74	5.70	< 10	< 1	0.29	10	2.11	795
294063	205 226	< 5	< 0.2	0.37	14	220	< 0.5	< 2	0.01	< 0.5	< 1	47	2	0.47	< 10	< 1	0.37	20	0.01	30
294064	205 226	< 5	< 0.2	0.96	36	630	0.5	< 2	5.07	< 0.5	14	19	30	4.10	< 10	< 1	0.54	< 10	0.70	1120
294065	205 226	< 5	< 0.2	3.80	10	520	< 0.5	< 2	2.75	< 0.5	26	157	43	5.31	< 10	< 1	0.15	10	3.71	1500
294066	205 226	< 5	< 0.2	1.51	10	100	< 0.5	< 2	0.22	< 0.5	7	26	3	2.81	< 10	1	0.20	10	0.83	735
294067	205 226	< 5	0.2	3.09	8	70	< 0.5	< 2	2.37	< 0.5	25	27	168	6.44	< 10	< 1	0.08	< 10	2.26	1410
294068	205 226	< 5	0.2	2.65	8	130	< 0.5	< 2	0.65	< 0.5	15	14	121	5.46	< 10	1	0.16	10	1.30	775
294069	205 226	< 5	< 0.2	0.84	6	390	1.5	< 2	0.01	< 0.5	< 1	51	3	2.28	< 10	< 1	0.45	30	0.09	160
294070	205 226	< 5	< 0.2	0.61	8	140	0.5	< 2	0.49	< 0.5	< 1	99	3	1.20	< 10	< 1	0.30	20	0.14	495
294071	205 226	15	0.2	0.66	42	60	< 0.5	< 2	0.02	< 0.5	1	30	9	1.57	< 10	< 1	0.30	< 10	0.02	60
294072	205 226	< 5	< 0.2	2.47	26	250	0.5	< 2	3.14	< 0.5	12	35	28	3.32	< 10	1	0.43	10	2.45	980
294073	205 226	< 5	< 0.2	1.14	< 2	580	< 0.5	< 2	0.64	< 0.5	5	33	< 1	2.53	< 10	< 1	0.38	10	0.29	755
294074	205 226	< 5	< 0.2	2.11	6	210	< 0.5	< 2	2.68	< 0.5	7	22	13	4.08	< 10	1	0.27	10	1.07	1510
294075	205 226	340	33.6	1.06	216	160	< 0.5	< 2	0.14	< 0.5	2	32	49	3.38	< 10	< 1	0.38	20	0.34	185
294076	205 226	< 5	< 0.2	2.74	24	150	0.5	< 2	3.92	< 0.5	16	28	100	4.50	< 10	1	0.32	< 10	1.45	640
294077	205 226	< 5	0.4	3.43	14	120	< 0.5	< 2	0.71	< 0.5	23	46	145	6.97	< 10	< 1	0.11	10	1.30	805
394001	205 226	< 5	< 0.2	2.85	34	130	< 0.5	< 2	1.57	< 0.5	17	34	64	4.57	< 10	< 1	0.37	< 10	1.80	865
394002	205 226	3340	6.2	0.24	>10000	60	< 0.5	< 2	0.03	< 0.5	2	207	33	4.26	< 10	< 1	0.19	< 10	0.03	100
394003	205 226	< 5	3.6	1.75	108	150	< 0.5	< 2	0.25	< 0.5	4	19	52	2.79	< 10	< 1	0.49	< 10	0.85	325
394004	205 226	< 5	0.4	2.68	66	190	< 0.5	< 2	0.65	1.0	13	29	20	5.55	< 10	< 1	0.48	< 10	1.12	590
394005	205 226	< 5	< 0.2	2.61	30	90	< 0.5	< 2	2.78	< 0.5	19	19	23	5.90	< 10	1	0.28	< 10	1.97	745
394006	205 226	< 5	< 0.2	2.33	28	140	< 0.5	< 2	0.55	< 0.5	15	24	15	5.43	< 10	< 1	0.28	10	0.95	195
394007	205 226	< 5	< 0.2	2.76	20	120	< 0.5	< 2	8.63	< 0.5	16	17	22	4.82	< 10	1	0.10	< 10	2.38	2020
394008	205 226	< 5	< 0.2	0.49	38	210	< 0.5	< 2	0.10	< 0.5	< 1	87	2	2.46	< 10	< 1	0.23	< 10	0.01	25
394009	205 226	< 5	< 0.2	0.99	24	310	< 0.5	< 2	0.33	< 0.5	3	38	7	2.09	< 10	< 1	0.32	10	0.08	105
394010	205 226	< 5	< 0.2	1.62	28	250	< 0.5	< 2	0.40	< 0.5	9	22	11	4.94	< 10	< 1	0.26	10	0.53	140
394011	205 226	< 5	< 0.2	1.65	18	90	< 0.5	< 2	0.47	< 0.5	16	23	11	5.35	< 10	< 1	0.27	< 10	0.36	140
394012	205 226	< 5	< 0.2	3.36	8	250	0.5	< 2	3.15	< 0.5	8	18	19	5.59	< 10	< 1	0.20	10	1.32	960
394013	205 226	< 5	< 0.2	2.66	60	100	< 0.5	< 2	1.24	< 0.5	7	32	9	6.00	< 10	< 1	0.07	10	1.34	510
394014	205 226	< 5	< 0.2	2.77	8	250	< 0.5	< 2	2.55	< 0.5	9	18	13	5.58	< 10	< 1	0.17	10	0.62	1840
394015	205 226	< 5	0.2	1.51	60	130	< 0.5	< 2	0.51	< 0.5	9	83	13	4.14	< 10	< 1	0.10	< 10	0.99	140
394016	205 226	< 5	< 0.2	1.43	12	200	< 0.5	< 2	0.04	< 0.5	2	15	19	2.19	< 10	< 1	0.20	10	1.10	115
394017	205 226	< 5	0.2	2.70	38	110	< 0.5	< 2	0.24	< 0.5	7	32	15	6.76	< 10	< 1	0.17	< 10	1.82	260
394018	205 226	< 5	< 0.2	1.34	8	120	< 0.5	< 2	0.70	< 0.5	6	136	6	3.31	< 10	< 1	0.07	< 10	0.28	300
394019	205 226	< 5	< 0.2	1.53	4	140	< 0.5	< 2	1.45	< 0.5	3	80	7	3.79	< 10	< 1	0.12	< 10	0.40	630
394020	205 226	< 5	0.2	3.50	4	110	< 0.5	< 2	2.09	< 0.5	16	16	19	6.59	< 10	1	0.03	10	1.46	1125
394021	205 226	< 5	< 0.2	3.27	40	300	1.5	< 2	0.09	3.5	6	33	365	6.55	< 10	< 1	0.23	50	0.48	110
394022	205 226	< 5	< 0.2	1.55	12	180	0.5	< 2	0.07	< 0.5	< 1	89	24	1.16	< 10	1	0.23	30	0.97	125
394023	205 226	< 5	< 0.2	3.30	8	230	0.5	< 2	2.10	< 0.5	18	11	20	5.55	< 10	< 1	0.12	10	1.58	1125

CERTIFICATION: *John J. Buchlan*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :3-B
 Total Pages :7
 Certificate Date: 03-OCT-94
 Invoice No. :19427173
 P.O. Number :
 Account :BSJ

Project : UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	ppm Aqua R
294061	205 226	< 1	0.02	19	1950	< 2	< 2	19	76	0.28	< 10	< 10	192	< 10	64	< 0.2	
294062	205 226	< 1	0.04	17	2290	< 2	< 2	14	277	< 0.01	< 10	< 10	151	< 10	90	< 0.2	
294063	205 226	4	0.04	1	60	6	< 2	< 1	6	< 0.01	< 10	< 10	1	< 10	32	< 0.2	
294064	205 226	< 1	0.01	8	1090	4	8	11	87	< 0.01	< 10	< 10	21	< 10	54	< 0.2	
294065	205 226	< 1	0.04	91	1940	< 2	< 2	13	89	< 0.01	< 10	< 10	130	< 10	112	< 0.2	
294066	205 226	< 1	0.08	2	720	6	< 2	2	12	< 0.01	< 10	< 10	41	< 10	66	< 0.2	
294067	205 226	< 1	0.07	11	930	< 2	< 2	22	59	< 0.01	< 10	< 10	269	< 10	78	< 0.2	
294068	205 226	< 1	0.08	4	1580	< 2	< 2	13	27	< 0.01	< 10	< 10	105	< 10	100	< 0.2	
294069	205 226	1	0.03	1	80	10	< 2	1	11	< 0.01	< 10	< 10	< 1	< 10	90	< 0.2	
294070	205 226	1	0.07	2	60	4	< 2	1	41	< 0.01	< 10	< 10	< 1	< 10	100	< 0.2	
294071	205 226	1	0.01	1	150	12	2	< 1	1	< 0.01	< 10	< 10	2	< 10	40	0.3	
294072	205 226	1	0.04	16	970	6	< 2	6	54	< 0.01	< 10	< 10	52	< 10	52	< 0.2	
294073	205 226	< 1	0.07	2	890	< 2	< 2	2	39	< 0.01	< 10	< 10	24	< 10	60	< 0.2	
294074	205 226	1	0.08	1	1410	< 2	< 2	6	59	< 0.01	< 10	< 10	65	< 10	98	< 0.2	
294075	205 226	3	0.01	6	1220	210	10	2	13	< 0.01	< 10	< 10	18	< 10	46	34.8	
294076	205 226	< 1	0.03	24	1430	14	2	4	245	< 0.01	< 10	< 10	50	< 10	112	0.2	
294077	205 226	< 1	0.01	14	1990	< 2	< 2	8	25	< 0.01	< 10	< 10	89	< 10	104	< 0.2	
394001	205 226	< 1	0.03	35	1150	16	< 2	4	80	< 0.01	< 10	< 10	44	< 10	92	< 0.2	
394002	205 226	11	< 0.01	7	160	222	284	< 1	3	< 0.01	< 10	< 10	2	< 10	174	6.1	
394003	205 226	2	0.01	7	1260	26	2	3	12	< 0.01	< 10	< 10	25	< 10	44	3.5	
394004	205 226	13	0.03	3	3040	8	< 2	6	16	< 0.01	< 10	< 10	58	< 10	164	0.5	
394005	205 226	1	0.06	1	2590	10	2	7	104	< 0.01	< 10	< 10	47	< 10	66	0.3	
394006	205 226	3	0.11	1	2850	2	< 2	8	40	< 0.01	< 10	< 10	64	< 10	60	< 0.2	
394007	205 226	< 1	0.04	1	1770	8	< 2	12	310	< 0.01	< 10	< 10	67	< 10	116	< 0.2	
394008	205 226	23	0.09	1	1530	4	< 2	2	39	< 0.01	< 10	< 10	14	< 10	10	< 0.2	
394009	205 226	2	0.06	< 1	2290	2	< 2	4	18	< 0.01	< 10	< 10	24	< 10	44	< 0.2	
394010	205 226	4	0.07	< 1	3440	6	< 2	7	23	< 0.01	< 10	< 10	39	< 10	20	0.2	
394011	205 226	4	0.11	1	2080	4	< 2	6	34	< 0.01	< 10	< 10	46	< 10	40	0.2	
394012	205 226	< 1	0.08	< 1	2210	< 2	< 2	13	94	< 0.01	< 10	< 10	94	< 10	136	< 0.2	
394013	205 226	1	0.08	2	2470	< 2	< 2	14	44	< 0.01	< 10	< 10	88	< 10	192	< 0.2	
394014	205 226	< 1	0.04	< 1	1920	2	2	10	131	< 0.01	< 10	< 10	54	< 10	110	< 0.2	
394015	205 226	4	0.12	3	2150	< 2	< 2	10	22	< 0.01	< 10	< 10	67	< 10	58	< 0.2	
394016	205 226	15	0.03	1	290	18	2	2	12	< 0.01	< 10	< 10	19	< 10	36	0.2	
394017	205 226	5	0.04	2	1100	4	< 2	7	14	< 0.01	< 10	< 10	49	< 10	62	0.2	
394018	205 226	1	0.03	2	880	< 2	< 2	4	32	< 0.01	< 10	< 10	20	< 10	64	< 0.2	
394019	205 226	1	0.05	1	1390	< 2	< 2	7	82	< 0.01	< 10	< 10	30	< 10	68	< 0.2	
394020	205 226	1	0.05	1	1860	6	< 2	15	120	< 0.01	< 10	< 10	106	< 10	120	< 0.2	
394021	205 226	77	0.05	84	990	24	< 2	17	12	< 0.01	< 10	< 10	87	< 10	654	0.5	
394022	205 226	8	0.02	9	110	4	< 2	1	9	< 0.01	< 10	< 10	20	< 10	118	< 0.2	
394023	205 226	1	0.06	3	2220	6	< 2	14	121	< 0.01	< 10	< 10	91	< 10	126	< 0.2	

CERTIFICATION: *Hart Bichler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 4-A
 Total Pages : 7
 Certificate Date : 03-OCT-94
 Invoice No. : 19427173
 P.O. Number :
 Account : BJS

Project : UNUK #134

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREF CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
394024	205 226	< 5	0.2	3.54	18	210	< 0.5	< 2	2.15	< 0.5	15	11	18	6.05	< 10	< 1	0.12	10	1.76	965
394025	205 226	< 5	< 0.2	2.86	14	230	0.5	< 2	1.03	< 0.5	14	10	14	4.68	< 10	< 1	0.18	10	1.35	505
394026	205 226	< 5	0.2	2.17	14	90	< 0.5	< 2	0.33	< 0.5	25	17	23	6.37	< 10	< 1	0.16	< 10	0.88	350
394027	205 226	< 5	< 0.2	2.09	8	190	< 0.5	< 2	0.71	< 0.5	5	27	11	5.48	< 10	< 1	0.24	10	0.87	635
394028	205 226	10	< 0.2	1.91	14	100	< 0.5	< 2	1.33	< 0.5	8	46	10	5.68	< 10	< 1	0.12	< 10	0.71	1170
394029	205 226	< 5	< 0.2	0.81	12	100	< 0.5	< 2	0.12	0.5	4	20	15	2.92	< 10	< 1	0.34	< 10	0.19	75
394030	205 226	< 5	< 0.2	3.75	6	40	< 0.5	< 2	2.07	< 0.5	31	58	78	5.14	< 10	< 1	0.01	< 10	2.70	595
394031	205 226	< 5	0.2	1.19	8	130	< 0.5	< 2	0.02	< 0.5	3	30	20	2.04	< 10	1	0.14	< 10	0.75	325
394032	205 226	5	1.2	1.54	16	180	< 0.5	< 2	0.06	< 0.5	2	20	17	2.69	< 10	< 1	0.21	< 10	1.03	225
394033	205 226	< 5	0.2	2.19	4	320	< 0.5	< 2	1.52	< 0.5	18	15	52	4.07	< 10	< 1	0.18	< 10	1.30	1055
394034	205 226	< 5	0.4	2.89	< 2	290	< 0.5	< 2	0.76	< 0.5	22	28	252	5.94	< 10	< 1	0.13	< 10	1.38	1745
394035	205 226	< 5	< 0.2	1.26	12	1050	< 0.5	< 2	1.55	< 0.5	23	16	30	4.59	< 10	< 1	0.16	< 10	0.65	1375
394036	205 226	< 5	0.4	3.51	32	110	< 0.5	< 2	5.06	< 0.5	21	32	55	8.09	< 10	< 1	0.12	< 10	2.09	2070
394037	205 226	< 5	< 0.2	2.01	12	280	< 0.5	< 2	0.42	< 0.5	3	8	13	3.72	< 10	< 1	0.33	< 10	0.42	235
394038	205 226	< 5	2.0	0.85	26	160	< 0.5	2	0.30	< 0.5	2	31	13	2.35	< 10	< 1	0.29	< 10	0.37	165
394039	205 226	< 5	1.8	1.33	20	120	< 0.5	< 2	0.27	< 0.5	1	36	40	3.98	< 10	1	0.27	< 10	0.30	80
394040	205 226	< 5	< 0.2	3.22	8	260	< 0.5	2	2.93	< 0.5	16	12	31	5.19	< 10	< 1	0.21	10	1.99	1870
394041	205 226	< 5	< 0.2	2.85	8	320	< 0.5	< 2	2.07	< 0.5	13	17	13	4.50	< 10	< 1	0.08	< 10	1.74	1255
394042	205 226	< 5	< 0.2	1.90	6	700	< 0.5	< 2	1.11	< 0.5	6	21	11	2.36	< 10	< 1	0.12	< 10	1.02	880
394043	205 226	< 5	< 0.2	2.82	10	220	1.0	< 2	3.64	< 0.5	22	24	94	5.66	< 10	< 1	0.33	< 10	1.59	960
394044	205 226	< 5	< 0.2	1.09	8	140	0.5	< 2	2.18	< 0.5	7	11	1	4.21	< 10	1	0.23	20	0.59	1045
394045	205 226	< 5	< 0.2	2.86	8	300	1.0	< 2	2.07	< 0.5	27	65	79	5.77	< 10	< 1	0.48	10	1.84	1275
394046	205 226	< 5	< 0.2	1.13	6	210	< 0.5	< 2	2.28	< 0.5	6	13	9	2.15	< 10	1	0.29	10	0.62	720
394047	205 226	< 5	< 0.2	1.39	6	100	< 0.5	< 2	0.67	< 0.5	7	35	16	2.48	< 10	1	0.10	10	0.86	835
394048	205 226	< 5	< 0.2	0.91	2	100	< 0.5	< 2	1.24	< 0.5	6	37	14	2.42	< 10	1	0.12	10	0.49	755
394049	205 226	< 5	< 0.2	1.55	10	60	1.0	< 2	4.25	< 0.5	21	28	50	5.05	< 10	< 1	0.10	< 10	1.62	1115
394050	205 226	< 5	< 0.2	2.73	12	90	1.0	< 2	6.32	< 0.5	27	61	131	5.15	< 10	< 1	0.08	10	2.46	1065
394051	205 226	< 5	< 0.2	2.58	20	80	1.0	< 2	3.09	< 0.5	27	30	142	6.27	< 10	< 1	0.10	< 10	2.00	1070
394052	205 226	< 5	< 0.2	1.84	20	70	1.0	< 2	5.88	< 0.5	22	24	104	5.02	< 10	< 1	0.15	< 10	1.57	1170
394053	205 226	< 5	< 0.2	0.23	14	240	< 0.5	< 2	0.05	< 0.5	< 1	75	4	1.37	< 10	< 1	0.11	10	0.02	155
394054	205 226	< 5	< 0.2	0.25	10	230	< 0.5	< 2	0.07	< 0.5	< 1	128	3	1.15	< 10	< 1	0.13	20	0.02	140
394055	205 226	< 5	< 0.2	0.70	34	70	0.5	< 2	0.01	< 0.5	2	25	4	0.86	< 10	< 1	0.34	10	0.02	320
394056	205 226	< 5	< 0.2	1.75	20	170	0.5	< 2	3.24	< 0.5	10	30	22	3.85	< 10	< 1	0.30	20	1.25	1030
394057	205 226	< 5	< 0.2	1.83	2	260	< 0.5	< 2	0.39	< 0.5	6	39	8	3.09	< 10	< 1	0.25	20	0.78	1110
394058	205 226	< 5	0.2	4.34	18	210	1.0	< 2	3.73	< 0.5	12	18	23	4.65	< 10	1	0.07	10	1.87	1330
394059	205 226	< 5	< 0.2	3.27	12	140	< 0.5	< 2	1.86	< 0.5	19	29	62	5.16	< 10	< 1	0.06	< 10	2.66	1110
394060	205 226	< 5	< 0.2	0.68	36	310	1.0	< 2	0.32	0.5	12	12	48	5.17	< 10	< 1	0.30	10	0.09	445
394061	205 226	< 5	< 0.2	2.17	8	70	1.0	< 2	2.41	< 0.5	23	29	145	5.60	< 10	< 1	0.12	< 10	1.93	1100
394062	205 226	< 5	< 0.2	2.03	12	100	0.5	< 2	3.48	< 0.5	24	21	119	5.56	< 10	< 1	0.27	< 10	1.43	910
394063	205 226	< 5	< 0.2	0.73	4	180	0.5	< 2	1.88	< 0.5	10	15	16	2.84	< 10	1	0.41	10	0.31	715

CERTIFICATION: *Heidi Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 4-B
 Total Pages : 7
 Certificate Date: 03-OCT-94
 Invoice No. : I9427173
 P.O. Number :
 Account : BSJ

Project : UNUK #134
 Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS A9427173

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	ppm Aqua R
394024	205 226	2	0.06	2	2100	< 2	< 2	11	118	< 0.01	< 10	< 10	68	< 10	120	< 0.2	
394025	205 226	1	0.05	1	3530	< 2	< 2	10	35	< 0.01	< 10	< 10	69	< 10	124	< 0.2	
394026	205 226	7	0.06	3	1730	6	< 2	8	12	< 0.01	< 10	< 10	51	< 10	52	0.2	
394027	205 226	< 1	0.03	2	1570	2	< 2	7	39	0.01	< 10	< 10	38	< 10	68	0.2	
394028	205 226	9	0.04	1	1180	6	< 2	11	79	0.01	< 10	< 10	59	< 10	78	0.2	
394029	205 226	6	0.03	2	370	< 2	< 2	2	8	0.07	< 10	< 10	5	< 10	64	< 0.2	
394030	205 226	1	0.03	49	620	< 2	< 2	5	15	0.36	< 10	< 10	152	< 10	92	< 0.2	
394031	205 226	1	0.01	5	200	6	< 2	1	3	< 0.01	< 10	< 10	11	< 10	72	0.6	
394032	205 226	9	0.02	4	410	12	< 2	1	4	< 0.01	< 10	< 10	14	< 10	46	1.1	
394033	205 226	< 1	0.01	7	1290	4	< 2	2	60	0.01	< 10	< 10	42	< 10	88	< 0.2	
394034	205 226	1	0.04	7	810	16	< 2	7	35	< 0.01	< 10	< 10	108	< 10	114	< 0.2	
394035	205 226	< 1	0.02	5	2040	< 2	< 2	8	97	0.02	< 10	< 10	69	< 10	94	< 0.2	
394036	205 226	1	0.03	11	1540	< 2	< 2	19	102	< 0.01	< 10	< 10	221	< 10	122	< 0.2	
394037	205 226	< 1	0.01	2	1700	< 2	< 2	3	16	< 0.01	< 10	< 10	21	< 10	42	< 0.2	
394038	205 226	18	0.03	13	310	14	< 2	3	9	0.17	< 10	< 10	52	< 10	30	1.7	
394039	205 226	2	0.02	19	1530	8	< 2	3	17	< 0.01	< 10	< 10	29	< 10	58	1.5	
394040	205 226	< 1	0.04	5	1960	< 2	< 2	6	57	0.04	< 10	< 10	72	< 10	104	< 0.2	
394041	205 226	< 1	0.04	2	1650	< 2	< 2	4	103	0.25	< 10	< 10	93	< 10	92	< 0.2	
394042	205 226	< 1	0.05	1	970	2	< 2	1	184	0.17	< 10	< 10	30	< 10	90	< 0.2	
394043	205 226	< 1	0.02	16	2670	< 2	< 2	21	168	0.04	< 10	< 10	110	< 10	72	< 0.2	
394044	205 226	< 1	0.07	< 1	2980	6	< 2	4	68	< 0.01	< 10	< 10	23	< 10	110	< 0.2	
394045	205 226	< 1	0.03	26	2970	6	< 2	24	194	0.02	< 10	< 10	165	< 10	102	< 0.2	
394046	205 226	< 1	0.05	1	690	6	< 2	2	74	< 0.01	< 10	< 10	23	< 10	50	< 0.2	
394047	205 226	< 1	0.08	2	590	8	< 2	3	19	0.01	< 10	< 10	53	< 10	56	< 0.2	
394048	205 226	1	0.08	2	650	12	< 2	4	59	< 0.01	< 10	< 10	43	< 10	54	< 0.2	
394049	205 226	< 1	0.04	15	2640	< 2	< 2	27	294	0.06	< 10	< 10	177	< 10	60	< 0.2	
394050	205 226	< 1	0.03	25	3320	4	< 2	26	410	< 0.01	< 10	< 10	243	< 10	82	< 0.2	
394051	205 226	< 1	0.03	17	3180	< 2	< 2	29	243	0.03	< 10	< 10	272	< 10	82	< 0.2	
394052	205 226	< 1	0.03	12	2640	4	< 2	23	261	< 0.01	< 10	< 10	154	< 10	68	< 0.2	
394053	205 226	1	0.05	1	160	18	< 2	1	13	< 0.01	< 10	< 10	2	< 10	36	< 0.2	
394054	205 226	4	0.06	2	100	34	< 2	< 1	16	< 0.01	< 10	< 10	1	< 10	88	< 0.2	
394055	205 226	< 1	< 0.01	2	80	6	2	1	3	< 0.01	< 10	< 10	1	< 10	20	< 0.2	
394056	205 226	2	0.04	14	920	4	< 2	6	166	< 0.01	< 10	< 10	50	< 10	76	< 0.2	
394057	205 226	< 1	0.06	3	980	< 2	< 2	1	19	< 0.01	< 10	< 10	38	< 10	62	< 0.2	
394058	205 226	< 1	0.04	3	1550	6	< 2	12	81	0.34	< 10	< 10	156	< 10	120	< 0.2	
394059	205 226	< 1	0.05	17	1460	< 2	< 2	11	280	0.40	< 10	< 10	164	< 10	102	< 0.2	
394060	205 226	4	0.02	11	1060	20	2	6	25	< 0.01	< 10	< 10	15	< 10	288	< 0.2	
394061	205 226	< 1	0.03	17	2640	2	< 2	26	116	0.03	< 10	< 10	137	< 10	70	< 0.2	
394062	205 226	< 1	0.02	16	2970	< 2	< 2	19	167	0.04	< 10	< 10	122	< 10	76	< 0.2	
394063	205 226	2	0.03	2	860	12	< 2	3	77	< 0.01	< 10	< 10	18	< 10	52	< 0.2	

CERTIFICATION:

Hunter Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 5-A
 Total Pages : 7
 Certificate Date : 03-OCT-94
 Invoice No. : 19427173
 P.O. Number :
 Account : BJSJ

