095321

ASSESSMENT REPORT

ON THE

PIKE CLAIMS

(Pike 1-6 YB87183-YB87188; Pike 7 YB87483; Pike 9 YB87490; Pike 21 YB87753, Pike 26 YB87503; Pike 28 YB87505; Pike 30-33 YB87507-YB87510; Pike 54-59 YB87531-YB87536; Pike 77- 78 YB87757-YB87758; Pike 80 YB87760; Pike 95 YB87773)

Traffic Mountain Area

NTS 105 J-2
Lat. 62 1 IN, Long 13 0 42'W
Watson Lake Mining District

For: Peter Risby & the Gullen/Risby Family Trust
c/a Newrise Resources
PO Bag 2000
Dawson City, Yukon
Y0B 1G0

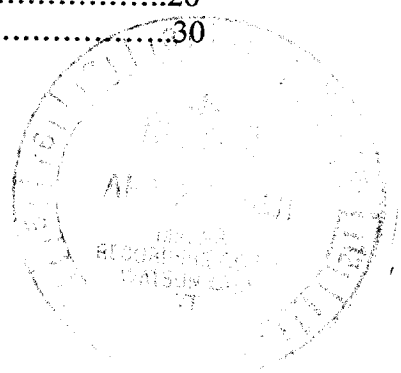
September 30, 2000

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES



SUMMARY

This report has been prepared as an assessment for the Gullen Risby Family Trust operating as Newrise Resources, and summarizes exploration work undertaken on the PIKE property in 1996-2001 by Mr. P. Risby, Homestake Canada, Teck Exploration Ltd., Viceroy International Exploration and Hastings Management Corp.

The new significance of this prospect, which was realized in the summer 2000 exploration results, revealed the presence of platinum group metals. PGE values up to 327 parts per billion were returned in assay results from completed fieldwork. This property covers a large area of intensive mineralization up to 150 meters wide and has been traced over a strike length of 3 kms. The Pike district with its numerous exposures of mafic and ultramafic rock has not been thoroughly explored for PGEs. This extensively mineralized property is highly prospective for the discovery of economic PGE minerals potential in addition to copper, silver and gold values. The report also reviews previous assessment reports and recommends further exploration to re-evaluate this prospect for PGE potential.

The PIKE consists of 25 contiguous claims located on the Pelly River flats, 95 kilometres east of the town of Ross River and 50 kilometres 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 Canol Road. A winter trail connects the property to the Campbell Highway. Charter aircraft and supplies are available from Ross River or alternately Whitehorse, 360 kilometres south-west 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 south-west 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 Palaeozoic 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. These intrusives may well be alkalic in composition. The area is surround by ultramafic units comprised of aphanitic basalt, dunite, peroxinite, peridotite, serpentinized equivalents and quartz carbonate rock. This geological environment has the potential for PGE mineralization within the ultramafic body. With recent exploration, platinum and palladium were noted in samples. 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 Peter Risby on an old prospect originally discovered in the 1960's by Atlas Exploration Corp. Atlas Exploration explored this prospect 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 north-west trending faults and crosscutting north-easterly 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% coppery 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 epithernal 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. 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 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 by structurally controlled associated with Tombstone Suite Intrusions and/or utltramafics.

There is good potential for finding further precious metal mineralization, including PGE and copper bearing zones at the PIKE. Soil geochemistry followed by trenching or drilling of anomalies would effectively outline the mineralization. An exploration program of grid development, mapping, geophysics and drilling is recommended for the PIKE property. A re-evaluation of this 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 25 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 are located in the geological area identified as the **Tintina Gold Belt** region which stretches from north-west Alaska through to the south-eastern portion of the Yukon. The Pike silver-gold property is similar to other deposits hosted in Cretaceous age intrusive rocks that are the current focus throughout the Yukon-Alaska Tintina Gold Belt. The Pike property is a very significant and promising prospect. 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. Samples 3 and 4 from the 1999 assays reported on the Selected Sample Values sheet are taken from a mineral zone not previously identified.

LOCATION AND ACCESS

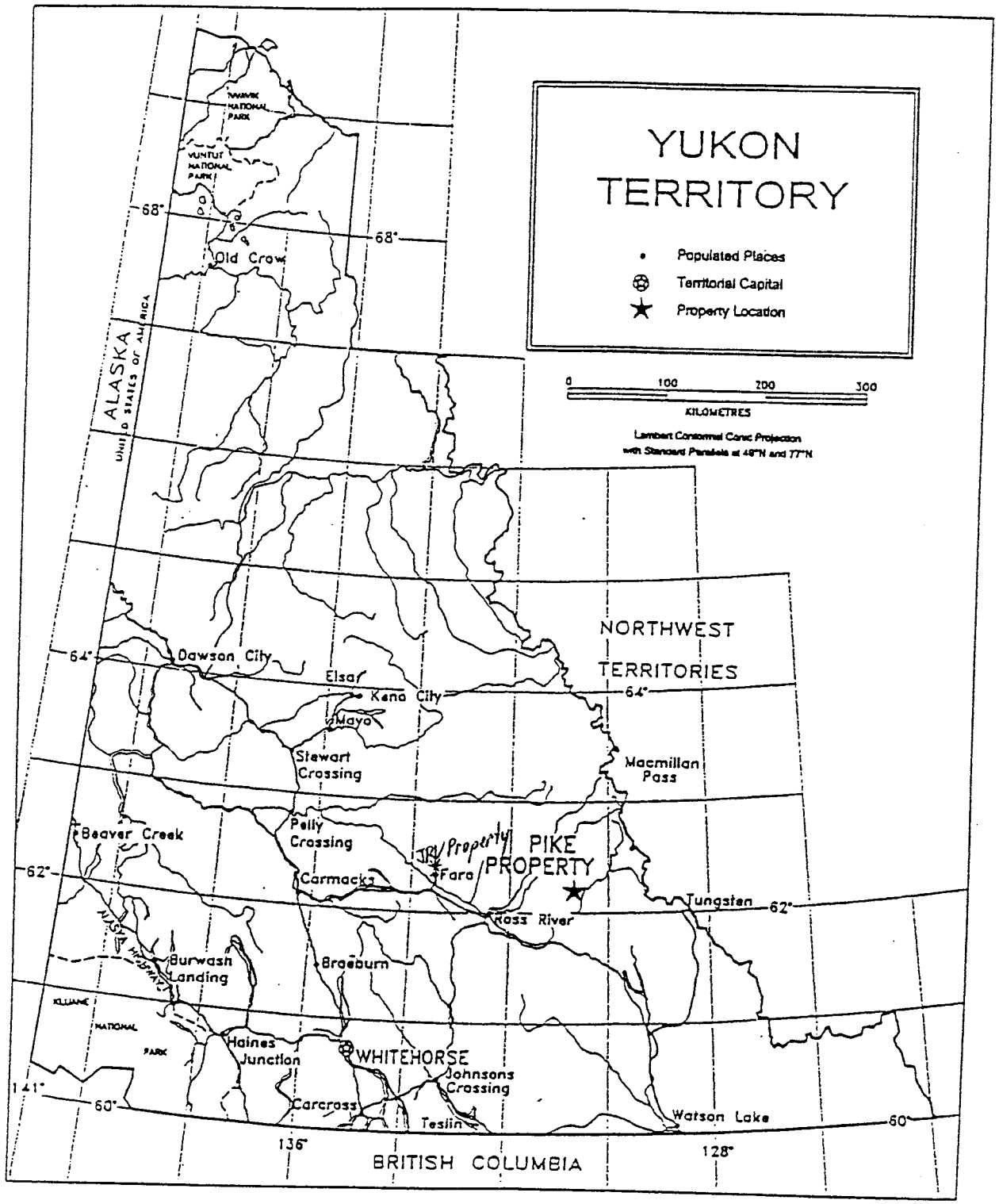
The PIKE property is located 95 kilometres cast of the town of Ross River and 53 kilometres north of the Robert Campbell Highway on NTS Map Sheet 105 J-2 at geographical co-ordinates 62 08"N and 130 40'W. The PIKE property is accessed by helicopter from Ross River or floatplane to Pike Lake. A winter road connects the property to the Robert Campbell Highway a distance of 75 kilometres. 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.

