

ASSESSMENT REPORT

ON THE

PIKE CLAIMS

(PIKE 1-6 YB87183-88; PIKE 7-20 YB87488-501; PIKE 21-24 YB87763-66;
PIKE 25-76 YB87502-53; PIKE 77-111 YB87767-85;
PIKE 112-126 YB87788-803; PIKE 127-129 YB88801-03)

Traffic Mountain area

NTS 105 J-2

Lat. $62^{\circ} 11' N$, Long. $130^{\circ} 40' W$
Watson Lake Mining District

For: NEWRISE RESOURCES
RR3, S 33, C 21
Penticton, B.C.
V2A 7K8



By: G.S. Davidson, P. Geol.
February 10, 1998

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 14,000.00.

M. Baker
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.



TABLE OF CONTENTS

	Page
SUMMARY.....	1
INTRODUCTION.....	3
LOCATION AND ACCESS.....	3
PHYSIOGRAPHY.....	3
PROPERTY.....	6
ENVIRONMENT.....	6
REGIONAL GEOLOGY.....	7
HISTORY.....	9
RECENT EXPLORATION.....	13
PROPERTY GEOLOGY AND MINERALIZATION.....	15
GEOCHEMICAL AND GEOPHYSICAL SURVEYS 1966-1967 & 1989.....	16
DISCUSSION AND RECOMMENDATIONS.....	16
PROPOSED EXPLORATION PROGRAM.....	17
CERTIFICATE.....	18
REFERENCES.....	19
STATEMENT OF COSTS.....	20

LIST OF FIGURES

Figure 1 Location Map.....	4
Figure 2 Regional Plan.....	5
Figure 3 Claim Plan.....	8
Figure 4 Regional Geology.....	12
Figure 5 Local Geology-Trench and Sample Locations.....(in pocket)	
Figure 6 Compilation Map Ag-Pb-Zn Contours.....	Appendix I
Figure 7 Compilation Map Cu-As Contours.....	Appendix I
Figure 8 Compilation Map Ground Geophysical Anomalies.....	Appendix I

LIST OF TABLES

Table I Claim Data.....	6
Table II 1966-1967 Trench Sample Values	10
Table III Table of Formations	11
Table IV Selected Sample Values	15

LIST OF APPENDICES

APPENDIX I-Figures 6-8	23
APPENDIX II- Certificates of Analysis.....	27

SUMMARY

This report prepared as an assessment report for Newrise Resources summarizes exploration work undertaken on the PIKE property in 1996-1997 by Mr. P. Risby, Teck Exploration Ltd., Viceroy International Exploration and Hastings Management Corp. The report also reviews previous assessment reports and recommends an exploration program to further evaluate the prospect. The PIKE consists of 123 claims (2,694 hectares) located on the Pelly River flats, 95 kilometers east of the town of Ross River and 50 kilometers north of the Robert Campbell Highway in the east-central Yukon Territory. Access is by helicopter from Ross River, the Robert Campbell Highway or from the North Canal Road. A winter trail connects the property to the Campbell Highway. Charter aircraft and supplies are available from Ross River or alternately Whitehorse, 360 kilometers southwest of the property.

The PIKE showings are located just north of two small lakes on several gently sloping ridges in an area of low relief. The lake and creek valleys are swampy but the ridges feature a few outcrops and fairly shallow overburden. Vegetation consists of swamp hummocks and black spruce forest with patches of poplar. The property is within the Selwyn Basin geological region, a thick sequence of Proterozoic and Paleozoic sedimentary rocks situated on the western edge of the North American craton. The Tintina Fault, the contact between the craton and accreted rocks is located southwest of the property marking the transition from the Selwyn Basin to the Yukon Tanana and Slide Mountain terranes. The Yukon Tanana is being explored for massive sulphide deposits formed in Paleozoic and Mesozoic sedimentary and metavolcanic rocks. The Selwyn Basin hosts sedex and replacement style deposits. The PIKE property features metasedimentary units, mainly quartzites, argillites, cherts and limestone of Haydrinian age intruded by granitic rocks of Cretaceous or younger age. Fractures and shears in a silicified and sericitised granodiorite sill host, veinlets and disseminated, arsenopyrite and pyrite, with less chalcopyrite, sphalerite, tetrahedrite and minor galena.

The PIKE claims were staked by prospector P. Risby on an old prospect originally discovered in the 1960's by Atlas Exploration Corp. The prospect was explored by Atlas Exploration from 1966-1974, followed by Cima resources from 1974-1981 and Noranda Exploration Co. in 1989. Initially, Atlas flew an airborne geophysical survey over the region, followed by staking of anomalies and surface exploration. The Pike block was subject to a soil geochemical survey, electromagnetic, magnetic and IP geophysical surveys, followed by trenching and a small amount of drilling. Two areas of mineralization known as the Pike (No 1) and Poke (No 2) showings were uncovered associated with strong northwest trending faults and cross-cutting northeasterly trending shears. The two showings were outlined along a geophysical and geochemical anomalous zone over a 3.0 km strike length.

The Pike showing is exposed in a series of cat trenches as a 15-25 meter wide arsenopyrite bearing altered and fractured granitic rock that averages 0.61% copper and 85.6 gpt (2.5 opt) silver. The Poke showing located about 1,200 meters away is also exposed in cat trenches as a quartz vein stockwork and fracture zone in granitic rock. Sphalerite and galena veinlets are patchy. The prospect was described as a porphyry copper occurrence by Noranda and others however P. Van Angeren (1997) suggested that it may be epithermal in origin associated with Tombstone Suite Intrusions. The Brewery Creek and Dublin Gulch deposits are gold rich examples of this type of mineralization.

In 1996-1997, 92 rock and 68 soil samples were taken during the property work. Most of the rock samples were taken from existing trenches and two soil sample lines were run west of the Pike showing. Results are consistent with those obtained by previous operators for silver, copper, lead and zinc. Gold values are generally low to background but a few significant results were found. The Pike zone samples ran up to 367 gpt silver and 3.58% copper while samples from the Poke zone assayed up to 606.8 gpt silver and 0.9% copper. Viceroy collected soil samples at 50 m intervals searching for a potential gold enriched section of the mineralized zones however the samples contained background gold values.

Surface exploration at the PIKE property has outlined a 3.0 km long target for finding silver rich sulphide mineralization in altered intrusive rocks. The mineralization may be structurally controlled associated with Tombstone Suite Intrusions.

There is good potential for finding further precious metal mineralization and copper bearing zones at the PIKE. Soil geochemistry followed by trenching or drilling of anomalies effectively outlines the mineralization. An exploration program of diamond drilling, grid development, mapping and geophysics at a proposed budget of \$165,000 is recommended for the PIKE property. A re-evaluation of the prospect should include preparation of a computerized database of the existing assessment data followed by interpretation of the geophysical and geochemical anomalies. Modern IP or electromagnetic surveys are recommended over the anomalies to facilitate selection of drill sites.

INTRODUCTION

The PIKE property consists of 123 claims located in the east-central Yukon Territory near Traffic Mountain and the Pelly river in the Logan Mountains and the Watson Lake Mining District. The claims cover low lying swampy topography and rolling hills north of the Pelly River. The showings and cat trenches are located on slightly higher ground just north of two small lakes. This report is prepared to describe assessment work completed from 1996-1997 by prospectors P. Risby and M. Barker and property evaluations by exploration crews from Hastings Management (September 3-4, 1996), Viceroy International (July 21-22, 1997) and Teck Exploration (June 25-27, 1997). This report reviews data provided by M. Barker and is based on a geological evaluation report by P. Van Angeren P. Geol, dated July 21, 1996. The report is prepared on behalf of Newrise Resources.

LOCATION AND ACCESS

The PIKE property is located 95 kilometers east of the town of Ross River and 53 kilometers north of the Robert Campbell Highway on NTS Map Sheet 105 J-2 at geographical co-ordinates 62⁰ 08' N and 130⁰ 40' W. The PIKE property is accessed by helicopter from Ross River or float plane to Pike Lake. A winter road connects the property to the Campbell Highway a distance of 75 kilometers. At present there is no camp on the claims but previous operators used a site on Pike Lake. Figures 1 and 2 show the property location. Logistically, Whitehorse, Ross River and Watson Lake provide supplies, accommodations, aircraft charter and government services for the district and there is a government maintained airstrip near Finlayson Lake.

PHYSIOGRAPHY

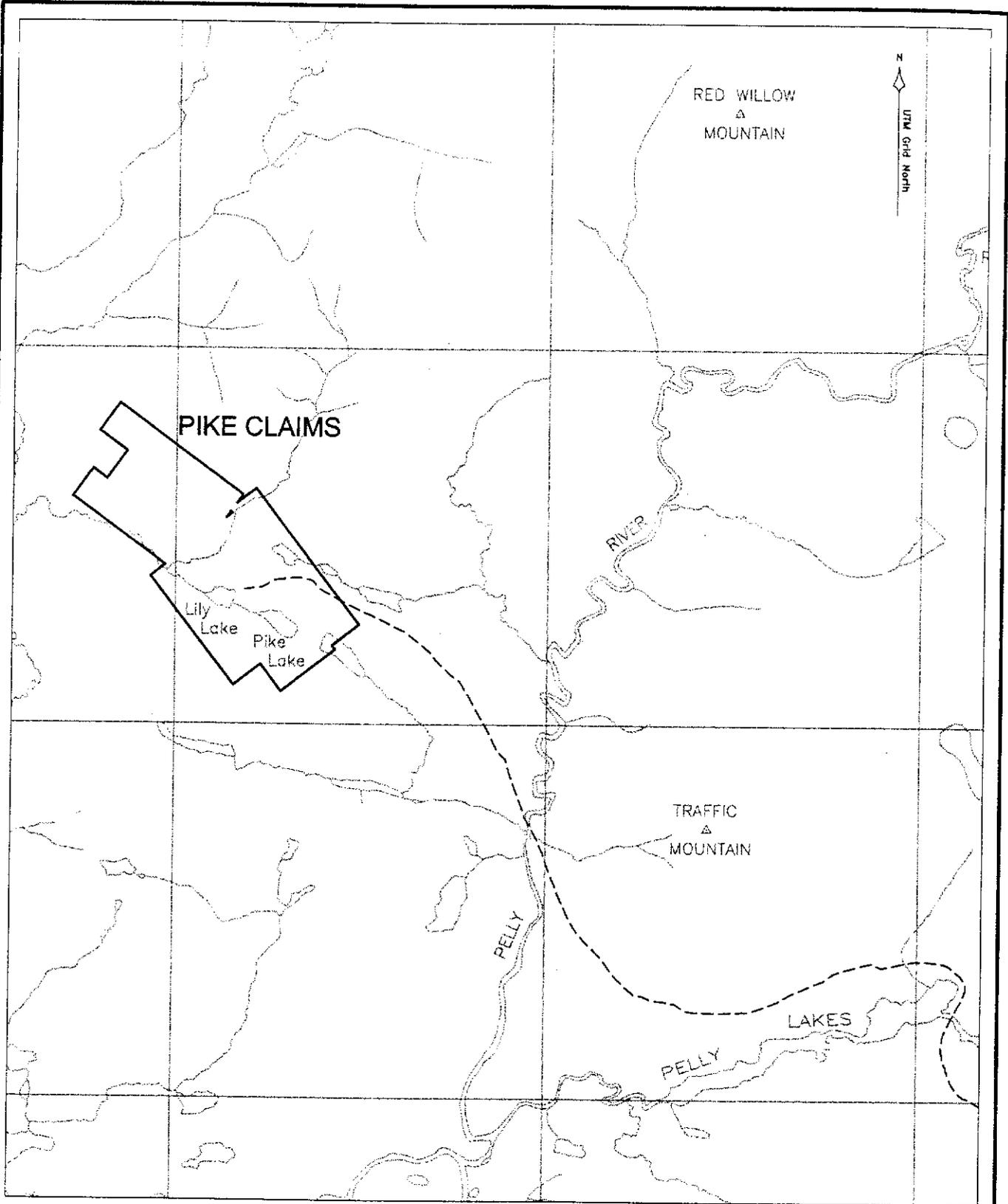
The PIKE property covers low lying swampy ground surrounding several small lakes and rolling hills that reach a peak elevation of 1,060 meters. The topography has a northwest-southeast trend defined by heavily forested hills and elongated swamps and lakes. Outcrop is very limited and the main exposures are in the cat trenches. The effects of glaciation are evident as eskers and moraines. Most of the region was covered by an ice sheet during the Pleistocene, which moved westerly.

Vegetation consists of black spruce forest with buck brush ground cover and small thickets of poplar and alder brush. Low-lying boggy areas feature swamp hummocks and standing pools of water.

The district has a northern interior climate marked by long cold winters and moderate annual precipitation. Exploration on the property can be performed from May until October.



NEWRISE RESOURCES		
PIKE PROPERTY Location Map		
<i>Graham Davidson, Consulting Geologist</i>		
SCALE: 1 : 6,000,000	FILE: 245L_1	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 1



N
UTM Grid North

PIKE CLAIMS

Lily Lake
Pike Lake

RED WILLOW
▲
MOUNTAIN

RIVER

TRAFFIC
▲
MOUNTAIN

PELLY

PELLY LAKES

PELLY

LEGEND

- stream, creek, lake
- trail
- claim group boundary



NEWRISE RESOURCES		
PIKE PROPERTY Regional Plan		
<i>Graham Davidson, Consulting Geologist</i>		
SCALE: 1 : 150,000	FILE: 245_2	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 2

PROPERTY

The PIKE property consists of 123 contiguous mineral claims, as shown in Figure 3 and listed in Table 1.

TABLE 1

CLAIM DATA

CLAIM NAME	RECORD NUMBER	EXPIRY DATE* (Applied For)
PIKE 1-6	YB87183-88	OCT. 31, 1998*
PIKE 7-20	YB87488-501	OCT. 31, 1998*
PIKE 21-24	YB87753-56	OCT. 31, 1998*
PIKE 25-76	YB87502-53	OCT. 31, 1998*
PIKE 77-92	YB87757-72	OCT. 31, 1998*
PIKE 95-106	YB87773-84	OCT. 31, 1998*
PIKE 111-129	YB87785-803	OCT. 31, 1998*

The PIKE claims were staked from August to October, 1996 and recorded in the office of the district mining recorder in Watson Lake.

ENVIRONMENT

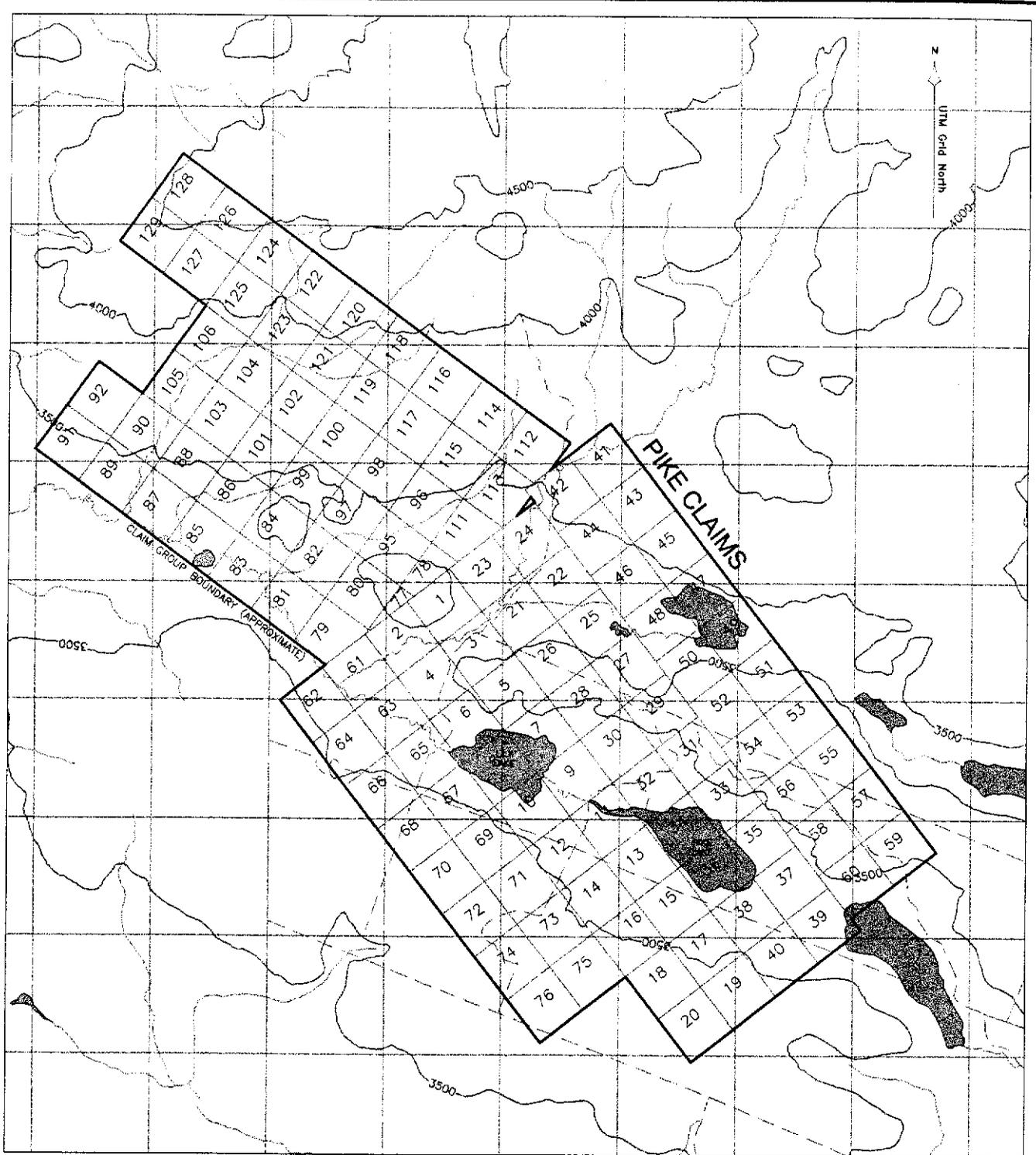
No special environmental concerns are known for this area. The Department of Indian and Northern Affairs is implementing land use regulations (March 1998?) in the Yukon Quartz Mining Act. Under these regulations, approval of a land use permit may be required prior to commencing exploration on a claim group. It is recommended that a Land Use Applications for larger work programs be submitted at least 90 days prior to mobilization.