Project : UNUK #134

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
394064	205	226	< 5	< 0.2	0.57	18	180	< 0.5	< 2	0.03	< 0.5	1	51	6	1.51	< 10	< 1	0.28	< 10	0.03	100
394065	205	226	< 5	< 0.2	0.48	40	190	< 0.5	< 2	0.02	< 0.5	1	75	28	1.59	< 10	< 1	0.31	< 10	0.02	30
394066	205	226	< 5	< 0.2	3.39	26	130	< 0.5	< 2	1.83	0.5	14	34	17	5.44	< 10	< 1	0.06	< 10	2.10	1455
394067	205	226	< 5	< 0.2	2.30	26	710	< 0.5	< 2	7.76	< 0.5	11	17	3	4.51	< 10	< 1	0.30	< 10	1.45	1310
394068	205	226	< 5	< 0.2	1.75	10	170	< 0.5	< 2	0.54	< 0.5	8	56	6	2.87	< 10	< 1	0.18	< 10	1.10	990
394069	205	226	< 5	< 0.2	1.62	6	170	< 0.5	< 2	0.55	< 0.5	8	40	7	2.80	< 10	< 1	0.35	< 10	0.77	1100
394070	205	226	< 5	< 0.2	3.35	< 2	200	< 0.5	2	3.04	< 0.5	23	25	70	5.89	< 10	< 1	0.09	< 10	2.69	1275
394071	205	226	< 5	< 0.2	2.49	< 2	60	0.5	2	3.85	< 0.5	25	34	112	6.41	< 10	< 1	0.13	< 10	2.01	1120
394072	205	226	< 5	< 0.2	0.49	18	130	< 0.5	< 2	0.07	< 0.5	1	50	10	1.57	< 10	< 1	0.25	< 10	0.08	110
394073	205	226	< 5	< 0.2	0.60	12	280	0.5	< 2	0.07	< 0.5	< 1	42	4	1.47	< 10	< 1	0.38	10	0.08	45
394074	205	226	< 5	< 0.2	0.75	14	220	0.5	< 2	0.02	< 0.5	< 1	25	2	2.03	< 10	< 1	0.33	10	0.08	215
394075	205	226	< 5	< 0.2	0.80	14	70	< 0.5	< 2	0.01	< 0.5	2	36	6	2.04	< 10	< 1	0.33	< 10	0.04	340
394076	205	226	< 5	< 0.2	1.67	8	520	0.5	< 2	2.26	< 0.5	11	25	24	3.56	< 10	< 1	0.46	< 10	0.87	820
394077	205	226	< 5	< 0.2	2.08	14	240	0.5	< 2	2.56	< 0.5	10	24	21	2.72	< 10	< 1	0.46	< 10	1.19	725
394078	205	226	< 5	< 0.2	3.15	18	1340	< 0.5	< 2	4.20	0.5	17	20	54	6.36	< 10	< 1	0.13	< 10	2.00	1725
394079	205	226	< 5	< 0.2	4.06	8	110	< 0.5	2	2.79	0.5	13	17	16	5.74	< 10	< 1	0.04	< 10	2.05	1450
394080	205	226	< 5	< 0.2	2.44	4	250	< 0.5	< 2	1.39	0.5	11	25	19	3.92	< 10	< 1	0.27	< 10	1.05	1375
394081	205	226	< 5	0.2	2.89	32	260	< 0.5	< 2	0.93	0.5	13	43	149	4.61	< 10	< 1	0.41	< 10	1.79	815
394082	205	226	< 5	< 0.2	2.53	12	200	< 0.5	< 2	1.53	0.5	13	20	30	4.65	< 10	< 1	0.19	< 10	1.37	1010
394083	205	226	< 5	< 0.2	2.57	4	150	< 0.5	< 2	1.20	< 0.5	15	17	40	5.00	< 10	< 1	0.13	< 10	1.46	1290
394084	205	226	< 5	< 0.2	3.75	16	250	1.0	2	0.72	0.5	29	45	176	6.00	< 10	< 1	0.65	< 10	2.10	1170
394085	205	226	< 5	0.2	3.64	10	410	1.5	2	0.40	0.5	26	42	108	5.64	< 10	< 1	0.90	< 10	1.38	1070
394086	205	226	< 5	< 0.2	2.33	6	240	0.5	4	4.96	0.5	24	86	90	4.42	< 10	< 1	0.56	< 10	2.05	920
394087	205	226	< 5	< 0.2	1.34	12	940	1.5	< 2	0.36	0.5	1	5	12	1.01	< 10	< 1	0.61	10	0.13	430
394088	205	226	< 5	< 0.2	1.04	6	190	1.0	< 2	1.49	< 0.5	1	13	14	1.20	< 10	< 1	0.48	< 10	0.73	520
394089	205	226	< 5	< 0.2	3.65	36	90	0.5	2	1.37	0.5	23	100	48	6.70	< 10	< 1	0.21	< 10	2.73	1005
394090	205	226	< 5	< 0.2	2.03	58	250	0.5	< 2	1.23	< 0.5	13	19	166	4.08	< 10	1	0.50	< 10	0.89	445
394091	205	226	< 5	< 0.2	1.64	660	120	< 0.5	2	2.17	0.5	12	41	74	4.84	< 10	< 1	0.34	< 10	1.27	845
394092	205	226	< 5	< 0.2	0.86	8	520	0.5	< 2	4.54	0.5	8	15	20	3.48	< 10	< 1	0.50	< 10	0.90	1255
394093	205	226	< 5	< 0.2	0.93	52	230	0.5	< 2	4.39	0.5	14	26	103	3.62	< 10	< 1	0.50	< 10	1.05	705
394094	205	226	< 5	< 0.2	1.42	6	150	< 0.5	< 2	0.85	< 0.5	8	34	11	2.94	< 10	< 1	0.38	< 10	0.91	820
394095	205	226	< 5	< 0.2	1.49	2	120	< 0.5	< 2	0.62	< 0.5	7	48	9	2.80	< 10	< 1	0.17	< 10	0.87	820
394096	205	226	< 5	< 0.2	2.64	< 2	250	1.5	< 2	4.20	0.5	29	103	117	5.69	< 10	< 1	0.14	< 10	4.12	1010
394097	205	226	< 5	< 0.2	0.70	4	100	0.5	2	8.96	< 0.5	21	28	69	5.14	< 10	< 1	0.40	< 10	2.45	1245
394098	205	226	< 5	< 0.2	0.82	8	180	0.5	< 2	0.06	< 0.5	< 1	33	3	1.40	< 10	< 1	0.43	10	0.07	90
394099	205	226	145	1.4	0.60	264	80	< 0.5	< 2	0.02	< 0.5	< 1	41	3	0.39	< 10	< 1	0.35	< 10	0.04	15
394100	205	226	< 5	0.4	0.94	38	310	0.5	< 2	3.06	< 0.5	11	14	21	3.03	< 10	< 1	0.51	< 10	0.65	600
394101	205	226	< 5	< 0.2	2.45	12	390	< 0.5	< 2	3.20	< 0.5	6	14	4	3.62	< 10	< 1	0.51	< 10	0.98	1390
394102	205	226	< 5	< 0.2	3.27	< 2	600	< 0.5	< 2	3.43	< 0.5	20	21	57	5.97	< 10	< 1	0.17	< 10	2.38	1300
394103	205	226	< 5	< 0.2	2.23	< 2	390	< 0.5	< 2	1.48	< 0.5	6	20	10	2.95	< 10	< 1	0.48	< 10	0.87	970

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number :5-B
 Total Pages :7
 Certificate Date: 03-OCT-94
 Invoice No. : I9427173
 P.O. Number :
 Account : BJSJ

Project : UNUK #134

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427173

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Ag
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
394064	205	226	2	0.03	2	150	16	< 2	< 1	9	< 0.01	< 10	< 10	3	< 10	44	< 0.2
394065	205	226	19	0.04	6	240	18	< 2	1	26	< 0.01	< 10	< 10	16	< 10	24	0.2
394066	205	226	< 1	0.04	9	1370	18	2	12	27	0.36	< 10	< 10	170	< 10	96	< 0.2
394067	205	226	2	0.04	1	1620	14	< 2	4	190	0.21	< 10	< 10	73	< 10	160	< 0.2
394068	205	226	1	0.10	2	720	8	2	4	19	0.11	< 10	< 10	61	< 10	58	< 0.2
394069	205	226	< 1	0.08	3	740	8	< 2	3	17	< 0.01	< 10	< 10	32	< 10	88	< 0.2
394070	205	226	< 1	0.07	10	940	10	< 2	13	73	0.26	< 10	< 10	195	< 10	92	< 0.2
394071	205	226	< 1	0.05	16	2840	14	2	21	170	< 0.01	< 10	< 10	211	< 10	114	< 0.2
394072	205	226	6	0.05	2	160	24	< 2	1	11	< 0.01	< 10	< 10	9	< 10	26	< 0.2
394073	205	226	1	0.04	1	160	18	< 2	1	12	< 0.01	< 10	< 10	4	< 10	14	< 0.2
394074	205	226	1	0.05	1	350	14	< 2	1	9	< 0.01	< 10	< 10	2	< 10	38	< 0.2
394075	205	226	< 1	0.01	3	70	26	8	1	8	< 0.01	< 10	< 10	3	< 10	96	< 0.2
394076	205	226	1	0.05	13	1030	12	< 2	5	71	< 0.01	< 10	< 10	43	< 10	88	< 0.2
394077	205	226	1	0.05	13	970	12	4	4	82	< 0.01	< 10	< 10	52	< 10	68	< 0.2
394078	205	226	1	0.07	7	1620	8	< 2	14	122	0.35	< 10	< 10	166	< 10	132	< 0.2
394079	205	226	1	0.06	3	1760	14	4	11	90	0.44	< 10	< 10	178	< 10	154	< 0.2
394080	205	226	1	0.07	2	920	10	< 2	6	42	0.22	< 10	< 10	79	< 10	106	< 0.2
394081	205	226	2	0.04	27	1400	14	2	9	42	0.13	< 10	< 10	104	< 10	114	< 0.2
394082	205	226	< 1	0.08	5	1100	12	< 2	9	84	0.15	< 10	< 10	99	< 10	84	< 0.2
394083	205	226	< 1	0.08	4	1340	6	4	9	34	0.26	< 10	< 10	141	< 10	92	< 0.2
394084	205	226	1	0.03	28	2080	24	2	16	57	0.09	< 10	< 10	123	< 10	90	< 0.2
394085	205	226	1	0.02	27	1890	16	< 2	16	42	0.02	< 10	< 10	104	< 10	86	< 0.2
394086	205	226	< 1	0.04	71	820	6	< 2	15	157	< 0.01	< 10	< 10	73	< 10	102	< 0.2
394087	205	226	1	0.02	8	180	10	2	2	43	< 0.01	< 10	< 10	3	< 10	72	< 0.2
394088	205	226	3	0.01	3	170	16	< 2	2	32	< 0.01	< 10	< 10	3	< 10	74	< 0.2
394089	205	226	2	0.05	25	1830	8	< 2	13	60	< 0.01	< 10	< 10	168	< 10	90	< 0.2
394090	205	226	< 1	0.02	11	1550	12	4	6	95	< 0.01	< 10	< 10	46	< 10	108	< 0.2
394091	205	226	1	0.03	15	1270	22	16	5	135	< 0.01	< 10	< 10	56	< 10	110	< 0.2
394092	205	226	2	0.04	5	1230	12	< 2	3	150	< 0.01	< 10	< 10	21	< 10	98	< 0.2
394093	205	226	1	0.02	16	1320	18	6	8	243	< 0.01	< 10	< 10	25	< 10	118	< 0.2
394094	205	226	< 1	0.08	2	700	4	< 2	3	28	< 0.01	< 10	< 10	32	< 10	60	< 0.2
394095	205	226	< 1	0.09	2	670	6	< 2	3	23	< 0.01	< 10	< 10	44	< 10	52	< 0.2
394096	205	226	1	0.04	30	2580	18	4	24	678	< 0.01	< 10	< 10	175	< 10	102	< 0.2
394097	205	226	< 1	0.04	10	1930	20	10	13	267	< 0.01	< 10	< 10	100	< 10	176	< 0.2
394098	205	226	4	0.03	< 1	130	10	< 2	1	6	< 0.01	< 10	< 10	1	< 10	42	< 0.2
394099	205	226	2	0.01	1	150	16	< 2	< 1	3	< 0.01	< 10	< 10	2	< 10	6	1.2
394100	205	226	2	0.02	13	950	14	10	4	54	< 0.01	< 10	< 10	18	< 10	56	0.6
394101	205	226	< 1	0.06	1	1320	8	< 2	3	128	< 0.01	< 10	< 10	44	< 10	134	< 0.2
394102	205	226	< 1	0.12	8	1450	8	4	15	145	0.40	< 10	< 10	228	< 10	124	< 0.2
394103	205	226	1	0.05	2	950	6	4	2	31	0.11	< 10	< 10	49	< 10	64	< 0.2

CERTIFICATION: *Janet Buchlan*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project : UNUK #134
 Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

Page Number :6-A
 Total Pages :7
 Certificate Date: 03-OCT-94
 Invoice No. :19427173
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS A9427173

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
394104	205 226	10	< 0.2	1.39	14	110	< 0.5	< 2	0.71	< 0.5	6	57	12	2.44	< 10	< 1	0.15	< 10	0.82	780
394105	205 226	< 5	< 0.2	1.59	20	110	< 0.5	< 2	2.50	0.5	9	22	30	3.01	< 10	< 1	0.11	< 10	1.05	870
394106	205 226	< 5	< 0.2	2.80	32	210	0.5	< 2	0.48	0.5	15	66	126	4.38	< 10	< 1	0.25	< 10	1.85	770
394107	205 226	< 5	< 0.2	1.28	22	170	0.5	< 2	0.93	< 0.5	12	24	41	4.07	< 10	< 1	0.54	< 10	1.01	620
394108	205 226	< 5	< 0.2	0.86	12	290	0.5	< 2	0.02	< 0.5	< 1	53	4	1.63	< 10	< 1	0.43	10	0.07	65
394109	205 226	70	0.8	0.43	682	300	< 0.5	< 2	< 0.01	< 0.5	< 1	107	9	1.29	< 10	< 1	0.43	10	< 0.01	10
394110	205 226	< 5	< 0.2	2.19	24	430	0.5	< 2	2.46	0.5	13	40	19	3.03	< 10	< 1	0.45	< 10	1.88	745
394111	205 226	< 5	< 0.2	2.59	16	1130	0.5	2	2.42	< 0.5	11	35	23	3.39	10	< 1	0.46	< 10	1.66	785
394112	205 226	< 5	< 0.2	0.71	624	60	< 0.5	< 2	0.41	0.5	8	79	47	3.80	< 10	< 1	0.35	< 10	0.16	335
394113	205 226	< 5	< 0.2	2.21	12	640	< 0.5	< 2	3.06	< 0.5	8	18	12	3.49	< 10	< 1	0.39	< 10	1.03	1165
394114	205 226	< 5	< 0.2	1.99	12	160	< 0.5	< 2	0.50	0.5	8	55	9	2.62	< 10	< 1	0.47	< 10	0.66	680
394115	205 226	< 5	< 0.2	1.65	6	170	< 0.5	< 2	0.47	0.5	8	45	14	3.10	< 10	< 1	0.17	< 10	0.91	870
394116	205 226	< 5	< 0.2	2.74	< 2	140	< 0.5	< 2	2.58	< 0.5	22	80	103	5.67	< 10	< 1	0.19	< 10	1.63	1250
394117	205 226	< 5	< 0.2	2.00	6	50	< 0.5	2	4.20	< 0.5	12	46	104	3.95	< 10	< 1	0.16	< 10	1.14	1375
394118	205 226	< 5	< 0.2	2.10	8	160	0.5	< 2	1.35	< 0.5	12	25	58	3.63	< 10	< 1	0.33	< 10	0.94	795
394119	205 226	< 5	< 0.2	1.02	10	290	1.0	< 2	0.42	0.5	2	29	12	1.55	< 10	< 1	0.55	10	0.34	290
394120	205 226	< 5	< 0.2	0.84	8	200	0.5	< 2	0.10	< 0.5	1	24	8	1.79	< 10	< 1	0.43	10	0.36	170
394121	205 226	20	< 0.2	0.42	478	310	< 0.5	< 2	< 0.01	< 0.5	< 1	122	2	0.81	< 10	< 1	0.43	< 10	0.01	10
394122	205 226	235	10.2	0.75	496	130	< 0.5	< 2	< 0.01	< 0.5	4	62	19	2.01	< 10	< 1	0.53	< 10	0.02	25
394123	205 226	40	2.2	0.99	142	180	< 0.5	< 2	0.02	0.5	1	44	26	2.92	< 10	< 1	0.55	< 10	0.05	35
394124	205 226	< 5	< 0.2	1.29	150	490	0.5	< 2	0.56	< 0.5	11	29	48	5.16	< 10	< 1	0.68	< 10	0.37	2410
394125	205 226	< 5	< 0.2	2.73	14	160	< 0.5	< 2	2.29	0.5	12	18	21	4.92	< 10	< 1	0.21	< 10	1.44	1255
394126	205 226	< 5	< 0.2	3.26	6	1720	< 0.5	2	3.31	0.5	16	17	35	5.40	< 10	< 1	0.25	< 10	2.09	1375
394127	205 226	< 5	< 0.2	3.40	< 2	550	< 0.5	< 2	2.75	0.5	12	13	7	5.32	< 10	< 1	0.34	< 10	1.56	1675
394128	205 226	< 5	< 0.2	3.81	18	860	< 0.5	2	3.05	0.5	19	34	22	6.22	< 10	< 1	0.19	< 10	2.27	1345
394129	205 226	< 5	< 0.2	1.99	8	1220	< 0.5	2	4.21	0.5	15	33	55	4.56	< 10	< 1	0.45	< 10	1.33	1005
394130	205 226	< 5	< 0.2	1.54	4	750	< 0.5	2	6.99	0.5	15	24	20	5.35	< 10	< 1	0.35	< 10	2.29	1440
394131	205 226	< 5	< 0.2	3.39	2	940	< 0.5	< 2	3.86	0.5	15	13	27	4.93	< 10	< 1	0.12	< 10	2.03	1290
494001	205 226	< 5	< 0.2	1.84	14	130	< 0.5	< 2	0.58	0.5	10	56	10	3.74	< 10	< 1	0.33	< 10	0.47	230
494002	205 226	< 5	< 0.2	3.02	66	240	< 0.5	< 2	0.14	< 0.5	4	68	9	5.99	10	< 1	0.24	< 10	1.83	240
494003	205 226	< 5	1.4	1.24	32	50	< 0.5	< 2	0.14	0.5	6	55	41	2.96	< 10	< 1	0.06	< 10	0.75	355
494004	205 226	< 5	< 0.2	2.37	12	240	< 0.5	< 2	0.86	0.5	19	35	114	5.65	< 10	1	0.03	< 10	1.97	845
494005	205 226	< 5	< 0.2	1.03	208	540	< 0.5	< 2	7.50	0.5	17	61	46	4.35	< 10	< 1	0.39	< 10	1.57	1485
494006	205 226	< 5	< 0.2	0.50	64	180	< 0.5	< 2	0.09	< 0.5	< 1	73	7	1.40	< 10	< 1	0.44	10	0.06	55
494007	205 226	< 5	< 0.2	0.27	156	200	< 0.5	< 2	0.09	< 0.5	< 1	134	4	1.11	< 10	< 1	0.36	< 10	< 0.01	15
494008	205 226	< 5	< 0.2	1.58	62	90	0.5	< 2	4.85	0.5	17	42	53	4.70	< 10	< 1	0.51	< 10	1.26	1110
494009	205 226	< 5	< 0.2	0.35	384	90	< 0.5	< 2	0.02	< 0.5	< 1	44	2	1.28	< 10	< 1	0.40	10	< 0.01	10
494010	205 226	< 5	< 0.2	0.43	86	140	< 0.5	< 2	0.02	< 0.5	< 1	107	3	0.86	< 10	< 1	0.32	10	0.01	10
494011	205 226	< 5	< 0.2	2.02	40	260	< 0.5	< 2	1.07	0.5	14	83	55	3.00	< 10	< 1	0.52	< 10	0.57	670
494012	205 226	< 5	1.8	1.30	50	50	0.5	< 2	1.72	5.5	8	58	35	3.45	< 10	< 1	0.56	< 10	0.41	605

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

A9427180

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES *Whole Rock R9JGria*

CERTIFICATE

A9427180

(BSJ) - GRANGES INC.

Project: UNUK #134
P.O. #:

Samples submitted to our lab in Vancouver, BC.
Analysis report was printed on 8-NOV-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	245	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	245	Al2O3 %: XRF	XRF	0.01	100.00
906	245	CaO %: XRF	XRF	0.01	100.00
2590	245	Cr2O3 %: XRF	XRF	0.01	100.00
903	245	Fe2O3 %: XRF	XRF	0.01	100.00
908	245	K2O %: XRF	XRF	0.01	100.00
905	245	MgO %: XRF	XRF	0.01	100.00
1989	245	MnO %: XRF	XRF	0.01	100.00
907	245	Na2O %: XRF	XRF	0.01	100.00
909	245	P2O5 %: XRF	XRF	0.01	100.00
901	245	SiO2 %: XRF	XRF	0.01	100.00
904	245	TiO2 %: XRF	XRF	0.01	100.00
910	245	LOI %: XRF	XRF	0.01	100.00
2540	245	Total %	CALCULATION	0.01	105.00
2891	245	Ba ppm: XRF	XRF	2	10000
2067	245	Rb ppm: XRF	XRF	2	10000
2898	245	Sr ppm: XRF	XRF	2	10000
2973	245	Nb ppm: XRF	XRF	2	10000
2978	245	Zr ppm: XRF	XRF	3	10000
2974	245	Y ppm: XRF	XRF	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 1
 Total Pages : 7
 Certificate Date: 08-NOV-94
 Invoice No. : 19427180
 P.O. Number :
 Account : BSJ

Project : UNUK #134
 Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

R9 J Grid (Whole Rock)

CERTIFICATE OF ANALYSIS A9427180

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%	ppm	ppm	ppm	ppm	ppm
19401	299 --	11.85	0.34	0.01	8.18	4.07	3.18	0.04	0.19	0.32	65.28	1.08	4.28	98.82	1030	89	31	12	126	28
22760	299 --	12.96	0.36	0.01	7.65	4.05	1.23	0.04	0.17	0.34	66.87	1.00	5.12	99.80	1310	109	23	14	149	43
22761	299 --	20.05	0.66	< 0.01	12.76	3.92	3.16	0.02	0.61	0.53	48.14	2.13	8.41	100.39	2940	96	96	15	177	69
22762	299 --	8.38	0.73	0.01	4.88	1.07	0.21	< 0.01	3.09	0.35	75.55	1.01	3.38	98.66	1130	25	125	9	82	21
22763	299 --	12.90	1.27	< 0.01	4.30	1.67	0.53	0.06	3.70	0.51	70.63	1.60	2.24	99.41	1500	36	159	15	139	33
22764	299 --	16.04	2.72	< 0.01	10.20	0.89	3.38	0.11	3.82	0.57	55.70	1.84	4.86	100.13	1380	19	269	19	165	43
22765	299 --	12.47	0.17	0.01	7.08	11.96	0.15	< 0.01	0.28	0.14	60.31	1.16	4.10	97.83	2180	201	58	14	147	38
22766	299 --	14.21	0.73	< 0.01	6.66	5.32	1.53	0.11	0.21	0.40	66.78	1.24	3.21	100.40	956	145	29	16	147	35
22767	299 --	13.43	0.34	0.01	4.90	9.50	0.37	< 0.01	0.32	0.34	63.61	1.27	4.03	98.12	3280	170	77	19	152	33
22768	299 --	9.04	0.02	0.01	2.46	7.97	0.21	< 0.01	0.29	0.10	74.69	0.91	2.36	98.06	2720	118	53	10	85	17
22769	299 --	17.39	0.04	0.01	3.39	12.10	0.63	< 0.01	0.25	0.19	59.02	1.75	3.75	98.52	3350	222	59	22	211	33
22770	299 --	16.01	1.93	0.01	9.71	1.23	1.87	0.04	5.07	0.58	54.76	1.97	6.47	99.65	1330	28	291	19	167	32
22771	299 --	12.27	0.14	0.01	4.05	1.12	1.03	< 0.01	4.82	0.10	71.67	0.40	2.69	98.30	990	22	240	16	192	7
22772	299 --	11.69	0.02	0.01	2.85	6.42	0.44	< 0.01	0.20	0.07	74.18	0.24	2.61	98.73	3520	116	53	17	247	54
22773	299 --	13.73	2.31	< 0.01	11.37	3.94	2.21	0.17	0.19	0.51	59.87	1.09	4.59	99.98	1340	114	79	10	114	37
22774	299 --	12.09	0.20	0.01	5.42	1.03	0.35	< 0.01	5.67	0.50	67.99	1.53	3.72	98.51	890	24	191	14	139	13
22775	299 --	14.95	4.37	0.04	12.48	0.42	7.16	0.17	2.80	0.17	47.75	1.67	7.44	99.42	253	12	242	8	111	42
22776	299 --	10.55	0.80	0.01	4.50	2.20	0.55	0.02	1.87	0.45	74.38	1.41	2.85	99.59	1650	48	85	14	121	23
22777	299 --	19.13	0.96	< 0.01	7.74	0.65	2.59	0.13	8.54	0.36	54.56	0.72	3.30	98.68	3510	20	633	6	77	23
22778	299 --	12.64	0.65	0.01	5.63	2.98	0.83	< 0.01	3.22	0.48	68.88	1.52	3.21	100.05	1550	61	101	14	137	28
294001	299 --	14.99	9.61	0.05	11.62	0.19	7.72	0.19	3.21	0.14	47.35	1.42	3.38	99.87	1070	6	310	4	92	36
294002	299 --	17.43	2.96	0.07	14.96	0.10	9.25	0.21	2.86	0.17	43.36	2.00	5.93	99.30	2690	2	229	6	103	45
294003	299 --	11.94	0.11	0.01	2.75	2.21	1.21	0.01	2.10	0.06	71.74	0.63	5.65	98.42	1370	60	143	8	130	29
294004	299 --	12.66	0.12	0.01	3.53	2.21	1.19	0.06	1.63	0.07	71.39	0.51	5.43	98.81	1350	56	110	7	128	27
294005	299 --	8.33	0.09	0.01	1.73	1.37	0.77	< 0.01	1.65	0.06	79.87	0.44	4.65	98.97	1170	34	148	8	92	13
294006	299 --	18.63	1.91	< 0.01	9.91	1.68	5.08	0.17	5.53	0.39	51.27	0.88	4.03	99.48	1620	32	521	8	104	25
294007	299 --	17.45	4.91	< 0.01	7.96	2.77	2.55	0.13	1.64	0.36	54.09	0.73	6.94	99.53	1240	66	187	7	77	23
294008	299 --	18.58	0.59	< 0.01	10.43	3.55	1.51	0.16	2.42	0.44	57.09	0.90	4.13	99.80	2240	89	138	7	80	17
294009	299 --	15.49	4.45	< 0.01	6.75	2.43	1.97	0.20	2.48	0.36	58.70	0.60	6.16	99.59	1960	60	221	7	72	28
294010	299 --	18.65	2.35	< 0.01	6.51	2.41	1.94	0.14	4.69	0.35	57.60	0.63	4.27	99.54	1400	63	270	5	77	15
294011	299 --	22.81	1.65	0.01	11.99	4.09	2.52	0.10	3.26	0.54	47.91	1.05	4.55	100.48	2640	110	195	10	90	22
294012	299 --	16.50	0.35	< 0.01	3.99	2.95	0.96	0.08	3.87	0.23	66.88	0.58	2.62	99.01	1030	67	157	12	162	20
294013	299 --	18.70	0.53	< 0.01	7.31	3.06	1.36	0.10	3.46	0.36	60.29	0.69	3.60	99.46	1150	65	131	8	96	15
294014	299 --	16.39	6.50	0.01	8.45	1.45	4.13	0.12	4.14	0.83	52.91	1.22	3.92	100.07	1500	20	1210	25	200	30
294015	299 --	16.33	2.10	< 0.01	5.97	7.81	2.24	0.14	1.98	0.25	56.23	0.67	4.38	98.10	2420	145	966	22	142	21
294016	299 --	16.81	0.78	< 0.01	5.16	3.05	2.49	0.09	6.06	0.19	61.13	0.45	2.55	98.76	2550	50	348	8	113	12
294017	299 --	13.84	2.08	< 0.01	8.17	0.76	3.22	0.14	5.83	0.18	60.00	0.77	3.69	98.68	470	18	138	6	113	24
294018	299 --	15.45	4.06	0.01	9.32	0.71	3.59	0.19	6.70	0.16	51.54	1.07	5.58	98.38	450	13	182	3	105	29
294019	299 --	15.18	0.03	0.01	1.76	13.58	0.15	< 0.01	1.46	0.01	64.01	0.28	1.24	97.71	1270	249	57	24	383	36
294020	299 --	17.80	0.86	0.01	7.38	4.17	2.01	0.03	2.25	0.50	55.64	0.69	8.29	99.63	1390	98	228	9	133	33