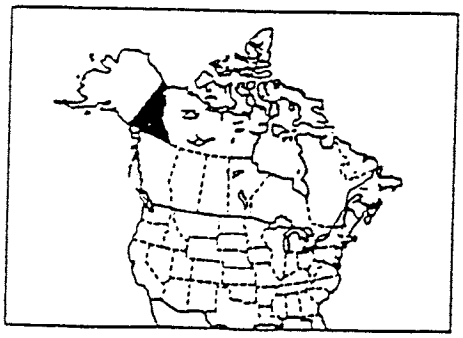
PHYSIOGRAPHY

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 north-west to south-east 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. An ice sheet covered most of the region during the Pleistocene Age, 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.

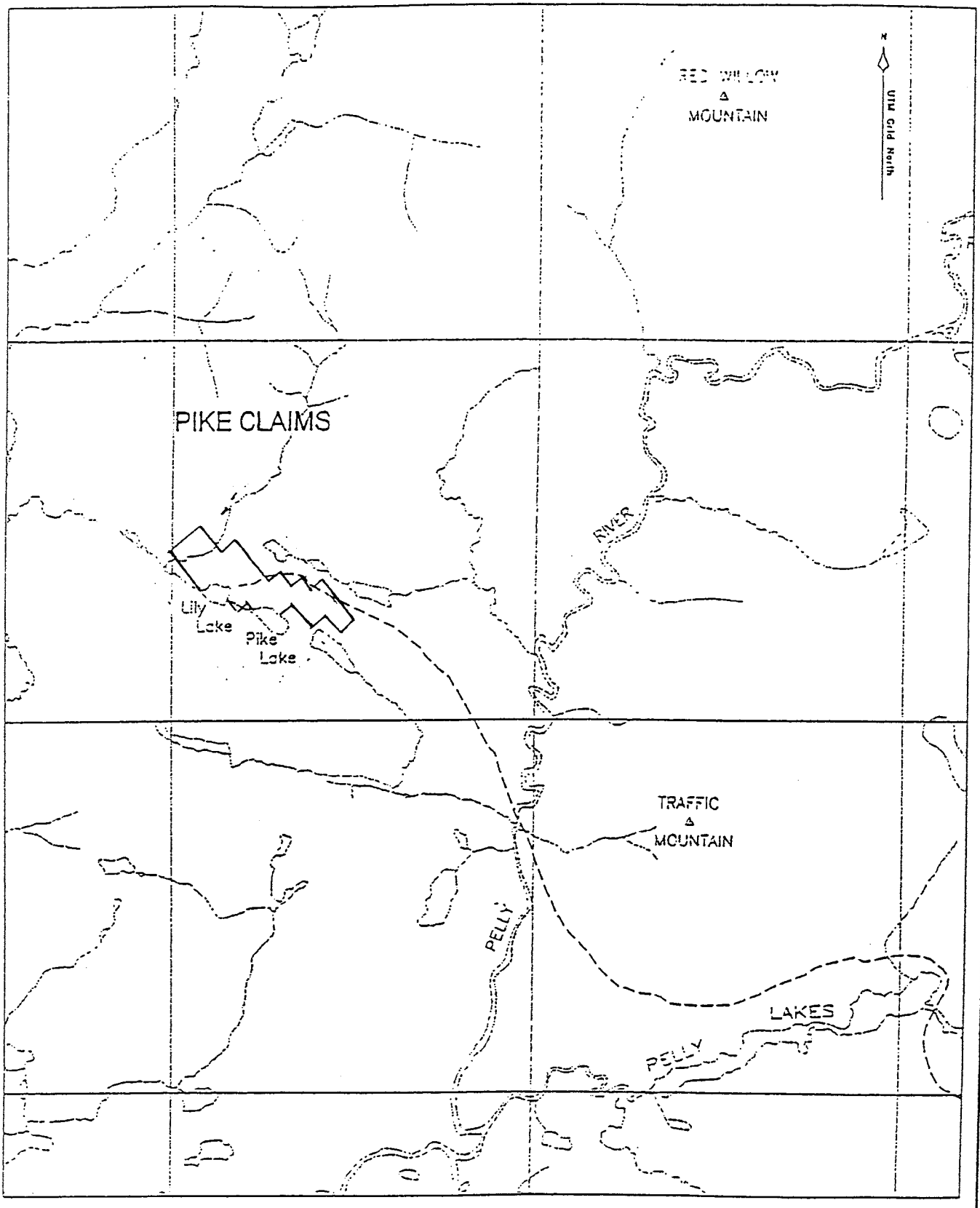




NEWRISE RESOURCES

PIKE PROPERTY
Location Map

SCALE: 1 : 6,000,000	FILE: 245L_1	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 1