REGIONAL GEOLOGY

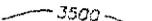
The rocks underlying Pike Lake district are mainly metasedimentary and include argillites, phyllites, limestones, cherts, slates, schists and quartzites of the Proterozoic to Lower Cambrian Hyland Group of the Selwyn Basin. Conformable lenses and sills of greenstone, probably Triassic in age, occur in profusion in places in the metasediments and a few narrow lamprophyre and quartz-porphyry sills, probably Jurassic or younger, are present locally. Granitic porphyry bodies of Cretaceous or younger age intrude the sediments and metasediments in the PIKE local. Copper-molybdenum porphyry style mineralization occurs within the intrusives and characteristic skarn zones are developed in calcareous metasedimentary rocks. In the late Mesozoic extensive thrust faulting accompanied the emplacement of Carboniferous and Permian dark green aphanitic basalt, dunite, peroxinite, peridotite, serpentized equivalents and quartz carbonate rock.

The claims lie north of the Tintina Fault, a large transcurrent Late Cretaceous to Tertiary fault system that caused at least 450 km of displacement. During the Eocene volcanism and sedimentation deposited sequences of basalt, rhyolite, felsic tuff and conglomerate in the Tintina depression. Late Tertiary uplift and faulting preserved Eocene volcanoclastic rocks in structurally complex grabens. Epithermal style gold and silver mineralization occurs at fault intersections in these grabens. Strong northwesterly trending fault zones in the Traffic Mountain area may be coeval to the Tintina system.

South of the Selwyn Basin the Yukon Tanana terrane is the focus of exploration for volcanogenic massive sulphide deposits. The increase in general interest in the region has led to a re-evaluation of prospects in the Selwyn Basin in particular mineralization occurring in association with Cretaceous intrusions and volcanic rocks. The Pike Lake region is underlain by a thick succession of gritty quartzites, cherts, slates and limestones intruded by granitic bodies. The Traffic Mountain Fault zone bisects the area as a northwest-southeast trending feature. Tertiary andesite and basalt flows occur along the fault zone and in the Pelly River valley. Metasedimentary units at Pike Lake strike 100-120° and dip 55-75° northeast. The most recent geological map of the district was compiled by Templeman-Kluit as Map 12-1961. Figure 4 shows the area geology and the Table of Formations is presented in Table III.



LEGEND

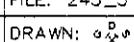
- elevation contour interval, (500 feet) 
- stream, creek, lake 
- trail 
- claim line 
- claim group boundary 



NEWRISE RESOURCES

**PIKE PROPERTY
Claim Plan**

Graham Davidson, Consulting Geologist

SCALE: 1 : 50,000	FILE: 245_3	DATE: 98.02.14
NTS: 105 J/2	DRAWN: 	FIGURE 3

HISTORY

The Ross River area was first explored by Robert Campbell of the Hudson's Bay Company who descended the Pelly River in 1840. A trading post was established by the HBC at Francis Lake in the 1850's. Prospectors entered the country via the Liard River system around 1880 looking for placer gold deposits. Minor amounts were found along bars in the Finlayson River. Lode prospecting began in the 1950's and intensified in the 1960's with the discovery of the Anvil Pb-Zn deposit at Faro. Most of the mineral occurrences in the district were found at this time. Several staking rushes in the Ross River, Finlayson and Pelly River areas targeted massive sulfide mineralization in volcanogenic and replacement style deposits. A few narrow zones of sulfide mineralization were discovered on claims around Wolverine Lake and at the Pelly Banks. In the 1980's the potential for gold mineralization along the Tintina Fault sparked a staking rush and the Ketz River (Canamax) and Grew Creek deposits were outlined.

In the Yukon-Tanana terrane, Cominco discovered massive sulfide float near the North Lakes in 1993. Follow-up geochemistry and geophysics identified a promising anomaly that was drilled in 1994 and 1995 delineating the Kutz ze Kayah massive sulfide deposit. Cominco has staked about 10,000 claims in the district since the discovery of the mineralization. Westmin Resources Ltd. entered the picture by optioning Atna Resources Ltd. properties around Wolverine Lake in Jan., 1995. Westmin announced a volcanogenic massive sulfide discovery at the south end of Wolverine Lake in the summer of 1995. Mineralization has also been found on the Ice property of Expatriate Resources, the Fire Lake deposit of Columbia Gold, the Wolf property of Atna/YGC and the Money claims of Atna.

The dramatic increase in the level of exploration around Ross River has led to a re-evaluation of many mineral occurrences including those associated with Cretaceous intrusives in the Selwyn Basin.

The PIKE property was originally staked in 1966 by Atlas Explorations Ltd. after an airborne geophysical survey over the region. Copper-silver mineralization was originally found by Al Kulan near Pike Lake prior to the survey. Ground geophysical and geochemical surveys were followed by bulldozer trenching and limited diamond drilling. Two mineralized zones were identified: 1) the Pike zone averaging 0.61% copper and 83.56 gpt (2.44 opt) silver over a 15 x 200 m area; 2) the Poke zone, a strong Ag-As-Cu-Pb-Zn geochemical anomaly.

In 1966-1967 Atlas excavated 16 bulldozer trenches on the Pike and Poke zones totaling about 21,000 cubic meters of material moved. Detailed chip sampling of the trenches identified the following results:

TABLE II
1966-1967 TRENCH SAMPLE VALUES

TRENCH NO.	INTERVAL	LENGTH	AVERAGE CU (%)	AVERAGE AG(opt)
Pike Zone				
T-43	45-90 Ft.	45 Ft	0.57	1.44
T-43A	20-58 Ft	38 Ft	0.69	1.50
T-44	5-55 Ft	50 Ft	0.40	0.93
T-45	25-45 Ft	20 Ft	0.45	1.20
T-48	0-135 Ft	135 Ft	0.36	2.58
	10-80 Ft	70 Ft	0.44	3.86
T-50	0-120 Ft	120 Ft	0.29	1.59
	25-60 Ft	35 Ft	0.61	2.48
Poke Zone				
T-TR Leg	0-25 Ft	25 Ft	1.48	2.91
T-TR	25-88 Ft	63 Ft	1.21	2.20
T-24E	170-225 Ft	35 Ft	Tr	4.33

One packsack drill hole (24m) was completed by Atlas in 1966.

Title to the property passed to Cima Resources Limited in the 1970's. Cima completed three diamond drill holes totaling 280.1 m in 1981. The holes intersected metasedimentary units and the porphyritic granitic sill. A band of mineralization in fractured granite porphyry at the footwall contact of trench T-48 produced the best drill result of 1.06% copper, 113 gpt (3.3 opt) silver, 0.39% lead, 0.80% zinc and 0.3 gpt gold over 5.0 m. The property was allowed to lapse in the mid 1980's.

Noranda Exploration restaked the prospect in 1989 and completed a new soil geochemical survey over the Pike and Poke zones. Similar results to those obtained by Atlas were found, but weak gold values in rock samples resulted in Noranda allowing the claims to lapse.

TABLE III - TABLE OF FORMATIONS

(adapted from Templeman-Kluit, 1977)

Quaternary

Q (15)-Undifferentiated, unconsolidated gravels, sands and clays

Tertiary

Qtvb (14)-Basalt

Tscg-Sandstone, conglomerate, shale

Tgfp-Quartz-feldspar porphyritic rhyolite

Tv (14)-Volcanic flows and tuffs

Cretaceous

Kg (13)-Buff to grey dykes, sills and small plugs of aplite and biotite granite; locally quartz, feldspar and/or biotite phyrlic; minor arsenopyrite

Triassic

Trd-Fine to medium-grained greenstone (meta-diorite, meta-gabbro)

Carboniferous & Permian

CPav-Anvil Allocthan, amphibolite, greenstone, basalt, gabbro

CPas-Serpentinite

Upper Devonian and Lower Mississippian

(5)-Chert pebble conglomerate, black and grey chert, shale, quartzite, slate and sandstone

Ordovician and Silurian

(3)-Cherts, shales, quartzite, limestone, phyllite

Proterozoic-Lower Cambrian

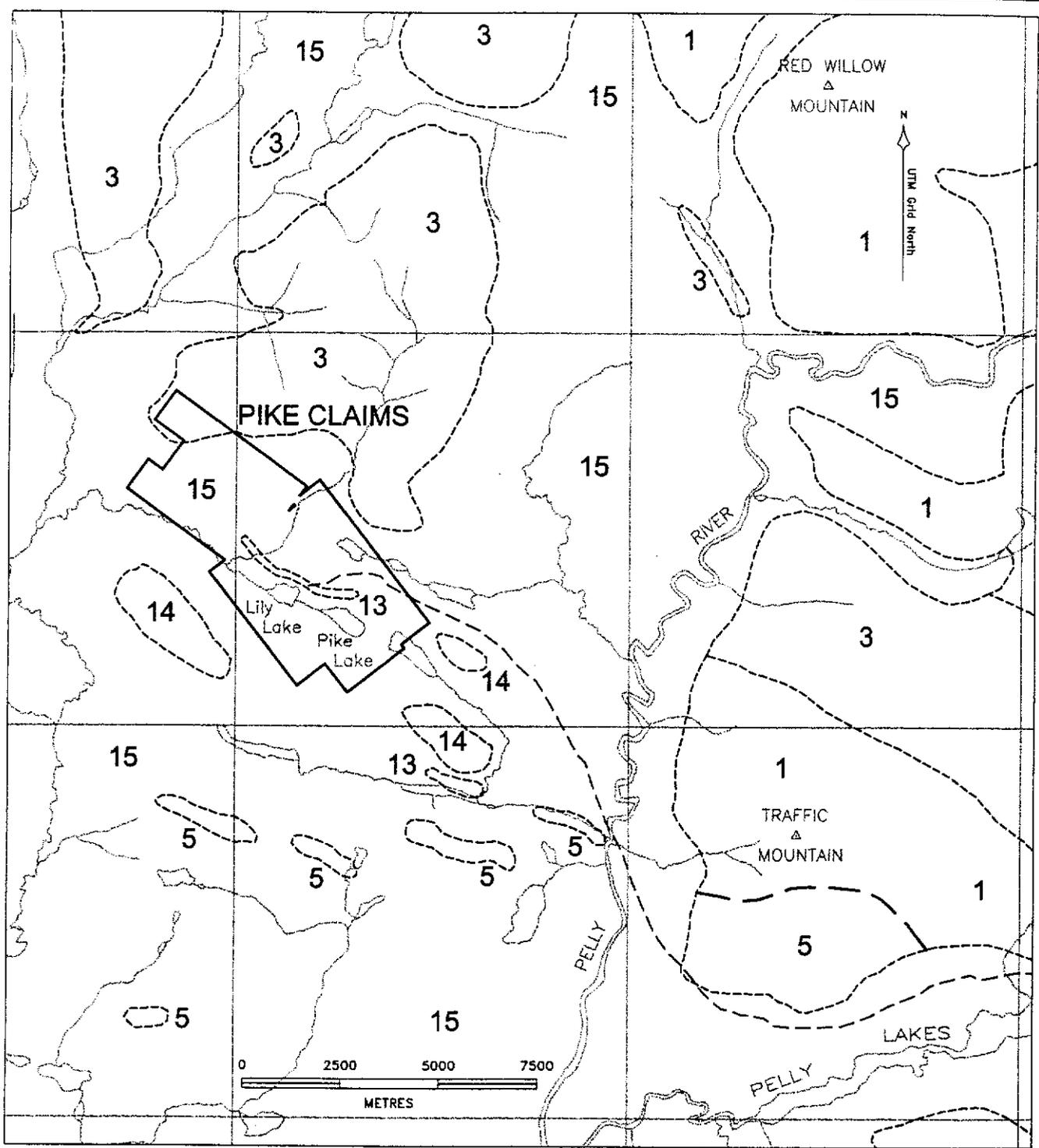
PPK-Klondike schist

Hyland Group-(1a)-Quartzite-pale grey to white-weathering with minor interbedded phyllite

(1b)-Phyllite and chert-thinly laminated black to grey sediments

(1c)-Marble, limestone-light grey to white, hematite and limonite staining

(1d)-Calc-silicate rock, diopside skarn and hornfels-black rusty weathering horizons, banded to disseminated pyrrhotite



LEGEND & SYMBOLS

- 15 **QUATERNARY**
Unconsolidated alluvial and glacial deposits
- 14 **TERTIARY**
Grey and dark grey andesite, dacite and basalt
- 13 **TERTIARY**
Granodiorite quartz and feldspar porphyry, probably plutonic equivalent of 14
- 5 **UPPER DEVONIAN AND LOWER (?) MISSISSIPPIAN**
Chert-pebble conglomerate; black & grey chert, shale, quartzite; black slate, shale, sandstone, phyllite; minor conglomerate
- 3 **ORDOVICIAN AND SILURIAN**
Black and varicoloured cherts, shales; minor chert-pebble conglomerate, quartzite, limestone, phyllite; massive chert-pebble conglomerate