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

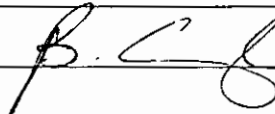
Page Number : 2
 Total Pages : 7
 Certificate Date: 08-NOV-94
 Invoice No. : 19427180
 P.O. Number :
 Account : BSJ

Project : UNUK #134

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS A9427180

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%					
294021	299 --	16.63	4.19	0.02	6.10	6.46	1.93	0.16	2.99	0.37	53.88	0.58	5.72	99.03	1800	140	783	14	103	13
294022	299 --	14.42	4.67	0.08	8.42	2.15	8.04	0.12	3.86	0.30	49.24	0.92	6.90	99.12	1840	41	684	9	118	18
294023	299 --	13.19	5.90	0.01	10.03	5.31	5.11	0.13	0.87	0.78	49.37	0.95	8.22	99.87	1880	125	1340	12	114	17
294024	299 --	12.35	0.08	0.02	1.85	2.41	0.19	< 0.01	6.29	0.03	73.56	0.21	1.28	98.27	356	51	135	21	317	41
294025	299 --	18.20	3.70	0.01	8.23	1.05	3.33	0.23	6.33	0.46	51.66	0.93	4.80	98.93	2500	28	854	10	113	34
294026	299 --	14.60	6.06	0.01	6.34	5.29	2.42	0.16	2.92	0.47	52.18	0.56	7.84	98.85	1230	110	635	12	90	17
294027	299 --	15.47	3.37	0.02	6.84	2.69	2.34	0.16	4.27	0.26	57.80	0.60	5.11	98.93	2150	61	458	7	104	17
294028	299 --	14.49	4.50	0.01	8.93	3.30	4.38	0.11	3.13	0.57	52.47	0.78	6.92	99.59	2040	86	614	11	98	15
294029	299 --	15.06	1.33	0.01	7.46	9.68	0.75	0.24	0.65	0.68	58.98	0.99	3.37	99.20	3120	177	589	26	107	19
294030	299 --	13.55	0.17	< 0.01	1.44	10.94	0.25	< 0.01	1.76	0.03	68.24	0.26	1.22	97.86	965	197	77	18	339	41
294031	299 --	14.07	0.04	0.01	1.26	7.98	0.14	< 0.01	3.92	0.02	69.81	0.25	0.92	98.42	1090	168	66	21	350	42
294032	299 --	17.52	2.24	0.02	7.52	2.20	3.22	0.21	4.27	0.38	55.65	0.88	5.27	99.38	2310	57	373	9	115	27
294033	299 --	19.34	5.62	0.03	7.38	2.99	2.94	0.21	3.63	0.47	50.14	0.95	6.53	100.23	1620	81	535	8	122	31
294034	299 --	17.41	1.48	< 0.01	5.02	8.46	1.29	0.14	4.17	0.14	56.38	0.62	2.98	98.09	2780	134	1580	33	168	16
294035	299 --	16.28	3.94	0.01	9.89	3.61	3.95	0.18	3.53	0.61	50.56	1.06	6.35	99.97	910	69	256	10	105	22
294036	299 --	13.97	0.04	0.01	0.93	12.86	0.15	< 0.01	0.78	0.02	68.84	0.26	1.03	98.89	1530	248	53	19	337	38
294037	299 --	12.54	0.15	0.01	1.28	10.32	0.29	< 0.01	1.49	0.07	70.77	0.25	1.20	98.37	859	205	75	18	301	32
294038	299 --	13.53	0.02	0.02	1.28	10.40	0.09	< 0.01	2.05	0.02	69.30	0.24	1.06	98.01	1040	233	56	20	326	36
294039	299 --	16.24	0.60	0.03	5.77	2.83	1.70	0.11	3.24	0.22	63.61	0.62	4.30	99.27	1170	89	172	14	162	23
294040	299 --	16.61	1.25	< 0.01	6.87	2.49	2.16	0.04	3.77	0.29	60.45	0.63	4.85	99.41	756	67	316	10	106	13
294041	299 --	15.72	0.79	0.01	5.71	2.32	1.64	0.03	4.20	0.24	63.18	0.62	4.24	98.70	719	62	327	9	133	22
294042	299 --	15.88	3.78	0.01	6.17	3.92	2.89	0.11	3.65	0.30	55.83	0.69	5.30	98.53	1500	88	517	6	121	21
294043	299 --	15.69	3.59	0.02	9.25	5.18	3.95	0.20	3.85	0.54	52.60	0.80	3.34	99.01	2270	106	954	14	98	20
294044	299 --	14.93	4.73	0.01	9.19	4.95	4.32	0.15	1.97	0.58	52.26	0.92	5.93	99.94	1890	103	706	16	107	24
294045	299 --	11.95	0.08	0.01	4.75	2.75	0.49	0.01	2.23	0.17	69.05	0.50	6.59	98.58	1040	76	141	12	159	32
294046	299 --	16.15	0.20	< 0.01	1.69	12.55	0.28	< 0.01	2.16	0.04	62.14	0.33	2.12	97.66	1950	229	125	20	389	42
294047	299 --	13.92	0.03	0.01	1.54	7.79	0.11	< 0.01	3.90	0.03	69.51	0.25	1.14	98.23	1370	147	139	22	352	44
294048	299 --	12.70	0.10	< 0.01	1.73	2.16	0.50	0.02	4.14	0.05	74.46	0.25	2.06	98.17	515	66	50	19	295	37
294049	299 --	17.70	4.13	< 0.01	7.57	2.77	2.91	0.18	3.46	0.40	53.77	0.88	6.07	99.84	1630	78	439	8	102	24
294050	299 --	18.66	5.27	< 0.01	7.28	1.94	2.55	0.20	4.90	0.46	51.95	0.85	5.77	99.83	2070	36	844	9	132	32
294051	299 --	14.87	2.28	0.02	7.04	3.49	2.26	0.14	2.64	0.42	61.52	0.68	4.14	99.50	1990	93	494	9	89	19
294052	299 --	16.67	2.03	0.01	11.33	6.71	2.90	0.13	1.64	0.83	52.51	1.08	3.87	99.71	1720	189	666	14	121	21
294053	299 --	17.12	1.45	< 0.01	7.73	3.82	1.22	0.15	4.65	0.25	55.90	0.63	5.72	98.64	1340	98	488	12	109	19
294054	299 --	15.36	0.10	0.01	1.28	13.68	0.17	< 0.01	0.57	0.04	65.19	0.31	1.52	98.23	1630	213	79	23	394	57
294055	299 --	16.84	0.03	0.01	1.82	12.47	0.17	< 0.01	1.57	0.03	63.71	0.33	1.30	98.28	1120	247	103	26	438	43
294056	299 --	18.55	4.73	< 0.01	9.48	2.86	2.32	0.17	3.23	0.42	49.57	1.02	7.64	99.99	966	71	445	8	111	26
294057	299 --	17.30	3.28	0.01	8.77	1.44	4.60	0.18	4.43	0.63	52.98	1.19	5.45	100.26	1040	41	580	13	157	24
294058	299 --	15.65	3.39	< 0.01	3.81	3.80	1.90	0.11	5.69	0.16	59.60	0.40	3.72	98.23	1430	81	475	7	109	14
294059	299 --	16.39	2.65	< 0.01	6.85	1.84	2.54	0.17	5.58	0.28	58.48	0.60	3.18	98.56	1580	37	469	11	122	20
294060	299 --	15.74	3.37	0.01	6.29	3.44	3.21	0.10	3.28	0.35	57.73	0.66	4.79	98.97	1500	80	539	11	105	19

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 3
 Total Pages : 7
 Certificate Date: 08-NOV-94
 Invoice No. : 19427180
 P.O. Number :
 Account : BSJ

Project : UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS A9427180

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%					
294061	299 --	16.25	3.85	0.01	8.81	6.02	3.36	0.15	2.05	0.51	51.87	1.11	5.58	99.57	1730	146	672	15	137	18
294062	299 --	14.92	3.92	0.01	9.10	2.91	3.63	0.11	2.86	0.57	54.10	0.81	6.54	99.48	1700	93	562	10	114	18
294063	299 --	15.23	0.03	< 0.01	0.61	12.03	0.13	< 0.01	1.74	0.02	67.24	0.29	0.99	98.31	2460	182	80	21	360	39
294064	299 --	14.03	7.37	< 0.01	6.58	4.18	1.52	0.17	0.22	0.25	52.98	0.73	11.18	99.21	774	115	132	10	137	15
294065	299 --	16.01	4.24	0.04	9.09	0.95	6.31	0.23	3.87	0.51	49.92	1.17	7.46	99.80	797	33	389	12	147	27
294066	299 --	16.44	0.51	0.01	4.10	2.87	1.52	0.09	5.57	0.17	65.56	0.43	2.49	99.76	1380	80	361	8	116	15
294067	299 --	15.20	3.47	< 0.01	9.98	0.78	3.51	0.19	5.23	0.23	53.31	1.04	5.91	98.85	469	18	399	5	92	16
294068	299 --	15.84	1.00	< 0.01	8.50	0.86	2.17	0.10	5.81	0.38	59.95	1.05	3.50	99.16	440	25	257	11	191	38
294069	299 --	13.02	0.03	0.01	3.55	4.24	0.83	0.01	2.28	0.02	70.70	0.20	2.95	97.84	1350	111	104	22	328	62
294070	299 --	10.71	0.67	0.01	1.89	1.95	0.60	0.06	3.72	0.02	75.27	0.13	2.46	97.49	437	67	177	15	257	41
294071	299 --	12.12	0.02	0.01	2.38	3.65	0.48	< 0.01	0.16	0.04	75.08	0.27	3.68	97.89	516	82	14	15	266	33
294072	299 --	15.12	4.49	0.01	5.24	2.33	4.37	0.14	2.96	0.24	56.08	0.62	8.07	99.67	689	71	124	9	189	20
294073	299 --	17.28	1.17	< 0.01	4.56	2.90	0.93	0.10	4.86	0.20	63.20	0.59	3.32	99.11	1660	87	518	13	160	20
294074	299 --	16.99	4.00	< 0.01	6.09	2.91	1.99	0.21	5.00	0.32	55.72	0.73	5.33	99.29	1770	79	510	8	113	20
294075	299 --	13.14	0.17	0.01	5.33	4.42	1.43	0.02	0.16	0.27	70.09	0.57	4.11	99.72	1110	116	20	5	87	24
294076	299 --	16.65	5.60	0.01	7.08	2.68	2.88	0.08	3.07	0.33	51.71	0.67	8.48	99.24	841	72	394	6	108	18
294077	299 --	17.29	0.96	0.01	11.36	2.79	2.37	0.11	1.87	0.46	57.63	0.94	3.79	99.58	1610	65	71	9	73	23
394001	299 --	15.74	2.25	0.01	7.52	2.74	3.51	0.12	2.86	0.28	58.46	0.61	5.25	99.35	763	75	177	6	117	24
394002	299 --	3.89	0.03	0.04	6.16	1.98	0.30	< 0.01	0.22	0.03	80.42	0.15	5.45	98.67	707	42	18	7	31	< 2
394003	299 --	18.10	0.34	0.01	4.86	5.71	2.56	0.04	0.15	0.30	61.71	0.79	5.41	99.98	940	143	17	8	114	14
394004	299 --	16.10	0.90	0.01	8.82	3.23	2.30	0.08	2.16	0.72	59.65	1.58	4.38	99.93	1210	75	55	15	137	32
394005	299 --	15.83	3.70	0.01	8.49	1.67	3.18	0.09	4.46	0.58	52.38	1.89	7.22	99.50	1640	36	221	17	158	46
394006	299 --	18.29	0.80	0.02	7.79	1.57	1.67	0.01	5.64	0.64	56.62	1.87	5.10	100.02	1700	31	318	16	180	52
394007	299 --	10.77	12.47	< 0.01	7.59	0.60	3.91	0.31	2.44	0.43	46.05	1.27	13.74	99.58	512	9	369	12	124	33
394008	299 --	12.07	0.15	0.02	3.34	1.78	0.15	< 0.01	4.47	0.33	71.25	1.62	3.29	98.47	1210	40	172	13	137	12
394009	299 --	12.57	0.45	0.01	3.02	2.21	0.28	< 0.01	3.29	0.49	72.34	1.60	2.72	98.98	1510	48	147	13	140	24
394010	299 --	18.79	0.56	< 0.01	6.33	2.37	1.02	< 0.01	4.91	0.71	57.14	2.38	5.30	99.51	2230	44	256	20	197	61
394011	299 --	18.01	0.66	0.01	7.45	2.09	0.75	0.01	4.62	0.46	57.97	1.95	5.41	99.39	1990	43	322	17	179	25
394012	299 --	16.72	4.50	0.01	8.42	1.08	2.19	0.13	4.23	0.53	55.07	1.62	5.95	100.45	1190	22	270	18	150	41
394013	299 --	15.50	1.71	< 0.01	8.71	0.48	2.15	0.06	6.12	0.55	58.12	1.76	4.42	99.58	660	10	274	16	157	26
394014	299 --	13.42	3.70	< 0.01	8.66	1.32	1.16	0.25	2.85	0.48	61.57	1.53	4.78	99.72	1460	24	268	14	139	40
394015	299 --	13.34	0.73	0.02	5.50	0.58	1.44	< 0.01	6.16	0.49	65.70	1.40	3.33	98.69	656	18	278	14	137	27
394016	299 --	16.29	0.10	< 0.01	3.14	3.06	2.00	< 0.01	1.92	0.08	65.39	0.76	5.56	98.30	2040	75	170	9	212	39
394017	299 --	12.98	0.38	0.01	10.59	1.44	3.00	0.02	2.25	0.28	59.81	1.58	6.75	99.09	1240	36	118	13	150	25
394018	299 --	5.76	0.96	0.02	4.83	0.56	0.56	0.02	1.24	0.24	82.62	0.70	1.78	99.29	652	16	76	7	72	15
394019	299 --	8.69	2.02	0.01	5.75	0.87	0.76	0.08	2.64	0.37	73.97	1.08	2.86	99.10	846	21	151	12	100	25
394020	299 --	14.97	3.19	< 0.01	10.60	0.42	2.50	0.15	4.55	0.49	56.34	1.73	4.51	99.45	1380	15	536	19	168	37
394021	299 --	14.73	0.16	0.01	9.69	1.55	1.06	< 0.01	2.12	0.25	58.19	0.55	10.68	98.99	1030	45	91	7	101	75
394022	299 --	10.81	0.08	0.01	1.69	2.00	1.86	< 0.01	0.35	0.03	77.83	0.12	3.72	98.50	1050	63	52	19	142	53
394023	299 --	15.97	2.96	< 0.01	8.52	0.97	2.59	0.15	4.43	0.53	57.00	1.85	4.43	99.40	1480	19	365	18	172	41

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: UNUK #134
 Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

Page Number : 4
 Total Pages : 7
 Certificate Date: 08-NOV-94
 Invoice No. : 19427180
 P.O. Number :
 Account : BSJ

CERTIFICATE OF ANALYSIS A9427180

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%	ppm	ppm	ppm	ppm	ppm
394024	299 --	16.78	3.02	< 0.01	9.22	0.96	2.77	0.12	4.88	0.53	54.70	1.79	4.73	99.50	1450	21	382	18	184	47
394025	299 --	20.15	1.51	< 0.01	7.14	1.75	2.33	0.06	5.59	0.84	55.46	2.37	3.23	100.43	2080	41	201	24	208	59
394026	299 --	16.78	0.53	< 0.01	9.74	1.67	1.55	0.03	4.71	0.41	56.91	1.68	4.96	98.97	1410	31	215	18	156	30
394027	299 --	11.14	0.98	< 0.01	8.82	1.80	1.68	0.08	2.07	0.38	66.65	0.99	4.22	98.81	1250	34	88	12	136	34
394028	299 --	8.78	1.85	0.01	9.12	0.77	1.26	0.16	2.57	0.30	69.60	0.76	3.36	98.54	587	18	139	9	116	29
394029	299 --	18.44	0.25	0.01	4.46	4.45	0.79	< 0.01	1.05	0.08	63.82	0.73	5.40	99.48	2680	99	132	8	162	27
394030	299 --	14.68	9.59	0.04	11.20	0.15	7.61	0.16	2.92	0.16	47.56	1.51	3.76	99.34	238	3	252	6	98	41
394031	299 --	10.34	0.06	0.01	3.00	2.04	1.51	0.03	0.98	0.06	76.70	0.31	3.77	98.81	1250	52	76	5	127	24
394032	299 --	12.53	0.15	< 0.01	4.02	2.54	2.08	0.02	1.24	0.10	71.35	0.47	4.18	98.68	1550	67	91	9	149	30
394033	299 --	18.15	2.08	< 0.01	7.63	3.99	2.56	0.14	1.79	0.31	57.28	0.70	4.28	98.91	2870	97	127	6	73	23
394034	299 --	15.43	1.09	0.01	9.31	1.30	2.37	0.23	4.47	0.18	60.91	0.57	3.09	98.96	996	35	262	6	82	11
394035	299 --	16.62	2.19	0.01	9.68	2.98	1.41	0.19	3.00	0.49	58.77	0.85	3.92	100.11	1940	75	186	11	86	22
394036	299 --	13.83	7.83	0.02	13.56	1.36	3.62	0.32	2.10	0.37	44.59	1.37	10.69	99.66	908	28	155	7	78	22
394037	299 --	23.87	0.53	0.01	6.16	6.34	1.07	0.02	0.44	0.38	56.63	0.80	3.96	100.21	3660	135	41	7	78	24
394038	299 --	14.00	0.61	0.01	3.44	2.71	0.94	0.01	2.89	0.07	66.14	0.72	6.66	98.20	1890	71	261	8	127	20
394039	299 --	10.63	0.34	0.02	5.42	2.08	0.83	< 0.01	1.07	0.33	71.06	0.46	6.83	99.07	1430	63	95	5	106	37
394040	299 --	18.61	5.07	< 0.01	9.08	2.33	3.70	0.29	3.28	0.50	49.47	1.00	6.80	100.13	1250	57	421	9	92	23
394041	299 --	19.36	7.38	0.03	9.15	1.46	3.18	0.22	4.06	0.44	49.90	0.97	4.23	100.38	1840	25	868	8	108	24
394042	299 --	18.60	6.21	< 0.01	5.75	1.77	1.92	0.18	4.24	0.27	56.90	0.78	2.48	99.10	3220	40	1270	13	154	32
394043	299 --	15.87	5.64	< 0.01	10.04	4.55	3.09	0.15	1.88	0.67	49.53	0.91	7.55	99.88	1460	123	444	7	75	13
394044	299 --	16.95	3.30	< 0.01	6.72	1.37	1.15	0.15	7.13	0.70	55.99	0.86	5.26	99.58	510	62	344	16	246	38
394045	299 --	15.91	3.13	0.01	9.79	4.30	3.07	0.19	2.15	0.59	54.60	0.89	5.71	100.34	2590	116	681	12	108	19
394046	299 --	15.47	3.46	< 0.01	3.72	2.70	1.47	0.10	4.72	0.17	61.57	0.39	5.15	98.92	1130	78	388	9	122	17
394047	299 --	15.75	1.17	< 0.01	3.80	3.56	1.54	0.11	5.67	0.15	63.30	0.41	2.63	98.09	1940	87	478	9	117	12
394048	299 --	15.50	1.85	< 0.01	3.60	2.30	0.95	0.10	6.59	0.16	63.44	0.37	3.21	98.07	1020	58	423	9	117	12
394049	299 --	14.32	6.56	< 0.01	8.98	5.99	2.80	0.18	3.01	0.62	47.92	0.82	7.78	98.98	1400	116	800	8	84	17
394050	299 --	13.73	9.31	0.01	8.16	3.66	3.98	0.15	2.88	0.71	46.62	0.83	9.52	99.56	1060	57	673	14	87	18
394051	299 --	15.05	4.81	0.01	9.68	5.08	3.33	0.15	2.36	0.71	51.48	0.91	6.37	99.94	1620	128	536	8	84	17
394052	299 --	13.29	9.59	< 0.01	7.93	4.86	2.77	0.18	2.44	0.61	47.08	0.75	10.18	99.68	1080	126	507	10	74	18
394053	299 --	10.58	0.10	0.01	1.87	3.46	0.21	0.01	3.81	0.04	75.94	0.19	1.33	97.55	1890	63	225	15	242	32
394054	299 --	9.11	0.11	0.01	1.58	1.75	0.21	< 0.01	3.81	0.03	79.59	0.15	1.41	97.76	1100	39	196	17	255	42
394055	299 --	14.62	0.02	< 0.01	1.46	4.69	0.66	0.03	0.18	0.04	73.28	0.30	3.61	98.89	446	143	52	19	341	46
394056	299 --	14.52	4.88	< 0.01	5.84	2.96	2.34	0.14	3.60	0.21	56.54	0.59	6.76	98.38	1030	84	283	9	190	20
394057	299 --	16.88	0.95	0.01	4.42	1.94	1.50	0.14	5.34	0.22	64.50	0.59	2.59	99.08	1060	52	479	14	159	21
394058	299 --	17.70	7.04	< 0.01	7.61	1.54	3.26	0.20	3.81	0.39	52.85	0.95	4.41	99.76	1300	23	547	10	113	26
394059	299 --	17.50	7.10	< 0.01	9.66	2.06	4.97	0.20	3.08	0.37	49.80	1.12	4.04	99.90	1610	42	1160	7	119	27
394060	299 --	16.56	0.44	0.01	7.29	3.59	0.68	0.04	2.44	0.24	59.72	0.68	7.22	98.91	1220	102	142	8	112	44
394061	299 --	15.40	3.74	< 0.01	8.90	6.36	3.18	0.17	2.61	0.65	51.51	0.86	5.72	99.10	1510	125	469	11	77	19
394062	299 --	15.38	5.60	0.01	10.63	5.06	2.94	0.15	2.48	0.71	48.60	0.95	6.97	99.48	1260	141	500	11	77	14
394063	299 --	16.42	2.75	< 0.01	4.59	3.84	0.93	0.09	4.01	0.20	60.83	0.44	5.04	99.14	797	123	229	9	114	17

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Page Number : 5
 Total Pages : 7
 Certificate Date : 08-NOV-94
 Invoice No. : 19427180
 P.O. Number :
 Account : BSJ