LEGEND

stream, creek, lake

trail

claim group boundary

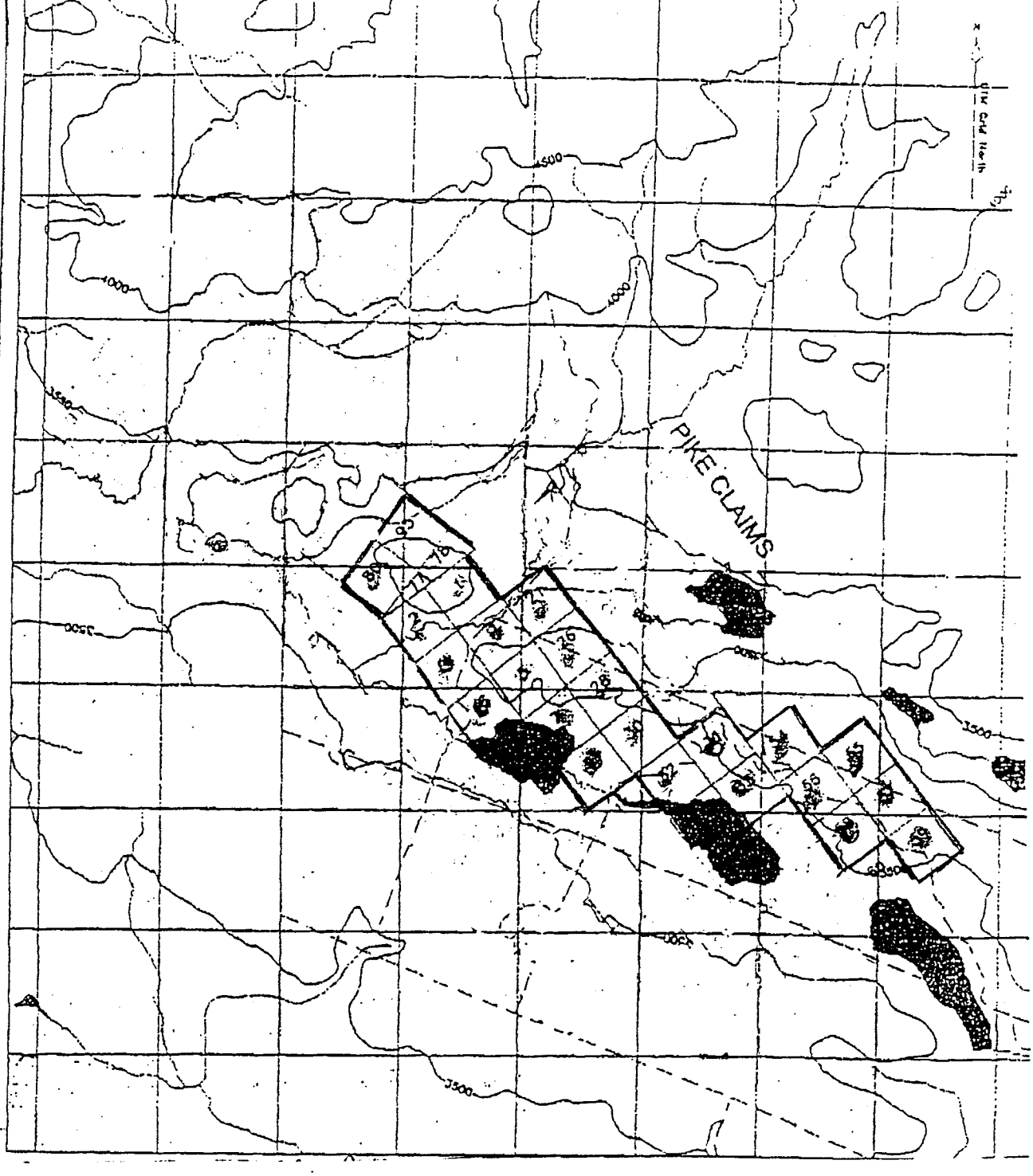
0 2500 5000 7500

METRES

NEWRISE RESOURCES

PIKE PROPERTY
Regional Plan

SCALE: 1 : 150,000	FILE: 245_2	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 2



0 500 1000 1500

METRES

LEGEND

- elevation contour interval, (500 feet) — 3500
- stream, creek, lake
- trail
- claim line
- claim group boundary

NEWRISE RESOURCES

PIKE PROPERTY
Claim Plan

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

PROPERTY

The PIKE property consists of 25 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-YB87188	October 31, 2001*
Pike 7	YB87488	October 31, 2001*
Pike 9	YB87490	October 31, 2001*
Pike 21	YB87753	October 31, 2001*
Pike 26	YB87503	October 31, 2001*
Pike 28	YB87505	October 31, 2001*
Pike 30-33	YB87507-YB87510	October 31, 2001*
Pike 54-59	YB87531-YB87536	October 31, 2001*
Pike 77-78	YB87757-YB87758	October 31, 2001*
Pike 80	YB87760	October 31, 2001*
Pike 95	YB87773	October 31, 2001*