- 1 **PROTEROZOIC**
Shale, slate, phyllite, quartzite; minor andesite quartz-pebble quartzite, grey quartzite, dark slate
- Geological contact (assumed)
- - - - - Fault (assumed)
- ~~~~~ Stream, creek, lake
- 4-wheel drive trail
- ===== Claim group boundary

NEWRISE RESOURCES		
PIKE PROPERTY		
Regional Geology		
<i>Graham Davidson, Consulting Geologist</i>		
SCALE: 1 : 150,000	FILE: 245_4	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 4

RECENT EXPLORATION

The PIKE was examined by crews from Hastings Management Corp. (Sept. 3-5, 1996), Viceroy International Exploration (July 21-22, 1997) and Teck Mining Corp. (June 25 & 27, 1997) during property evaluations. In addition P. Risby and M. Barker prospected several claims, sampled trenches and examined old drill core on July 11 and August 1, 1997. Collectively 68 soil, 92 rock and 1 silt samples were collected. Sample locations and results are shown on Figure 5, and Certificates of Analysis are presented in Appendix II. Assessment data was replotted and compiled as Figures 6-8 in Appendix I.

The following personnel worked on the Pike claims:

Sept. 3-5, 1996; P. Risby (prospector)
M. Barker (prospector)
P. Van Angeren, P. Geol.

June 25 & 27, 1997; J. Poulter (senior geologist)
L. Grexton (geologist)
P. Risby (prospector)

July 21-22, 1997; C. Shulze (senior geologist)
G. Macintosh (geologist)
P. Risby (prospector)

July 11 & August 1, 1997; P. Risby (prospector)
M. Barker (prospector)

PROPERTY GEOLOGY AND MINERALIZATION

The rocks exposed on the PIKE claims are Hyland Group metasediments of the Selwyn Basin overlain and intruded by volcanic flows and dykes of undetermined age, in turn intruded by Cretaceous or younger granite. Graphitic to calcareous phyllite, chert, calc-silicate rock, marble, limestone and quartzite underlie most of the claim area. Small cliffs of quartzite along the creek gullies are highly fractured with hematite and pyrrhotite in the fractures. The units generally strike 100-120° and dip 45-65° northeast. Biotite granite consists of medium-grained to porphyritic varieties outcropping on the eastern side of the claim block. A large granitic body may underlie the area and is exposed at the PIKE as an east-west trending unit, 15-150 meters wide and 3.0 kilometers long. Structurally, the sedimentary units are folded and fractured by uplift, normal faults and thrust faulting. Granitic rocks may have been emplaced by movement on thrust and/or normal faults. Figure 5 shows the property geology.

The following units were identified;

- Volcanic flows (14): andesitic to basaltic flows unconformably overlies the older units.
- Granite (13): fine to medium-grained to porphyritic body of biotite plagioclase granite, exposed in bulldozer trenches, fault bounded sill.
- Shale, sandstone and chert pebble conglomerate(5c):
- Chert and Shale (3): grey or black silicified, gossan zones around the granitic sills.
- Quartzite (1a): typically bedded light grey and white, glassy, fine to medium grained quartzite, locally gritty and recrystallized, contains sericite, minor pyrite and pyrrhotite on fracture faces.
- Phyllite and chert (1b): fine grained light to dark gray siliceous calcareous bedded sediments with disseminated to patchy pyrite and pyrrhotite, graphitic fracture faces, locally brecciated with minor white quartz and carbonate veining, weak to heavy limonite staining. Intersected by drilling in the footwall of the sill.
- Limestone and marble (1c): bedded grey-white, locally silicified containing minor cubic pyrite. Some diopside-magnetite-sulfide skarn development in limy units. Also, intersected in drill holes.
- Calc-silicate rock (1d): black fine-grained metasediment with banded and disseminated pyrrhotite, rusty red weathering, forms gossans in creek gullies.

Paleozoic graphitic argillites, shales and lesser limestone are folded and cut by NW trending faults parallel to the Traffic Mountain fault zone. The granitic sill, 10-40 meters wide at the Pike Zone has been traced over a 250 meter strike length. At the Poke zone the sill is up to 150 meters wide has been traced for over 3.0 kilometers. The sills are closely associated with the SE trending Traffic Mountain fault zone and are reported to dip to the SW.

The Pike zone was uncovered in a series of trenches in 1967 with the best mineralization found along the northern footwall contact. Mineralization is confined to the sill in an area of strong silicification and sericitization featuring NE trending shears and veins of sulfides. The entire 40 meter wide sill at the Pike zone is fractured with phyllic alteration containing disseminated pyrite and arsenopyrite with lesser chalcopyrite, sphalerite, tetrahedrite and trace galena. Samples collected from the trenches in 1967 outlined a mineralized zone averaging 82 gpt silver and 0.61% copper. Significant lead and zinc values were also present but were more variable than copper.

The Poke zone was a more extensive but patchy mineralized zone that contained strong lead-zinc and silver values. Silicification and pyritization are concentrated within 10-15 meters of the contacts of the granitic sill.

Samples collected in 1996-1997 produced similar results to those obtained by Atlas and Noranda. Selected sample results and descriptions for the recent samples are listed in Table IV below:

TABLE IV
SELECTED SAMPLE VALUES

SAMPLE NUMBER	WIDTH M	AU PPM	AG PPM	CU PPM	AS PPM	PB PPM	ZN PPM
231432*	1.0	240	105	10170	1.3%	1160	2860
231441*	GRAB	170	75	8940	21.5%	900	1340
515472**	GRAB	865	34.0	2400	>10000	266	220
517932**	GRAB	20	86.6	1.8%	84	36	970
517933**	1.0	<5	15.6	200	352	950	1.13%
517934**	1.5	50	114	2590	>10000	6790	878
517935**	GRAB	705	34.8	633	>10000	726	260
517936**	GRAB	140	205	2320	>10000	2.17%	1.64%
517941**	GRAB	10	92	776	1925	2.44%	1.81%
37401***		1290	60.6	5777	17.8%	2182	1261
37410***		145	63.2	1.51%	6.1%	206	1172
37482***		225	118.4	901	8.36%	1.18%	1201
37485***		10	606.8	2279	5165	9.63%	3.94%

Samples taken by Hastings Man. (*), Viceroy (**), Teck (***)

GEOCHEMICAL AND GEOPHYSICAL SURVEYS 1966-1967 & 1989

Assessment reports were reviewed in the preparation of this report and the Noranda geochemical data and Atlas geophysical data were reinterpreted to produce compilation maps, Figures 6-8 contained in Appendix I. The contour geochemical plots show the strong east-west anomalous trend overlying the intrusive rocks over a 3.0 km length. The stronger IP, electromagnetic and magnetometer responses are plotted on Figure 8. The geophysical anomalies are patchy but moderately coincidental with the intrusive unit and the strong east-west faults transecting the PIKE property.

DISCUSSION AND RECOMMENDATIONS

Newrise holds a promising prospect and there is good potential for discovering additional copper-silver mineralization on the PIKE property. Geochemical and geophysical surveys are the most effective methods of locating mineralization and drill targets. Two main zones have been delineated by past geochemistry and bulldozer trenching. To date, numerous rock and chip samples of the mineralization have produced sub-economic copper, lead, zinc and silver grades. However, the extent of the anomalies and the possibility of structurally controlled epithermal style mineralization suggest a favorable setting for further exploration.

Prior to diamond drilling, the assessment data should be compiled in a computerized database followed by IP and/or max-min surveys over the anomalous zones. The existing target areas are mineralized zones along the footwall contact of the sill at the Pike and Poke zones.

Two main target areas are identified on the property.

- 1) Pike zone (Anomaly A): Outlined by a multi-element geochemical anomaly, sinuous and patchy magnetic highs, moderate EM conductor and sulphide mineralization exposed in eight bulldozer trenches and intersected in one drill hole.
- 2) Poke zone (Anomalies B & C): Outlined by a strong multi-element geochemical anomaly, a broad magnetic low and several moderate strength EM responses over a 3.0 km length. Two drill holes and five bulldozer trenches expose disseminated sulfides along narrow NE trending fractures and shears in this zone.

The following exploration program is recommended.

PROPOSED EXPLORATION PROGRAM

Compilation and interpretation of existing assessment data followed by grid development (cutlines) over selected portions of the anomalies. The old Atlas baseline and cut gridlines may be usable after slashing and chaining. IP and/or max-min surveys are recommended over the anomalies to facilitate drill site selection.

Diamond drilling, 300 meters on geophysical and geological targets.

EXPLORATION PROGRAM BUDGET

Computerized database	7,500.00
Diamond drilling, 300 meters at \$120/m	36,000.00
Geological supervision and management	10,000.00
Surface exploration, line cutting, 15 km	9,000.00
Geophysical surveys, IP and/or max-min, 15 km	17,000.00
Camp, supplies and support	15,000.00
Transportation, helicopter, 60 hours at \$750/hour	45,000.00
Geochemistry, assays	3,000.00
Report, maps & assessment	<u>7,500.00</u>
sub total	\$150,000.00
Contingency, 10%	<u>15,000.00</u>
TOTAL	\$165,000.00

CERTIFICATE

I, GRAHAM DAVIDSON, of the City of Whitehorse in the Yukon Territory, HEREBY CERTIFY:

1. That I am a consulting geologist and that I reviewed data provided by Hastings Management Corp., Viceroy International Exploration, Teck Exploration Ltd. and M. Barker during preparation of this report.
2. That I am a graduate of the University of Western Ontario (H. BSc., Geology, 1981).
3. That I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (No.42038).
4. That I have been engaged in mineral exploration for fourteen years in the Yukon, the Northwest Territories and British Columbia.

SIGNED at Whitehorse, Yukon, this 10th day of February, 1998.

G.S. DAVIDSON, P. Geol.

A handwritten signature in cursive script, appearing to read "G. Davidson", is written over a circular stamp. The stamp contains some illegible text and a central emblem, possibly a professional seal or organizational logo.

REFERENCES

Brock J.S., 1967; Geological and Geophysical Report on the Pike Property for Atlas Explorations Ltd.

Geological Survey of Canada, Open File 1649, Regional Stream Sediment and Water Geochemical Data, Southeastern Yukon.

Glambos K.D., 1990; Geological and Geochemical Report on the Anky 1-32 Claims for Noranda Exploration Co. Ltd.

Johnston S. & Mortenson J., 1994; Regional setting of porphyry Cu-Mo deposits, volcanogenic massive sulfide deposits, and mesothermal gold deposits in the Yukon-Tanana terrane, Yukon

Kidlark R.G., 1981; Report on Proposed 1981 Exploration Program for Cima Resources Ltd.

Read, W.S., 1979; Report on the Mount Hundere and Traffic Mountain Area Claim Groups for Cima Resources Ltd.

Smith C.L., 1967; Report on Bulldozer Trenching, Engineering Evaluation and Diamond Drilling on the Pike Mineral Claim Group for Atlas Explorations Ltd.

Temple-Man-Kluit D., 1975, Map 12-1961

Van Angeren, P., 1996; Summary Report on the Pike Property for Hastings Management Corp.

Vopel I., 1981; Diamond Drill Logs for Cima Resources Ltd.

Yukon Minfile, DIAND, 1997

PIKE-STATEMENT OF COSTS

Hastings Management Corp.

Period: September 3-4, 1996: Trench sampling, prospecting

Personnel:

Geologists

Phil Van Angeren, consulting geologist, 2 days @ \$350/day 700.00

Prospector

P. Risby, 2 days @ \$300/day 600.00

M. Barker, 2 days @ \$300/day 600.00

Total Wages \$1,900.00

Transportation: Helicopter, Trans North Air Ltd. (4 hrs.) 3,200.00