Project : UNUK #134

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE OF ANALYSIS

A9427180

SAMPLE	PREP CODE	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
394064	299 --	12.13	0.06	< 0.01	2.21	2.66	0.51	< 0.01	2.91	0.04	74.89	0.20	2.70	98.31	718	71	157	16	263	47
394065	299 --	7.98	0.06	0.01	2.23	2.00	0.36	< 0.01	1.66	0.07	79.00	0.37	4.57	98.31	603	55	114	10	109	19
394066	299 --	17.44	3.73	< 0.01	7.92	2.55	3.69	0.20	4.36	0.35	53.75	0.94	3.92	98.85	2290	41	586	8	107	24
394067	299 --	14.66	11.00	< 0.01	6.71	2.37	2.65	0.18	2.83	0.39	48.03	0.75	9.90	99.47	2110	53	494	7	81	18
394068	299 --	15.60	0.95	< 0.01	3.90	3.09	1.90	0.12	5.29	0.17	64.40	0.44	2.95	98.81	2050	87	342	9	120	16
394069	299 --	15.80	0.91	< 0.01	3.82	2.64	1.46	0.13	5.21	0.17	65.30	0.42	2.99	98.85	1010	81	318	6	107	12
394070	299 --	18.39	4.74	0.01	8.46	1.20	4.56	0.17	6.04	0.24	48.04	0.86	6.50	99.21	921	29	766	7	79	16
394071	299 --	14.94	5.23	< 0.01	9.27	5.42	3.27	0.15	3.03	0.63	49.56	0.84	7.10	99.44	1240	106	497	9	78	16
394072	299 --	11.37	0.14	0.01	2.52	2.93	0.51	< 0.01	3.61	0.04	73.94	0.31	2.39	97.77	676	71	227	15	247	35
394073	299 --	13.19	0.13	< 0.01	2.34	4.98	0.64	< 0.01	2.85	0.03	71.51	0.23	2.33	98.23	1600	109	191	18	301	45
394074	299 --	15.82	0.10	< 0.01	3.16	3.63	0.65	0.02	4.55	0.09	67.63	0.45	2.73	98.83	1660	95	235	19	332	51
394075	299 --	12.09	0.01	< 0.01	3.08	3.62	0.53	0.03	0.14	0.06	75.78	0.25	3.57	99.16	441	90	159	17	269	33
394076	299 --	15.61	3.04	0.01	5.14	2.53	1.73	0.09	4.28	0.23	59.97	0.62	5.72	98.97	764	71	361	11	198	18
394077	299 --	15.64	3.31	< 0.01	3.88	2.82	2.24	0.09	4.21	0.22	59.74	0.63	5.61	98.39	617	89	272	12	198	20
394078	299 --	16.34	6.04	< 0.01	9.05	0.95	3.17	0.21	5.50	0.38	49.96	1.04	6.56	99.20	2380	20	560	7	107	25
394079	299 --	18.34	5.57	< 0.01	8.38	1.64	3.30	0.19	4.51	0.40	52.18	1.02	4.16	99.69	1790	29	893	11	136	25
394080	299 --	16.88	2.55	< 0.01	5.51	2.98	1.79	0.17	4.57	0.21	60.68	0.51	3.39	99.24	2110	79	590	9	117	17
394081	299 --	17.74	1.65	< 0.01	7.16	4.67	3.49	0.11	2.78	0.34	55.79	0.74	4.77	99.24	2480	107	488	9	111	17
394082	299 --	17.40	2.35	< 0.01	6.65	2.14	2.25	0.12	6.34	0.25	57.05	0.55	3.45	98.55	2310	49	520	7	111	17
394083	299 --	17.04	1.86	< 0.01	6.95	2.65	2.37	0.15	5.88	0.30	57.76	0.59	2.94	98.49	2160	47	398	9	87	19
394084	299 --	17.75	1.13	0.01	9.64	4.99	3.94	0.17	1.43	0.50	55.07	0.91	4.86	100.40	1820	145	371	11	106	21
394085	299 --	18.34	0.68	0.01	10.18	5.34	3.26	0.17	1.19	0.49	54.01	1.01	5.77	100.45	1690	166	286	11	114	25
394086	299 --	16.48	7.24	0.03	7.14	3.32	3.98	0.13	2.41	0.21	46.04	1.06	11.69	99.73	582	105	218	4	93	26
394087	299 --	15.60	0.47	< 0.01	1.83	4.73	1.05	0.04	0.95	0.04	69.26	0.33	4.10	98.40	1450	118	117	23	370	50
394088	299 --	12.71	1.96	< 0.01	1.94	3.90	1.76	0.07	0.16	0.05	69.83	0.27	6.14	98.79	695	90	53	16	285	37
394089	299 --	16.48	2.06	0.02	10.33	1.08	4.73	0.13	4.21	0.47	52.18	1.31	6.97	99.97	359	34	148	9	103	24
394090	299 --	16.29	1.85	0.01	6.90	3.80	2.04	0.06	0.99	0.38	60.98	0.71	6.29	100.30	956	120	160	7	114	23
394091	299 --	13.06	3.23	< 0.01	7.88	2.78	2.48	0.11	1.53	0.31	60.25	0.68	6.94	99.25	943	93	275	8	91	18
394092	299 --	16.16	6.33	< 0.01	5.76	4.13	1.83	0.17	2.08	0.28	51.69	0.77	10.26	99.46	1400	152	274	8	122	25
394093	299 --	15.79	6.11	0.01	5.94	4.60	2.22	0.10	0.67	0.32	51.59	0.68	11.46	99.49	804	124	270	9	116	22
394094	299 --	16.29	1.36	< 0.01	4.28	3.49	1.66	0.10	5.29	0.16	61.77	0.43	3.62	98.45	1290	94	329	9	110	14
394095	299 --	15.65	1.06	< 0.01	3.94	2.68	1.45	0.10	6.05	0.16	64.51	0.39	2.51	98.50	1420	69	320	8	112	14
394096	299 --	12.97	6.22	0.02	8.88	3.88	7.19	0.14	1.51	0.64	47.43	0.70	10.35	99.93	2820	76	938	8	87	11
394097	299 --	10.30	13.39	0.01	8.17	2.10	4.12	0.19	2.52	0.47	40.56	0.56	17.99	100.38	293	57	329	7	62	14
394098	299 --	13.64	0.08	< 0.01	2.30	3.62	0.69	< 0.01	2.69	0.04	72.48	0.24	2.82	98.60	1090	100	124	18	307	46
394099	299 --	9.38	0.04	< 0.01	0.65	3.01	0.61	< 0.01	0.13	0.04	81.47	0.24	2.50	98.07	390	88	12	12	199	27
394100	299 --	16.25	4.21	< 0.01	4.79	4.69	1.51	0.08	0.93	0.23	57.61	0.67	8.50	99.47	534	170	87	11	200	20
394101	299 --	17.72	4.65	< 0.01	5.70	2.77	1.82	0.18	4.21	0.30	55.77	0.72	6.00	99.84	1080	68	430	10	133	28
394102	299 --	17.33	6.38	0.01	10.30	2.17	4.23	0.19	3.58	0.39	49.02	1.23	5.74	100.57	1670	49	623	8	108	26
394103	299 --	17.27	2.34	< 0.01	4.88	2.79	1.78	0.13	4.63	0.22	60.15	0.60	3.88	98.67	1330	67	405	12	153	22

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
 VANCOUVER, BC
 V6C 3E8

Project: UNUK #134
 Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

Page Number :6
 Total Pages :7
 Certificate Date: 08-NOV-94
 Invoice No. :19427180
 P.O. Number :
 Account :BSJ

CERTIFICATE OF ANALYSIS A9427180

SAMPLE	PREP CODE	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
394104	299 --	15.70	1.30	< 0.01	3.86	3.61	1.45	0.10	5.66	0.16	63.38	0.40	2.55	98.17	2080	85	376	9	112	16
394105	299 --	17.01	3.96	< 0.01	4.68	3.58	1.72	0.12	6.53	0.21	55.16	0.43	4.34	97.74	1770	72	573	7	126	18
394106	299 --	16.70	0.92	0.01	6.72	4.19	3.25	0.10	3.87	0.35	58.04	0.68	4.15	98.98	2450	84	375	10	111	15
394107	299 --	9.93	1.32	0.01	6.53	2.67	2.05	0.08	0.39	0.04	69.21	0.58	6.88	99.69	365	101	55	8	120	12
394108	299 --	13.06	0.08	< 0.01	2.67	2.66	0.52	< 0.01	3.70	0.07	72.46	0.34	2.67	98.23	904	74	197	15	274	39
394109	299 --	11.24	0.01	0.01	1.78	9.52	0.14	< 0.01	0.29	0.02	73.31	0.21	1.56	98.09	1640	172	39	18	286	36
394110	299 --	15.54	3.56	< 0.01	4.84	2.50	3.51	0.10	3.50	0.23	57.36	0.61	7.22	98.97	822	70	162	13	189	19
394111	299 --	15.34	3.30	0.01	4.98	2.04	2.87	0.09	4.38	0.23	59.18	0.60	5.81	98.83	1260	58	310	8	187	20
394112	299 --	11.89	0.58	0.01	5.69	6.88	0.49	0.04	1.39	0.23	67.50	0.44	3.39	98.53	2660	167	137	9	72	13
394113	299 --	17.36	5.29	< 0.01	6.14	2.33	2.03	0.16	3.74	0.26	56.65	0.72	5.59	100.27	1510	56	437	10	130	24
394114	299 --	16.08	0.93	0.01	4.06	3.55	1.35	0.08	4.46	0.16	65.28	0.43	2.48	98.87	1600	103	368	7	111	13
394115	299 --	16.26	0.79	< 0.01	4.30	3.20	1.50	0.10	5.94	0.16	63.29	0.42	2.46	98.42	2040	83	361	9	109	16
394116	299 --	16.01	3.59	0.01	8.44	0.75	2.70	0.16	6.51	0.24	53.22	1.03	6.32	98.98	315	19	248	7	132	21
394117	299 --	12.20	5.84	0.01	6.03	0.69	1.96	0.18	4.78	0.12	59.09	0.73	6.80	98.43	177	17	207	5	106	24
394118	299 --	14.12	1.89	0.01	5.57	1.64	1.77	0.10	4.63	0.13	64.03	0.59	4.02	98.50	391	45	198	8	105	13
394119	299 --	13.62	0.59	0.01	2.66	3.41	1.12	0.03	2.69	0.08	70.92	0.33	3.78	99.24	1130	102	175	19	219	40
394120	299 --	13.56	0.16	< 0.01	2.82	2.91	1.01	0.01	4.02	0.06	69.87	0.29	3.27	97.98	1020	87	221	24	227	29
394121	299 --	11.09	0.01	0.01	1.21	9.23	0.16	< 0.01	0.32	0.03	73.76	0.20	1.64	97.66	2160	154	76	16	260	37
394122	299 --	16.17	0.02	0.02	3.13	10.55	0.35	< 0.01	0.33	0.02	61.97	0.77	5.53	98.86	1730	189	67	6	96	26
394123	299 --	15.61	0.04	0.01	4.71	4.56	0.76	< 0.01	1.16	0.13	65.54	0.61	6.15	99.28	893	108	40	11	194	43
394124	299 --	15.24	0.80	0.01	8.13	6.74	0.98	0.34	1.06	0.36	60.54	0.73	5.16	100.09	1710	194	92	8	86	19
394125	299 --	18.45	3.72	< 0.01	7.36	1.18	2.44	0.16	6.14	0.39	53.57	0.87	5.63	99.91	693	28	568	9	132	28
394126	299 --	17.13	5.58	< 0.01	8.98	1.52	3.84	0.20	4.15	0.41	50.45	1.08	6.91	100.25	2000	43	527	11	108	25
394127	299 --	18.79	4.37	< 0.01	8.08	1.96	2.75	0.22	4.82	0.48	51.84	0.94	5.92	100.17	1360	42	677	9	117	27
394128	299 --	17.25	5.02	< 0.01	9.60	1.02	3.75	0.18	4.80	0.40	50.58	1.02	6.22	99.84	1090	27	556	7	115	25
394129	299 --	15.29	5.72	< 0.01	6.78	1.96	2.31	0.13	3.75	0.29	54.00	0.79	9.08	100.10	1260	46	314	7	111	19
394130	299 --	15.17	9.90	< 0.01	8.24	1.84	3.83	0.21	2.03	0.34	40.73	0.95	17.41	100.65	745	41	284	8	90	22
394131	299 --	18.26	7.98	< 0.01	8.77	0.73	3.42	0.20	4.85	0.56	48.85	0.98	5.79	100.39	1070	20	1080	9	109	20
494001	299 --	13.81	0.84	< 0.01	5.39	1.61	0.88	0.02	3.94	0.53	67.13	1.71	3.48	99.34	1450	30	191	16	141	35
494002	299 --	15.23	0.25	0.01	9.06	1.81	3.29	0.02	2.41	0.15	59.82	0.95	5.85	98.85	1600	39	158	19	213	21
494003	299 --	9.57	0.25	0.01	4.20	1.05	1.34	0.03	2.47	0.09	75.14	0.42	3.96	98.53	545	27	137	6	85	17
494004	299 --	14.25	1.43	< 0.01	8.81	0.31	3.33	0.11	6.39	0.21	59.51	1.01	3.83	99.19	426	7	72	7	102	23
494005	299 --	12.60	11.07	0.02	7.29	3.19	3.12	0.23	0.89	0.25	45.59	0.68	14.82	99.75	1010	96	423	7	98	18
494006	299 --	15.96	0.15	0.01	2.00	13.10	0.24	< 0.01	1.18	0.03	63.48	0.30	1.83	98.28	2440	229	58	23	383	49
494007	299 --	13.19	0.13	0.01	1.60	11.28	0.13	< 0.01	1.09	0.03	68.55	0.23	1.57	97.81	2490	202	55	17	314	30
494008	299 --	14.31	6.80	0.01	7.29	5.61	2.28	0.16	2.69	0.45	49.55	0.66	9.57	99.38	1120	123	496	15	120	22
494009	299 --	15.49	0.03	< 0.01	1.80	14.46	0.13	< 0.01	1.01	0.02	63.46	0.29	1.36	98.05	1130	282	54	22	385	49
494010	299 --	13.96	0.04	0.02	1.28	6.17	0.14	< 0.01	4.51	0.02	70.51	0.24	1.16	98.05	1040	147	163	18	346	39
494011	299 --	15.20	1.39	0.02	4.51	3.11	1.28	0.08	3.26	0.19	66.01	0.52	3.88	99.45	726	79	117	7	98	15
494012	299 --	13.16	2.04	0.01	4.86	3.28	1.04	0.07	1.13	0.46	64.97	0.65	7.85	99.52	950	87	163	7	133	41

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Project: UNUK #134

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

Page Number :7
Total Pages :7
Certificate Date: 08-NOV-94
Invoice No. :19427180
P.O. Number :
Account :BSJ

CERTIFICATE OF ANALYSIS

A9427180

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%					
494013	299 --	12.49	0.45	0.01	4.86	2.73	0.58	< 0.01	1.88	0.46	69.08	0.52	6.33	99.39	691	75	139	8	138	24
494014	299 --	13.33	0.92	0.01	5.76	3.51	0.86	0.02	1.07	0.23	64.64	0.53	8.13	99.01	708	94	123	10	164	45
494015	299 --	9.93	8.59	0.02	6.05	2.70	2.64	0.15	0.26	0.17	55.60	0.43	13.21	99.75	314	74	212	6	59	16
494016	299 --	12.36	9.04	0.01	5.29	2.08	1.56	0.16	3.45	0.19	54.23	0.49	10.73	99.59	434	62	340	8	100	20
494017	299 --	16.24	2.28	0.01	6.62	6.44	2.28	0.10	0.34	0.20	58.59	0.76	5.25	99.11	1210	152	85	9	135	18

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

13. 29

A9427181

UNUK (134) Whole Rock

Comments: ATTN: V.P. VAN DAMME CC: WARREN BATES

CERTIFICATE **A9427181**

(BSJ) - GRANGES INC.

Subject: UNUK #134
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-OCT-94.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	16	Pulp; prepped on other workorder
288	16	NAA encapsulation/irradiation

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
135	16	Ce ppm: Trace rock, soil	NAA	0.5	10000
140	16	Dy ppm: Trace rock, soil	NAA	1	500
98	16	Er ppm: Trace rock, soil	NAA	20	500
137	16	Eu ppm: Trace rock, soil	NAA	0.05	100.00
199	16	Gd ppm: Trace rock, soil	NAA	50	500
195	16	Ho ppm: Trace rock, soil	NAA	1	1000
110	16	La ppm: Trace rock, soil	NAA	0.5	10000
136	16	Lu ppm: Trace rock, soil	NAA	0.05	500.0
128	16	Nd ppm: Trace rock, soil	NAA	1	1000
94	16	Pr ppm: Trace rock, soil	NAA	5	1000
134	16	Sm ppm: Trace rock, soil	NAA	0.05	500.0
141	16	Tb ppm: Trace rock, soil	NAA	0.05	100.00
150	16	Th ppm: Trace rock, soil	NAA	1	10000
538	16	Tm ppm: Trace rock, soil	NAA	1	500
131	16	U ppm: Gamma counting	NAA	0.5	10000
138	16	Yb ppm: Trace rock, soil	NAA	0.05	1000.0



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: GRANGES INC.

2230 - 885 W. GEORGIA ST.
VANCOUVER, BC
V6C 3E8

Page Number : 1
Total Pages : 1
Certificate Date: 17-OCT-94
Invoice No. : 19427181
P.O. Number :
Account : BSJ

Project : UNUK #134

Whole Rock REE

Comments : ATTN: V.P. VAN DAMME CC: WARREN BATES

R-GRID

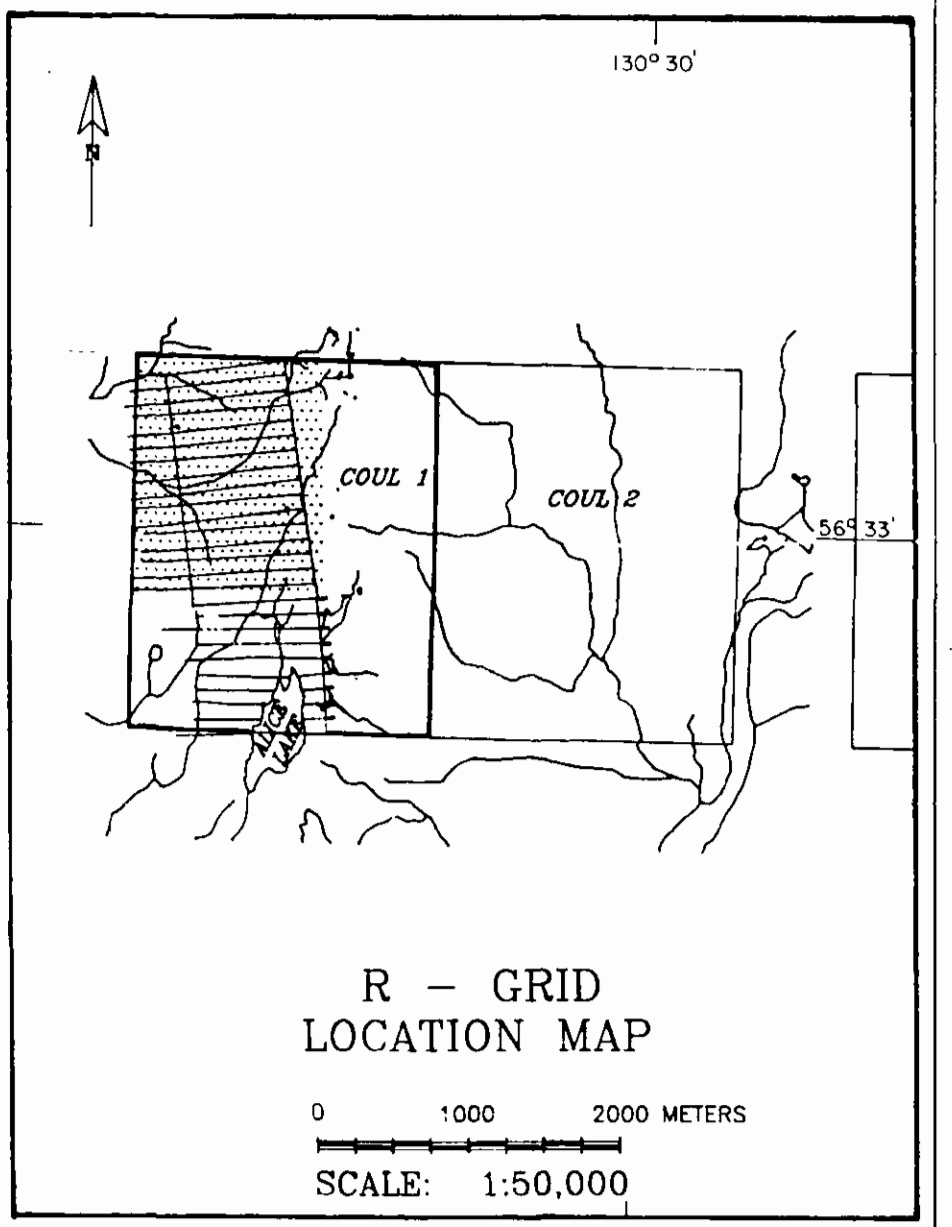
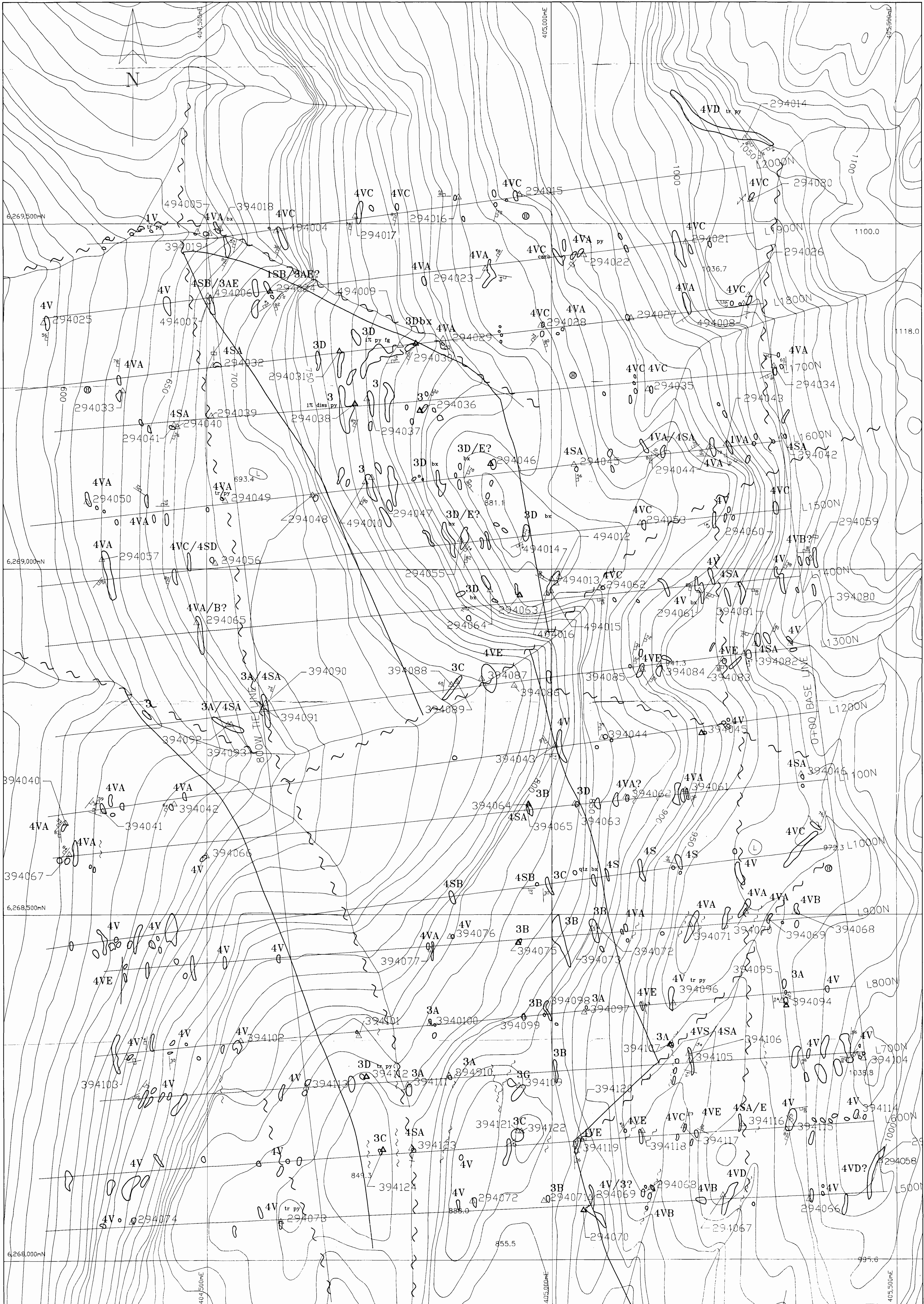
CERTIFICATE OF ANALYSIS

A9427181

SAMPLE	PREP		Ce	NAA Dy	Er	NAA Eu	Gd	NAA Ho	La	NAA Lu	Nd	NAA Pr	Sm	NAA Tb	Th	NAA Tm	U	NAA Yb	NAA
	CODE		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
294019	299	288	68.0	5	< 20	0.50	< 50	< 1	32.0	0.70	15	< 5	4.20	0.80	13	2	9.0	5.40	
294024	299	288	60.0	4	< 20	1.50	< 50	< 1	30.0	0.60	5	< 5	5.40	1.10	12	1	4.0	5.00	
294030	299	288	72.0	5	< 20	0.50	< 50	< 1	31.0	0.70	15	< 5	5.10	0.20	13	1	9.0	5.10	
294031	299	288	62.0	5	< 20	1.00	< 50	< 1	31.0	0.80	10	< 5	5.40	0.60	13	3	6.0	5.30	
294036	299	288	64.0	6	< 20	0.50	< 50	< 1	26.0	0.80	15	< 5	4.20	0.80	13	1	7.0	5.10	
294038	299	288	72.0	3	< 20	0.50	< 50	< 1	32.0	0.70	15	< 5	5.20	0.50	13	3	5.0	4.60	
294046	299	288	94.0	5	< 20	0.50	< 50	< 1	38.0	0.80	15	< 5	5.60	0.70	16	2	8.0	5.70	
294063	299	288	70.0	2	< 20	1.00	< 50	< 1	33.0	0.80	15	< 5	4.30	1.30	15	2	5.0	5.00	
294070	299	288	54.0	4	< 20	1.50	< 50	< 1	25.0	0.60	10	< 5	5.60	0.50	9	2	4.0	4.30	
294045	299	288	34.0	3	< 20	1.00	< 50	< 1	12.0	0.30	10	< 5	3.50	0.60	3	2	1.0	2.00	
294064	299	288	60.0	6	< 20	0.50	< 50	< 1	30.0	0.90	25	< 5	5.60	0.90	9	3	4.0	4.90	
294075	299	288	60.0	3	< 20	0.50	< 50	< 1	30.0	0.70	25	< 5	4.90	0.60	10	2	4.0	4.00	
294094	299	288	36.0	3	< 20	0.50	< 50	< 1	18.0	0.30	10	< 5	2.80	0.40	5	1	2.0	1.30	
294107	299	288	36.0	2	< 20	0.50	< 50	< 1	13.0	0.30	10	< 5	3.20	0.40	1	1	< 1.0	1.80	
294112	299	288	36.0	< 1	< 20	1.00	< 50	< 1	13.0	0.20	10	< 5	2.50	0.40	3	2	3.0	1.00	
294124	299	288	48.0	3	< 20	1.00	< 50	< 1	19.0	0.30	15	< 5	4.00	0.90	4	2	1.0	1.60	