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

ENVIRONMENT

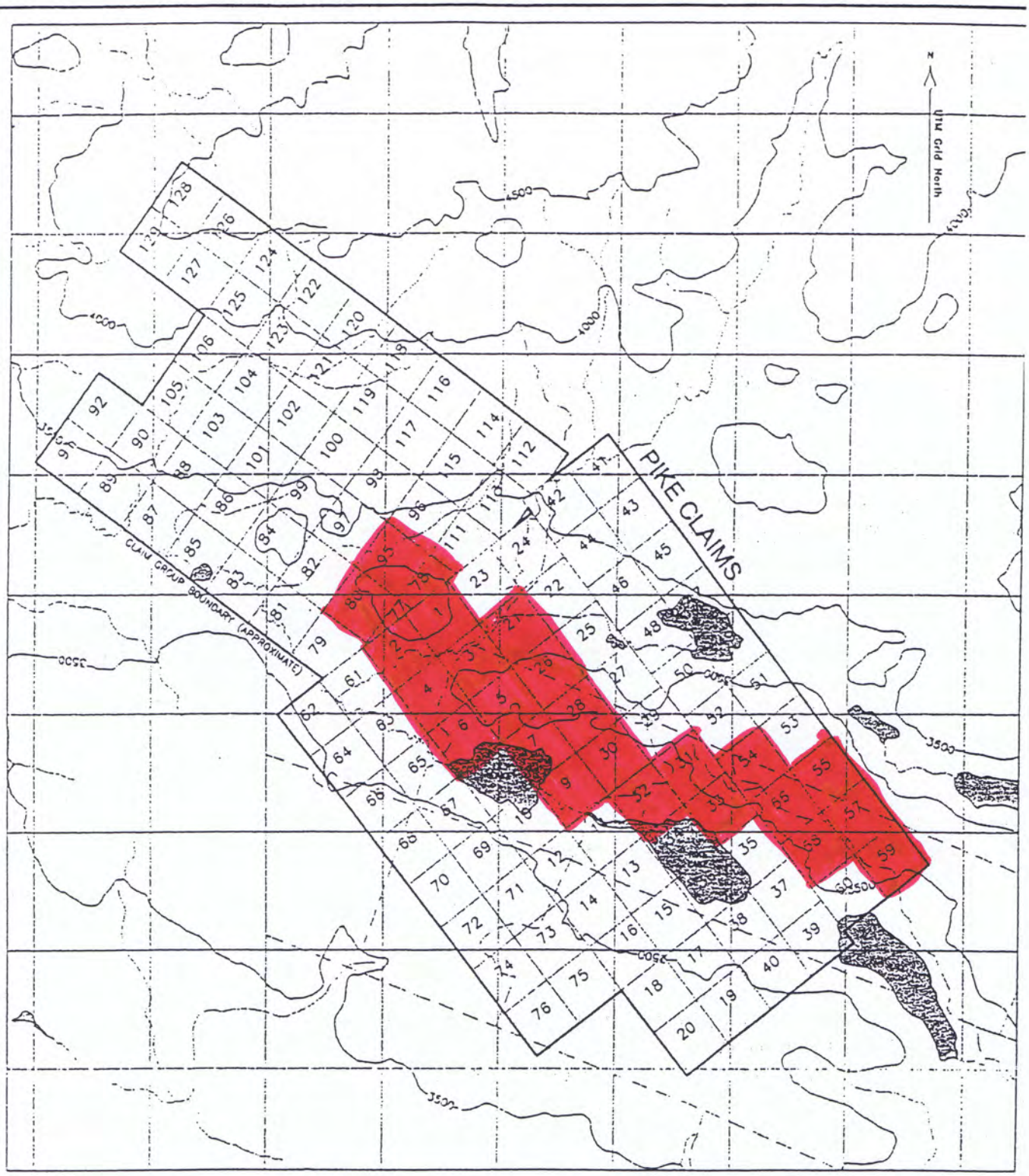
No special environmental concerns are known for this area. The Department of Indian and Northern Affairs is implementing land use regulations in the Yukon Quartz Mining Act. Under these regulations, approval of a land use permit is required prior to commencing exploration on a claim group. It is recommended that a Land Use Application 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, serpentinized 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 north-westerly trending fault zones in the Traffic Mountain area may be coeval to the Tintina system.

South of the Selwyn Basin the Yukon Tanana terrain 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 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 deg. and dip 55-75 deg. 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.



0 500 1000 1500

METRES

LEGEND

- elevation contour interval, (500 feet) — 3500
- 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: [illegible]	FIGURE 3

HISTORY

Robert Campbell of the Hudson's Bay Company first explored the Ross River Area by descending the Pelly River in 1840. A trading post was established by the HBC at Francis Lake in the 1850's. Prospectors looking for placer gold deposits entered the country by way of the Liard River system around 1880. Minor amounts were found along bars of 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 sulphide mineralization in volcanogenic and replacement style deposits. A few narrow zones of sulphide mineralization were discovered on claims around Wolverine Lake and at Pelly Banks. In the 1980's the potential for gold mineralization along the Tintina Fault sparked a staking rush and the Ketza River (Canamax) and Grew Creek deposits were outlined.

In the Yukon-Tanana terrain, Cominco discovered massive sulphide 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 sulphide deposit. Cominco staked about 10,000 claims in the district since the discovery of the mineralization. Westmin announced a volcanogenic massive sulphide discovery at the south end of Wolverine Lake in the summer of 1995. Mineralization was also found on the Ice property of Expatriate Resources, the Fire Lake deposit of Pacific Ridge/Welcome Opportunity Joint Venture, the Wolf property of Atna and the Money claims of Atna.

The dramatic increase in the level of exploration around Ross River has led to the re-evaluation of many mineral occurrences including those associated with Cretaceous intrusives in the Selwyn Basin. New significance of this region has been escalated in 1999 and 2000 with the increasing interest in Platinum Group Mineral deposits. The district with its numerous exposures of mafic and ultramafic rock has not been thoroughly explored for PGEs. This extensively mineralized area is highly prospective for the discovery of economic PGE minerals potential in addition to copper, silver and gold values. There is good potential for finding further precious metal mineralization including PGEs.

Atlas Exploration Ltd. originally staked the PIKE property in 1966 after an airborne geophysical survey over the region. Al Kulan originally found copper-silver mineralization 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 and 2) the Poke zone, a strong Ag-As-Cu-Pb-Zn geochemical anomaly.