Truck, fuel 400.00

Total Transport \$3,600.00

Accommodations: Welcome Inn

Analytical services: 15 rock samples, Chemex Labs Ltd. 300.00

Summary Report: P. Van Angeren 1,500.00

SUB TOTAL \$7,300.00

Teck Exploration Ltd.

Period: June 25 & 27, 1997, Property Inspection

Personnel:

Geologists

Jean Poulter, senior geologist, 2 days @ \$300/day 600.00

Lyn Grexton, geologist, 2 days @ 250/day 500.00

Prospector

P. Risby, 2 days @ \$300/day 600.00

Total Wages \$1,700.00

Transportation: Helicopter, Trans North Air Ltd. (4 hrs.) 2,835.00

Total Transport \$2,835.00

Analytical services: 42 rock samples, Ecotech Labs Ltd. 840.00

SUB TOTAL \$5,375.00

Viceroy International Exploration

Period: July 21-22, 1997 Property Inspection

Personnel:

Geologists

Carl Shulze, senior geologist, 1.5 day @ \$300/day	450.00
Gordon Macintosh, geologist, 1.5 day @ \$300/day	450.00
Technical assistants, 3 days @ 175/day	525.00

Prospector

P. Risby, 1 day @ \$300/day	<u>300.00</u>
Total Wages	\$1,725.00

Transportation: Helicopter, Fireweed Helicopters (6.6 hrs.)	<u>4,455.00</u>
Total Transport	\$4,455.00

Analytical costs, 17 rock samples	340.00
68 soil samples	1,360.00

SUB TOTAL	\$7,880.00
------------------	-------------------

Newrise Resources (P. Risby)

Period: July 11 & Aug. 1, 1997: Trench sampling, prospecting

Personnel:

Prospector

P. Risby, 2 days @ \$300/day	600.00
M. Barker, 2 days @ \$300/day	<u>600.00</u>
Total Wages	\$1,200.00

Transportation: Helicopter, Trans North Air Ltd. (5.4 hrs.)	4,260.00
Truck, fuel	<u>400.00</u>
Total Transport	\$4,660.00

Accommodations: Welcome Inn

Analytical services: 24 samples, Northern Analytical Ltd.	480.00
--	--------

SUB TOTAL	\$6,340.00
------------------	-------------------

TOTAL COSTS	<u>\$26,895.00</u>
--------------------	---------------------------

COSTS APPORTIONED BY WORK CLAIMS

PIKE 1 (YB87183)-45 ROCK SAMPLES OUT OF A TOTAL OF 92 ROCK SAMPLES.
Amount apportioned 50% of Total Costs = \$13,447.50

PIKE 2 (YB87184)-6 ROCK SAMPLES OUT OF A TOTAL OF 92 ROCK SAMPLES.
Amount apportioned 7.5% of Total Costs = \$2,017.12

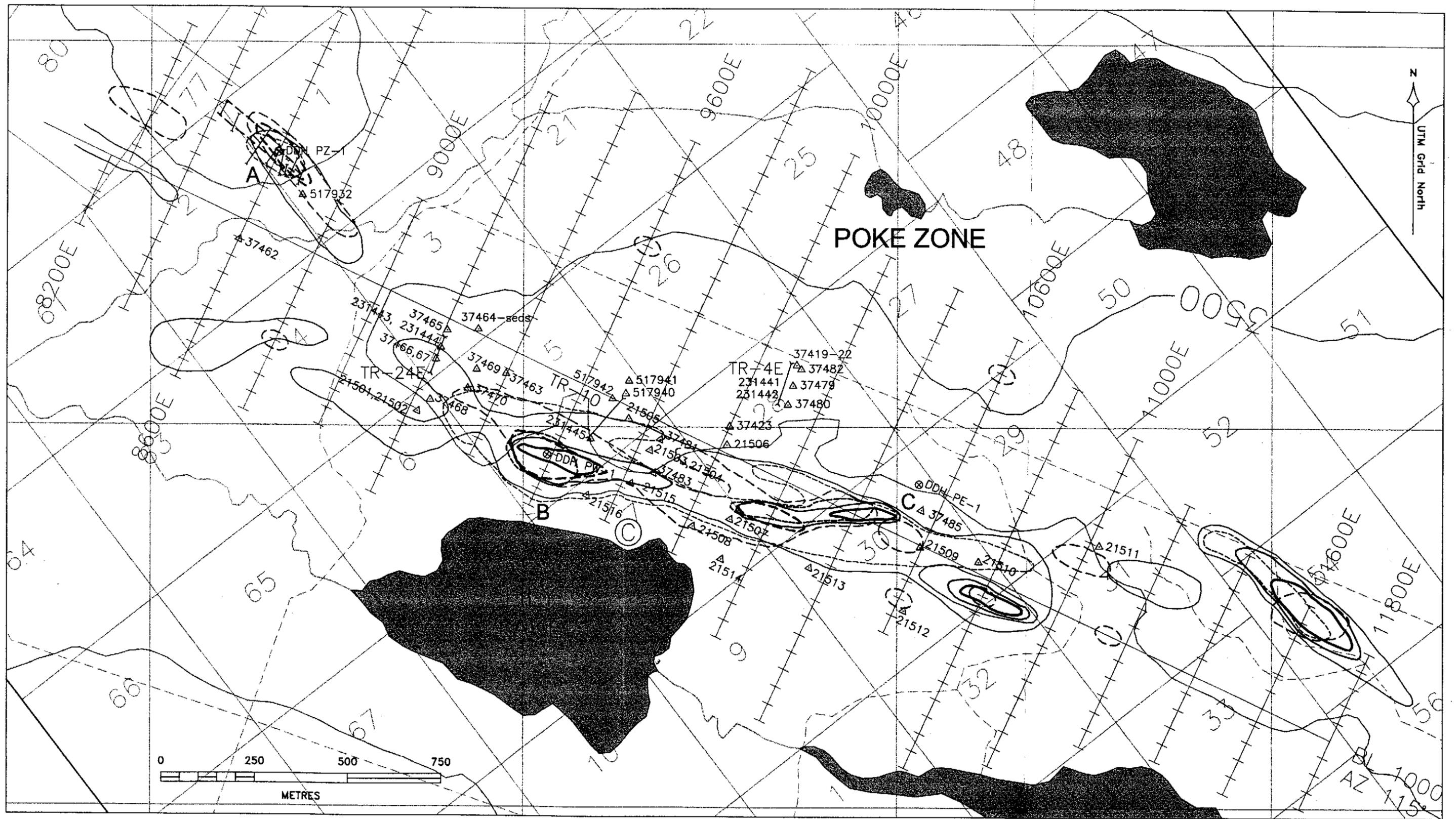
PIKE 5 (YB87187)-8 ROCK SAMPLES OUT OF A TOTAL OF 92 ROCK SAMPLES.
Amount apportioned 10% of Total Costs = \$2,689.50

PIKE 6 (YB87188)-3 ROCK SAMPLES OUT OF A TOTAL OF 92 ROCK SAMPLES.
Amount apportioned 2% of Total Costs = \$537.90

PIKE 7 (YB87488)-9 ROCK SAMPLES OUT OF A TOTAL OF 92 ROCK SAMPLES.
Amount apportioned 10% of Total Costs = \$2,689.50

PIKE 30 (YB87507)-4 ROCK SAMPLES OUT OF A TOTAL OF 92 ROCK SAMPLES.
Amount apportioned 5% of Total Costs = \$1,344.75

APPENDIX I-FIGURES 6-8



LEGEND

- elevation contour interval, (500 feet)
- stream, creek
- trail
- claim group boundary
- claim line
- rock sample, no.
- diamond drill hole, no.

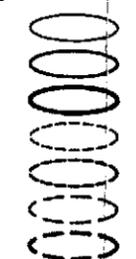
- 3500
-
-
-
-
- Δ 21501
- ⊗ DDH PE-1

- bulldozer trench
- camp location
- geologic contact, approximate

-
-
-

Geochemical Contours *

- Zn >200 ppm
- Zn >500 ppm
- Zn >1000 ppm
- Pb >100 ppm
- Pb >500 ppm
- Ag >1.0 ppm
- Ag >5.0 ppm



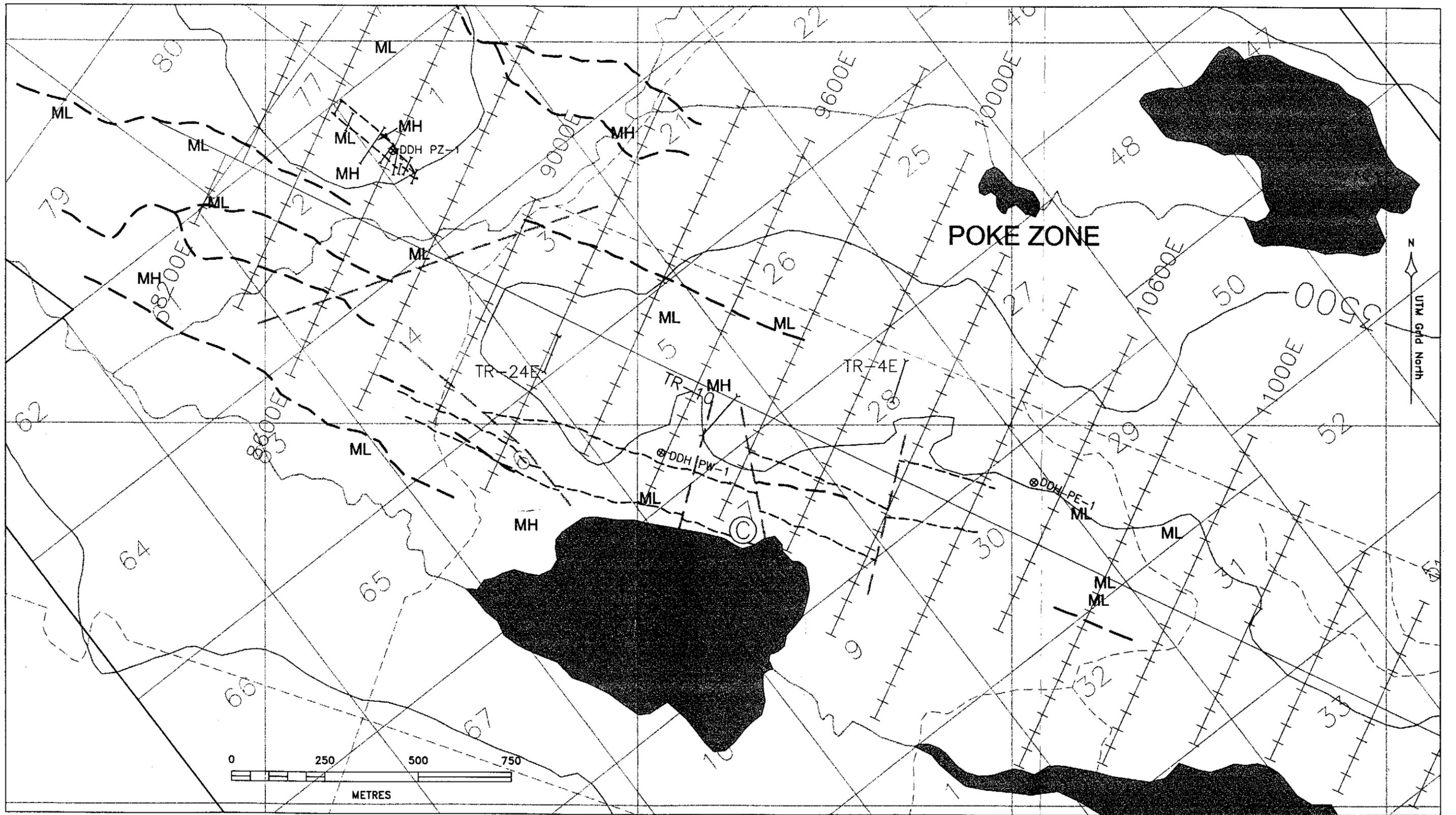
* After Noranda soil data, 1989

NEWRISE RESOURCES

**PIKE PROPERTY
COMPILATION MAP, Ag-Pb-Zn Contours**

Graham Davidson, Consulting Geologist

SCALE: 1:10,000	FILE: 245_6	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 6



LEGEND

elevation contour
interval, (500 feet)
stream, creek
trail
claim group boundary
claim line
rock sample, no.
diamond drill hole, no.

3500
—
—
—
—
—
△ 21501
⊗ DDH PE-1

bulldozer trench
camp location
Geologic contact
Fault
EM, electromagnetic conductors
CRONE EM
Mag high
Mag low

—
⊙
—
—
—
MH
ML

NEWRISE RESOURCES

PIKE PROPERTY
COMPILATION MAP, Ground Geophysical Anomalies

Graham Davidson, Consulting Geologist

SCALE: 1:10,000	FILE: 245_8	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 8

APPENDIX II-CERTIFICATES OF ANALYSIS

TABLE 1 - 1996 SAMPLE DESCRIPTIONS & ASSAYS

PIKE Claims

Sample #	Trench No	Location (m)	t (m)	Rock Type	Gold total g/T	Gold -150 g/T	Silver ppm	Copper ppm	Arsenic %	Lead ppm	Zinc ppm
PIKE Zone											
231431	Tr-40 4g	FW + 5	1.00	granite	0.07	0.07	19	760	1.3	1610	3000
231432	Tr-40 4g	FW + 10	1.00	granite	0.24	0.24	105	10170	5.7	1160	2860
231433	Tr-40 4g	FW	1.00	granite	-	-	43	1220	7.8	970	780
231434	Tr-40 4g	FW + 15	1.00	granite	0.07	0.07	98	2470	2.5	2680	3700
231435	Tr-40 4g	FW + 20	1.00	granite	0.07	0.07	24	3050	0.3	1420	1160
231436	Tr-40 4g	FW + 30	1.00	granite	0.07	0.07	71	1720	1.4	960	1660
231437	Tr-40 4g	FW + 40	1.00	granite	0.07	0.07	10	670	0.1	180	240
231438	Tr-45	FW	1.00	granite	-	-	96	1140	8.6	8010	5940
231439	Tr-43A	center	1.00	granite	0.07	0.07	16	1000	1.5	1840	1560
231440	Tr-44	center	1.00	granite	0.07	0.07	94	6830	1.4	1330	360
POKE Zone											
231441	Tr-4E	center	grab	granite	0.17	0.17	75	8940	21.5	900	1340
231442	Tr-4E	center	1.00	granite	0.07	0.07	2	150	0.0	100	100
231443	Tr-24E	FW + 5	1.00	granite	0.07	0.07	19	120	0.1	2880	900
231444	Tr-24E	FW + 20	1.00	granite	0.07	0.07	5	60	0.1	510	440
231445	Tr-10	center	1.00	granite	-	-	45	3700	12.1	1220	1040

Handwritten notes and calculations:

- 15
- 22
- 17
- 24
- 30
- 2438



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project: PIKE
Comments: ATTN:PHIL VAN ANGEREN ✓

Page Number : 1-A
Total Pages : 1
Certificate Date: 30-OCT-96
Invoice No. : 19633020
P.O. Number :
Account : JCL

CERTIFICATE OF ANALYSIS

A9633020

SAMPLE	PREP CODE	Ag ppm (AAS)	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
231431	205 234	19.0	7.20	1500	< 10	40	0.55	60	20	160	760	2.80	5.5	0.50	60
231432	205 234	105.0	6.40	1400	< 10	140	0.20	70	30	90	10170	7.80	6.1	0.20	20
231433	205 234	43.0	6.35	1700	< 10	120	0.65	60	40	120	1220	9.10	5.3	0.35	50
231434	205 234	98.0	7.15	2100	< 10	120	0.80	80	10	170	2470	3.90	6.6	0.30	80
231435	205 234	24.0	7.45	1600	< 10	60	0.65	10	10	150	3050	1.90	6.3	0.40	60
231436	205 234	71.0	6.15	1700	< 10	20	0.50	40	< 10	180	1720	2.25	6.1	0.20	50
231437	205 234	10.0	7.55	1500	< 10	< 20	0.55	< 10	< 10	130	670	2.00	6.0	0.45	60
231438	205 234	96.0	2.90	900	< 10	180	0.60	130	40	190	1140	8.60	1.7	0.25	60
231439	205 234	16.0	9.45	3200	< 10	20	1.15	30	< 10	30	1000	1.75	10.3	0.30	110
231440	205 234	94.0	9.10	3800	< 10	60	0.10	10	10	40	6830	3.40	10.3	0.05	< 10
231441	205 234	75.0	5.65	700	< 10	200	0.45	70	< 10	40	8940	19.85	3.1	0.05	30
231442	205 234	2.0	8.00	1300	< 10	< 20	1.30	< 10	< 10	170	150	2.55	3.7	0.65	170
231443	205 234	19.0	10.85	1900	< 10	< 20	0.60	< 10	< 10	40	120	7.25	5.4	0.85	610
231444	205 234	5.0	7.05	600	< 10	20	0.10	< 10	< 10	170	60	1.60	3.6	0.20	90
231445	205 234	45.0	6.60	1200	< 10	120	0.50	40	10	90	3700	13.30	5.2	0.30	70

CERTIFICATION:

Stuart Buchler

JAN 09 '97 11:37 FR HASTINGS MGMT CORP 604 685 3764 TO 1403662467

P.19/20



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HASTINGS MANAGEMENT CORP.
1000 - 875 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project: PIKE
Comments: ATTN: PHIL VAN ANGEREN

Page Number : 1-B
Total Pages : 1
Certificate Date: 30-OCT-98
Invoice No. : 19833020
P.O. Number :
Account : JCL

CERTIFICATE OF ANALYSIS A9633020

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)	As %	Hg %				
231431	205 234	< 10	0.35	< 10	0.161	170	0.20	40	3000	1.28	< 0.001				
231432	205 234	< 10	0.40	< 10	0.116	200	0.10	30	2060	5.73	< 0.001				
231433	205 234	< 10	0.60	10	0.097	220	0.15	40	780	7.80	< 0.001				
231434	205 234	< 10	0.60	< 10	0.268	260	0.20	40	3700	2.52	< 0.001				
231435	205 234	10	0.55	< 10	0.142	200	0.20	30	1160	0.27	< 0.001				
231436	205 234	< 10	0.25	< 10	0.096	140	0.10	30	1660	1.40	< 0.001				
231437	205 234	< 10	0.75	< 10	0.018	240	0.20	30	240	0.05	< 0.001				
231438	205 234	< 10	0.45	< 10	0.801	130	0.05	10	5940	8.56	< 0.001				
231439	205 234	< 10	0.40	< 10	0.184	330	0.20	50	1560	1.48	< 0.001				
231440	205 234	< 10	0.40	< 10	0.133	400	0.10	10	360	1.42	< 0.001				
231441	205 234	< 10	0.96	< 10	0.090	230	0.15	30	1340	21.5	< 0.001				
231442	205 234	< 10	1.50	< 10	0.010	250	0.25	50	100	0.03	< 0.001				
231443	205 234	< 10	0.35	< 10	0.288	110	1.25	240	900	0.09	< 0.001				
231444	205 234	< 10	1.40	< 10	0.051	70	< 0.05	< 10	440	0.10	< 0.001				
231445	205 234	< 10	0.75	< 10	0.122	250	0.15	10	1040	12.10	< 0.001				

CERTIFICATION: Hart Buchler

JAN 09 '97 11:38 FR HASTINGS MGMT CORP 604 685 3764 TO 14036682467 P. 20/20



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HASTINGS MANAGEMENT CORP. ##

1000 - 875 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project: PIKE
Comments: ATTN:PHIL VAN ANGEREN

Page Number : 1
Total Pages : 1
Certificate Date: 28-SEP-96
Invoice No. : 19633019
P.O. Number :
Account : JCL

CERTIFICATE OF ANALYSIS A9633019

SAMPLE	PREP CODE	Au tot g/t	Au - g/t	Au + mg	Wt. - GRAMS	Wt. + GRAMS					
231431	3288 294	< 0.07	< 0.07	< 0.002	1082	18.68					
231432	3288 294	0.24	0.24	0.002	1228	12.16					
231433	3288 294										
231434	3288 294	< 0.07	< 0.07	< 0.002	1337	6.07					
231435	3288 294	< 0.07	< 0.07	< 0.002	1281	20.95					
231436	3288 294	< 0.07	< 0.07	< 0.002	1405	6.91					
231437	3288 294	< 0.07	< 0.07	< 0.002	918	14.92					
231438	3288 294										
231439	3288 294	< 0.07	< 0.07	< 0.002	1021	14.72					
231440	3288 294	< 0.07	< 0.07	0.006	1221	8.43					
231441	3288 294	0.17	0.17	0.004	969	19.40					
231442	3288 294	< 0.07	< 0.07	< 0.002	1055	2.39					
231443	3288 294	< 0.07	< 0.07	< 0.002	1035	12.99					
231444	3288 294	< 0.07	< 0.07	< 0.002	1205	2.66					
231445	3288 294										

CERTIFICATION: *Phil Van Angeren*

JAN 09 '97 11:37 FR HASTINGS MGMT CORP 604 685 3764 TO 14036682467 P.18/20

Pike

Sample Nos	37401 - 410	(10)	
	37419 - 423	(5)	
	37451 - 460	(10)	
	37461	(soil)	(1)
	37462 - 470	(9)	
	37479 - 485	(7)	@ 20. ea
		<u>42</u>	840

Dates visited : June 25, 1997
June 27

Personnel:	Jean Pautler 2d @ 300./day	600
	Lynn Grexton 2d @ 250./day	500
	Pete Risby 2d	600

Helicopter : Trans. North \$2835. 2,835

5,375

FEED FAX THIS END

FAX

To: Graeme Davidson
Dept: Medley Batters
Fax No.: 867 668 2467

No. of Pages: 1
From: Jean Pautler
Date: 10/11/97
Company: Teck
Fax No.: 250 372 1285
Comments: Will bring pictures
To: Geoswiss
Fax No: 250 372 1285
Post-it
Fax No: 250 372 1285

9-Jul-97
ECO-TECH LABORATORIES LTD.
 10041 East Trans Canada Highway
 KAMLOOPS, B.C.
 V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 97-828R

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

Phone: 604-573-5700
 Fax: 604-573-4557

ATTENTION: JEAN PAUTLER

No. of samples Received: 25
 Sample Type: ROCK
 PROJECT #: 1389-6
 SHIPMENT #: 1

Samples submitted by: JEAN PAUTLER

Values in ppm unless otherwise reported

El#	Tag #	Au(ppb)	Ag	Al%	As	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn	
1	37401	>1000	>30	0.14	>10000	100	<5	0.04	610	288	55	5777	>10	<10	<0.01	16	17	<0.01	9	<10	2182	<5	<20	6	<0.01	<10	4	<10	<1	1201	
2	37402	155	>30	0.15	>10000	50	<5	0.08	<1	15	84	>10000	6.45	<10	<0.01	10	0	<0.01	3	>10000	780	<5	60	3	<0.01	<10	2	<10	<1	1550	
3	37403	260	>30	0.08	>10000	55	<5	<0.01	719	37	149	>10000	>10	<10	<0.01	132	2	<0.01	6	<10	>10000	<5	<20	11	<0.01	<10	2	<10	<1	>10000	
4	37404	20	2.0	0.61	6925	45	<5	0.58	<1	16	91	403	2.48	20	0.21	68	5	<0.01	8	440	104	<5	<20	10	<0.01	<10	7	<10	20	498	
5	37405	205	>30	0.18	>10000	50	<5	0.03	<1	25	84	1771	4.58	<10	<0.01	21	6	<0.01	3	190	792	<5	<20	8	<0.01	<10	3	<10	<1	114	
6	37406	5	>30	0.30	725	50	<5	0.42	2	1	107	3188	1.20	10	0.15	28	5	<0.01	3	409	498	<5	<20	4	<0.01	<10	3	<10	16	427	
7	37407	5	>30	0.03	7580	15	180	2.50	65	6	228	311	1.17	<10	<0.01	173	9	<0.01	5	<10	6520	<5	<20	53	<0.01	<10	1	<10	<1	4060	