134 WR

Alicia Alexandra
CERTIFICATION



LEGEND

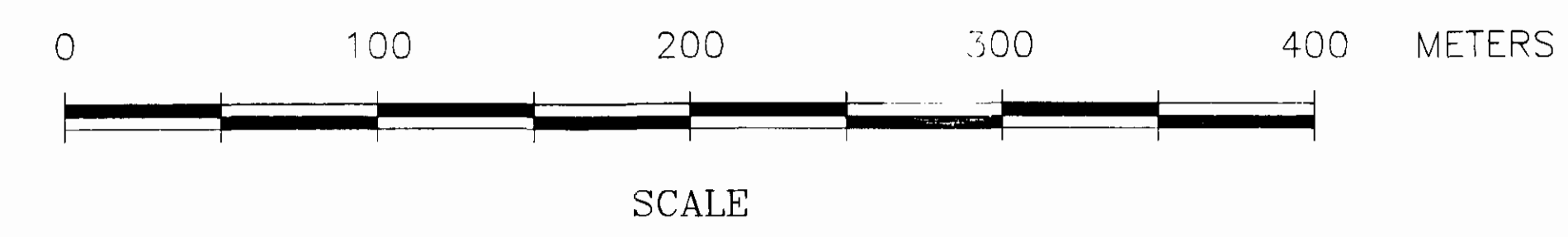
4V	MAFIC VOLCANICS UNDIFFERENTIATED	4S	SEDIMENTS UNDIFFERENTIATED
4VA	MASSIVE FLOW	4SA	ARGILLITE
4VB	PILLOW FLOW	4SB	SILTSTONE
4VC	DEBRIS FLOW	4SC	SANDSTONE
4VD	COLUMNAR SILL	4SD	DEBRIS FLOW
4VE	TUFF		
4VF	HYALOCLASTITE		
3	RHYOLITE (UPPER FELSIC) UNIT UNDIFFERENTIATED		
3A	ASH TUFF		
3B	LAPILLI TUFF		
3C	TUFF BRECCIA		
3D	MASSIVE		
3E	FLOW BANDED		
2	LOWER FELSIC UNIT UNDIFFERENTIATED		
1V	ANDESITE UNDIFFERENTIATED	1S	SEDIMENTS UNDIFFERENTIATED
1VA	ASH TUFF	1SA	ARGILLITE
1VB	LAPILLI TUFF	1SB	SILTSTONE
1VC	TUFF BRECCIA	1SC	SANDSTONE
		1SD	CONGLOMERATE

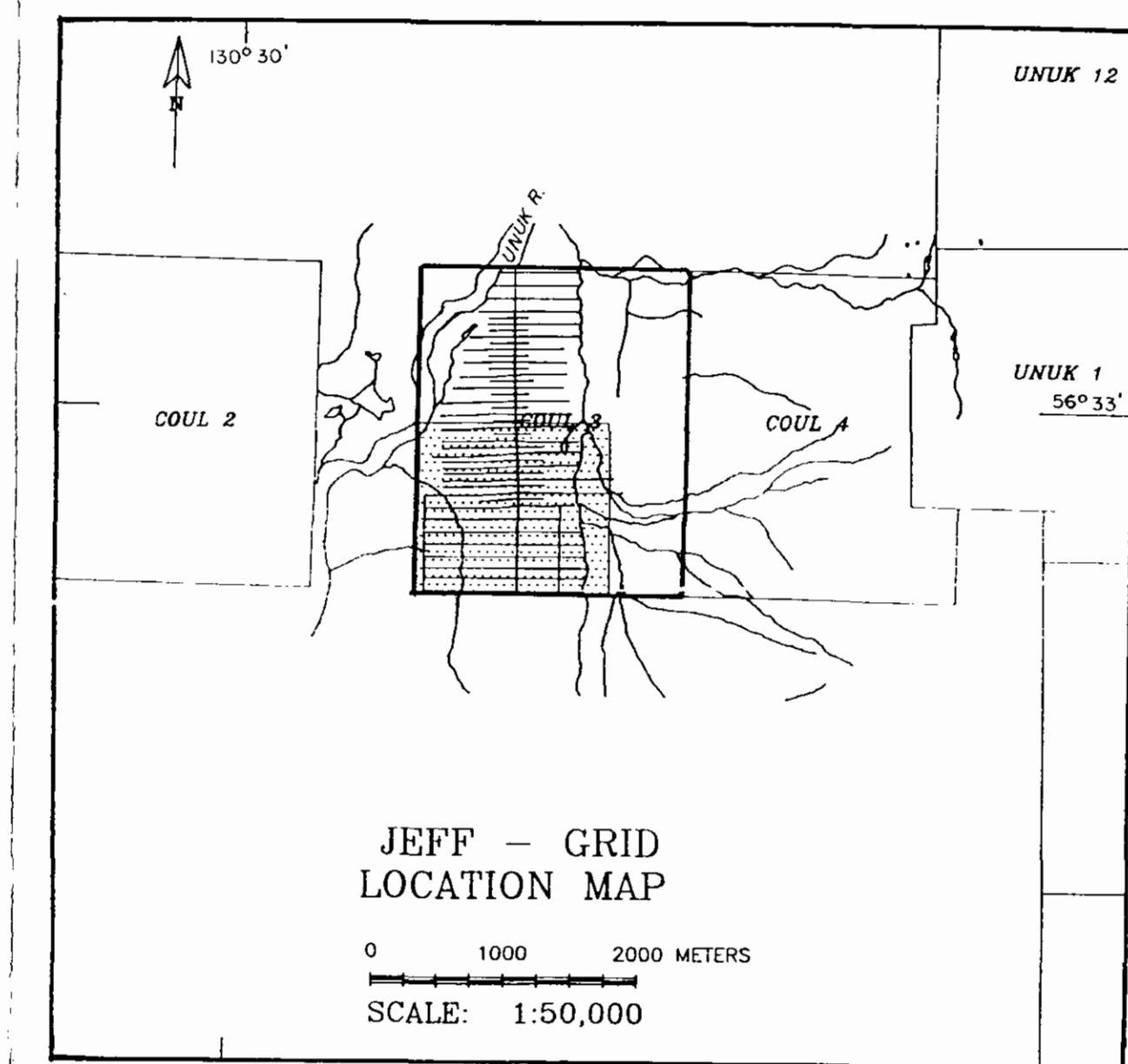
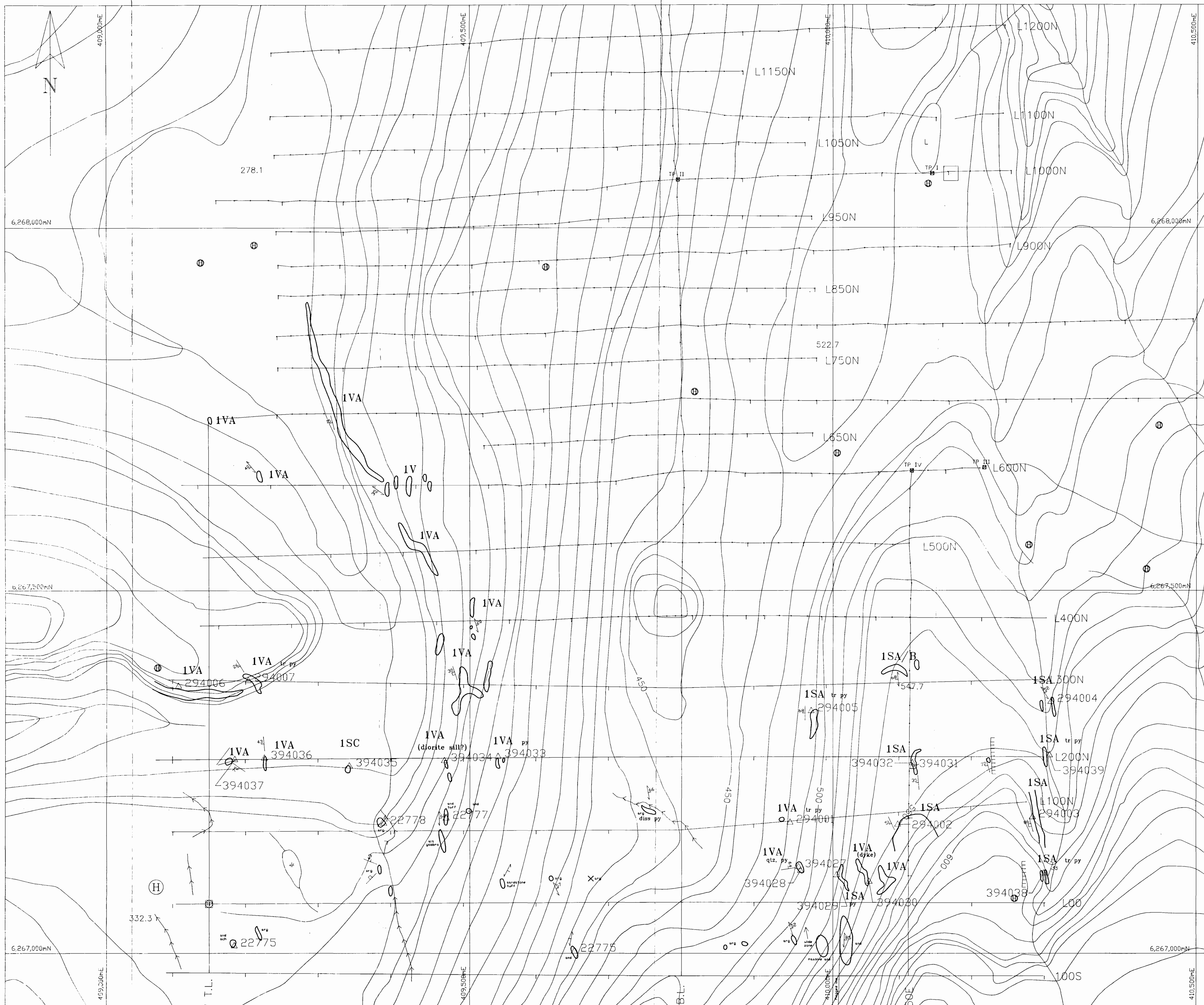
SYMBOLS

	OUTCROP
	BEDDING, TOPS KNOWN (HORIZONTAL, INCLINED, VERTICAL)
	BEDDING, TOPS UNKNOWN (INCLINED, VERTICAL, DIP UNKNOWN)
	FOLIATION (HORIZONTAL, INCLINED, VERTICAL, DIP UNKNOWN)
	OBSERVED FAULT
	INTERPRETED FAULT
	GEOLOGICAL BOUNDARY (INTERPRETED)
	ROCK SAMPLE LOCATION, SAMPLE NUMBER
	HELICOPTER LANDING AREA

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,910 FIGURE 5





LEGEND

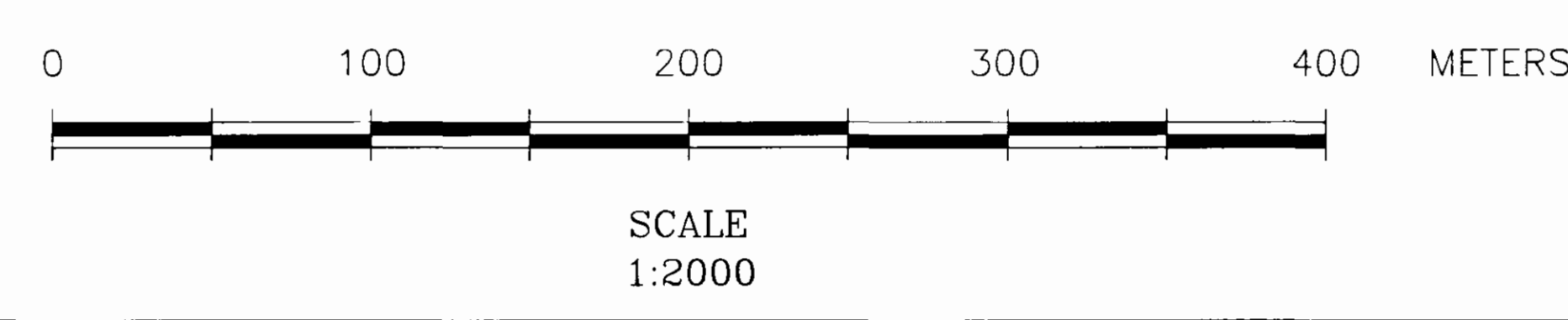
4V	MAFIC VOLCANICS UNDIFFERENTIATED	4S	SEDIMENTS UNDIFFERENTIATED
4VA	MASSIVE FLOW	4SA	ARGILLITE
4VB	FILLO FLOW	4SB	SILTSTONE
4VC	DEBRIS FLOW	4SC	SANDSTONE
4VD	COLUMNAR SILL	4SD	DEBRIS FLOW
4VE	TUFF		
4VF	HYALOCLASTITE		
3	RHYOLITE (UPPER FELSIC) UNIT UNDIFFERENTIATED		
3A	ASH TUFF		
3B	LAPILLI TUFF		
3C	TUFF BRECCIA		
3D	MASSIVE		
3E	FLOW BANDED		
2	LOWER FELSIC UNIT UNDIFFERENTIATED		
1V	ANDSITE UNDIFFERENTIATED	1S	SEDIMENTS UNDIFFERENTIATED
1VA	ASH TUFF	1SA	ARGILLITE
1VB	LAPILLI TUFF	1SB	SILTSTONE
1VC	TUFF BRECCIA	1SC	SANDSTONE
		1SD	CONGLOMERATE

SYMBOLS

	OUTCROP
	BEDDING, TOPS KNOWN (HORIZONTAL, INCLINED, VERTICAL)
	BEDDING, TOPS UNKNOWN (HORIZONTAL, INCLINED, VERTICAL, DIP UNKNOWN)
	FOLIATION (HORIZONTAL, INCLINED, VERTICAL, DIP UNKNOWN)
	OBSERVED FAULT
	INTERPRETED FAULT
	GEOLOGICAL BOUNDARY (INTERPRETED)
	394021 ROCK SAMPLE LOCATION, SAMPLE NUMBER
	HELICOPTER LANDING AREA

GEOLOGICAL BRANCH ASSESSMENT REPORT
23,910

FIGURE 6a

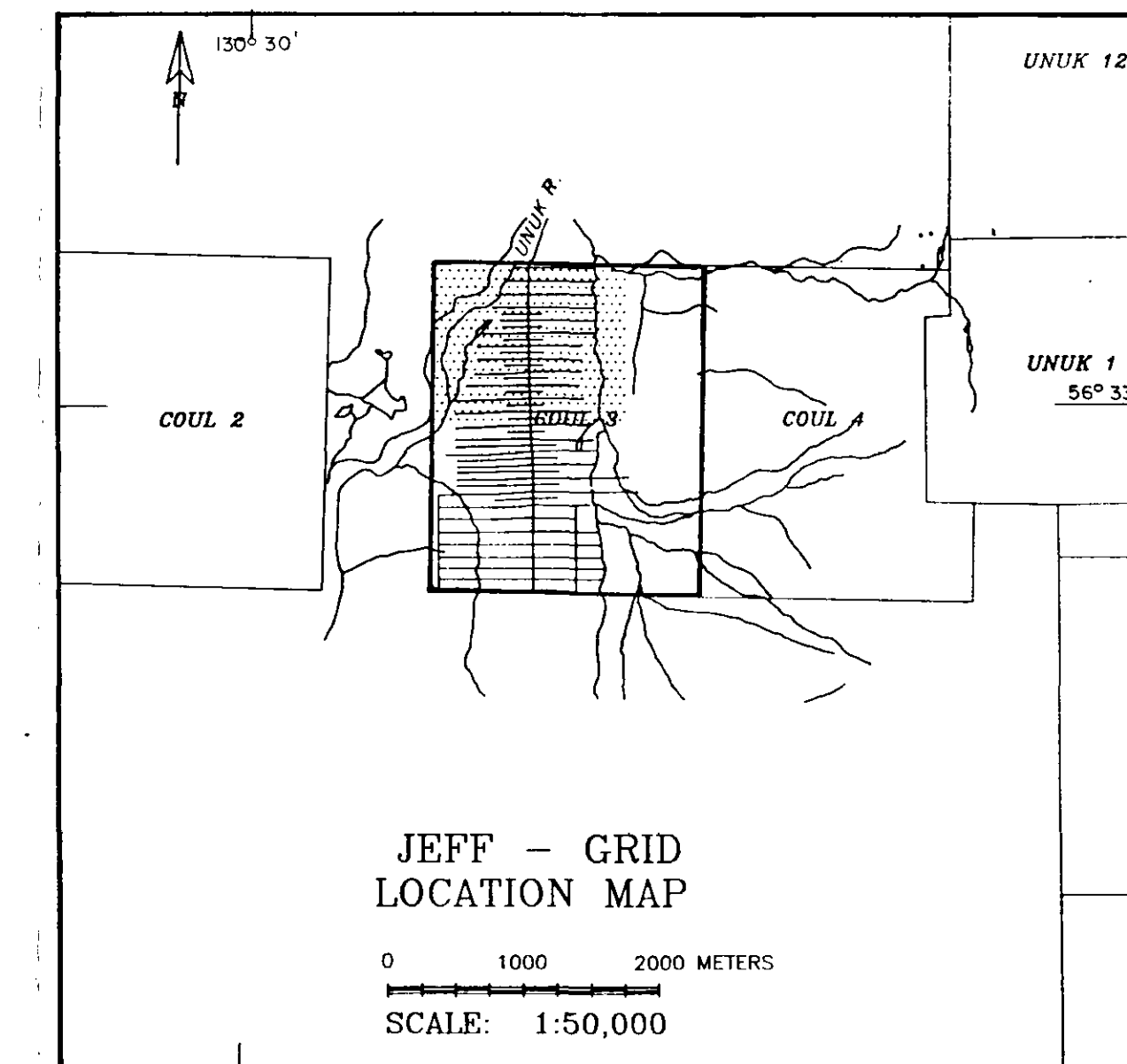
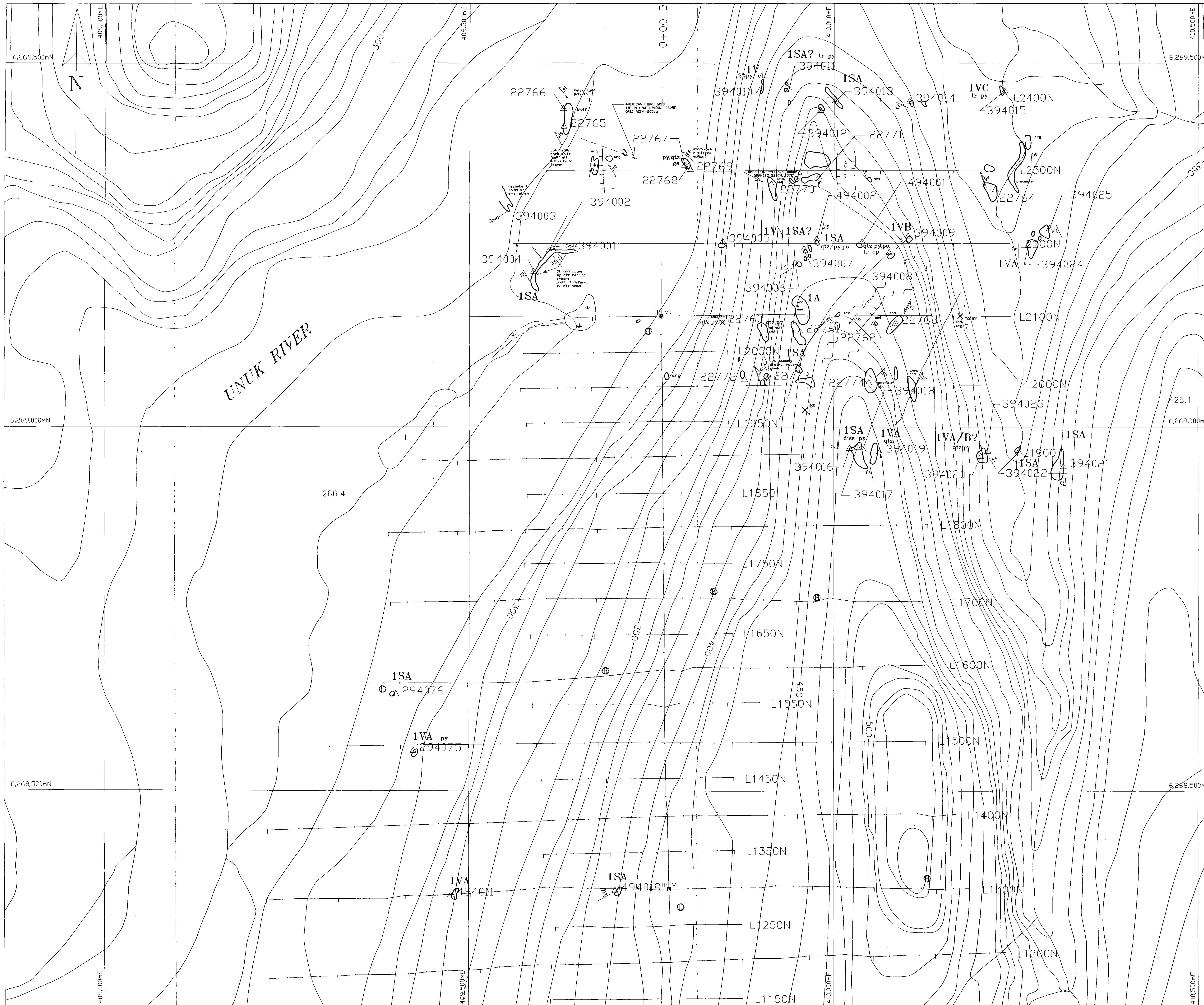


DRAWN BY: CU
 DATE: FEB. 14, 1995
 DRAWING No.

GRANGES INC.
 VANCOUVER, B.C.

GEOLOGY
 1994 MAPPING
 JEFF - GRID - UNUK OPTION
 COUL 3 CLAIM (5213)

SCALE: 1:2000
 PROJECT No.: 134
 NTS No.: 104B/09W

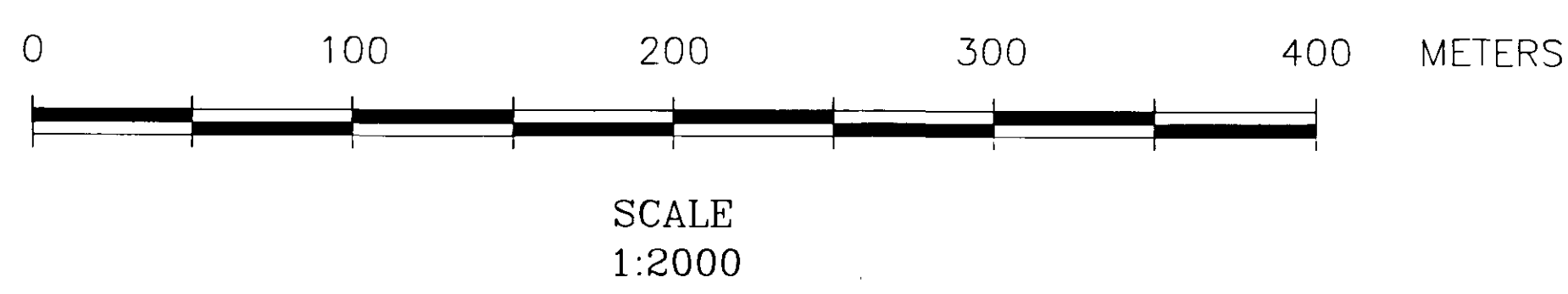


LEGEND

4V	MAFIC VOLCANICS UNDIFFERENTIATED	4S	SEDIMENTS UNDIFFERENTIATED
4VA	MASSIVE FLOW	4SA	ARCILLITE
4VB	PILLOW FLOW	4SB	SILTSTONE
4VC	DEBRIS FLOW	4SC	SANDSTONE
4VD	COLUMNAR SILL	4SD	DEBRIS FLOW
4VE	TUFF		
4VF	HYALOCLASTITE		
3	RHYOLITE (UPPER FELSIC) UNIT UNDIFFERENTIATED		
3A	ASH TUFF		
3B	LAPILLI TUFF		
3C	TUFF BRECCIA		
3D	MASSIVE		
3E	FLOW BANDED		
2	LOWER FELSIC UNIT UNDIFFERENTIATED		
1V	ANDESITE UNDIFFERENTIATED	1S	SEDIMENTS UNDIFFERENTIATED
1VA	ASH TUFF	1SA	ARCILLITE
1VB	LAPILLI TUFF	1SB	SILTSTONE
1VC	TUFF BRECCIA	1SC	SANDSTONE
		1SD	CONGLOMERATE

SYMBOLS

	OUTCROP
	BEDDING, TOPS KNOWN (HORIZONTAL, INCLINED, VERTICAL)
	BEDDING, TOPS UNKNOWN (INCLINED, VERTICAL, DIP UNKNOWN)
	FOLIATION (HORIZONTAL, INCLINED, VERTICAL, DIP UNKNOWN)
	OBSERVED FAULT
	INTERPRETED FAULT
	GEOLOGICAL BOUNDARY (INTERPRETED)
	ROCK SAMPLE LOCATION, SAMPLE NUMBER
	HELICOPTER LANDING AREA



DRAWN BY: CU
 DATE: FEB. 14, 1995
 DRAWING No.