In 1966-1967 Atlas Explorations Ltd. excavated 16 bulldozer trenches on the Pike and Poke zones totalling 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	0-135Ft.	135Ft.	0.36	2.58
	10-80 Ft.	70 Ft.	0.44	3.86
T-50	0-120Ft.	120Ft.	0.29	1.59
	25-60 Ft.	35 Ft.	0.61	2.48
TRENCH NO.	**INTERVAL**	**LENGTH**	**AVERAGE CU(%)**	**AVERAGE AG(opt)**
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	70-225Ft.	35 Ft.	Tr	4.33

One packsack drill hold (24 m) 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 totalling 280.1 m in 1981. The holes intersected metasedimentary units and the porphyritic granite 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 phyric, minor arsenopyrite

Triassic

Trd – Fine to medium-grained greestone (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

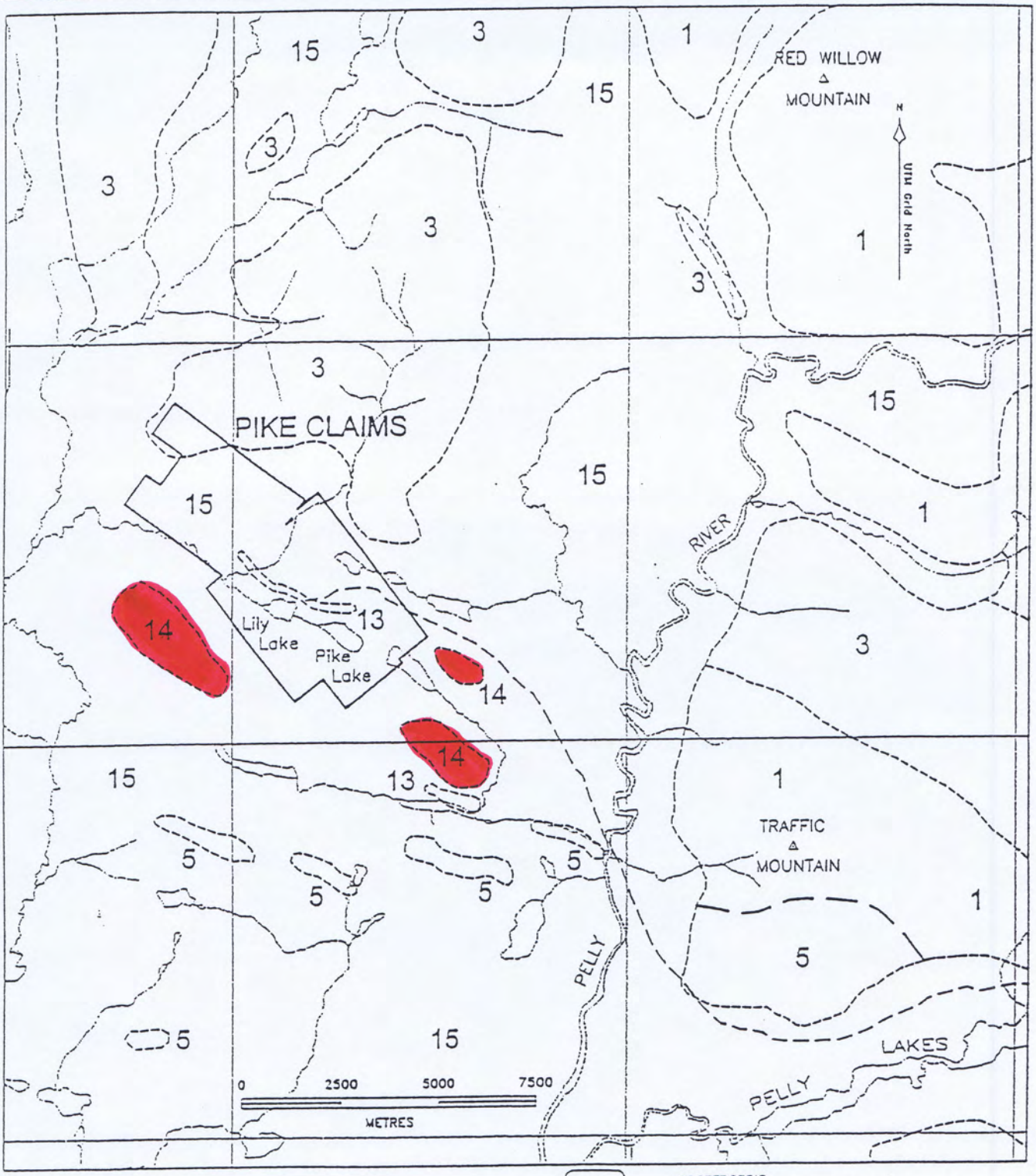
Ordovician and Silurian

(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

Graham Davidson, Consulting Geologist

SCALE: 1 : 150,000	FILE: 245_4	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 4

RECENT EXPLORATION

Peter Risby examined the property in July 2000, gathering additional information with regard to the geological setting and obtained samples that were analyzed for PGE content. Professional prospector Peter Risby, a prospecting assistant and a laborer, examined the PIKE property in August of 1999. Rock sampling and trenching was carried out on claims to re-expose earlier workings dating back to 1967. Crews from Homestake Canada (August 23, 1998), Viceroy International Exploration (July 21-22, 1997), Teck Mining Corp. (June 25 & 27, 1997), Hastings Management Corp. (Sept. 3-5, 1996) also examined the PIKE.

The following personnel have worked on the Pike claims in recent years:

July 27/31, 2000	P. Risby (prospector)
August 21-25, 1999:	P. Risby (prospector)
	C. Risby (prospector assistant)
	R. Quesnel (laborer)
August 23, 1998:	M. Papageorge (geologist)
	P. Risby (prospector)
July 11 & August 1, 1997:	P. Risby (prospector)
July 21-22, 1997:	C. Shulze (senior geologist)
	G. Macintosh (geologist)
	P. Risby (prospector)
June 25 & 27, 1997:	J. Poulter (senior geologist)
	L. Grexton (geologist)
	P. Risby (prospector)
Sept. 3-5, 1996:	P. Van Angeren, (p. geologist)
	P. Risby (prospector)
	M. Barker (prospector assistant)

PROPERTY GEOLOGY AND MINERALIZATION

The rocks exposed on the PIKE claims are Highland Group meta-sediments 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. Movement on thrust and/or normal faults may have emplaced granite rocks. Figure 5 shows the property geology.

The Pike district with its numerous exposures of mafic and ultramafic rock has not been thoroughly explored for PGEs. This extensively mineralized property is highly prospective for the discovery of economic PGE minerals potential in addition to copper, silver and gold values.