8	37408	5	0.8	1.31	145	45	<5	0.84	2	7	122	185	3.28	20	0.49	78	3	0.09	4	410	56	<5	<20	39	0.12	<10	21	<10	29	86	
9	37409	5	<0.2	1.99	60	60	<5	0.99	3	10	112	142	3.75	<10	0.86	122	5	0.18	6	450	32	<5	<20	78	0.06	<10	31	<10	20	217	
10	37410	145	>30	0.29	>10000	70	<5	2.30	<1	108	34	>10000	>10	10	<0.01	75	11	<0.01	2	<10	206	<5	<20	75	<0.01	<10	2	<10	<1	1172	
11	37411	5	0.6	1.25	<5	140	55	0.12	283	30	58	1258	>10	<10	1.02	351	17	<0.01	21	70	66	<5	<20	7	<0.01	<10	16	<10	<1	>10000	
12	37412	5	>30	3.88	25	70	<5	0.58	524	42	145	>10000	>10	<10	1.47	4470	<1	<0.01	21	<10	>10000	<5	40	10	0.35	<10	65	<10	<1	>10000	
13	37413	5	>30	3.72	<5	75	<5	0.65	74	15	144	4566	>10	<10	1.70	3935	<1	0.04	22	650	1648	<5	<20	32	0.25	<10	68	340	<1	4669	
14	37414	5	2.0	3.83	20	120	<5	2.56	2	14	80	77	5.10	10	1.05	652	3	0.13	4	600	130	<5	<20	72	0.18	<10	86	10	27	195	
15	37415	5	0.6	0.37	<5	35	<5	0.87	1	1	200	24	0.45	<10	0.35	159	8	0.02	6	200	20	<5	<20	16	0.02	<10	6	<10	3	74	
16	37416	5	0.4	3.91	15	100	10	2.70	<1	17	105	32	5.22	10	1.67	835	3	0.18	6	560	38	<5	<20	114	0.16	<10	84	<10	28	99	
17	37417	5	<0.2	1.80	30	220	<5	1.78	2	11	186	73	2.69	20	1.64	109	4	0.08	30	6460	18	<5	<20	40	0.14	<10	322	<10	48	65	
18	37418	5	0.8	0.18	10	25	<5	0.16	<1	1	185	9	0.80	<10	0.09	167	7	0.02	4	130	78	<5	<20	2	<0.01	<10	27	<10	4	53	
19	37419	5	2.8	0.50	100	35	<5	1.58	1	5	129	89	2.33	<10	0.20	350	8	0.02	4	270	170	<5	<20	38	0.01	<10	9	<10	28	104	
20	37420	5	0.6	0.72	<5	25	<5	1.29	<1	4	145	17	1.79	<10	0.27	396	6	0.03	5	280	48	<5	<20	28	0.03	<10	13	<10	29	51	
21	37421	5	<0.2	1.78	30	95	<5	1.31	<1	9	112	9	2.93	10	0.63	506	3	0.00	7	430	20	<5	<20	42	0.13	<10	38	20	41	30	
22	37422	5	<0.2	5.35	5	195	<5	5.12	<1	38	33	117	8.64	<10	1.55	687	<1	0.31	26	1070	38	<5	<20	379	0.29	<10	179	<10	23	62	
23	37423	5	3.2	1.33	5	75	<5	1.25	3	9	122	35	3.28	20	0.62	834	5	0.04	7	460	134	<5	<20	34	0.04	<10	32	<10	41	266	
24	37424	5	<0.2	0.08	<5	40	<5	0.02	<1	2	305	5	1.15	<10	<0.01	329	11	<0.01	10	70	<2	<5	<20	<1	<0.01	<10	4	<10	<1	<1	
25	37425	50	0.2	2.01	10	100	<5	0.04	<1	25	57	143	5.30	10	0.77	519	5	0.02	47	220	24	<5	<20	3	0.02	<10	23	<10	<1	41	
QC DATA:																															
Repeat:	1	37401	>1000	>30	0.1	>10000	80	<5	<0.01	98	268	35	5777	>10	<10	<0.01	<1	17	<0.01	7	<10	2182	<5	<20	2	<0.01	<10	2	<10	<1	1261
Repeat:	1	37401	>1000	>30	0.10	>10000	85	<5	0.01	994	228	53	5297	>10	<10	<0.01	3	15	<0.01	5	<10	2090	<5	<20	4	<0.01	<10	2	<10	<1	1161
Repeat:	10	37410	155	>30	0.31	>10000	70	<5	2.43	<1	108	36	>10000	>10	20	<0.01	83	11	0.01	4	<10	204	<5	<20	77	<0.01	<10	3	<10	<1	1211
Repeat:	19	37419	20	2.0	0.50	100	35	<5	1.68	2	5	135	80	2.52	<10	0.22	382	7	0.02	5	290	189	<5	<20	41	0.01	<10	10	<10	26	111
Standard:	GEO-97	150	1.4	1.73	55	155	<5	1.98	<1	18	82	78	4.04	<10	0.90	653	<1	0.02	24	810	22	<5	<20	63	0.12	<10	76	<10	18	65	

Pike
 Primo
 Primo
 Primo
 SASK
 Pike
 Riddell
 Squawak

ECO-TECH LABORATORIES LTD.
 Frank J. Pezzotti, A.Sc.T.
 B.C. Certified Assayer

11-Jul-97

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 97-629

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

Phone: 604-573-5700

ATTENTION: JEAN PAUTLER
No. of samples Received: 31
Sample Type: ROCK
PROJECT #: 1399-8
SHIPMENT #: 1
Sample submitted by: JEAN PAUTLER

Values in ppm unless otherwise reported

Et #	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Cs %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	37462	5	2.4	3.62	190	60	5	1.37	80	12	70	120	4.48	<10	2.65	518	2	0.21	27	720	162	45	<20	124	0.11	<10	106	<10	3	6289
2	37463	NO SAMPLE																												
3	37464	5	14.4	3.72	20	50	<5	2.38	97	13	38	415	6.41	<10	0.73	342	<1	0.31	15	890	7700	5	<20	178	0.09	<10	21	<10	<1	5484
4	37465	5	0.4	1.74	30	75	<5	0.84	1	5	61	38	2.49	<10	0.61	198	<1	0.12	2	440	120	<5	<20	51	0.10	<10	31	<10	23	78
5	37466	5	4.8	0.92	1680	45	<5	0.46	<1	5	56	162	2.75	<10	0.38	73	1	0.06	6	370	342	5	<20	20	0.04	<10	14	<10	19	517
6	37467	5	2.6	0.53	85	35	<5	1.14	7	5	62	181	3.05	20	0.18	62	5	0.03	6	470	152	<5	<20	28	<0.01	<10	7	<10	33	396
7	37468	5	12.4	0.41	1750	45	<5	0.31	39	3	41	281	3.15	<10	0.15	41	1	0.02	2	440	538	10	<20	16	<0.01	<10	5	<10	7	3098
8	37469	5	>30	3.67	55	50	<5	2.04	209	12	81	431	7.35	<10	2.13	634	<1	0.29	13	1280	>10000	65	<20	120	0.15	<10	40	<10	<1	>10000
9	37470	75	21.8	0.46	>10000	45	<5	0.24	<1	20	27	2022	8.46	<10	0.13	31	7	0.03	4	300	514	105	<20	17	<0.01	10	9	<10	<1	250
10	37471	5	25.6	2.81	155	45	<5	0.56	237	13	70	1237	>10	<10	1.55	2515	<1	0.07	11	680	656	<5	<20	52	0.15	<10	46	<10	<1	>10000
11	37472	5	>30	5.45	60	45	<5	0.21	>10000	82	41	>10000	>10	<10	2.32	5599	<1	<0.01	6	<10	>10000	<5	<20	<1	0.04	<10	85	<10	<1	>10000
12	37473	730	>30	1.57	<5	50	<5	1.24	11	70	22	>10000	>10	<10	0.51	745	9	0.03	12	<10	330	<5	<20	28	0.06	<10	11	<10	<1	459
13	37474	5	1.2	1.37	20	35	<5	0.16	<1	36	130	180	3.67	<10	0.66	1058	4	0.01	30	810	128	<5	<20	5	<0.01	<10	17	<10	<1	126
14	37475	5	0.8	0.24	25	610	<5	0.03	<1	<1	137	96	0.82	<10	0.04	39	51	<0.01	10	210	38	15	<20	15	<0.01	<10	175	<10	6	86
15	37475	5	0.8	0.31	20	55	<5	0.74	1	2	157	97	0.49	<10	0.45	153	3	0.02	5	210	48	5	<20	13	0.01	<10	10	<10	6	124
16	37477	5	1.0	3.17	10	75	<5	1.98	2	12	78	115	4.14	<10	1.34	425	2	0.13	2	490	80	5	<20	81	0.08	<10	56	<10	24	202
17	37478	5	0.8	0.26	15	185	<5	0.17	2	1	153	104	0.56	<10	0.30	120	2	0.01	4	130	58	5	<20	27	0.02	<10	10	<10	3	185
18	37479	15	>30	0.46	>10000	55	<5	0.61	240	21	41	2268	>10	<10	0.43	1354	<1	<0.01	4	<10	>10000	350	1700	<1	0.02	<10	11	<10	<1	>10000
19	37480	5	>30	2.15	825	<5	<5	1.41	202	9	68	529	7.22	<10	3.23	2686	<1	<0.01	3	600	>10000	110	500	<1	0.09	<10	26	<10	<1	>10000
20	37481	5	4.8	0.52	95	35	<5	0.81	9	4	83	152	3.08	<10	0.17	423	3	0.01	5	300	506	75	<20	10	<0.01	<10	7	<10	16	763
21	37482	225	>30	0.35	>10000	55	<5	0.22	<1	27	72	901	>10	<10	<0.01	44	14	<0.01	3	<10	>10000	680	1240	32	<0.01	20	2	<10	<1	1201
22	37483	5	18.6	1.03	1975	30	<5	0.57	<1	8	69	86	2.31	<10	0.34	587	2	0.06	6	350	985	20	<20	32	0.05	<10	16	<10	17	281
23	37485	10	>30	0.06	5165	55	75	0.02	428	12	18	2279	>10	<10	<0.01	615	<1	<0.01	2	<10	>10000	1420	1760	2	<0.01	20	2	<10	<1	>10000
24	37486	5	1.8	0.16	70	65	<5	0.02	<1	2	177	23	0.81	<10	0.09	208	4	<0.01	9	100	244	<5	<20	2	<0.01	<10	4	<10	<1	127
25	37487	5	0.4	0.04	30	30	<5	<0.01	<1	3	182	15	0.46	<10	<0.01	208	3	<0.01	4	60	38	<5	<20	<1	<0.01	<10	1	<10	<1	33

02/05/98 14:53 TECK EXPLORATION-KAMLOOPS 250 372 1285 P. 002

17-Jul-97

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 97-627

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

Phone: 604-573-5700
Fax : 604-573-4557

ATTENTION: JEAN PAUTLER

No. of samples Received: 9
Sample Type: ROCK
PROJECT #: 1389-8
SHIPMENT #: 1
Sample submitted by: JEAN PAUTLER

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	37451	5	<0.2	2.24	35	80	<5	>10	<1	8	40	18	1.81	<10	1.68	1231	<1	0.14	13	840	22	60	<20	386	0.09	<10	65	<10	20	58
2	37452	5	29.8	1.84	470	95	<5	0.56	34	5	113	223	4.48	<10	1.83	194	3	0.08	4	750	>10000	200	<20	83	0.12	<10	71	<10	9	1951
3	37453	5	5.6	1.17	9250	<5	<5	0.60	<1	<1	81	70	2.88	<10	0.45	46	3	0.07	6	<10	<2	95	<20	<1	0.03	<10	37	<10	<1	30
4	37455	105	>30	0.02	>10000	<5	190	0.20	688	17	154	69	7.43	<10	<0.01	73	29	<0.01	21	110	4492	855	<20	<1	<0.01	<10	10	<10	6	925
5	37455	10	>30	0.14	2250	<5	<5	0.20	6	<1	144	742	0.80	10	0.03	35	6	<0.01	3	210	1384	365	<20	<1	<0.01	<10	21	<10	47	1408
6	37457	5	0.2	2.20	45	105	<5	1.07	<1	8	149	97	2.60	<10	0.74	202	2	0.14	4	460	24	20	<20	72	0.15	<10	43	<10	45	29
7	37458	5	0.4	1.27	25	60	<5	1.07	<1	7	108	153	2.80	<10	0.58	89	<1	0.10	4	420	28	15	<20	33	0.13	<10	29	<10	52	20
8	37459	5	1.8	2.82	300	55	<5	1.46	20	8	125	180	3.31	<10	1.82	187	11	0.14	23	1850	136	40	<20	137	0.11	<10	140	<10	36	1483
9	37480	10	>30	0.06	3655	15	<5	4.11	18	2	158	3120	1.28	<10	0.03	573	4	<0.01	2	<10	3224	420	<20	79	<0.01	<10	2	<10	2	2182

QC DATA:

Repeat:																															
1	37451	5	<0.2	2.32	30	95	10	>10	<1	9	44	20	2.01	<10	1.85	1310	<1	0.17	18	880	24	70	<20	388	0.11	<10	75	<10	24	64	
Repeat:																															
1	37451	5	0.2	2.44	40	85	<5	>10	<1	8	42	24	1.79	<10	1.74	1235	<1	0.15	12	840	28	55	<20	407	0.11	<10	68	<10	28	58	
Standard:																															
	GEO'97	-	1.4	1.89	75	165	<5	1.95	<1	18	60	89	3.98	<10	1.00	671	<1	0.03	25	650	24	5	<20	62	0.14	<10	81	<10	10	65	

dl/627A
XLS/87Teck
fax: 372-1285


ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer



ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (250) 573-5700
Fax (250) 573-4557

CERTIFICATE OF ASSAY AK 97-626 & 629

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

15-Jul-97

ATTENTION: JEAN PAUTLER
Sample Type: ROCK
PROJECT #: 1389-8
SHIPMENT #: 1
Samples submitted by: JEAN PAUTLER

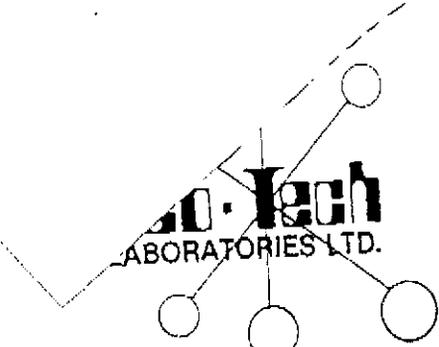
Pyke

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Cd (%)	Cu (%)	Pb (%)	Zn (%)
626-1	37401	1.29	0.038	60.6	1.8	17.80				
626-2	37402			128.2	3.7	1.85		3.58		
626-3	37403			367.2	10.7	5.63		1.42	2.04	5.23
626-5	37405			60.4	1.8	2.90				
626-6	37406			30.3	0.9					
626-7	37407			94.2	2.7					
626-10	37410			63.2	1.8	6.10		1.51		
626-11	37411			617.2	18.0					2.38
626-12	37412			394.2	11.5			1.58	2.61	4.78
<i>Primo</i> 626-13	37413			40.6	1.2					
<i>Pyke</i> 629-8	37469			40.6	1.18				1.83	1.44
629-9	37470					5.98				
<i>Primo SE</i> 629-10	37471	<i>1.5m chip</i>								2.06
<i>Primo W</i> 629-11	37472	<i>boulders from upstream</i>					0.12	2.82	8.89	8.63
<i>Primo W</i> 629-12	37473	<i>boulders</i>		68.3	1.99			5.56		
<i>Pike E</i> 629-18	37479			422.7	12.33	1.31			7.24	3.51
629-19	37480			140.2	4.09				2.48	2.38
629-21	37482			118.4	3.45	8.36			1.18	
<i>But Rky</i> 629-23	37485			606.8	17.70				9.63	3.94

→ Pete - looks like you've won 2 bottles of rum!

[Signature]
ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 8T4 Phone (250) 573-5700
Fax (250) 573-4557



Eco-Tech
LABORATORIES LTD.

CERTIFICATE OF ASSAY AK 97-627

18-Jul-97

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

ATTENTION: J. Pautler

No. of samples: 3
Sample Type: Rock
PROJECT #: 1389-8
SHIPMENT #: 1
Samples submitted by: J. Pautler

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)
2	37452	-	-	-	1.14
4	37455	51.3	1.50	7.16	-
5	37456	31.6	0.92	-	-
9	37460	61.6	1.80	-	-

QC DATA:

Standard:

Mpl	70.0	2.04	-	4.33
Cd-1	-	-	0.66	-



ECO-TECH LABORATORIES LTD.

Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/97Teck
fax: @ 372-1285

Carl Schulze
Viceroy International Exploration
35 Dawson Rd
Whitehorse, Yukon. Y1A 5T6

Mr. Morley Barker
Newrise Resources JV
5 Teak Ave.
Whitehorse, Yukon
(867) 633 2974

Nov. 3, 1997

Dear Mr. Barker;

Thank you for offering the PIKE Property to Viceroy International Exploration Inc. for possible acquisition or option.

Viceroy International Exploration Inc. will not be pursuing an option agreement with Newrise Resources JV at the present time. However, please keep us informed of developments and future assay results obtained from the PIKE Property or any other of your holdings.

You may use the following work for assessment credits:

6.6 hrs helicopter time @ \$675/hr: (including fuel @ \$800/hr: \$5280.00)	\$4455.00
3 man-days of geologic services provided by Viceroy at \$300/day:	\$900.00
3 man-days of technical assistant services provided by Viceroy at \$175/day:	\$525.00
17 rock samples taken and analysed @ \$20/sample, including shipping:	\$340.00
68 soil samples taken and analysed at \$20/sample:	\$1360.00
1 silt sample taken and analysed at \$20/sample:	\$20.00
Total:	\$7600.00

Wishing you the best of luck on your future exploration programs, I remain;

Sincerely Yours,



Carl Schulze, Senior Geologist
Viceroy International Exploration

Rock Sample Description Sheet