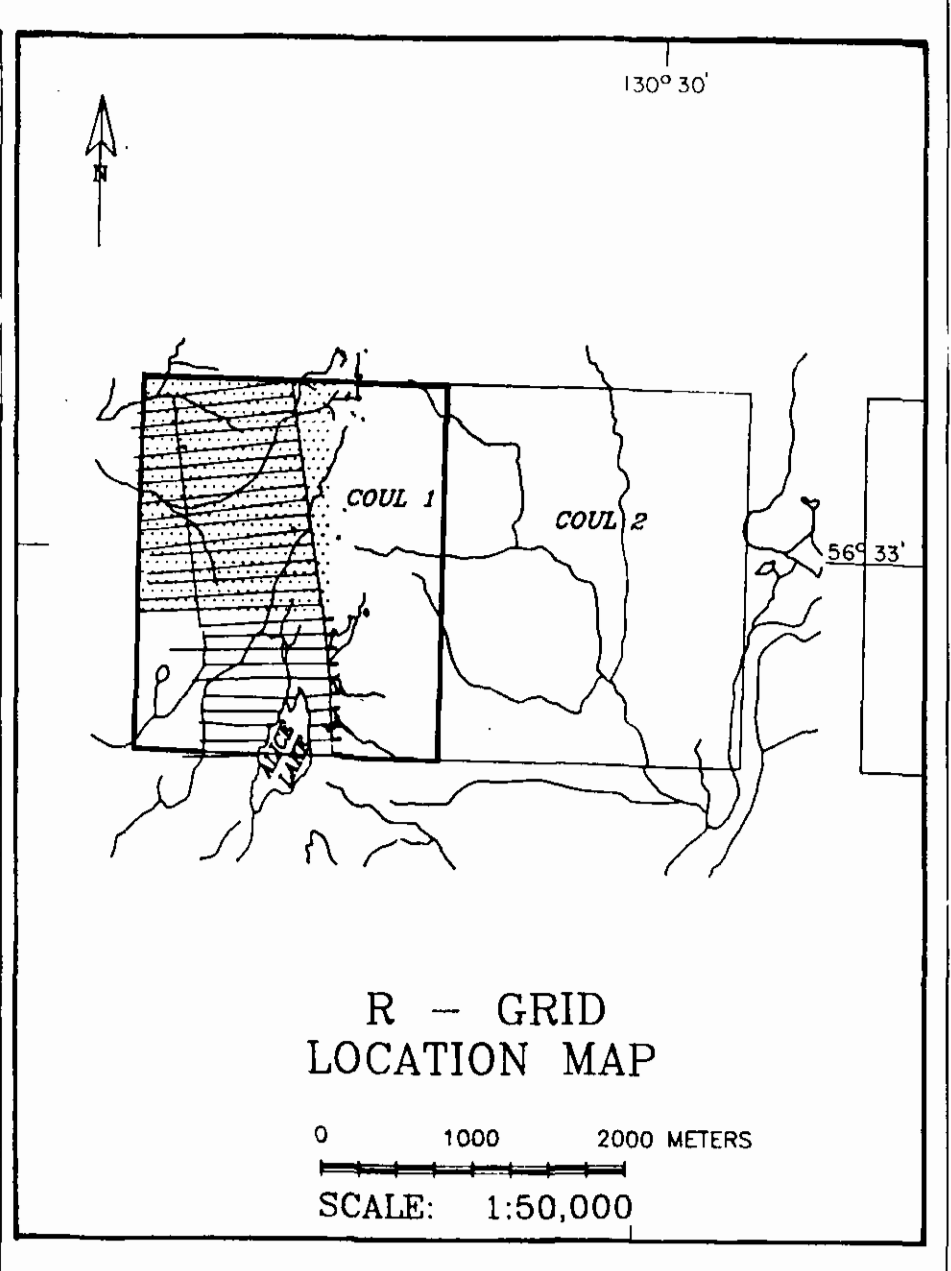
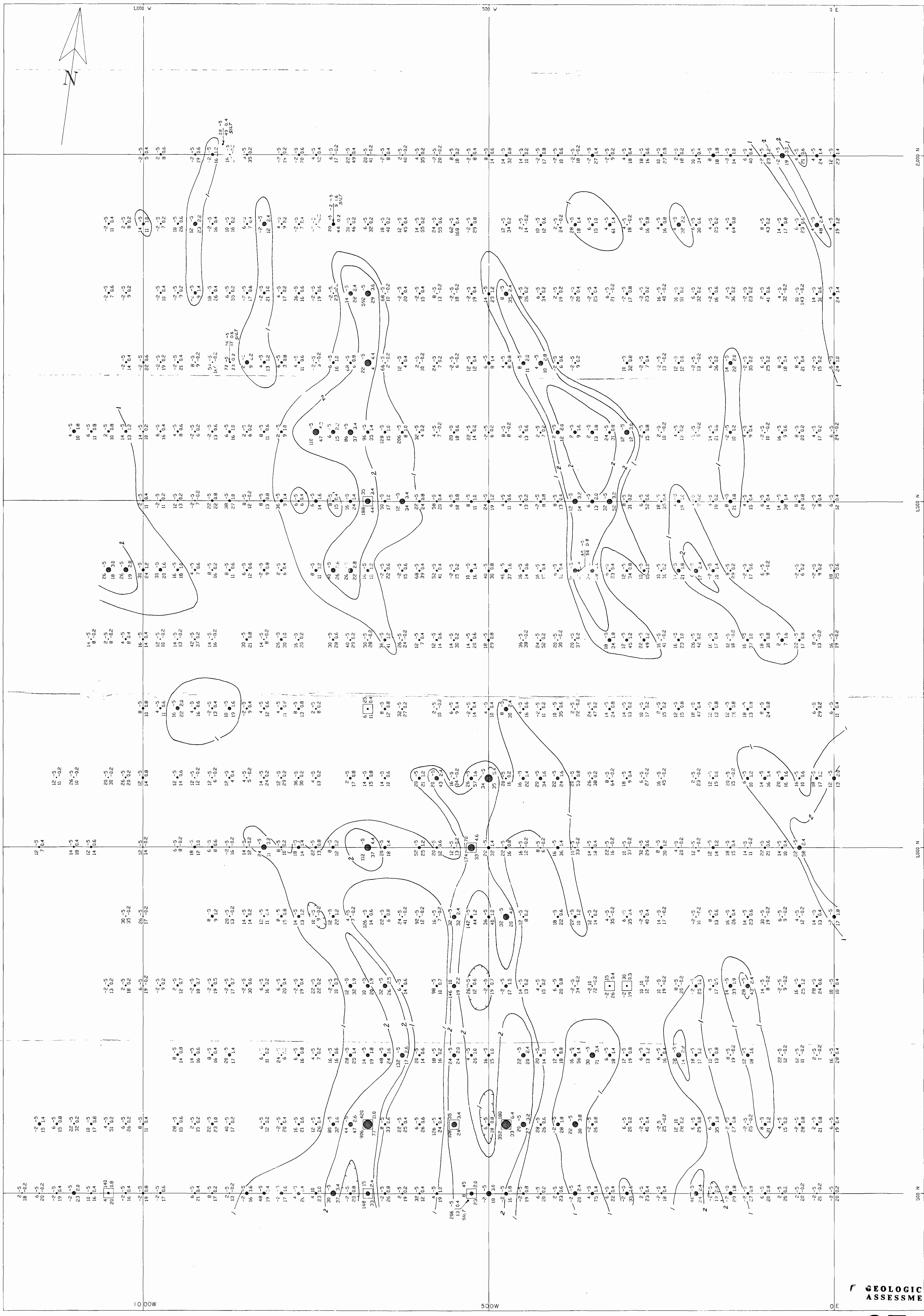
GEOLOGICAL BRANCH ASSESSMENT REPORT

23,910

FIGURE: 6b

GEOLOGY
 1994 MAPPING
 JEFF GRID - UNUK OPTION
 COUL. 3 CLAIM (S219)

SCALE: 1:2000
 PROJECT No.: 134
 NTS No.: 1048/09W



LEGEND:

AS_PPM • AU_PPB
 CU_PPM • AG_PPM

SYMBOLS:

□ GOLD GREATER THAN 4PPB

● ANOMALOUS SILVER (SIZE ANNOTATED)

CONTOURED FOR SILVER 1ppm, 2ppm.

NOTES:

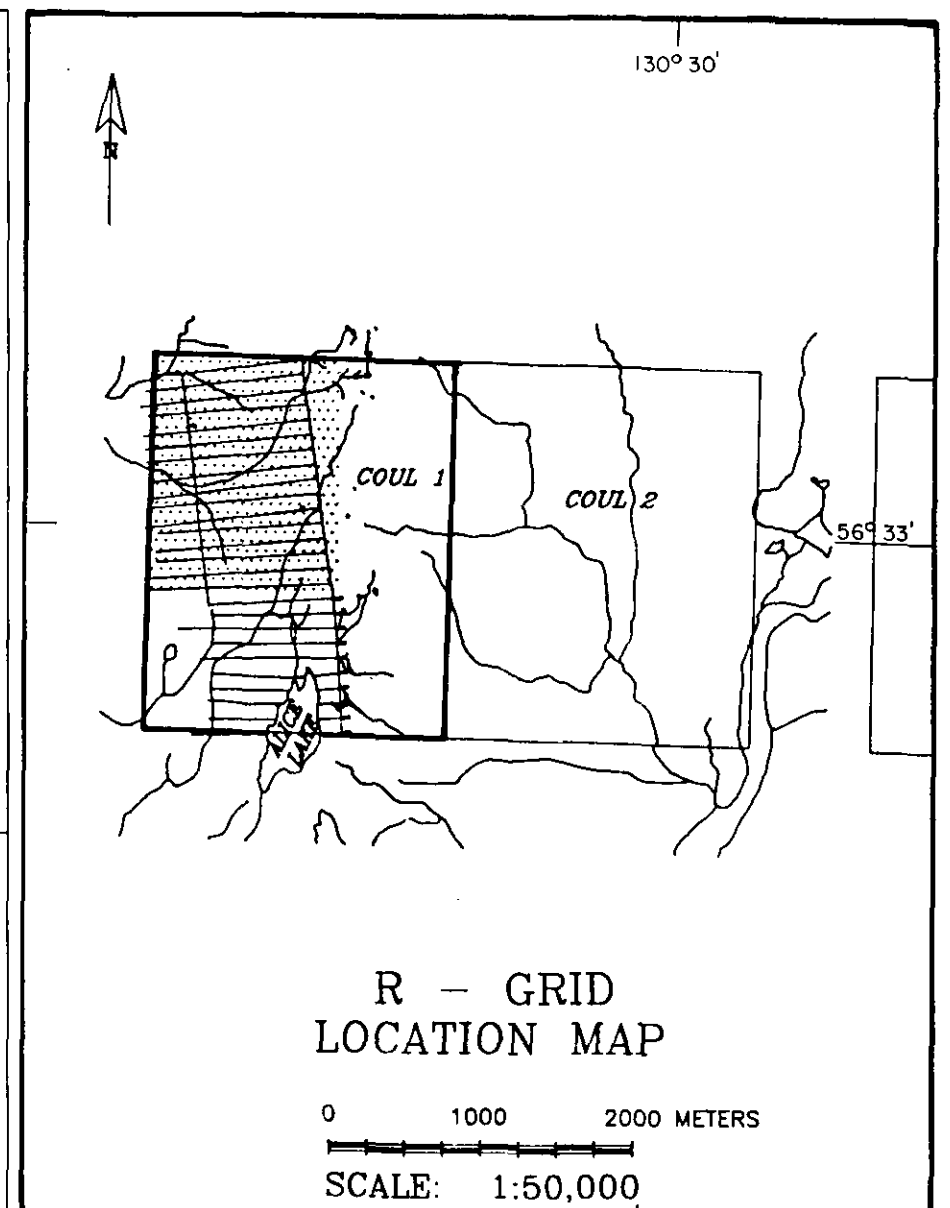
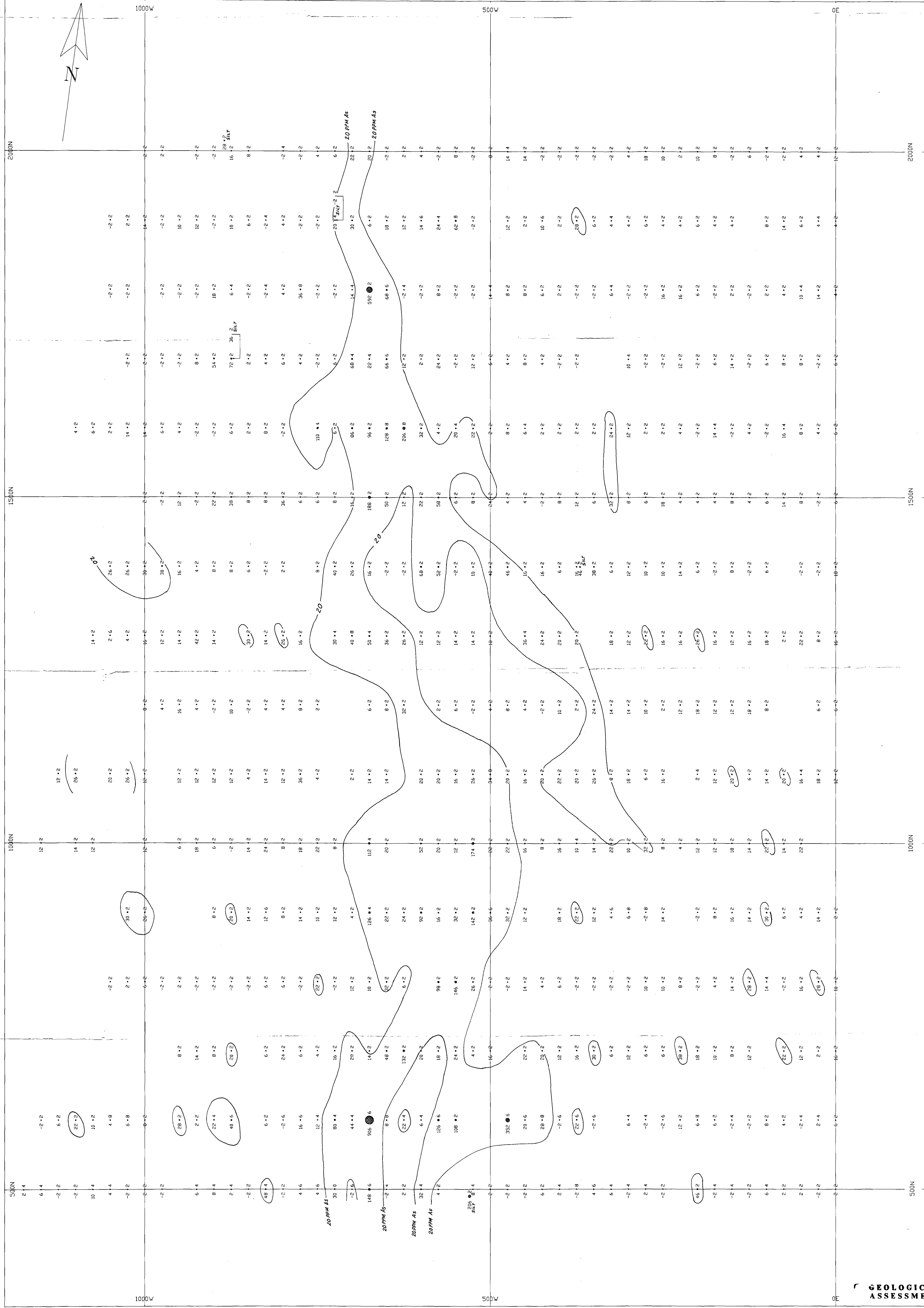
- RESULTS FROM ASSAY CERTIFICATES A9425913, A9425917, A9427159, A9427161, A9427165, A9427172.
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT IDEALIZED GRID

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,910

FIGURE: 7

DRAWN BY: CU		AG, AU, AS, CU	SCALE: 1:2000
DATE: FEB. 2, 1995		R-GRID, UNUK OPTION	PROJECT No.: 134
DRAWING No.		CU, I CLAIM (S21)	NTS No.: 1048/10E



SCALE
1:2000

LEGEND:

- AS_PPM ● SB_PPM
- ANOMALOUS ARSENIC (SIZE ANNOTATED)
- CONTOURED FOR AS ≥ 20PPM

NOTES:

- REF. TO FILE ASSAY CERTIFICATES A9425913, A9425917, A9427165, A9427161, A9427165, A9427172
 - BELOW LAB DETECTION LIMIT
 - DERIVED GRID

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,910

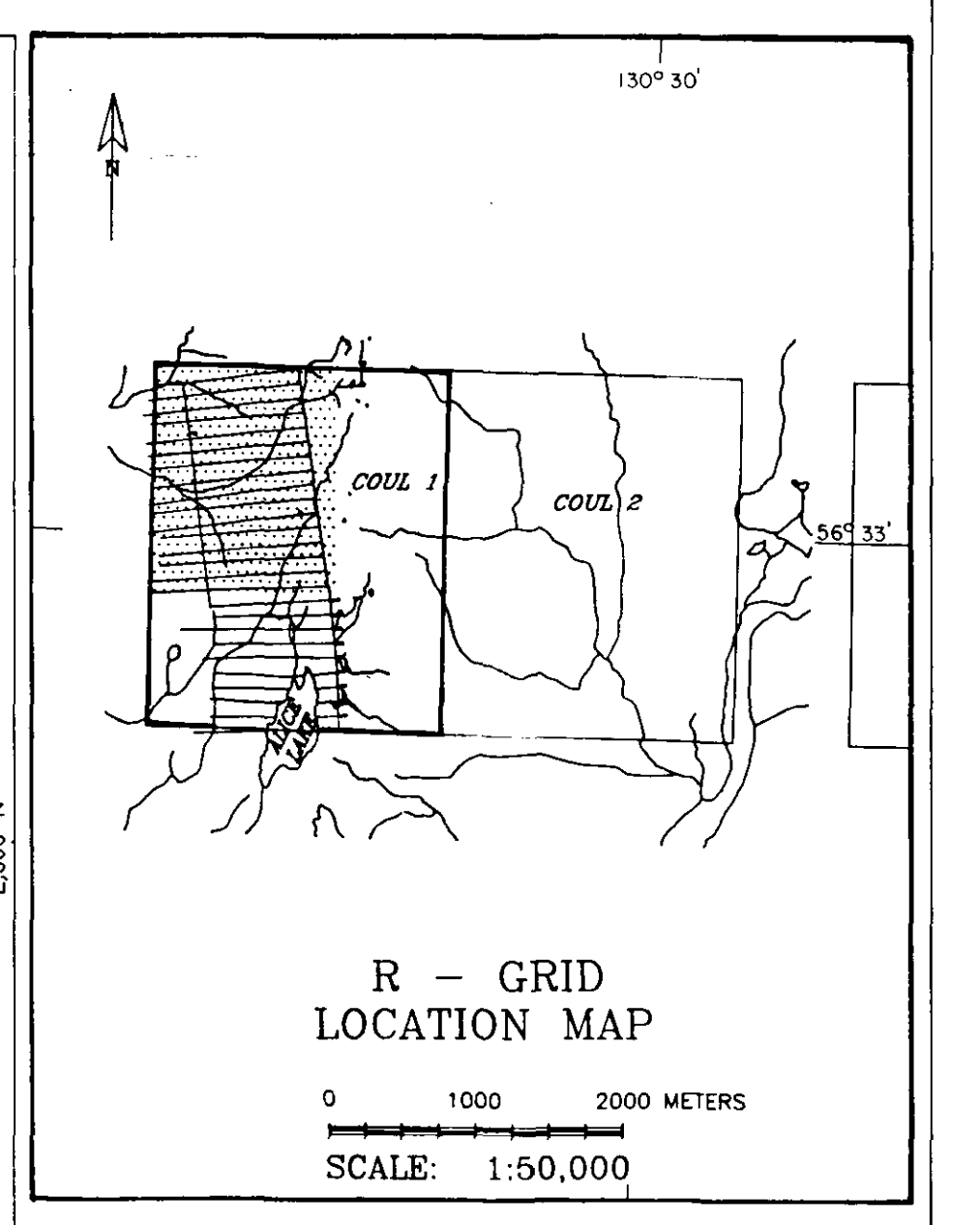
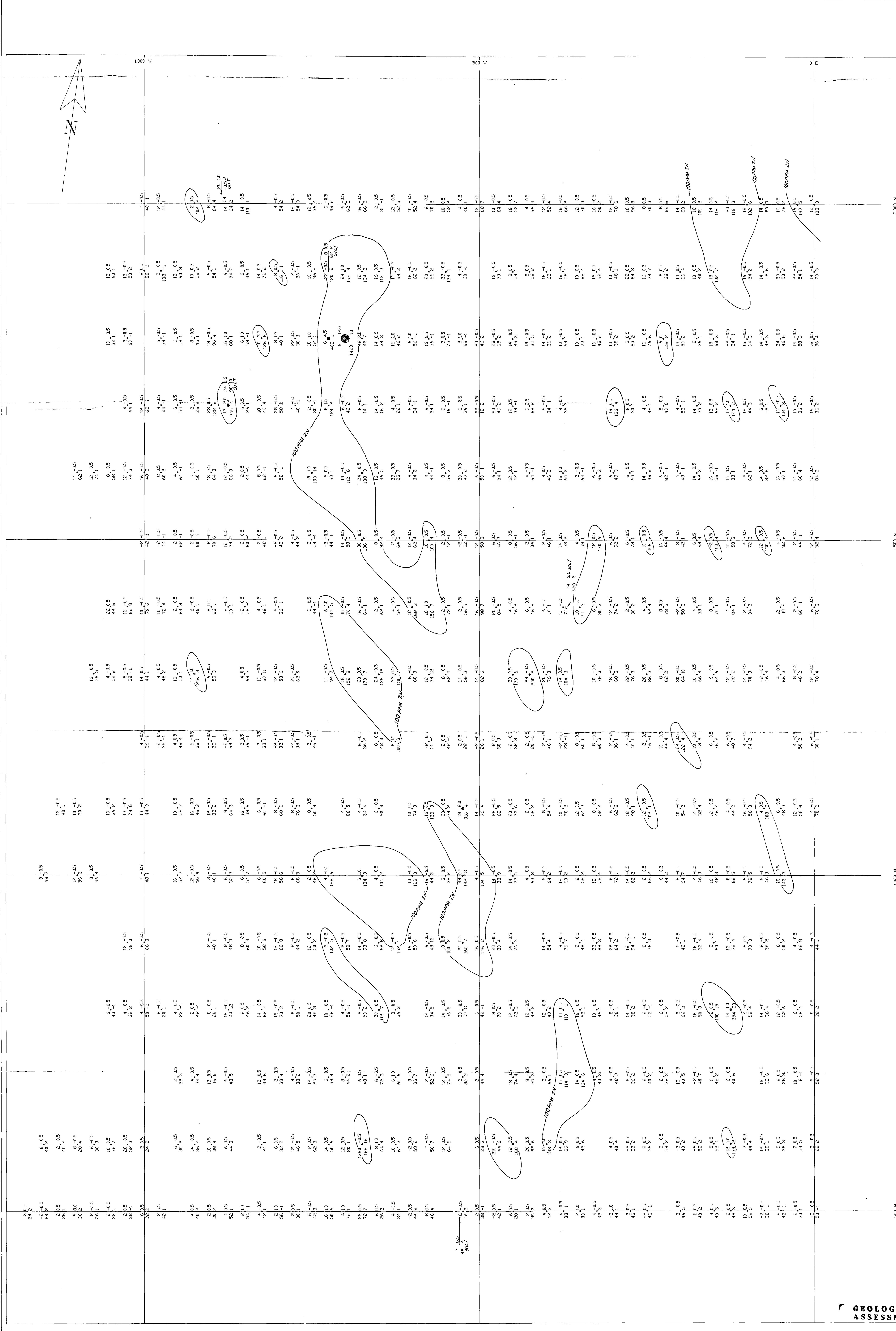
FIGURE: 8

DRAWN BY: CU
 DATE: FEB. 13, 1995
 DRAWING No.

GRANGES INC.
 VANCOUVER, B.C.