The following units were identified:

- Permian dark green aphanitic basalt, dunite, peroxinite, peridotite, serpentinized equivalents and quartz carbonate rock. (14)

- 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): gray or black silicified, gossan zones around the granitic sills.

- Quartzite (1a) typically bedded light gray 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 gray-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 and 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.

Samples collected in 1996-1999 produced similar results to those obtained by Atlas and Noranda.

Selected sample results and descriptions for the recent samples are listed in the Table below:

TABLE IV

SELECTED SAMPLE VALUES

Samples taken by Hastings Management (*); Viceroy (**); Teck Corp. (***); Homestake (****);

Sample Number	Width M	AU PPB	AG PPM	CU PPM	AS PPM	PB PPM	ZN PPM
231432*	1	240	105	10170	1.30%	1160	2860
231441*	GRAB	170	75	8940	21.50%	900	1340
515472**	GRAB	865	34	2400	10000	266	220
517932**	GRAB	20	86.6	1.80%	84	36	970
517933**	1	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	17.80%	2182	1261
37410***		145	63.2	1.51%	6.10%	206	1172
37482***		225	118.4	901	8.36%	1.18%	1201
37485***		10	606.8	2279	5165	9.63%	3.94%
01324****	ROCK	52	135.8g/mt	3418	1.60%	3421	6632
01325****	ROCK	286	1030.9g/mt	4.20%	15%	19440	4.30%
01326****	ROCK	197	18	392	19%	6358	10272
01327****	ROCK	180	46	5381	13%	1843	960
01328****	ROCK	232	59.1	3682	8.60%	1342	1058
19705****	ROCK	766	41.1	4618	13%	824	853
19706****	ROCK	2	25.5	1323	814	1666	806
19707****	ROCK	950	11.4	627	29%	3027	323
19708****	ROCK	56	13.2	414	5.50%	687	380
19709****	ROCK	2	4.2	30	761	257	25
1999		**PPB**	**g/mt**	**%**		**%**	**%**
1		<5	44.6	0.132		1.19	4.28
2		<5	53.3	0.074		1.92	2.92
3		142	379	0.748		1.21	1.82
4		528	86.2	0.987		0.409	0.328
5		450	254	0.532		0.875	3.38
6		601	585	0.981		3.290	2.01
7		583	111.3	0.19		0.541	0.62
8		303	330	1.07		3.000	3.3
9		584	143.9	0.407		0.219	0.07
10		250	373	1.1		0.783	1.08
11		1471	38.7	0.193		0.086	0.072
12		140	119.1	1.27		0.433	0.662
13		336	131	0.223		0.713	0.328
14		1908	80.7	0.45		0.402	0.227

SAMPLE RESULTS CONTINUED:

Samples collected in 2000 produced highly prospective platinum group mineral results.

Select sample results and descriptions for the recent samples are listed in the Table below:

TABLE IV - continued
SELECTED SAMPLE VALUES

Sample Number 2000	Type	AU 30g ppb	PT 30g ppb	PD 30g ppb
288367	Rock		290	37
Risby-1	Rock	170	15	<5

Samples tested for PGM potential indicate that further exploration for platinum group metals is warranted.

The ultra-basic geology is consistent with platinum values.

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 importance of this geological feature identifies the highly prospective significance with respect to Platinum Group Mineral (PGM) exploration.
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

Risby holds a promising prospect with respect to the Platinum Group Mineral (PGM) potential of this property. In addition to the PGEs, there is also good potential for discovering additional copper, silver, gold, lead, and zinc 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, geophysics and bulldozer trenching. To date, numerous rock and chip samples of the mineralization have produced economic copper, lead, zinc and silver grades. The platinum group mineral potential remains highly prospective for this property due to the 2000 exploration results that revealed PGEs up to 327 ppb. The identification of mafic and ultramafic intrusives on the PIKE property suggests that further PGE exploration is warranted.

Two main target areas are identified on the property:

1) The Pike Zone
2) The Poke Zone

Further exploration including extensive prospecting is warranted in order to properly evaluate the platinum group potential of this property. Mapping of the mafic and ultramafic intrusions is warranted to effectively access the two main zones as well as the potential for expansion of these mineralized zones.

POTENTIAL EXPLORATION PROGRAM

Mapping and prospecting of the mafic and ultramafic intrusions is warranted. Samples should be collected and assaying for PGM potential be completed. Compilation and interpretation of all existing assessment data followed by grid development (cutlines) over selected portions of the anomalies. IP and/or max-min surveys are recommended over the anomalies to determine drill site selection.

Diamond drilling, 300 meters on geophysical and geological targets.

EXPLORATION PROGRAM BUDGET

Computerized database	$ 5,000.00
Diamond drilling, 300 meters at $130/m	37,500.00
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	18,000.00
Camp, supplies and support	15,000.00
Transportation, helicopter, 60 hrs @ $800/hr.	50,000.00
Geochemistry, assays	4,000.00
Report, maps and assessment	6,500.00
Sub total	$155,000.00
Contingency – 10%	$ 15,500.00
TOTAL	$170,500.00

CERTIFICATE

I, Peter Risby, of the town of Dawson City, in the Yukon Territory, hereby Certify:

1. That I am a professional prospector and that I have reviewed data provided by P. Risby, Homestake Canada, Teck Exploration Ltd., Viceroy International Exploration Ltd. and Hastings Management Ltd.

2. That I have been working as a prospector since 1964, beginning my career in the Yukon Territory.

3. That I am a professional prospector, having been inducted to the Yukon Prospector's Hall of Fame in November 1996.

4. That I have been engaged in mineral exploration for over 35 years in the Yukon, Northwest Territories, British Columbia, Alaska and many other parts of the United States, Mexico and South America.

Signed at Whitehorse, Yukon, this 1st day of October, 2000.

Peter Risby

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, voleanogenic 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.

Papageorge Mike, 1998; Assessment Report on Pike Claims for Homestake Canada.

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

STATEMENT OF COSTS

The following work was completed on behalf of the Gullen Risby Family Trust between July 27 to July 31, 2000.