Sample No	Traverse	Zone	Sample type	Width (m)	Sample Desc.	Fm.	Lithology	Modifier	Colour	Carb. Presence	Silicification	Argillic Alt.	Potassic Alt.	Phyllic Alt.	Limonite	Mineral #1	Amount %	Mineral #2	Amount %	Other Mineral	Amount %	Date	Sampler	Comments
M517934R	PK	9c		1.5	Oc		SLT	Sr	tan		S3	A1				P	5	Gn	2	As	5	28/7/97	GDM	Contact skarn? 15% mineralization
M517938R	PK	9c		0.5	Oc		Qtz	vein	gry		S2					As	50					28/7/97	GDM	Qtz-arseno vein
M517939R	PK	9c		1	Oc		LAQM	Mass	gry		S2				wk	P	5	As	1			28/7/97	GDM	Wall rock to M517938R
M517931R	PK	9g			Oc	OSDr	SST	Brec	brn		S3	A3			str	P	1	Cp	<1			28/7/97	CS	SST along Kqm cont. frac cont P, C
M517932R	PK	9g			Tr	OSDr	CH	Brec	lgy		S3	A1			str	Cp	2	P	<1			28/7/97	CS	CH + SST? frac cont sulphides
M517933R	PK	9c		1	Oc	OSDr	SST	Frac	blk		S2				str	Po	6	Ga	3	P	3	28/7/97	CS	Locally massive Py + Ga
M517935R	PK	9g			Tr	Kqm	Vn	Gouge	grn		S1	A4				As	10					28/7/97	CS	Arseno - scorodite vein gouge
M517936R	PK	9g			Tr	Kqm	QBM	Frac	lgy		S3	A2				As	25	Cp	1	Ga	<1	28/7/97	CS	Sheeted fracture cont. sulphides
M517937R	PK	9g			Tr	Kqm	QBM	Frac	buff	C1	S3	A2			tr	As	4	Cp	2	P	3	28/7/97	CS	Fracture cont. sulphides
M517940R	PK	9c		1	Oc	Kqm	QBM	Fol	tan		S1	A2			wk							28/7/97	CS	Fract. cont. argillic alt; Central Sho
M517941R	PK	9g			Tr	DMe	SH	Frac	blk	C3	S3				wk	Po	6	Ga	5	P	2	28/7/97	CS	Fracture cont sulphides, trench "pu
M517942R	PK	9g			Oc	DMe	GW	Frac	dgy	C1	S2				mod	Po	1	Py	2			28/7/97	CS	Fract cont. Po; Py fract cont + diss
M515470R	PK	9c		2	tr	Kqm	QBM	Jted	lgy		S2				mod	As	3	Po	3	Cp	tr	16/7/97	CS	Jt cont As vns crosscutting dyke
M515471R	PK	9c		1	tr	Kqm	QBM	Jted	lgy		S2				mod	As	2	Po	3	Cp	<1	16/7/97	CS	Near M515470R; similar fabric
M515472R	PK	9			lr	Kqm	Vn	Band	dgy						mod	As	50	Po	3	Cp		16/7/97	CS	Higrade of trench material M51547
M519368R	PKB	9g			Oc	OSDr	SS	Horn	gry	C1	S1					Po	1							
M519369R	PKB	9c		0.3	Oc	OSDr	SLT	Frac	gry		S1					P	3							



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Banksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-684-0221 FAX: 604-684-0218

0: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
 DAWSON CITY, YT
 Y0B 1G0

Project: 4340 03 5333
 Comments: ATTN: RICK DIMENTL JAMRICH

Page: 4-A
 Total Pages: 5
 Certificate Date: 19-AUG-97
 Invoice No.: 19736081
 P.O. Number:
 Account: OGN

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9736081

SAMPLE	PREP CODE	As 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 ppb	K %	La ppm	Mg %	Mn ppm
MS17935R	205 226	705	34.8	0.12	>10000	10	< 0.5	126	0.03	5.5	1	< 1	633	12.80	< 10	40	0.07	< 10	0.01	20
MS17936R	205 226	140	>100.0	0.13	>10000	20	< 0.5	686	< 0.01	>100.0	24	37	2320	10.10	< 10	140	0.12	< 10	0.01	10
MS17937R	205 226	30	57.6	0.16	5790	50	< 0.5	62	0.21	52.0	< 1	89	1690	1.52	< 10	20	0.15	< 10	0.03	25
MS17938R	205 226	500	62.8	0.24	>10000	20	< 0.5	224	0.03	11.0	239	16	3820	12.65	< 10	30	0.11	< 10	0.05	10
MS17939R	205 226	5	23.8	1.41	596	170	< 0.5	16	0.51	1.0	5	65	644	2.90	< 10	10	0.28	< 10	0.49	75
MS17940R	205 226	< 5	3.4	0.41	1220	60	< 0.5	2	0.03	3.5	1	106	54	1.18	< 10	< 10	0.22	< 10	0.03	40
MS17941R	205 226	10	>100.0	1.97	1925	30	0.5	< 2	2.44	>100.0	6	44	776	8.80	< 10	60	0.13	10	1.48	2710
MS17942R	205 226	< 5	0.4	2.75	62	150	< 0.5	< 2	1.01	1.0	19	130	42	1.38	< 10	< 10	0.68	10	1.07	195
MS17931R	205 226	< 5	52.4	0.68	2900	80	< 0.5	50	0.45	4.5	1	83	1575	7.38	10	60	0.33	< 10	0.82	135
MS17932R	205 226	20	86.6	0.62	84	50	0.5	Intf*	0.77	17.0	3	55	>10000	5.25	< 10	70	0.07	10	0.67	295
MS17933R	205 226	< 5	15.6	3.32	352	30	0.5	18	0.96	>100.0	13	63	200	7.86	< 10	20	0.85	10	1.43	575
MS17934R	205 226	50	>100.0	0.58	>10000	50	< 0.5	170	0.17	14.0	5	38	2590	7.12	< 10	60	0.31	< 10	0.22	25

11 12 13



Chemex Labs Ltd.

Analytical Chemists - Geochemists - Registered Assayers

212 Brookbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

BY: VICEROY INTERNATIONAL EXPLORATION

BAG5040
 DAVSON CITY, YT
 Y0B 60

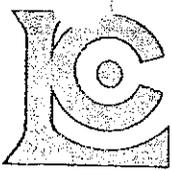
Page Number : 4-B
 Total Pages : 5
 Certificate Date: 19-AUG-97
 Invoice No. : 19736081
 P.O. Number :
 Account : OGN

Project: 4340 03 5333
 Comments: ATTN: RICK DIMENT/L. JAMRICH

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9736081

SAMPLE	PREP CODE		Mo	Mn	Al	P	Pb	Sb	Sc	Br	Ca	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
MS17935R	205	226	< 1	< 0.01	< 1	130	726	584	< 1	4	< 0.01	< 10	< 10	4	< 10	260
MS17936R	205	226	< 1	< 0.01	< 1	80	>10000	4760	< 1	8	< 0.01	< 10	< 10	3	< 10	>10000
MS17937R	205	226	< 1	< 0.01	2	250	2420	288	< 1	9	< 0.01	< 10	< 10	2	< 10	3030
MS17938R	205	226	< 1	< 0.01	1	250	1250	192	1	8	< 0.01	< 10	< 10	6	< 10	320
MS17939R	205	226	< 1	0.06	3	440	210	14	5	38	0.01	< 10	< 10	25	< 10	82
MS17940R	205	226	1	0.01	2	160	384	20	< 1	8	< 0.01	< 10	< 10	4	< 10	358
MS17941R	205	226	< 1	0.06	13	240	>10000	48	3	58	0.01	< 10	< 10	78	< 10	>10000
MS17942R	205	226	4	0.23	33	1720	30	< 2	7	135	0.01	< 10	< 10	121	< 10	82
MS17931R	205	226	8	0.05	9	540	1590	26	3	25	0.01	< 10	< 10	67	< 10	530
MS17932R	205	226	14	0.08	10	Intf*	36	< 2	1	13	0.01	< 10	< 10	105	< 10	970
MS17933R	205	226	9	0.01	42	930	950	18	3	94	0.01	< 10	< 10	130	< 10	>10000
MS17934R	205	226	4	0.11	5	320	6790	52	2	31	0.01	< 10	< 10	31	< 10	878



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

VICE PRES INTERNATIONAL EXPLORATION

BAG 50
DAWSON CITY, YT
Y0B 1C

Project : 340 03 5333
Comments : TTN:RICK DIMENT/L. JAMRICH

Page Number : 1
Total Pages : 1
Certificate Date: 25-AUG-97
Invoice No. : 19738491
P.O. Number :
Account : OQN

CRTIFICATE OF ANALYSIS

A9738491

SAMPLE	PREP CODE	Ag FA g/t	Cu %	Pb %	Zn %						
NS17932R	244 --	-----	1.80	-----	-----						
NS17933R	244 --	-----	-----	-----	1.13						
NS17934R	244 --	114	-----	-----	-----						
NS17936R	244 --	205	-----	2.17	1.64						
NS17941R	244 --	92	-----	2.44	1.81						

CERTIFICATION:

Signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
DAWSON CITY, YT
Y0B 1G0

Project: 4340-03-5333
Comments: ATTN: RICK DIMENTAL JAMRICK

Page Number: 1-A
Total pages: 12
Certificate Date: 03-OCT-97
Invoice No.: 19744536
P.O. Number:
Account: OQN

CERTIFICATE OF ANALYSIS A9744536

SAMPLE	PREP CODE		As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Cu	Hg	K	La	Mg	Mn
	ppb	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm
M389367R	255	295	25	3.8	0.48	704	20	2.0	2	0.13	< 0.5		121	9	1.61	< 10	< 10	0.26	10	0.04	7310
M389368R	255	295	< 5	2.0	0.75	102	20	1.5	< 2	0.13	< 0.5	1	129	4	1.25	< 10	< 10	0.34	20	0.09	600
M389369R	255	295	30	2.2	0.57	642	30	1.0	< 2	0.05	< 0.5	1	223	7	1.35	< 10	< 10	0.34	10	0.04	315
M389370R	255	295	20	1.8	0.46	648	30	0.5	< 2	0.04	< 0.5	< 1	156	5	1.12	< 10	< 10	0.34	10	0.03	130
MS15451R	255	295	15	2.8	0.41	688	20	0.5	< 2	0.03	< 0.5	< 1	144	10	0.72	< 10	< 10	0.30	10	0.02	95
MS15452R	255	295	10	14.8	0.53	210	30	1.0	< 2	0.07	< 0.5	< 1	155	4	1.70	< 10	< 10	0.40	10	0.01	380
MS15453R	255	295	5	5.4	0.50	298	10	1.5	< 2	0.33	0.5	1	128	5	1.61	< 10	< 10	0.31	10	0.04	>10000
MS15454R	255	295	510	41.8	0.44	>10000	< 10	1.5	< 2	0.05	2.5	6	118	16	3.62	< 10	< 10	0.33	< 10	0.03	7520
MS15455R	255	295	15	1.6	0.51	222	40	0.5	< 2	0.02	< 0.5	< 1	163	< 1	0.84	< 10	< 10	0.37	10	0.02	100
MS15456R	255	295	< 5	2.6	0.52	182	50	0.5	< 2	0.03	< 0.5	< 1	128	2	1.78	< 10	< 10	0.41	10	0.01	150
MS15457R	255	295	40	4.8	0.52	536	40	1.0	< 2	0.07	< 0.5	< 1	149	9	1.47	< 10	10	0.35	10	0.03	5610
MS15458R	255	295	380	3.8	0.22	>10000	< 10	1.5	2	1.03	1.0	2	165	8	2.80	< 10	< 10	0.33	< 10	0.08	>10000
MS15459R	255	295	80	96.2	0.45	854	30	1.0	16	0.02	< 0.5	< 1	160	151	1.45	< 10	< 10	0.32	20	0.02	345
MS15460R	255	295	865	>100.0	0.23	8030	30	< 0.5	< 2	0.08	2.0	2	223	35	1.62	< 10	10	0.33	< 10	0.01	8260
MS15461R	255	295	5	8.0	0.44	1030	30	0.5	< 2	0.01	< 0.5	< 1	161	15	2.74	< 10	100	0.26	10	0.01	315
MS15462R	255	295	2360	>100.0	0.50	>10000	30	0.5	< 2	0.01	< 0.5	< 1	154	131	2.92	< 10	110	0.29	10	0.01	245
MS15463R	255	295	580	6.0	0.35	>10000	50	< 0.5	< 2	< 0.01	< 0.5	< 1	147	31	3.31	< 10	30	0.20	< 10	0.01	95
MS15464R	255	295	55	21.8	0.47	3990	50	< 0.5	< 2	0.01	< 0.5	1	172	27	1.48	< 10	130	0.27	10	0.04	135
MS15465R	255	295	275	25.8	0.29	9680	80	< 0.5	< 2	0.01	< 0.5	< 1	150	19	1.76	< 10	40	0.25	< 10	0.01	60
MS15466R	255	295	2720	95.6	0.10	>10000	30	< 0.5	< 2	0.01	19.5	< 1	110	325	6.30	< 10	10	0.09	< 10	< 0.01	1965
MS15467R	255	295	< 5	10.8	0.30	114	110	< 0.5	2	< 0.01	< 0.5	< 1	233	3	0.60	< 10	< 10	0.22	10	0.01	70
MS15468R	255	295	50	14.2	0.44	3440	70	0.5	< 2	0.01	< 0.5	< 1	106	5	1.61	< 10	80	0.24	10	0.01	80
MS15469R	255	295	30	>100.0	0.38	2460	20	0.5	< 2	0.01	< 0.5	< 1	112	11	1.83	< 10	70	0.22	10	0.01	115
MS15470R	255	295	80	3.8	1.23	>10000	110	0.5	50	0.62	< 0.5	8	81	57	4.27	< 10	< 10	0.36	30	0.38	60
MS15471R	255	295	< 5	2.2	1.44	7020	40	< 0.5	< 2	0.53	0.5	7	97	279	2.94	< 10	< 10	0.28	10	0.62	70
MS15472R	255	295	865	34.0	0.07	>10000	< 10	< 0.5	426	< 0.01	>100.0	23	3	2400	>15.00	< 10	10	0.06	< 10	< 0.01	10
MS15473R	255	295	730	3.4	0.31	>10000	20	< 0.5	< 2	0.01	< 0.5	< 1	147	28	2.25	< 10	< 10	0.29	< 10	< 0.01	110
MS15474R	255	295	520	11.0	0.38	>10000	30	< 0.5	< 2	0.02	1.0	< 1	133	33	3.08	< 10	60	0.31	10	0.02	80
MS15475R	255	295	85	21.8	0.46	4190	10	< 0.5	< 2	0.01	< 0.5	< 1	177	9	1.15	< 10	60	0.33	10	0.01	195
MS15476R	255	295	305	3.0	0.48	740	20	< 0.5	< 2	< 0.01	< 0.5	< 1	153	33	1.57	< 10	10	0.24	10	0.01	25
MS15477R	255	295	115	7.6	0.30	1495	10	< 0.5	2	< 0.01	2.0	< 1	205	69	0.89	< 10	210	0.17	< 10	< 0.01	45
MS15478R	255	295	< 5	2.0	0.42	58	40	0.5	2	< 0.01	1.0	< 1	134	19	1.08	< 10	10	0.37	< 10	< 0.01	40
MS15479R	255	295	< 5	5.4	0.29	128	10	< 0.5	10	0.01	< 0.5	< 1	175	61	0.82	< 10	< 10	0.21	10	0.01	35
MS15480R	255	295	60	1.8	0.41	2020	30	< 0.5	2	< 0.01	< 0.5	< 1	141	30	1.00	< 10	< 10	0.29	10	0.01	35
MS15481R	255	295	6660	2.4	0.16	>10000	20	< 0.5	< 2	< 0.01	3.0	1	145	73	4.98	< 10	100	0.15	< 10	< 0.01	140
MS15482R	255	295	5	8.0	0.63	72	40	0.5	12	< 0.01	< 0.5	< 1	165	26	0.99	< 10	< 10	0.38	30	0.01	45
MS15483R	255	295	< 5	1.6	0.47	54	40	< 0.5	2	< 0.01	< 0.5	< 1	173	3	0.79	< 10	< 10	0.36	20	0.01	40
MS19368R	255	295	15	< 0.2	2.05	152	180	< 0.5	< 2	0.43	< 0.5	9	198	11	3.23	< 10	< 10	0.40	< 10	1.37	115
MS19369R	255	295	< 5	0.2	3.04	16	160	0.5	< 2	0.78	< 0.5	10	90	42	3.45	< 10	< 10	0.69	< 10	1.35	220

IKC
RV



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
DAWSON CITY, YT
Y0B 1G0

Project: 4340-03-5333
Comments: ATTN: RICK DIMENTAL JAMRICK

Page Number : 1-B
Total Pages : 2
Certificate Date : 03-OCT-97
Invoice No. : I9744536
P.O. Number :
Account : OQN

CERTIFICATE OF ANALYSIS

A9744536

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
MS189367R	255	295	< 1	0.01	3	430	84	14	1	9	< 0.01	< 10	< 10	3	< 10	160
MS189368R	255	295	< 1	0.01	2	540	30	2	1	11	< 0.01	< 10	< 10	6	< 10	102
MS189369R	255	295	< 1	< 0.01	3	510	22	12	< 1	6	< 0.01	< 10	< 10	4	< 10	26
MS189370R	255	295	< 1	< 0.01	2	460	22	8	< 1	5	< 0.01	< 10	< 10	3	< 10	14
MS15451R	255	295	< 1	< 0.01	1	650	14	8	< 1	2	< 0.01	< 10	< 10	1	< 10	8
MS15452R	255	295	< 1	0.01	1	530	160	24	< 1	8	< 0.01	< 10	< 10	2	< 10	68
MS15453R	255	295	< 1	0.02	4	390	106	10	< 1	5	< 0.01	< 10	< 10	3	< 10	324
MS15454R	255	295	< 1	0.06	4	120	866	172	< 1	11	< 0.01	< 10	< 10	1	< 10	920
MS15455R	255	295	< 1	< 0.01	1	320	34	6	< 1	7	< 0.01	< 10	< 10	1	< 10	8
MS15456R	255	295	< 1	0.01	1	490	72	6	< 1	7	< 0.01	< 10	< 10	2	< 10	46
MS15457R	255	295	< 1	0.01	2	220	128	10	< 1	12	< 0.01	< 10	< 10	1	< 10	114
MS15458R	255	295	< 1	0.04	6	140	50	88	< 1	7	< 0.01	< 10	< 10	1	< 10	696
MS15459R	255	295	21	0.01	2	410	1410	54	< 1	9	< 0.01	< 10	< 10	1	< 10	104
MS15460R	255	295	1	0.18	4	100	1710	390	< 1	4	< 0.01	< 10	< 10	1	< 10	3140
MS15461R	255	295	< 1	0.01	2	310	880	18	< 1	7	< 0.01	< 10	< 10	1	< 10	260
MS15462R	255	295	< 1	0.01	1	460	1795	130	1	10	< 0.01	< 10	10	1	< 10	144