AS, SB
 1994 SOIL GEOCHEM
 R - GRID, UNUK OPTION
 COUL 1 CLAIM (5211)

SCALE: 1:2000
 PROJECT No.: 134
 NTS No.: 1048/10E



R - GRID
LOCATION MAP
SCALE: 1:50,000



SCALE
1:2000

LEGEND:
PB_PPM • CD_PPM
ZN_PPM • MO_PPM

SYMBOLS:
● ANOMALOUS ZINC
(SIZE ANNOTATED)

CONTOURED FOR ZN ≥ 100 PPM

NOTES:
- RESULTS FROM ASSAY CERTIFICATES A9425913, A9425917, A9427159, A9427161, A9427165, A9427172.
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,910

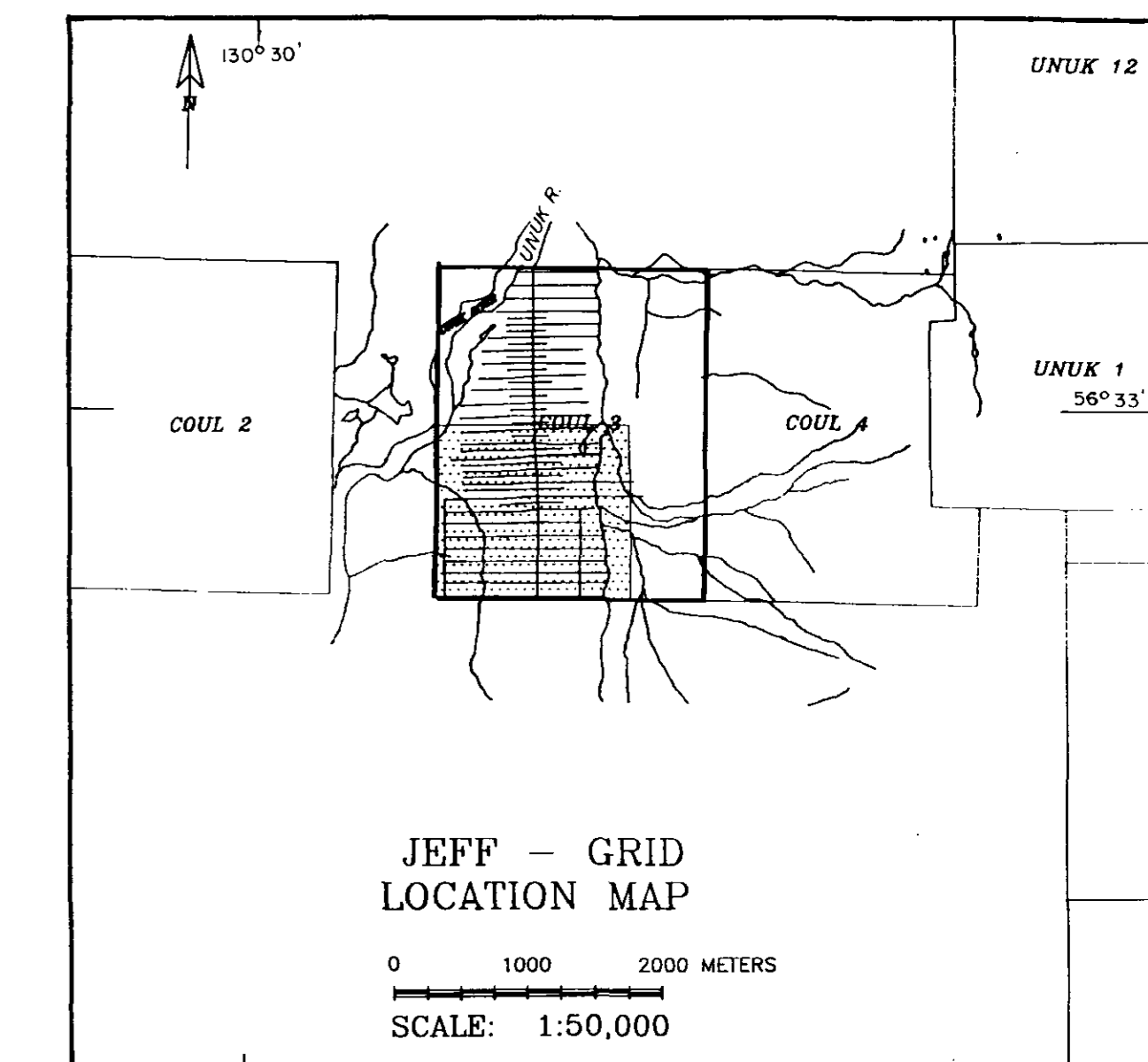
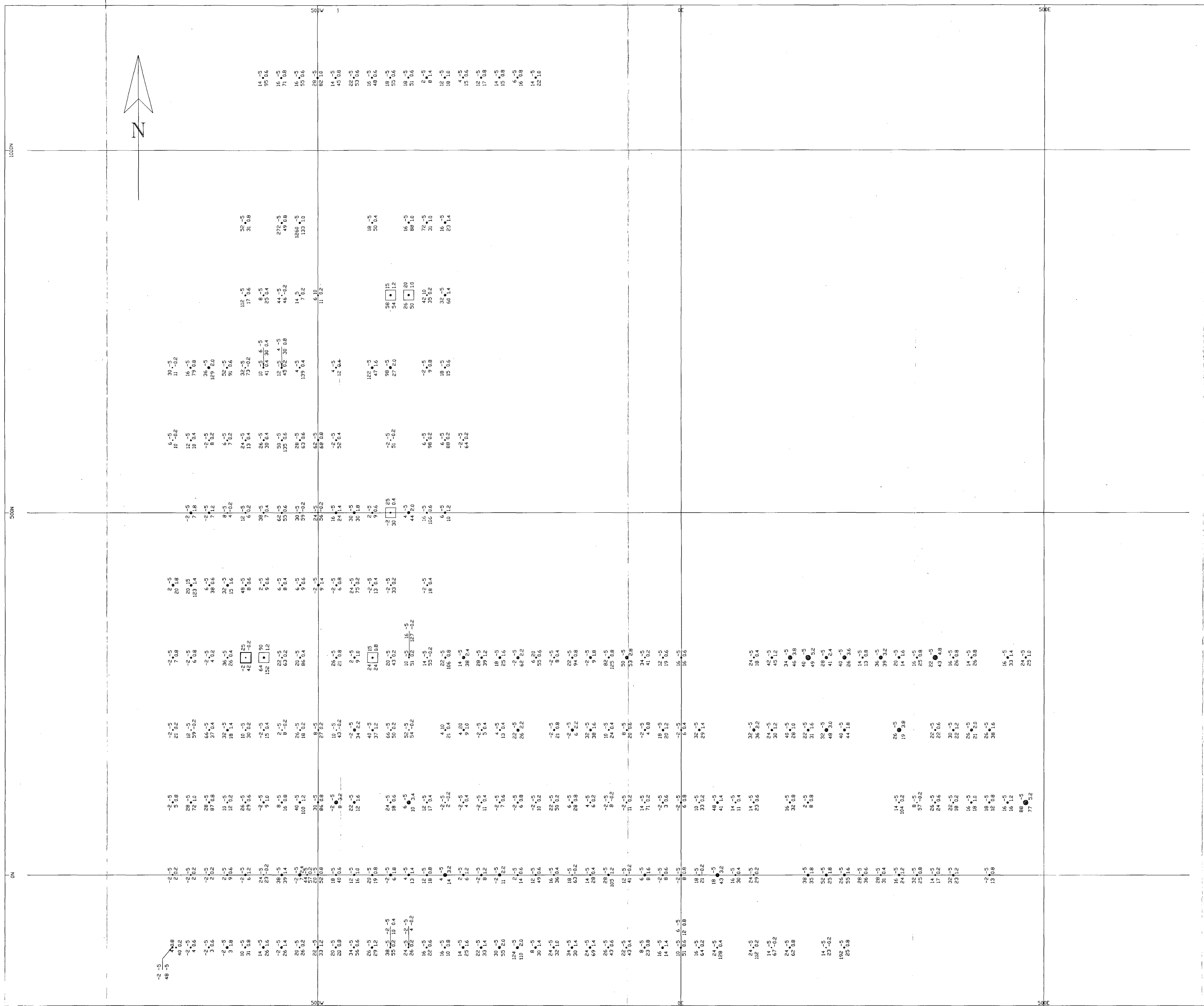
FIGURE: 9

DRAWN BY: CU
DATE: FEB. 6, 1995
DRAWING No.

GRANGES INC.
VANCOUVER, B.C.

PB, ZN, MO, CU
1994 SOIL GEOCHEM
R-GRID, UNUK OPTION

SCALE: 1:2000
PROJECT No: 134
NTS No: 1048/10E



LEGEND:

- AS_PPB
- AU_PPB
- CU_PPB
- AG_PPB

SYMBOLS:

- GOLD GREATER THAN 14PPB
- ANOMALOUS SILVER (SIZE ANNOTATED)

NOTES:

- RESULTS FROM ASSAY CERTIFICATES A9425946, A9425963, A9427164, A9427171
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT
- IDEALIZED GRID

GEOLOGICAL BRANCH ASSESSMENT REPORT

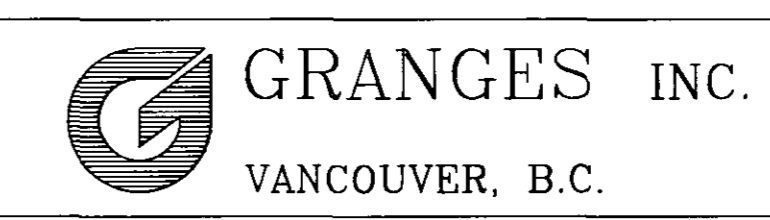
23,910

FIGURE: 10a



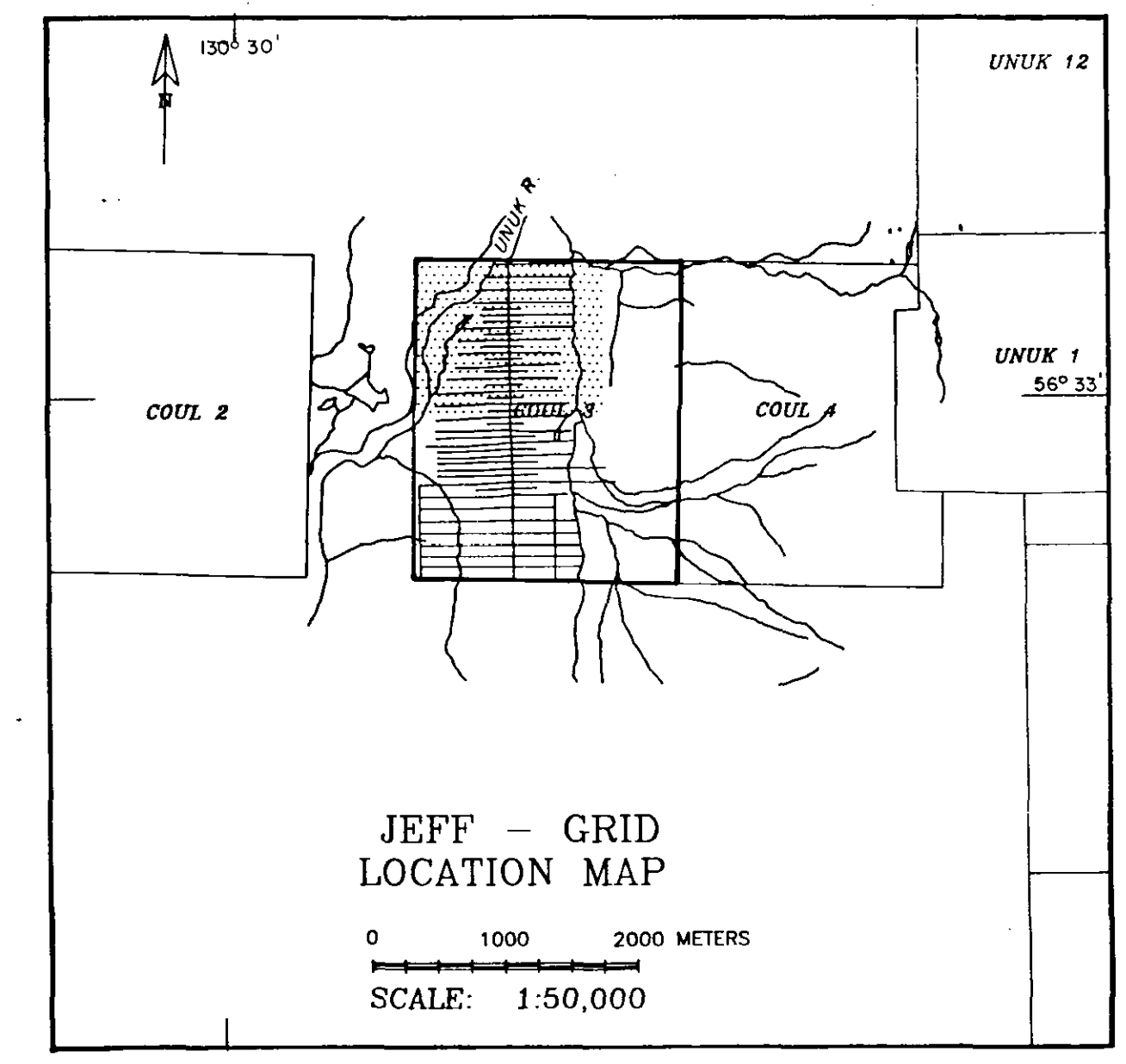
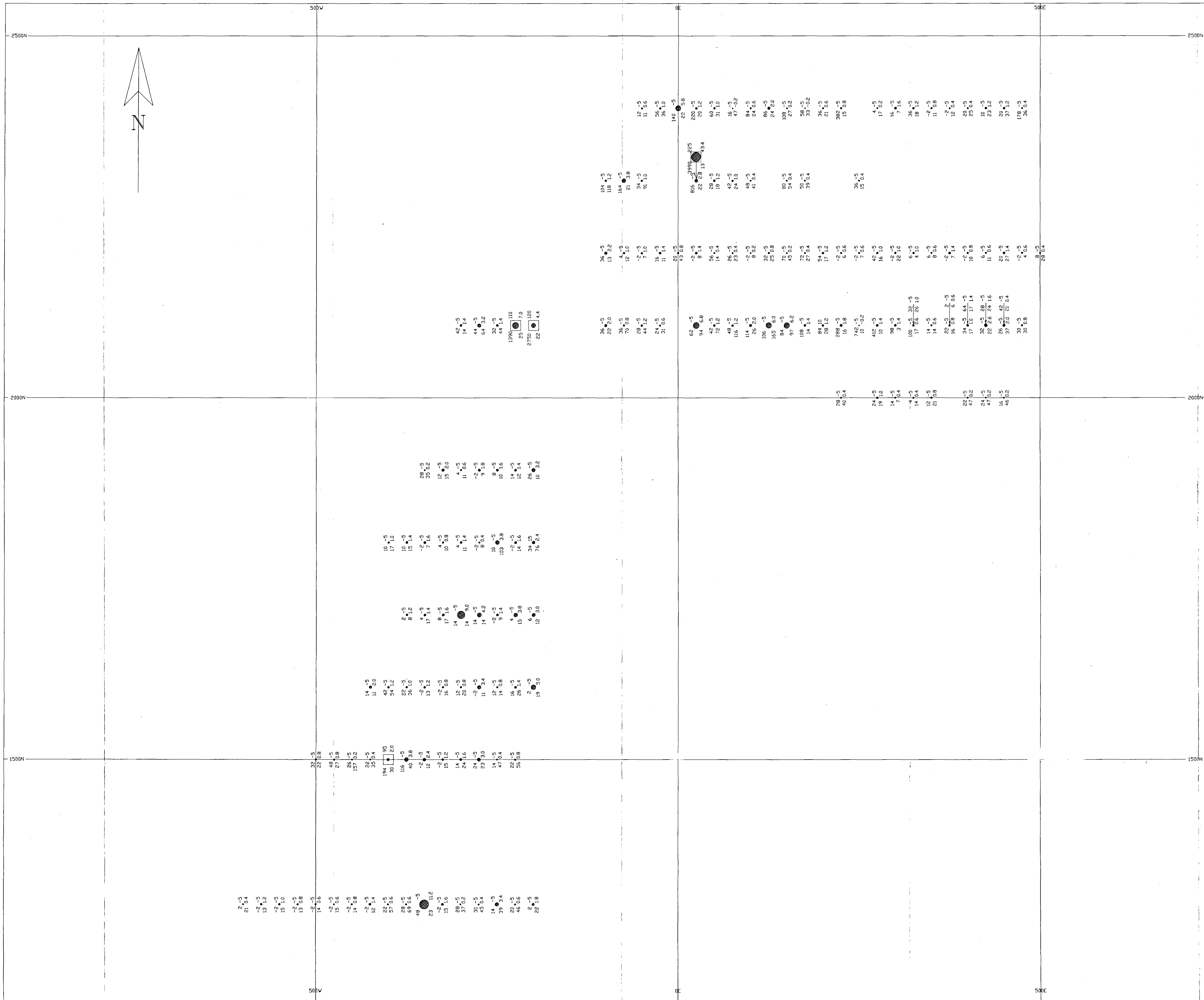
SCALE
1:2000

DRAWN BY: CU
DATE: FEB. 7, 1995
DRAWING No.



AG, AU, AS, CU
1994 SOIL GEOCHEM
JEFF GRID - UNUK OPTION
COUL 3 CLAIM (0213)

SCALE: 1:2000
PROJECT No.: 134
NTS No.: 1048/09W



LEGEND:

- AS_PPM • AU_PPB
- CU_PPM • AG_PPM

SYMBOLS:

- GOLD GREATER THAN 14PPB
- ANOMALOUS SILVER (SIZE ANNOTATED)

NOTES:

- RESULTS FROM ASSAY CERTIFICATES A9425946, A9425963, A9427164, A9427171
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT
- IDEALIZED GRID

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,910
FIGURE 10b



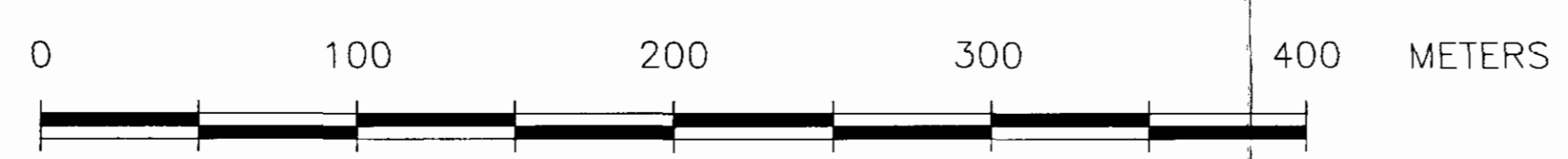
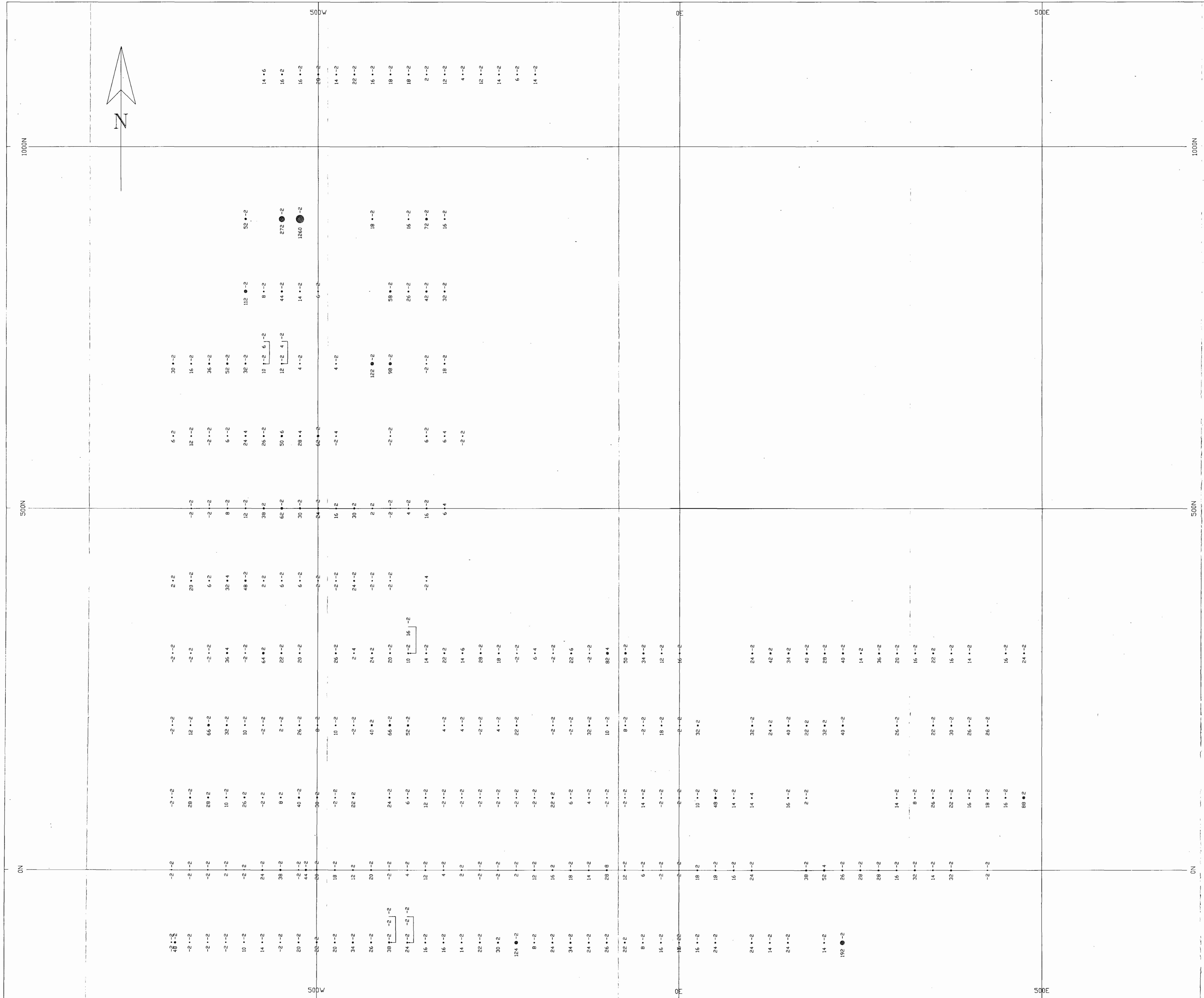
SCALE
1:2000

DRAWN BY: CU
DATE: FEB. 7, 1995
DRAWING No.

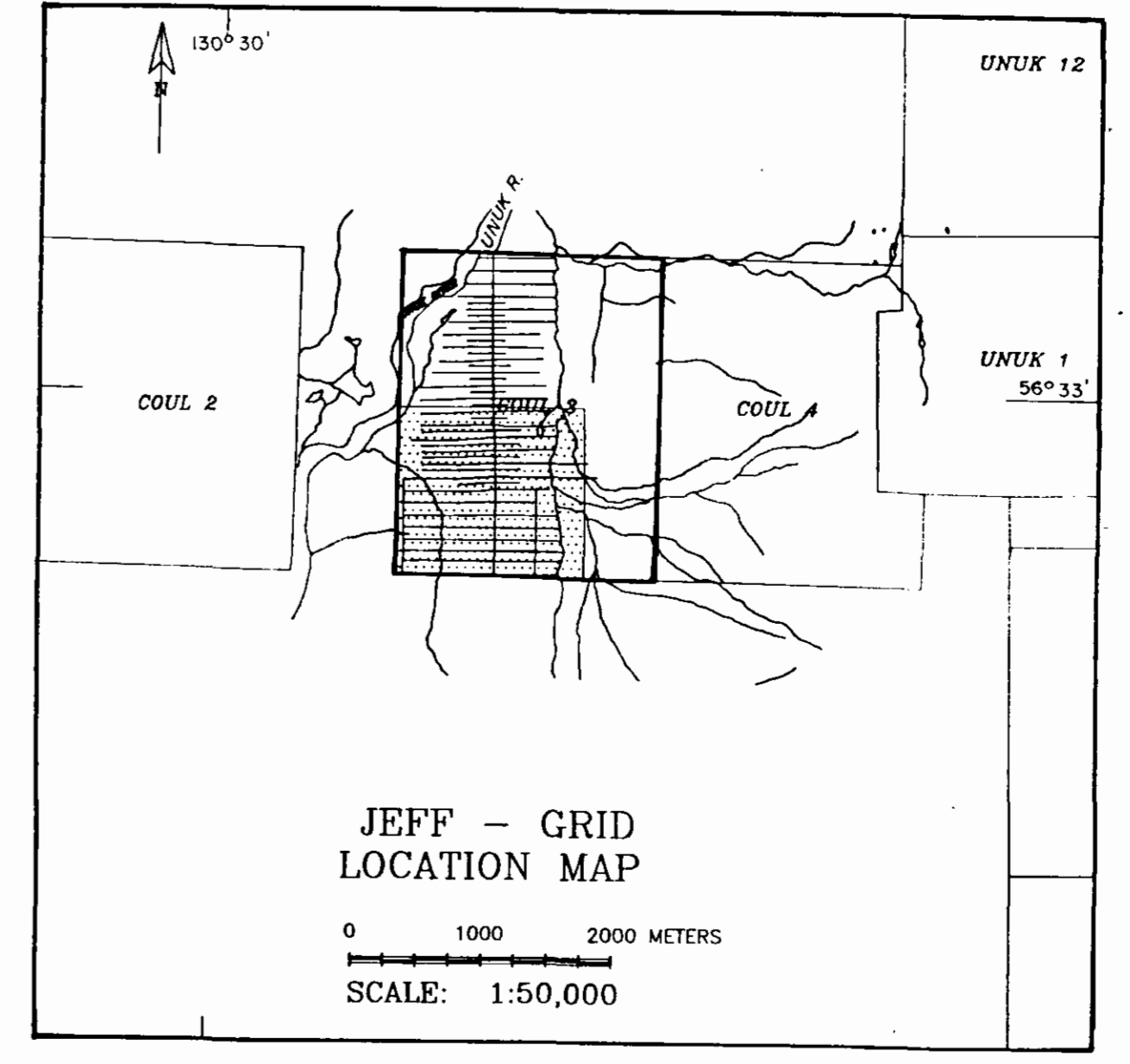
GRANGES INC.
VANCOUVER, B.C.

AG, AU, AS, CU
1994 SOIL GEOCHEM
JEFF GRID - UNUK OPTION
COUL 3 CLAIM (S213)

SCALE: 1:2000
PROJECT No.: 134
NTS No.: 104B/09W



SCALE
1:2000



LEGEND:

AS_PPM ● SB_PPM

SYMBOLS:

● ANOMALOUS ARSENIC (SIZE ANNOTATED)

NOTES:

- RESULTS FROM ASSAY CERTIFICATES A9425946, A9425963, A9427164, A9427171
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT
- IDEALIZED GRID

GEOLOGICAL BRANCH
ASSESSMENT REPORT

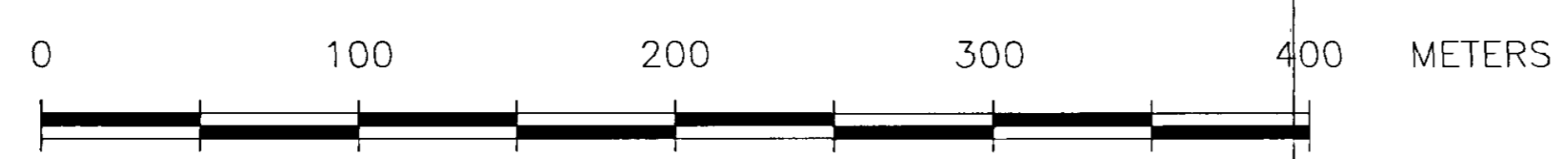
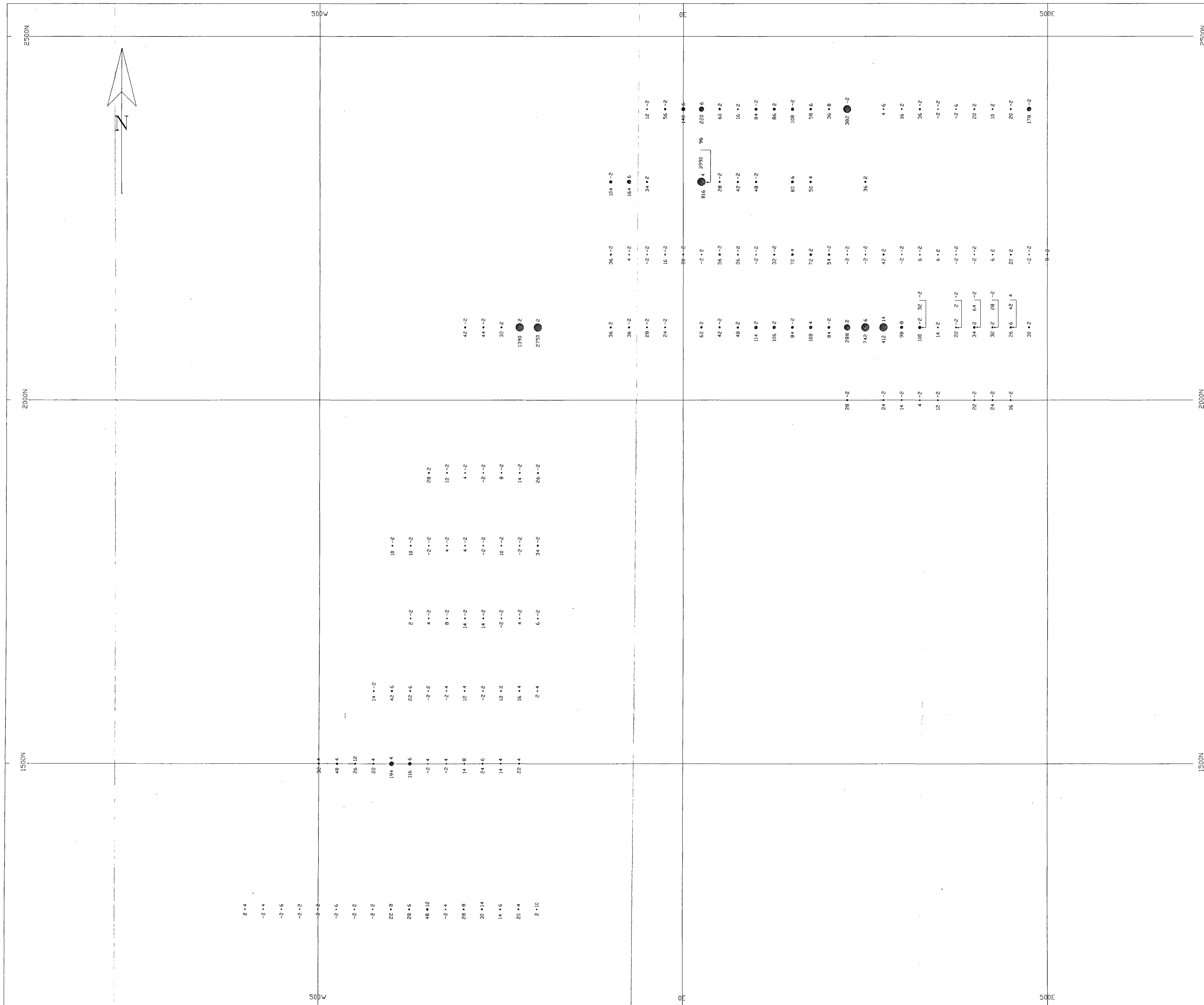
23,910
FIGURE: 11a

DRAWN BY: CU
DATE: FEB. 10, 1995
DRAWING No.