1 man day @ 200.00/day	$ 200.00
1 man day @200.00/day	$ 200.00
Helicopter Invoice	$ 911.12
Helicopter Invoice	$1905.06
Assaying	$ 32.64
Assaying	$ 32.64
TOTAL	$3281.46

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Invoice for Analytical Services

To:

Pete Risby

Invoice Date: 22/08/2000

WO# 00110

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
1	Rock/D.C. Sample Preparation	5.50	5.50
	Analyses:		
1	Au, Pt, Pd 30g FA/AAS	25.00	25.00
	Subtotal		30.50
	GST @7% (R 121285662)		2.14
	Total due on receipt of invoice		$32.64

2% per month charged on overdue accounts

TRANS NORTH HELICOPTERS
TRANS NORTH TURBO AIR LTD.
20 NORTH ... ROAD • WHITEHORSE • YUKON • Y1A 6E6
TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER: ...341

INVOICE NUMBER: 24234

INVOICE DATE	AREA
31 07 00	B.C. / YUKON / NWT / ALTA

CHARTERER: Pete Risby

BILLING ADDRESS: 42 Donjek Road, Whitehorse YT Y1A 3K1

A/C TYPE	AIRCRAFT REGISTRATION C
B HC 6	C C H C

FLIGHT DATE	DAY	MONTH	YEAR
	27	7	00

PURCHASE ORDER NO.

FUEL & OIL-X TNTA / CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓ TNTA	1354		YXY

FROM: YDA
TO: Traffic Mtn

UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
	0.3	2 PAX TO TRAFFIC MTN
	0.5	MOVE 4 TIMES +
		FEEL AREA
	0.3	RETURN ROSS RIVER

K / V
AUG - 2 2000
T.N.T.A.

SUB	G.L.	AMOUNT
1006	502	770.00
1006	511	81.51
0000	323	59.61

	1.1	@ 700.00	770.00
		@	
HOLDING TIME:		@ / HR.	
FUEL	1354	@ .0615 / LITRE	81.51
FUEL		@ / LITRE	
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL			851.51
GOODS & SERVICES TAX REGISTRATION NO. R121483135			59.61
TOTAL			$ 911.12

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS	PILOTS SIGNATURE
SRC	[signature]

	ENGINEER'S NAME
BHM	MACDONALD

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

TRANS NORTH HELICOPTERS
TRANS NORTH TURBO AIR LTD.
20 NORTH ... ROAD • WHITEHORSE • YUKON • Y1A 6E6
TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER: ...1518

INVOICE NUMBER: 24283

INVOICE DATE	AREA
31 07 00	B.C. / YUKON / NWT / ALTA

CHARTERER: PETE RISBY

BILLING ADDRESS:

A/C TYPE	AIRCRAFT REGISTRATION C
BHC 6	C C H C

FLIGHT DATE	DAY	MONTH	YEAR
	30	07	00

PURCHASE ORDER NO.

FUEL & OIL-X TNTA / CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓ TNTA	2122		YXY

FROM: YDM
TO: TRAFFIC MTN MTN

UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
	2.3	SAMPLE TRAFFIC MTN
		SLURRY CK. ...
		SHOWN RIVER
		WORK AROUND
		MT ST/YR, TUCK
		PEAK

K / V
AUG - 2 2000
T.N.T.A.

SUB	G.L.	AMOUNT
1006	502	1610.00
1006	511	170.43
0000	323	124.63

	2.3	@ 700.00	1610.00
		@	
HOLDING TIME:		@ / HR.	
FUEL	2122	@ .0615 / LITRE	170.43
FUEL		@ / LITRE	
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL			1780.43
GOODS & SERVICES TAX REGISTRATION NO. R121483135			124.63
TOTAL			$ 1905.06

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [signature]
CHARTERER'S SIGNATURE

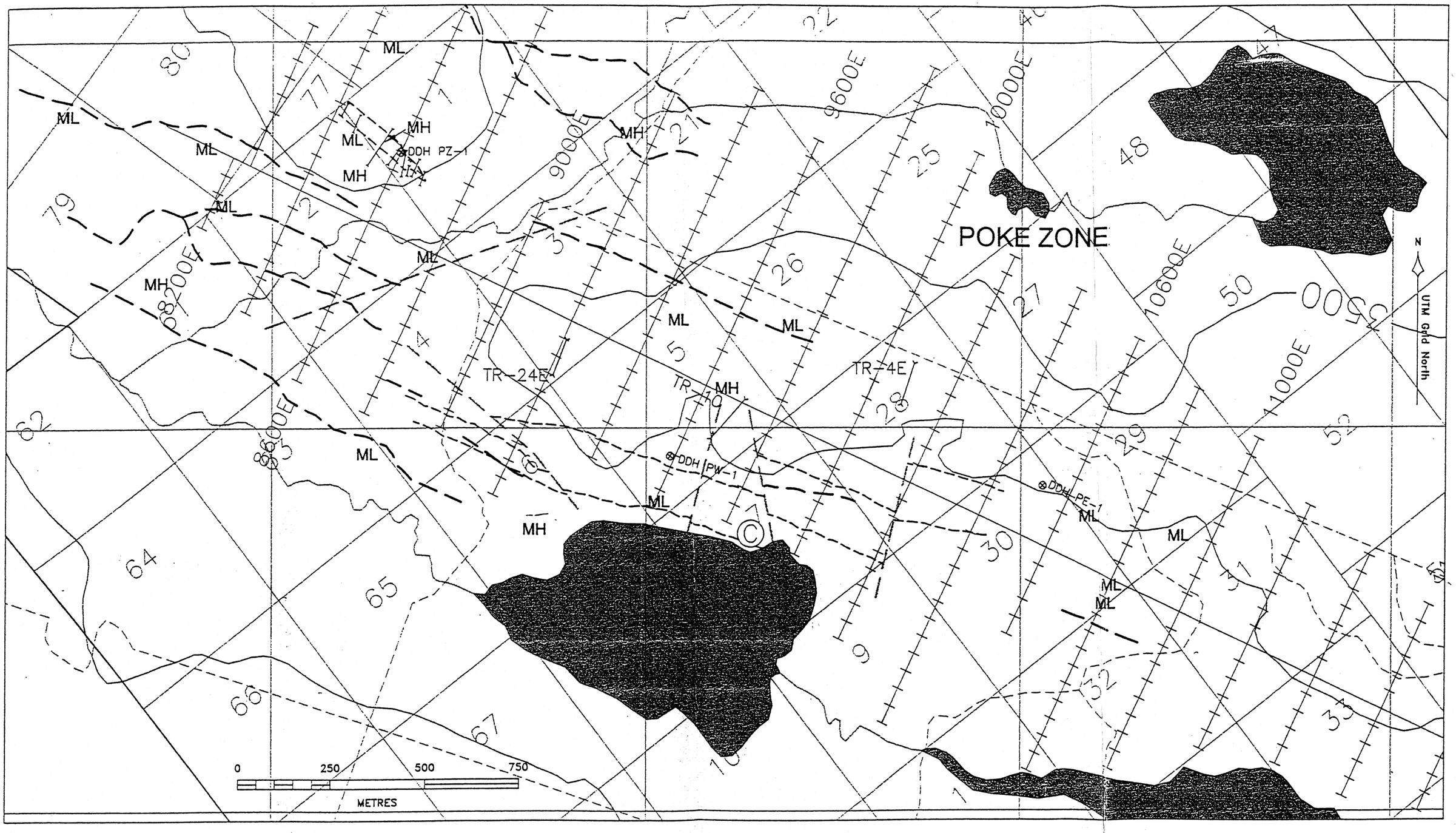
CHARTERER'S NAME (PRINTED)