MS15463R	255	295	< 1	< 0.01	1	180	428	128	< 1	5	< 0.01	< 10	< 10	1	< 10	56
MS15464R	255	295	< 1	0.01	3	140	2640	28	< 1	6	< 0.01	< 10	< 10	3	< 10	142
MS15465R	255	295	< 1	0.01	2	270	2170	72	< 1	8	< 0.01	< 10	< 10	1	< 10	92
MS15466R	255	295	< 1	0.49	1	80	2740	360	< 1	3	< 0.01	< 10	< 10	< 1	< 10	8700
MS15467R	255	295	3	< 0.01	3	120	94	< 2	< 1	7	< 0.01	< 10	< 10	3	< 10	20
MS15468R	255	295	< 1	0.01	1	140	652	18	< 1	73	< 0.01	< 10	< 10	2	< 10	98
MS15469R	255	295	< 1	0.02	1	140	2440	44	< 1	48	< 0.01	< 10	< 10	2	< 10	238
MS15470R	255	295	1	0.09	3	420	44	30	5	36	0.03	< 10	< 10	16	< 10	30
MS15471R	255	295	1	0.08	4	410	22	4	6	28	0.08	< 10	< 10	28	< 10	170
MS15472R	255	295	< 1	< 0.01	< 1	70	266	298	< 1	4	< 0.01	< 10	10	< 1	< 10	220
MS15473R	255	295	< 1	< 0.01	1	250	586	98	< 1	4	< 0.01	< 10	< 10	1	< 10	42
MS15474R	255	295	< 1	0.01	1	170	2810	134	< 1	8	< 0.01	< 10	< 10	1	< 10	208
MS15475R	255	295	2	< 0.01	2	170	1925	24	< 1	20	< 0.01	< 10	< 10	1	< 10	80
MS15476R	255	295	< 1	0.01	2	200	812	24	< 1	22	< 0.01	< 10	< 10	5	50	104
MS15477R	255	295	< 1	0.04	3	60	1090	98	< 1	10	< 0.01	< 10	< 10	1	30	558
MS15478R	255	295	1	0.01	1	140	1140	6	1	6	< 0.01	< 10	< 10	< 1	< 10	104
MS15479R	255	295	1	0.01	3	230	630	< 2	< 1	6	< 0.01	< 10	< 10	1	< 10	116
MS15480R	255	295	< 1	< 0.01	2	230	536	6	< 1	7	< 0.01	< 10	< 10	1	< 10	52
MS15481R	255	295	< 1	0.01	1	290	194	604	1	3	< 0.01	< 10	30	1	< 10	206
MS15482R	255	295	1	0.01	1	310	2550	6	1	8	< 0.01	< 10	< 10	3	< 10	74
MS15483R	255	295	< 1	< 0.01	1	220	316	2	< 1	7	< 0.01	< 10	< 10	1	< 10	26
MS19368R	255	295	1	0.01	18	780	6	2	4	23	0.06	< 10	< 10	60	< 10	54
MS19369R	255	295	1	0.16	24	540	12	< 2	5	117	0.12	< 10	< 10	59	< 10	118



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
 DAWSON CITY, YT
 Y0B 1G0

Project : 4340-03-5333
 Comments: ATTN: RICK DIMENT / L. JAMRICH

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 03-OCT-97
 Invoice No. : 19744544
 P.O. Number :
 Account : OGN

CERTIFICATE OF ANALYSIS A9744544

SAMPLE	PREP CODE	As ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Ng	Mn
		FA+AA	PPM	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	%	PPM	PPB	%	PPM	%
CS18793T	201 202	< 5	< 0.2	1.27	28	340	0.5	< 2	0.87	1.5	11	18	25	3.39	< 10	80	0.14	10	0.66	2760



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
 DAWSON CITY, YT
 Y0B 1G0

Project : 4340-03-5333
 Comments: ATTN: RICK DIMENT / L. JAMRICH

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 03-OCT-97
 Invoice No. : 19744544
 P.O. Number :
 Account : OGN

CERTIFICATE OF ANALYSIS A9744544

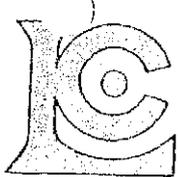
SAMPLE	PREP CODE	Mo	Ka	Mi	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM
CS18793T	201 202	< 1	< 0.01	25	1500	8	2	3	66	< 0.01	< 10	< 10	40	< 10	110

Soil Sample Description Sheet

Sample No.	Zone	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost	% Coarse Frags.	Vegetation	Surficial Geol.	Frag. Lithology	% Organics	Date	Sampler	Comments
PKA 0000		B	20	ht	lbrn		0	cf			0		SE	
PKA 0100		B	20	sl	lbrn		10	cf	till		0		SE	
PKA 0200		B	40	sl	lbrn		0	cf	till		0		SE	
PKA 0300		AC	40	st	dbrn		30	cf	till		70		SE	
PKA 0400		A	50	st	dbrn		0	cf	tf	SLT	60		SE	
PKA 0500		B	50	mod	dgy		0	cf			30		SE	
PKA 0600		A	50	mod	dgy		0	cf			80		SE	
PKA 0700		A	50	mod	dgy		0	cf			70		SE	
PKA 0800		AB	50	mod	dgy		0	cf			60		SE	
PKA 0900		AB	70	mod	dgy		10	cf	til		50		SE	
PKA 1000		AB	50	mod	dgy		0	cf			50		SE	
PKA 1100		B	20	mod	buf		10	cf	til		10		SE	
PKA 1200		NS											SE	
PKA 1300		B	20	sl	buf		0	bb			20		SE	
PKA 1400		B	30	val	gry		0	bb			20		SE	
PKA 1500		B	20	mod	lgry		0	cf			30		SE	
PKA 1600		B	30	mod	lgry		0	cf			30		SE	
PKA 1650		B	20	mod	lgry		0	cf			10		SE	
PKA 1700		B	20	mod	lgry		10	cf	tf	SLT	10		SE	
PKA 1750		B	20	mod	lgry		0	cf			20		SE	
PKA 1800		B	20	mod	brn		10	cf	til		10		SE	
PKA 1850		B	20	mod	brn		10	cf	til		10		SE	
PKA 1900		B	30	ht	lgy		0	cf			10		SE	
PKA 1950		B	30	ht	org		0	cf			10		SE	
PKA 2000		B	0	mod	org		0	cf			20		SE	
PKA 2050		B	20	mod	org		0	cf			20		SE	
PKA 2100		B	20	mod	gry		0	cf			20		SE	
PKA 2150		B	30	mod	gry		0	cf			10		SE	
PKA 2200		B	40	mod	gry		0	cf			0		SE	
PKA 2250		NS		mod									SE	
PKA 2300		NS		mod									SE	
PKA 2350		B	40	mod	gry		0	bb			30		SE	
PKA 2400		B	40	mod	gry		0	bb			20		SE	
PKA 2450		B	40	mod	brn		0	bb			10		SE	
PKA 2500		B	40	mod	brn		0	bb			20		SE	
PKA 2550		A	60	mod	bik		0	bb			100		SE	
PKA 2600		A	60	mod	bik		0	bb			80		SE	
PKA 2650		A	50	mod	bik		0	bb			80		SE	
PKA 2700		B	50	sl	gry		20	bb	til		20		SE	
PKA 2800		A	40	sl	dbrn		0	bb			0		SE	
PKB 0000		B	35	GEN	TAN			CF	COLL		10	16/09/9	MR	
PKB 0100		AB	35	GEN	MGY		10	CF	COLL	SLT	30	16/09/9	MR	
PKB 0200		B	35	FL	BL			CF	COLL		20	16/09/9	MR	
PKB 0300		B	45	FL	BL			CF	COLL		5	16/09/1	MR	

Soil Sample Description Sheet

PKB 0400	B	30	FL	MGY		20	CF	COLL	SLT	10	16/09/1	MR
PKB 0500	B	40	GEN	MGY		10	CF	COLL	SLT	10	16/09/1	MR
PKB 0600	B	40	GEN	MGY		30	CF	COLL	SLT		16/09/1	MR
PKB 0700	B	40	GEN	TAN			CF	COLL			16/09/1	MR
PKB 0800	B	35	GEN	BL			CF	COLL		10	16/09/1	MR
PKB 0900	B	45	GEN	BL		20	CF	COLL	SLT	30	16/09/1	MR
PKB 1000	B	25	MOD	BUFF		30	CF	COLL	SLT	40	16/09/1	MR
PKB 1100	B	30	MOD	TAN		50	CF	COLL	SLT	10	16/09/1	MR
PKB 1200	B	30	MOD	TAN		30	CF	COLL	SLT	15	16/09/1	MR
PKB 1300	B	40	MOD	TAN		5	CF	COLL	SLT	20	16/09/1	MR
PKB 1400	B	25	FL	TAN		30	CF	COLL	SLT	10	16/09/1	MR
PKB 1450	B	30	MOD	TAN			CF	COLL			16/09/1	MR
PKB 1500	B	35	MOD	TAN			CF	COLL		20	16/09/1	MR
PKB 1550			MOD				CF	COLL			16/09/1	MR
PKB 1600	AB	40	MOD	BL			CF	COLL		30	16/09/1	MR
PKB 1650	B	40	MOD	TAN			CF	COLL		30	16/09/1	MR
PKB 1700			FL/HT				CF	COLL			16/09/1	MR
PKB 1750	AB	40	GEN	TAN			CF	COLL		10	16/09/1	MR



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
 DAWSON CITY, YT
 Y0B 1G0

Project: 4340-03-5333
 Comments: ATTN: RICK DIMENT/L. JAMRICH

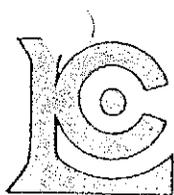
Page Number: 1-A
 Total Pages: 3
 Certificate Date: 04-03-1997
 Invoice No.: 197453
 P.O. Number:
 Account: CQN

CERTIFICATE OF ANALYSIS A9744531

SOIL 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 ppb	K %	La ppm	Mg %	In ppm
PKA0000	201	< 5	< 0.2	1.43	4	210	< 0.5	< 2	0.02	< 0.5	3	16	17	1.50	< 10	10	0.12	10	0.15	1.5
PKA0100	201	< 5	< 0.2	1.34	2	210	< 0.5	< 2	0.03	0.5	5	21	20	2.31	< 10	20	0.15	10	0.32	2.5
PKA0200	201	< 5	0.2	0.93	8	150	< 0.5	< 2	0.06	0.5	8	14	15	2.47	< 10	10	0.10	10	0.19	7.0
PKA0300	201	< 5	< 0.2	1.15	4	200	0.5	< 2	0.79	2.5	11	13	62	2.95	< 10	20	0.11	20	0.27	6.5
PKA0400	201	< 5	< 0.2	1.20	2	180	0.5	< 2	1.78	0.5	8	15	40	2.08	< 10	40	0.12	10	0.66	2.5
PKA0500	201	< 5	< 0.2	0.90	6	90	< 0.5	< 2	0.10	0.5	5	11	11	2.12	< 10	< 10	0.04	10	0.51	1.5
PKA0600	201	< 5	0.4	0.97	20	60	< 0.5	< 2	1.23	2.0	7	4	27	0.95	< 10	60	0.03	< 10	0.12	5.0
PKA0700	201	< 5	1.2	1.36	20	160	< 0.5	< 2	2.17	2.0	4	11	43	1.25	< 10	140	0.08	10	0.28	5.5
PKA0800	201	< 5	< 0.2	0.68	12	60	< 0.5	< 2	0.06	1.0	7	13	14	3.69	< 10	< 10	0.04	20	0.05	2.0
PKA0900	201	< 5	0.2	0.48	< 2	50	< 0.5	< 2	0.05	< 0.5	1	5	14	0.66	< 10	10	0.05	< 10	0.07	1.0
PKA1000	201	< 5	0.8	1.13	< 2	190	0.5	< 2	2.19	1.5	5	9	151	1.69	< 10	110	0.07	30	0.31	2.0
PKA1100	201	< 5	< 0.2	1.47	10	260	< 0.5	< 2	0.15	< 0.5	5	20	29	2.48	< 10	20	0.15	20	0.51	1.9
PKA1300	201	< 5	0.2	1.27	2	260	< 0.5	< 2	1.21	0.5	5	14	34	1.45	< 10	100	0.13	10	0.39	1.5
PKA1400	201	< 5	0.2	1.23	4	220	< 0.5	< 2	0.47	1.0	4	14	21	1.60	< 10	60	0.12	10	0.35	1.0
PKA1450	201	< 5	< 0.2	1.36	< 2	240	< 0.5	< 2	0.07	0.5	5	22	8	2.59	< 10	< 10	0.14	10	0.45	1.0
PKA1500	201	< 5	0.2	1.38	18	280	0.5	< 2	0.29	0.5	8	19	28	2.26	< 10	50	0.16	10	0.50	8.5
PKA1600	201	< 5	< 0.2	0.97	8	280	< 0.5	< 2	0.49	< 0.5	4	10	16	1.33	< 10	60	0.09	< 10	0.28	2.0
PKA1650	201	< 5	< 0.2	1.26	36	190	< 0.5	< 2	0.21	0.5	10	18	27	2.89	< 10	20	0.12	20	0.58	4.5
PKA1700	201	< 5	0.6	1.29	10	600	< 0.5	< 2	0.33	2.5	15	11	27	2.05	< 10	110	0.07	< 10	0.19	88.0
PKA1750	201	< 5	0.8	1.02	8	210	< 0.5	< 2	0.16	< 0.5	3	14	35	2.08	< 10	150	0.11	10	0.38	2.5
PKA1800	201	< 5	< 0.2	1.68	34	350	< 0.5	< 2	0.06	< 0.5	8	27	38	4.38	< 10	10	0.25	20	0.45	8.0
PKA1850	201	< 5	< 0.2	1.07	12	200	< 0.5	< 2	0.03	< 0.5	3	15	22	1.62	< 10	30	0.17	10	0.25	1.5
PKA1900	201	< 5	0.2	0.66	2	130	< 0.5	2	0.01	< 0.5	1	6	9	0.64	< 10	10	0.07	20	0.06	1.5
PKA2000	201	< 5	< 0.2	1.34	12	190	< 0.5	< 2	0.02	0.5	6	17	12	3.23	< 10	10	0.12	10	0.25	1.0
PKA2050	201	< 5	< 0.2	0.39	2	120	< 0.5	< 2	0.06	0.5	1	5	12	0.65	< 10	20	0.06	< 10	0.07	2.5
PKA2100	201	< 5	< 0.2	2.37	10	470	0.5	< 2	1.00	< 0.5	11	17	26	3.66	< 10	10	0.17	30	1.16	3.5
PKA2150	201	< 5	0.2	2.36	8	490	0.5	< 2	1.42	< 0.5	11	25	27	3.24	< 10	10	0.18	10	1.64	3.5
PKA2200	201	< 5	< 0.2	1.86	18	280	0.5	< 2	0.94	0.5	10	23	24	2.63	< 10	40	0.21	10	1.12	3.5
PKA2350	201	< 5	< 0.2	0.53	< 2	90	< 0.5	< 2	0.27	< 0.5	2	9	10	1.20	< 10	< 10	0.07	10	0.15	1.0
PKA2400	201	< 5	< 0.2	1.23	4	230	< 0.5	< 2	0.50	< 0.5	5	18	12	1.42	< 10	10	0.11	10	0.59	1.0
PKA2450	201	< 5	< 0.2	1.25	12	200	< 0.5	< 2	0.59	< 0.5	4	14	13	1.72	< 10	< 10	0.09	10	0.27	1.5
PKA2500	201	< 5	< 0.2	1.71	< 2	330	0.5	< 2	1.34	0.5	7	19	21	1.97	< 10	10	0.08	10	0.49	3.5
PKA2550	201	< 5	< 0.2	0.26	< 2	150	< 0.5	< 2	4.63	0.5	1	2	24	0.25	< 10	70	< 0.01	< 10	0.03	1.0
PKA2600	201	< 5	0.2	1.37	8	240	< 0.5	< 2	2.59	0.5	8	13	27	1.56	< 10	30	0.10	< 10	0.46	8.0
PKA2650	201	< 5	< 0.2	0.47	< 2	130	< 0.5	< 2	1.11	< 0.5	3	4	12	0.63	< 10	30	0.03	< 10	0.09	1.5
PKA2700	201	< 5	0.2	1.50	12	280	< 0.5	< 2	1.38	0.5	8	23	21	2.14	< 10	40	0.22	10	0.91	4.5
PKA2800	201	< 5	0.2	1.64	14	290	0.5	< 2	0.63	1.0	9	21	43	2.43	< 10	70	0.18	10	0.78	2.5
PKB0000	201	< 5	< 0.2	0.76	< 2	100	< 0.5	< 2	0.05	< 0.5	3	10	5	1.33	< 10	< 10	0.06	10	0.18	1.5
PKB0100	201	< 5	< 0.2	0.31	< 2	50	< 0.5	< 2	0.11	< 0.5	< 1	4	7	0.34	< 10	< 10	0.05	< 10	0.04	2.5
PKB0200	201	< 5	0.6	1.63	8	290	0.5	< 2	1.86	0.5	5	19	76	1.92	< 10	170	0.15	10	0.57	1.5

CERTIFICATION:

Hank B. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
DAWSON CITY, YT
Y0B 1G0

Project: 4340-03-5333
Comments: ATTN: RICK DIMENT/L. JAMRICH

Page Number : 1-B
Total Pages : 3
Certificate Date: 04-OCT
Invoice No. : 197445
P.O. Number :
Account : OQN

CERTIFICATE OF ANALYSIS

A9744531

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
PKA0000	201 202	< 1	0.01	7	780	8	< 2	< 1	9	< 0.01	< 10	< 10	59	< 10	40
PKA0100	201 202	< 1	< 0.01	10	1050	12	< 2	< 1	9	< 0.01	< 10	< 10	52	< 10	72
PKA0200	201 202	< 1	0.01	9	1390	14	< 2	< 1	13	< 0.01	< 10	< 10	50	< 10	90
PKA0300	201 202	< 1	0.01	29	1350	12	4	1	61	< 0.01	< 10	< 10	32	< 10	74
PKA0400	201 202	< 1	0.01	25	770	8	< 2	2	121	< 0.01	< 10	< 10	24	< 10	50
PKA0500	201 202	1	0.01	9	680	10	2	< 1	14	< 0.01	< 10	< 10	30	< 10	46
PKA0600	201 202	< 1	0.03	13	940	2	< 2	< 1	74	0.01	< 10	< 10	12	< 10	60
PKA0700	201 202	< 1	0.03	20	1580	22	4	1	117	< 0.01	< 10	< 10	21	< 10	132
PKA0800	201 202	2	0.01	17	500	10	2	< 1	9	0.01	< 10	< 10	70	< 10	90
PKA0900	201 202	< 1	0.06	3	560	2	< 2	< 1	8	< 0.01	< 10	< 10	16	< 10	16
PKA1000	201 202	1	0.01	46	960	10	< 2	2	168	< 0.01	< 10	< 10	27	< 10	40
PKA1100	201 202	< 1	0.01	17	660	12	2	1	18	< 0.01	< 10	< 10	53	< 10	78
PKA1300	201 202	< 1	0.02	18	760	6	< 2	2	100	< 0.01	< 10	< 10	34	< 10	78
PKA1400	201 202	< 1	0.03	12	660	6	< 2	1	42	0.01	< 10	< 10	37	< 10	70
PKA1450	201 202	< 1	0.01	7	450	10	2	2	8	0.04	< 10	< 10	81	< 10	58
PKA1500	201 202	< 1	0.03	17	780	14	2	3	26	0.01	< 10	< 10	48	< 10	88
PKA1600	201 202	< 1	0.04	11	570	8	< 2	1	33	< 0.01	< 10	< 10	28	< 10	48
PKA1650	201 202	< 1	< 0.01	20	850	28	< 2	2	27	< 0.01	< 10	< 10	44	< 10	96
PKA1700	201 202	4	0.03	51	950	8	< 2	1	27	0.01	< 10	< 10	31	< 10	118
PKA1750	201 202	3	0.01	11	1390	14	< 2	1	32	< 0.01	< 10	< 10	34	< 10	50
PKA1800	201 202	4	0.01	15	1430	30	< 2	2	40	0.01	< 10	< 10	91	< 10	88
PKA1850	201 202	1	0.03	8	460	14	< 2	1	17	0.01	< 10	< 10	48	< 10	30