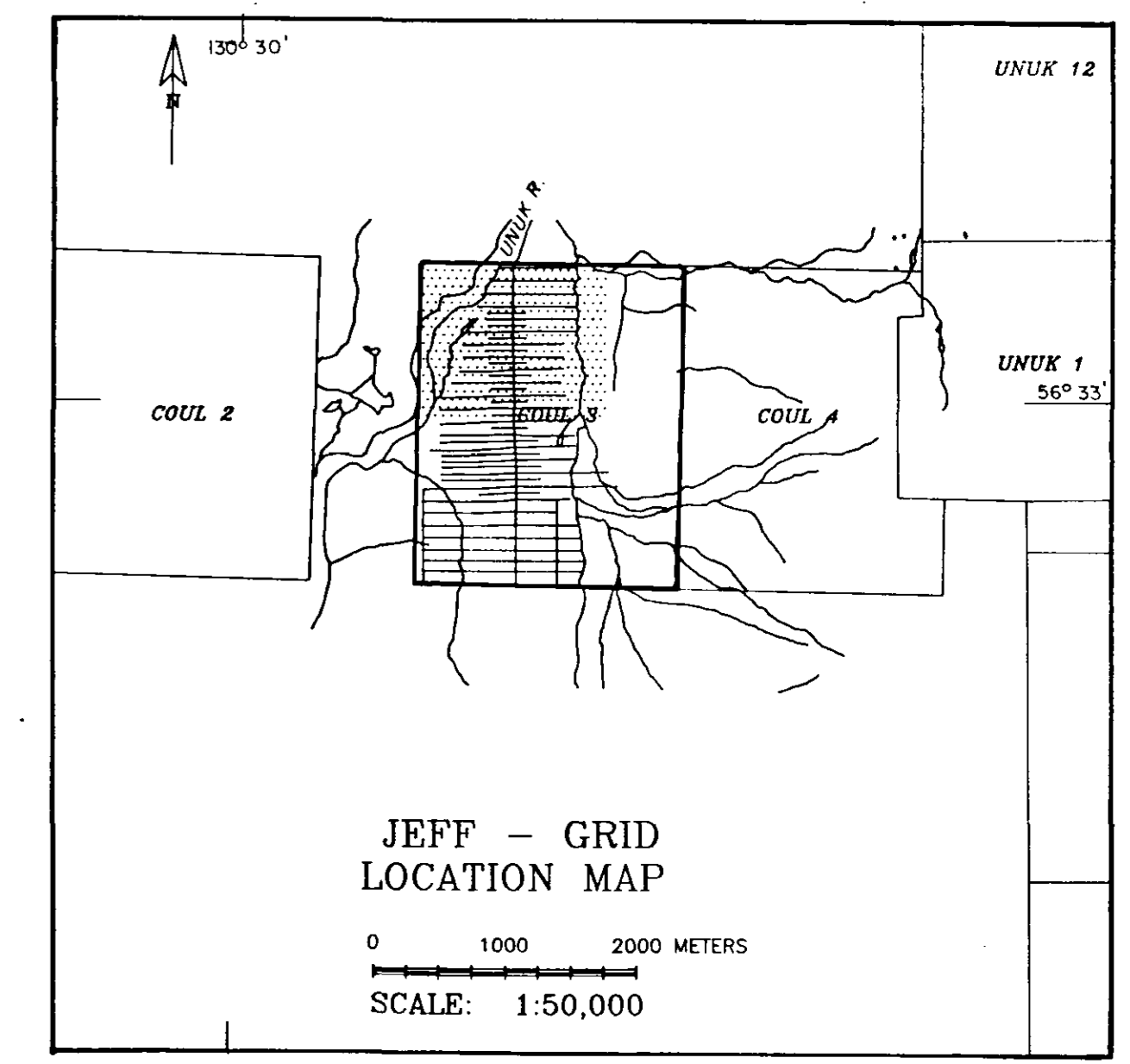


AS, SB
1994 SOIL GEOCHEM
JEFF GRID - UNUK OPTION
COUL 3 CLAIM (5213)

SCALE: 1:2000
PROJECT No.: 134
MTS No.: 104/809W



SCALE
1:2000



LEGEND:

AS_PPM ● SB_PPM

SYMBOLS:

● ANOMALOUS ARSENIC
(SIZE ANNOTATED)

NOTES:

- RESULTS FROM ASSAY CERTIFICATES A9425946, A9425963, A9427164, A9427171
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT
- IDEALIZED GRID

GEOLOGICAL BRANCH
ASSESSMENT REPORT

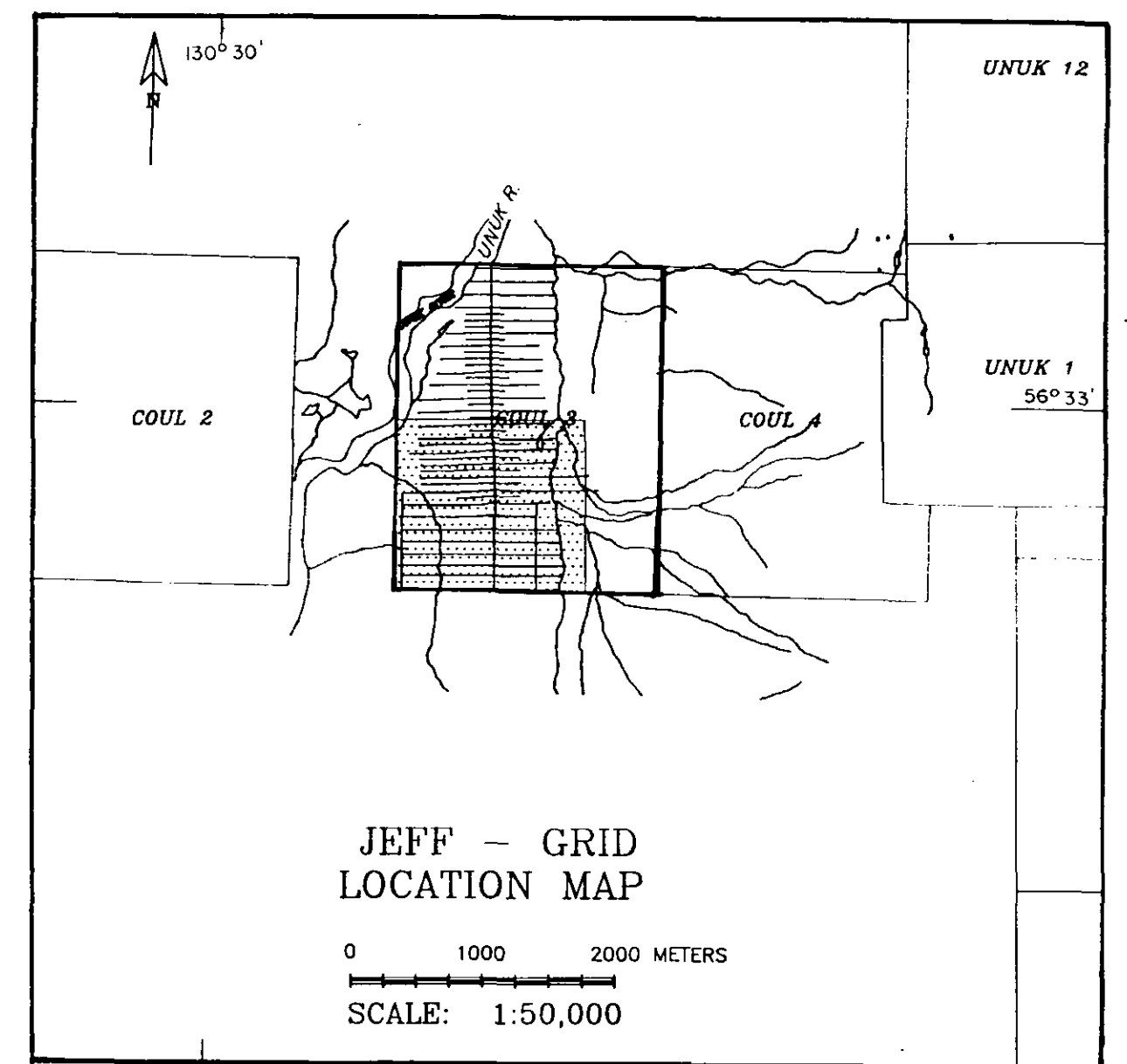
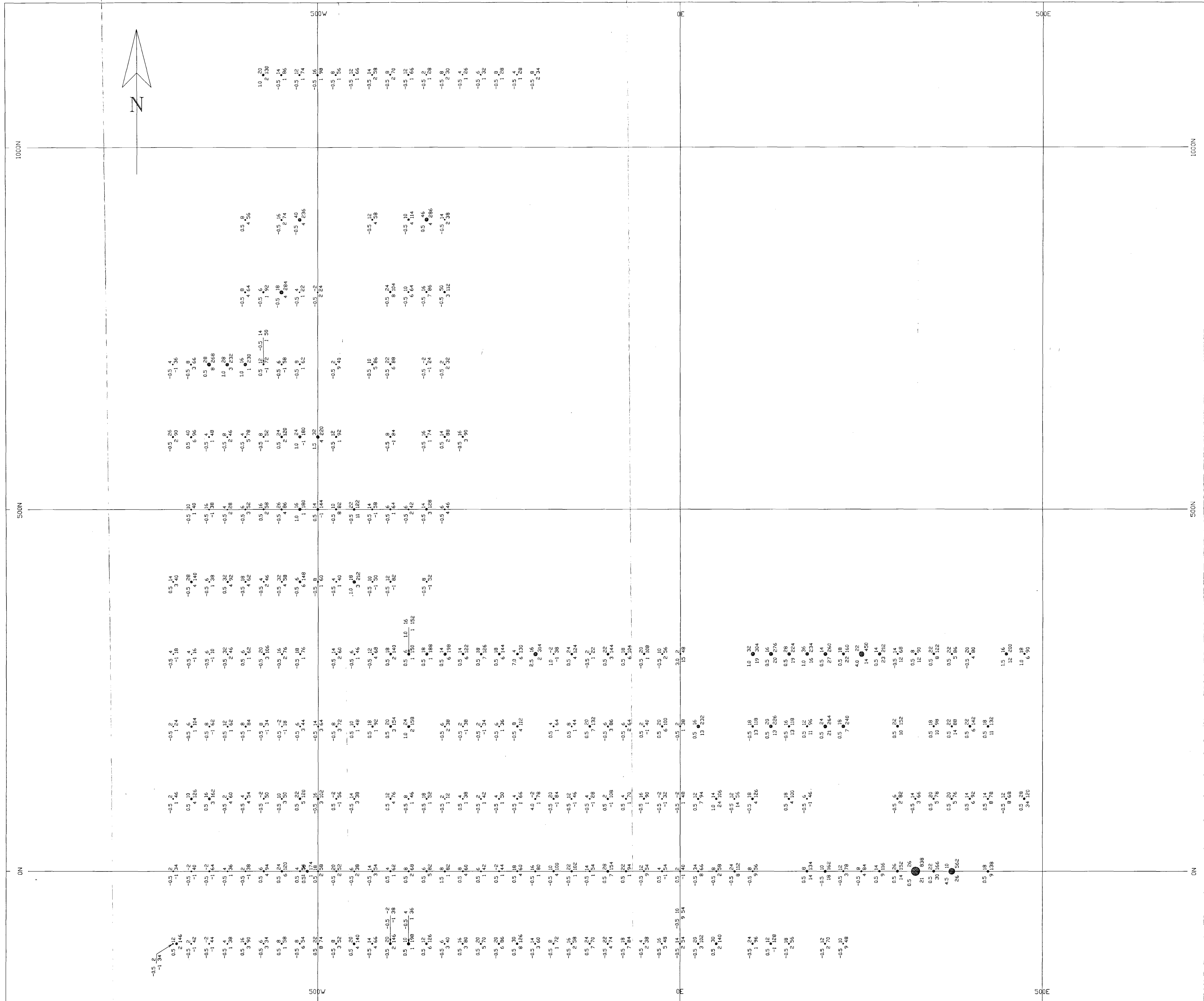
23,910
FIGURE: 11b

DRAWN BY: CU
DATE: FEB. 10, 1995
DRAWING No.



AS, SB
1994 SOIL GEOCHEM
JEFF GRID - UNUK OPTION
COUL 3 CLAIM (5213)

SCALE: 1:2000
PROJECT No.: 134
NTS No.: 104/809W



LEGEND:

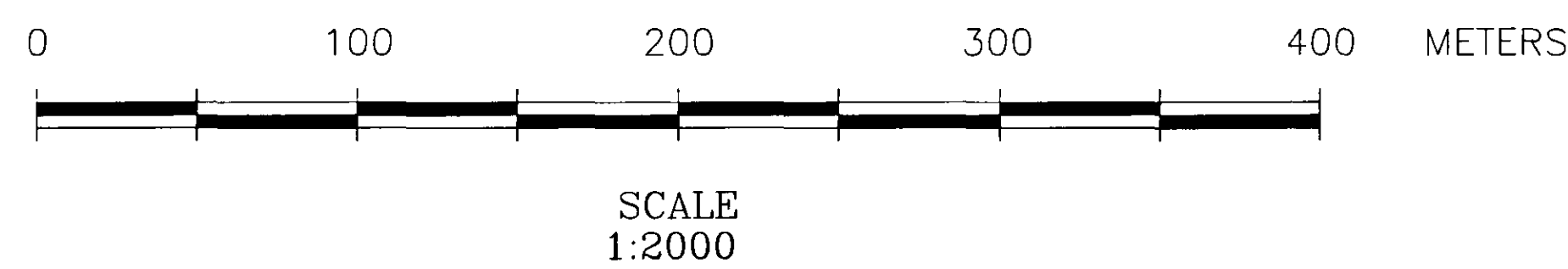
CD_PPM • PB_PPM
MO_PPM • ZN_PPM

SYMBOLS:

● ZINC VALUES
(SIZE ANNOTATED)

NOTES:

- RESULTS FROM ASSAY CERTIFICATES A9425946, A9425963, A9427164, A9427171
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT
- IDEALIZED GRID



DRAWN BY: CU
DATE: FEB. 9, 1995
DRAWING No.

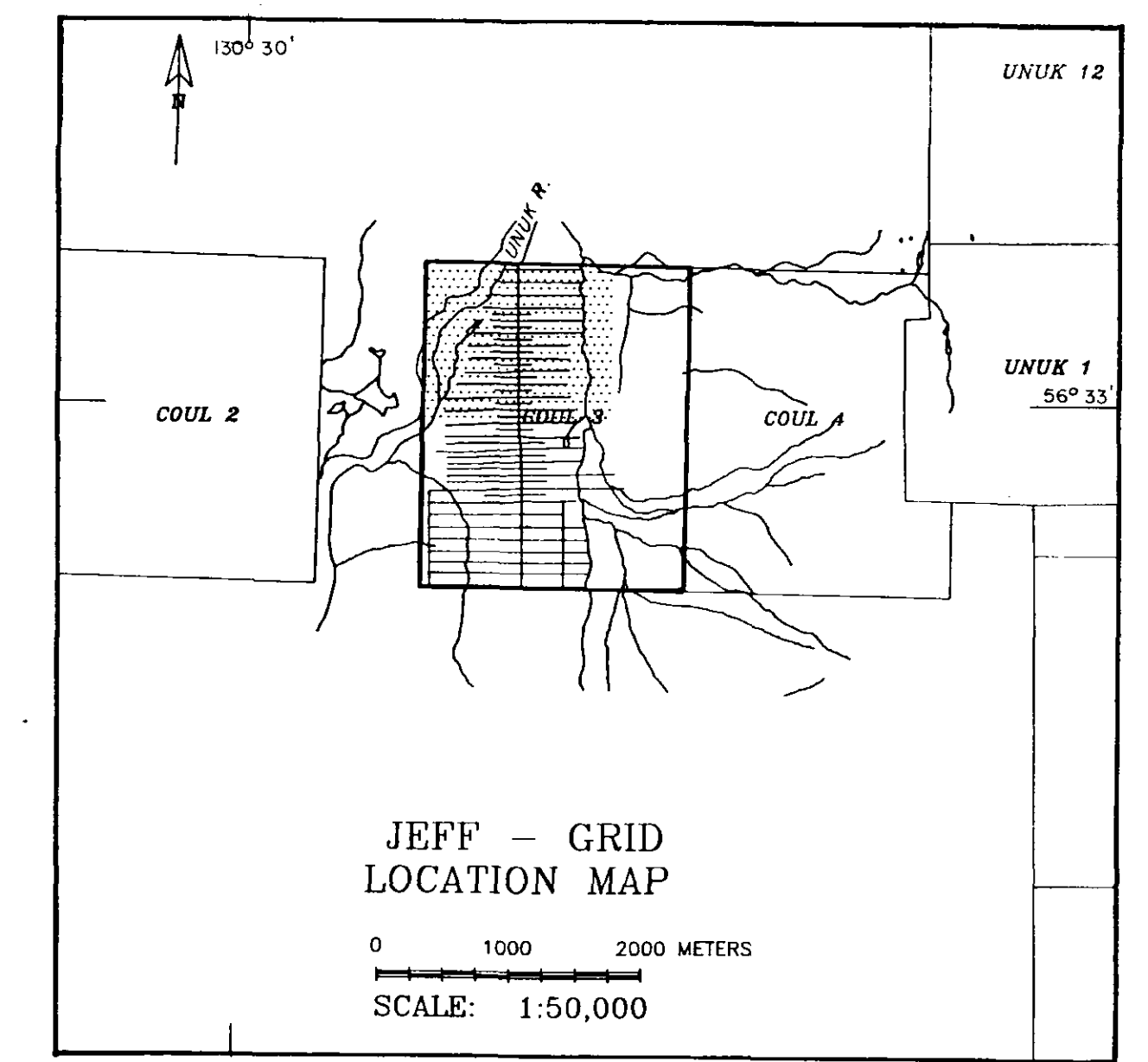
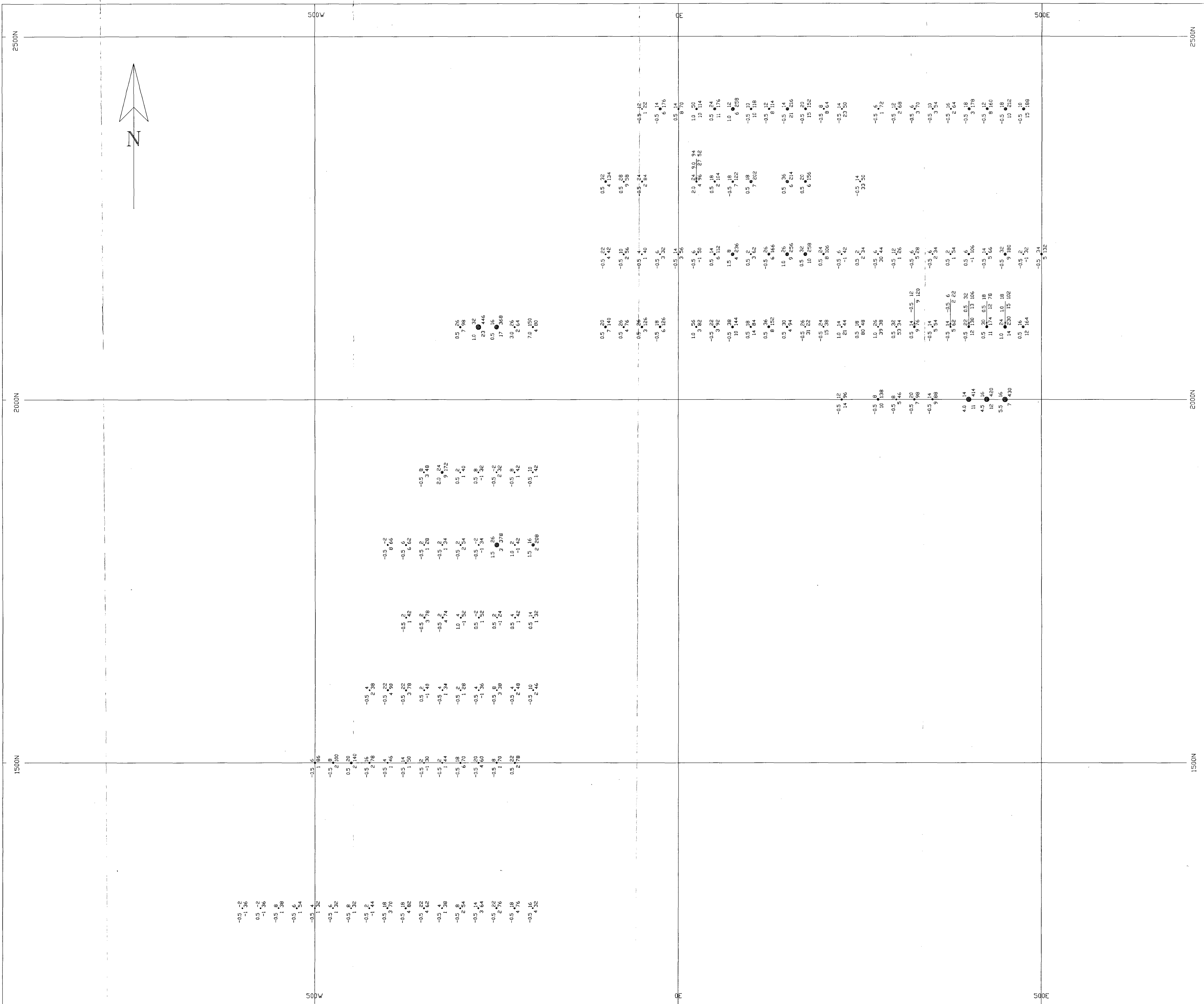
GRANGES INC.
VANCOUVER, B.C.

PB, ZN, CD, MO
1994 SOIL GEOCHEM
JEFF GRID - UNUK OPTION
COUL 3 CLAIM (5013)

SCALE: 1:2000
PROJECT No.: 134
NTS No.: 1048/09W

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,910
FIGURE: 12a



LEGEND:

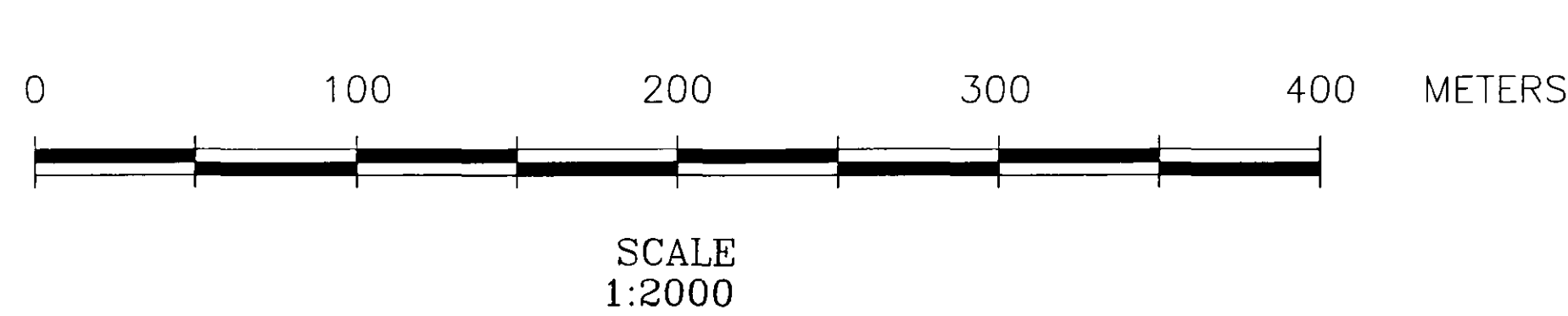
CD_PPM • PB_PPM
 MO_PPM • ZN_PPM

SYMBOLS:

● ZINC VALUES
 (SIZE ANNOTATED)

NOTES:

- RESULTS FROM ASSAY CERTIFICATES A9425946, A9425963, A9427164, A9427171
- NEGATIVE NUMBERS INDICATE BELOW LAB DETECTION LIMIT
- IDEALIZED GRID



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

23,910

FIGURE: 12b

DRAWN BY: CU DATE: FEB. 9, 1995 DRAWING No.	GRANGES INC. VANCOUVER, B.C.	PB, ZN, CD, MO 1994 SOIL GEOCHEM JEFF GRID - UNUK OPTION COUL 3 CLAIM (6219)	SCALE: 1:2000 PROJECT No.: 134 NTS No.: 1048/09W
---------------------------------------------------	----------------------------------------	---------------------------------------------------------------------------------------	--------------------------------------------------------