PKA1900	201 202	1	0.02	2	210	6	< 2	< 1	8	0.01	< 10	< 10	31	< 10	12
PKA2000	201 202	< 1	< 0.01	10	440	10	4	1	13	0.04	< 10	< 10	74	< 10	46
PKA2050	201 202	< 1	0.04	3	370	4	< 2	< 1	18	< 0.01	< 10	< 10	18	< 10	10
PKA2100	201 202	1	0.01	17	1050	16	< 2	4	65	0.01	< 10	< 10	35	< 10	82
PKA2150	201 202	< 1	0.03	18	510	18	2	4	95	0.04	< 10	< 10	70	< 10	70
PKA2200	201 202	< 1	< 0.01	22	460	12	< 2	3	59	0.05	< 10	< 10	60	< 10	68
PKA2350	201 202	< 1	0.01	5	150	2	< 2	< 1	25	0.02	< 10	< 10	36	< 10	24
PKA2400	201 202	< 1	< 0.01	9	160	8	< 2	1	32	0.02	< 10	< 10	35	< 10	38
PKA2450	201 202	< 1	0.01	7	220	12	< 2	1	34	< 0.01	< 10	< 10	45	< 10	32
PKA2500	201 202	< 1	< 0.01	12	460	12	< 2	2	62	0.01	< 10	< 10	32	< 10	56
PKA2550	201 202	< 1	< 0.01	6	500	< 2	< 2	< 1	163	< 0.01	< 10	< 10	2	< 10	2
PKA2600	201 202	< 1	0.02	18	890	10	4	1	142	0.01	< 10	< 10	29	< 10	52
PKA2650	201 202	< 1	0.05	5	480	< 2	< 2	< 1	61	0.01	< 10	< 10	12	< 10	8
PKA2700	201 202	4	0.01	14	940	10	< 2	3	83	0.01	< 10	< 10	54	< 10	80
PKA2800	201 202	< 1	0.02	25	600	12	< 2	3	45	0.01	< 10	< 10	48	< 10	98
PKB0000	201 202	< 1	0.02	7	250	6	< 2	< 1	7	< 0.01	< 10	< 10	41	< 10	74
PKB0100	201 202	< 1	0.04	2	210	4	< 2	< 1	10	< 0.01	< 10	< 10	12	< 10	12
PKD0200	201 202	< 1	0.01	25	1310	6	< 2	3	127	< 0.01	< 10	< 10	41	< 10	122

CERTIFICATION:

[Handwritten signature]



Chemex Labs Ltd.

Analytical Chemists * Gechemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-21 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
 DAWSON CITY, YT
 Y0B 1G0

Project: 4340-03-5333
 Comments: ATTN: RICK DIMENT/L. JAMRICH

Page Number: 2-A
 Total Pages: 3
 Certificate Date: 04-OCT-
 Invoice No.: 1974453
 P.O. Number:
 Account: OQN

CERTIFICATE OF ANALYSIS A9744531

SOIL SAMPLE	PREP CODE	As 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 ppb	K %	La ppm	Mg %	Mn ppm
PKB0300	201 202	< 5	0.2	0.71	2	210	< 0.5	< 2	1.38	< 0.5	2	3	14	0.61	< 10	50	0.02	< 10	0.07	280
PKB0400	201 202	< 5	< 0.2	0.96	< 2	160	< 0.5	< 2	0.05	< 0.5	2	11	11	1.32	< 10	10	0.09	< 10	0.23	105
PKB0500	201 202	< 5	0.2	1.05	2	220	< 0.5	< 2	0.94	< 0.5	5	9	21	1.18	< 10	40	0.09	10	0.18	225
PKB0600	201 202	< 5	0.2	0.66	< 2	170	< 0.5	< 2	0.55	0.5	< 1	5	13	0.49	< 10	10	0.06	< 10	0.05	25
PKB0700	201 202	< 5	< 0.2	0.29	< 2	40	< 0.5	< 2	0.05	< 0.5	< 1	1	2	0.12	< 10	< 10	0.03	< 10	0.03	25
PKB0800	201 202	< 5	< 0.2	0.44	< 2	100	< 0.5	< 2	0.93	0.5	1	1	7	0.38	< 10	30	0.02	< 10	0.04	135
PKB0900	201 202	< 5	0.2	1.42	< 2	190	0.5	< 2	1.00	1.5	6	10	43	1.28	< 10	70	0.09	10	0.18	400
PKB1000	201 202	< 5	< 0.2	1.00	8	160	< 0.5	< 2	0.02	< 0.5	3	12	10	1.67	< 10	10	0.13	30	0.18	100
PKB1100	201 202	< 5	0.2	0.53	< 2	80	< 0.5	< 2	0.02	< 0.5	1	6	4	0.56	< 10	< 10	0.07	< 10	0.06	65
PKB1200	201 202	< 5	0.2	0.95	2	140	< 0.5	< 2	0.04	< 0.5	3	11	15	1.59	< 10	10	0.11	< 10	0.25	90
PKB1300	201 202	< 5	0.6	0.97	< 2	230	< 0.5	< 2	0.35	< 0.5	3	8	15	0.91	< 10	60	0.09	< 10	0.15	115
PKB1400	201 202	< 5	< 0.2	0.28	2	50	< 0.5	< 2	0.02	< 0.5	< 1	3	6	0.32	< 10	10	0.03	< 10	0.01	15
PKB1450	201 202	< 5	< 0.2	2.00	2	280	< 0.5	< 2	0.11	< 0.5	5	19	17	2.31	< 10	10	0.17	10	0.81	130
PKB1500	201 202	< 5	< 0.2	0.37	< 2	70	< 0.5	< 2	0.03	< 0.5	< 1	4	4	0.46	< 10	< 10	0.06	< 10	0.05	25
PKB1600	201 202	< 5	< 0.2	0.49	< 2	130	< 0.5	< 2	1.09	< 0.5	< 1	4	7	0.41	< 10	50	0.02	< 10	0.06	20
PKB1650	201 202	< 5	< 0.2	1.11	2	180	< 0.5	< 2	0.07	< 0.5	2	12	9	1.23	< 10	10	0.11	10	0.28	55
PKB1750	201 202	< 5	0.2	0.45	< 2	100	< 0.5	< 2	0.14	< 0.5	1	2	8	0.45	< 10	30	0.03	< 10	0.05	60
PKB1800	201 202	< 5	0.2	1.07	2	200	< 0.5	< 2	0.08	0.5	5	13	21	1.63	< 10	50	0.13	10	0.35	155
PKB1850	201 202	< 5	0.2	1.43	8	240	0.5	< 2	0.28	< 0.5	6	15	33	2.05	< 10	70	0.12	10	0.49	275
PKB1900	201 202	< 5	< 0.2	2.22	12	220	< 0.5	< 2	0.06	< 0.5	6	24	25	3.64	< 10	20	0.17	10	0.83	270
PKB1950	201 202	< 5	0.4	1.71	8	350	0.5	< 2	0.22	1.0	14	17	65	3.75	< 10	40	0.21	10	0.51	375
PKB2000	201 202	< 5	0.2	0.65	2	130	< 0.5	< 2	0.11	< 0.5	2	7	6	0.89	< 10	10	0.09	< 10	0.14	110
PKB2050	201 202	< 5	0.6	0.89	< 2	200	< 0.5	< 2	0.93	0.5	1	8	21	1.12	< 10	60	0.06	< 10	0.17	40
PKB2150	201 202	< 5	0.2	0.87	2	160	< 0.5	< 2	0.20	< 0.5	3	10	15	1.07	< 10	50	0.09	< 10	0.23	55
PKB2250	201 202	< 5	< 0.2	1.15	5	200	< 0.5	< 2	0.41	0.5	6	14	21	1.42	< 10	50	0.12	10	0.43	165
PKB2350	201 202	< 5	< 0.2	0.61	< 2	160	< 0.5	< 2	1.99	1.5	3	6	20	0.62	< 10	100	0.04	< 10	0.19	750
PKB2400	201 202	< 5	< 0.2	0.87	8	130	< 0.5	< 2	0.07	< 0.5	3	11	17	2.07	< 10	10	0.07	10	0.30	145
PKB2450	201 202	< 5	< 0.2	0.35	2	60	< 0.5	< 2	0.01	< 0.5	< 1	3	6	0.41	< 10	10	0.03	10	0.02	20



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
 DAWSON CITY, YT
 Y0B 1G0

Project : 4340-03-5333
 Comments: ATTN: RICK DIMENT/L. JAMRICH

Page: 2-B
 Total Pages: 3
 Certificate #: 04-OCT-9
 Invoice #: 19744531
 P.O. Number:
 Account: OQN

CERTIFICATE OF ANALYSIS

A9744531

SAMPLE	PREP CODE		Mo	Na	Mi	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
PKB0300	201	202	1	0.05	5	1030	< 2	< 2	< 1	89	0.01	< 10	< 10	15	< 10	12
PKB0400	201	202	1	0.03	7	330	6	< 2	1	9	< 0.01	< 10	< 10	39	< 10	48
PKB0500	201	202	< 1	0.03	8	590	6	< 2	1	74	0.01	< 10	< 10	28	< 10	78
PKB0600	201	202	< 1	0.05	3	360	2	< 2	< 1	56	< 0.01	< 10	< 10	16	< 10	24
PKB0700	201	202	< 1	0.08	1	170	< 2	< 2	< 1	7	0.01	< 10	< 10	10	< 10	8
PKB0800	201	202	< 1	0.07	2	430	< 2	< 2	< 1	79	0.01	< 10	< 10	9	< 10	18
PKB0900	201	202	1	0.05	18	1100	4	< 2	1	78	0.01	< 10	< 10	35	< 10	54
PKB1000	201	202	1	0.01	8	410	10	< 2	< 1	8	< 0.01	< 10	< 10	68	< 10	42
PKB1100	201	202	< 1	0.04	1	510	2	< 2	< 1	5	< 0.01	< 10	< 10	24	< 10	16
PKB1200	201	202	2	0.04	8	580	4	< 2	< 1	9	< 0.01	< 10	< 10	40	< 10	42
PKB1300	201	202	1	0.07	9	570	< 2	< 2	1	35	0.01	< 10	< 10	28	< 10	30
PKB1400	201	202	< 1	0.05	1	140	2	< 2	< 1	5	< 0.01	< 10	< 10	11	< 10	8
PKB1450	201	202	1	0.03	12	250	6	< 2	2	16	< 0.01	< 10	< 10	58	< 10	54
PKB1500	201	202	< 1	0.06	2	160	2	< 2	< 1	6	< 0.01	< 10	< 10	18	< 10	12
PKB1600	201	202	1	0.05	4	500	2	< 2	< 1	93	0.01	< 10	< 10	8	< 10	6
PKB1650	201	202	< 1	0.03	6	260	6	2	1	10	< 0.01	< 10	< 10	40	< 10	30
PKB1750	201	202	< 1	0.06	3	180	2	< 2	< 1	18	0.01	< 10	< 10	10	< 10	10
PKB1800	201	202	1	0.01	13	800	8	< 2	1	15	< 0.01	< 10	< 10	33	< 10	58
PKB1850	201	202	2	0.01	19	720	8	2	2	31	< 0.01	< 10	< 10	36	< 10	76
PKB1900	201	202	1	< 0.01	15	490	16	< 2	3	11	0.01	< 10	< 10	67	< 10	88
PKB1950	201	202	4	0.02	36	1260	18	2	1	71	0.01	< 10	< 10	50	< 10	158
PKB2000	201	202	< 1	0.05	4	290	6	2	< 1	14	0.01	< 10	< 10	25	< 10	28
PKB2050	201	202	1	0.05	11	650	6	< 2	< 1	66	0.01	< 10	< 10	22	< 10	24
PKB2150	201	202	1	0.04	7	560	6	< 2	1	22	0.01	< 10	< 10	26	< 10	34
PKB2250	201	202	1	0.03	13	470	6	< 2	1	34	0.01	< 10	< 10	37	< 10	72
PKB2350	201	202	1	0.01	14	750	6	< 2	< 1	101	< 0.01	< 10	< 10	12	< 10	42
PKB2400	201	202	1	0.01	10	710	10	2	1	10	< 0.01	< 10	< 10	36	< 10	54
PKB2450	201	202	< 1	0.01	2	260	2	< 2	< 1	4	< 0.01	< 10	< 10	13	< 10	12

07/08/97

Assay Certificate

Page 1

Newrise Resources

WO# 07866

Certified by

Sample #	Au oz/ton	Ag g/mt
21501	0.078	1.2
21502	0.001	<1.0
21503	0.008	19.1
21504	0.005	8.6
21505	0.002	7.3
21506	0.004	2.3
21507	0.004	<1.0
21508	0.007	2.3
21509	0.001	6.3
21510	0.004	12.7
21511	0.003	1.8
21512	0.002	<1.0
21513	<0.001	<1.0
21514	0.014	<1.0
21515	0.006	<1.0
21516	0.001	<1.0

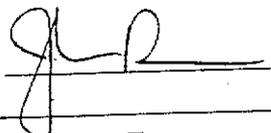
18/07/97

Assay Certificate

Page 1

Newrise J.V.
Morley Barker

WO# 07846

Certified by 

Sample #	Au ppb	Ag g/mt	Cu %	Pb %	Zn %
97 - 1	7	5.3	0.016	0.386	1.210
97 - 2	34	79.9	0.047	1.850	0.375
97 - 3	79	<1.0	0.133	0.003	0.003
97 - 4	6	<1.0	0.136	0.004	0.002
97 - 5	181	<1.0	0.146	0.003	0.002
97 - 6	37	<1.0	0.079	0.002	0.003
97 - 7	126	<1.0	0.136	0.002	0.002
97 - 8	<5	<1.0	0.002	0.001	0.002

TECK RESULTS

Sample Number	Au ppb	Ag ppm	Cu ppm-%	As ppm-%
37401	1290	60.6	5777	17.8%
37402	155	128.2	3.58%	1.85%
37403	260	367.2	1.42%	5.63%
37404	20	2.0	40.3	6925
37405	209	60.4	1771	2.9%
37406	5	30.3	3188	725
37407	5	94.2	311	7580
37408	5	0.6	185	145
37409	5	<0.2	142	80
37410	145	63.2	1.51%	6.1%
37419	5	2.6	89	100
37420	5	0.6	17	<5
37421	5	<0.2	9	30
37422	5	<0.2	117	5
37423	5	3.2	35	5
37451	5	<0.2	18	34
37452	5	29.8	223	470
37453	5	6.6	70	9250
37455	105	51.3	69	7.16%
37456	10	31.6	742	2250
37457	5	0.2	97	45
37458	5	0.4	153	25
37459	5	1.8	180	300
37460	10	61.6	3120	3655
37462	5	2.4	120	190
37463	NS	NS	NS	NS
37464	5	14.4	415	20
37465	5	0.4	38	30
37466	5	4.6	162	1680
37467	5	2.6	181	85
37468	5	12.4	281	1750
37469	5	40.6	431	55
37470	75	21.6	2022	5.98%
37479	15	422.7	2268	1.3%
37480	5	140.2	529	825
37481	5	4.8	152	95
37482	225	118.4	901	8.36%
37483	5	18.6	86	1975
37485	10	606.8	2279	5165

VICEROY INTERNATIONAL RESULTS

Sample Number	Au ppb	Ag ppm	Cu ppm	As ppm
515470	80	3.8	57	>10000
515471	<5	2.2	279	7020
515472	865	34.0	2400	>10000
519368	15	<0.2	11	152
519369	<5	0.2	42	16
517931	<5	52.4	1575	2900
517932	20	86.6	>10000	84
517933	<5	15.6	200	352
517934	50	>100	2590	>10000
517935	705	34.8	633	>10000
517936	140	>100	2320	>10000
517937	30	57.6	1690	5790
517938	500	62.8	3820	>10000
517939	5	23.8	644	596
517940	<5	3.4	5.4	1220
517941	10	>100	776	1925
517942	<5	0.4	42	62
517943	<5	<0.02	25	28

HASTINGS MANAGEMENT RESULTS

Sample Number	Location	Width	Au g/t	Ag ppm	Cu ppm	As %
231431	TR48	1.0 m	0.07	19	760	1.3
231432	TR48	1.0 m	0.24	105	10170	5.7
231433	TR48	1.0 m	N/A	43	1220	7.8
231434	TR48	1.0 m	0.07	98	2770	2.5
231435	TR48	1.0 m	0.07	27	3050	0.3
231436	TR48	1.0 m	0.07	71	1720	1.4
231437	TR48	1.0 m	0.07	10	670	0.1
231438	TR45	1.0 m	N/A	96	1140	8.6
231439	TR43A	1.0 m	0.07	16	1000	1.5
231440	TR44	1.0 m	0.07	94	6830	1.7
231441	TR4E	grob	0.17	75	8940	21.5
231442	TR4E	1.0 m	0.07	2	150	0.0
231443	TR24E	1.0 m	0.07	19	120	0.1
231444	TR24E	1.0 m	0.07	5	60	0.1
231445	TR10	1.0 m	N/A	45	3700	12.1

P. RISBY RESULTS

Sample Number	Au g/t	Ag g/t	Cu %	Ph %	Zn %
21501	0.078	1.2			
21502	0.001	<1.0			
21503	0.008	19.1			
21504	0.005	8.6			
21505	0.002	7.3			
21506	0.004	2.3			
21507	0.004	<1.0			
21508	0.007	2.3			
21509	0.001	6.3			
21510	0.004	12.7			
21511	0.003	1.8			
21512	0.002	<1.0			
21513	<0.001	<1.0			
21514	0.014	<1.0			
21515	0.006	<1.0			
21516	0.001	<1.0			

Sample Number	Au ppb	Ag ppm	Cu %	Ph %	Zn %
97-1	7	5.3	0.016	0.38	1.210
97-2	37	79.9	0.047	1.85	0.375
97-3	79	<1.0	0.133	0.003	0.003
97-4	6	<1.0	0.136	0.004	0.002
97-5	181	<1.0	0.146	0.003	0.002
97-6	37	<1.0	0.079	0.002	0.003
97-7	126	<1.0	0.136	0.002	0.002
97-8	<5	<1.0	0.002	0.001	0.002

LEGEND & SYMBOLS

- 15** QUATERNARY
Unconsolidated alluvial and glacial deposits
- 14** TERTIARY
Grey and dark grey andesite, dacite and basalt
- 13** TERTIARY
Granodiorite quartz and feldspar porphyry, probably plutonic equivalent of 14
- 5** UPPER DEVONIAN AND LOWER (?) MISSISSIPPIAN
Chert-pebble conglomerate; black & grey chert, shale, quartzite; black slate, shale, sandstone, phyllite; minor conglomerate
- 3** ORDOVICIAN AND SILURIAN
Black and varicoloured cherts, shales; minor chert-pebble conglomerate, quartzite, limestone, phyllite; massive chert-pebble conglomerate
- 1** PROTEROZOIC
Shale, slate, phyllite, quartzite; minor andesite quartz-pebble quartzite, grey quartzite, dark slate

- Geologic contact
- - - Fault
- ~ Elevation contour interval, (500 feet)
- Stream, creek, lake
- - - Trail
- - - Claim group boundary (approximate)
- Claim line
- 1, YB87183 Claim number, grant number
- PK-A-●-●-●-●-● Soil sample line, sample location
- △ 21501 Rock sample, number
- ⊗ DDH PE-1 Diamond drill hole, number
- ⊙ Camp location

0 200 400 600 800 1000 1200 1400 1600 METRES

NEWRISE RESOURCES

PIKE PROPERTY
Local Geology
Trench and Sample Locations

Graham Davidson, Consulting Geologist

SCALE: 1 : 20,000 FILE: 245_5 xref 245 DATE: 98.02.14
NTS: 105 J/2 DRAWN: DWG DATE: 98.02.14 FIGURE 5