INITIALS	PILOTS SIGNATURE
SRC	[signature]

	ENGINEER'S NAME
BHM	MACDONALD

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

ACCOUNTING



LEGEND

elevation contour interval, (500 feet)	3500	bulldozer trench	
stream, creek		camp location	©
trail		Geologic contact	
claim group boundary		Fault	
claim line		EM, electromagnetic conductors CRONE EM	
rock sample, no.	△ 21501	Mag high	MH
diamond drill hole, no.	⊗ DDH PE-1	Mag low	ML

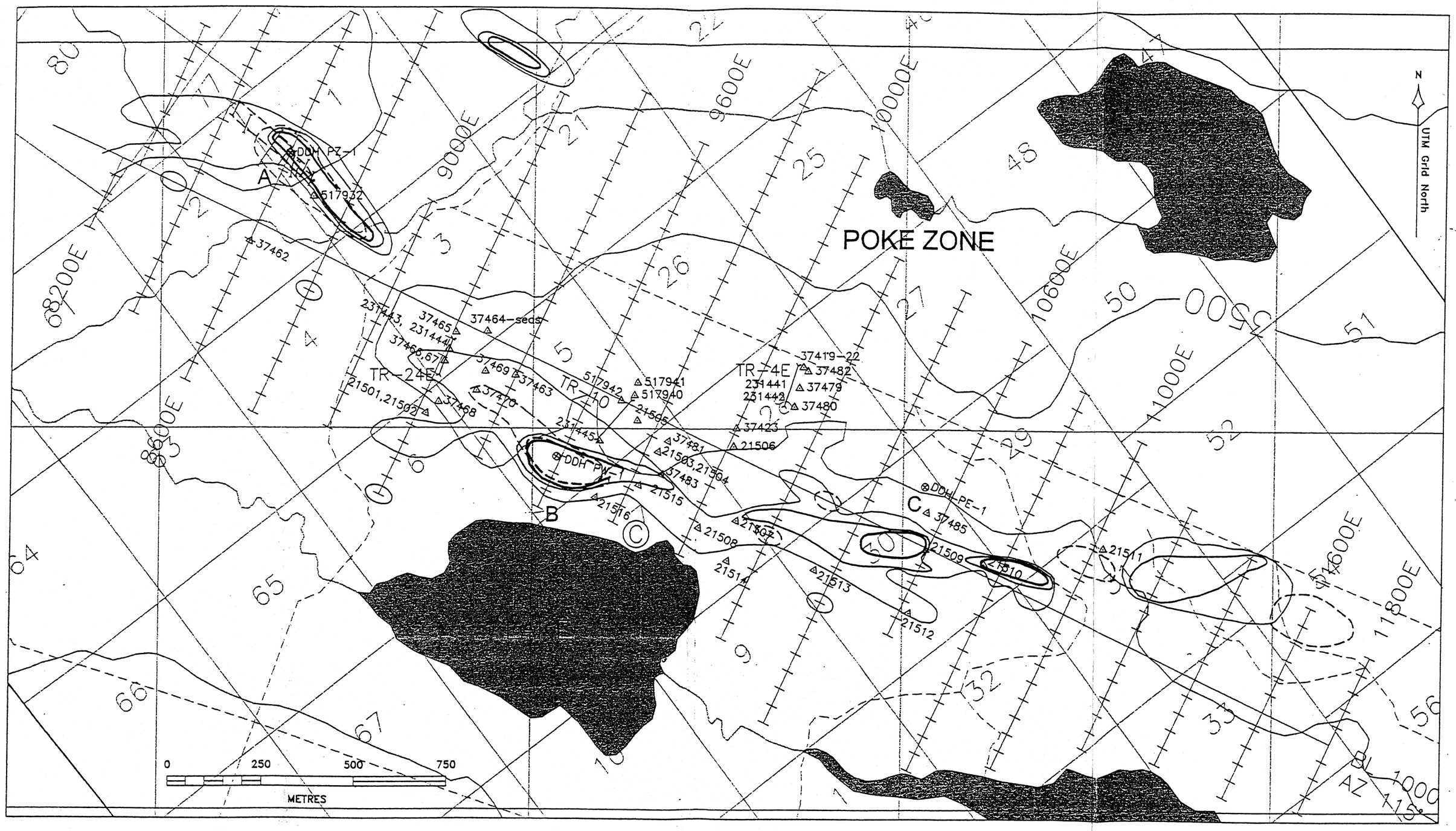
NEWRISE RESOURCES

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



LEGEND

elevation contour, interval, (500 feet)	3500
stream, creek	
trail	
claim group boundary	
claim line	
rock sample, no.	△ 21501
diamond drill hole, no.	⊗ DDH PE-1
bulldozer trench	
camp location	©
geologic contact, approximate	

Geochemical Contours *

- As >100 ppm
- As >500 ppm
- As >1000 ppm
- Cu >100 ppm
- Cu >500 ppm

* After Noranda soil data, 1989

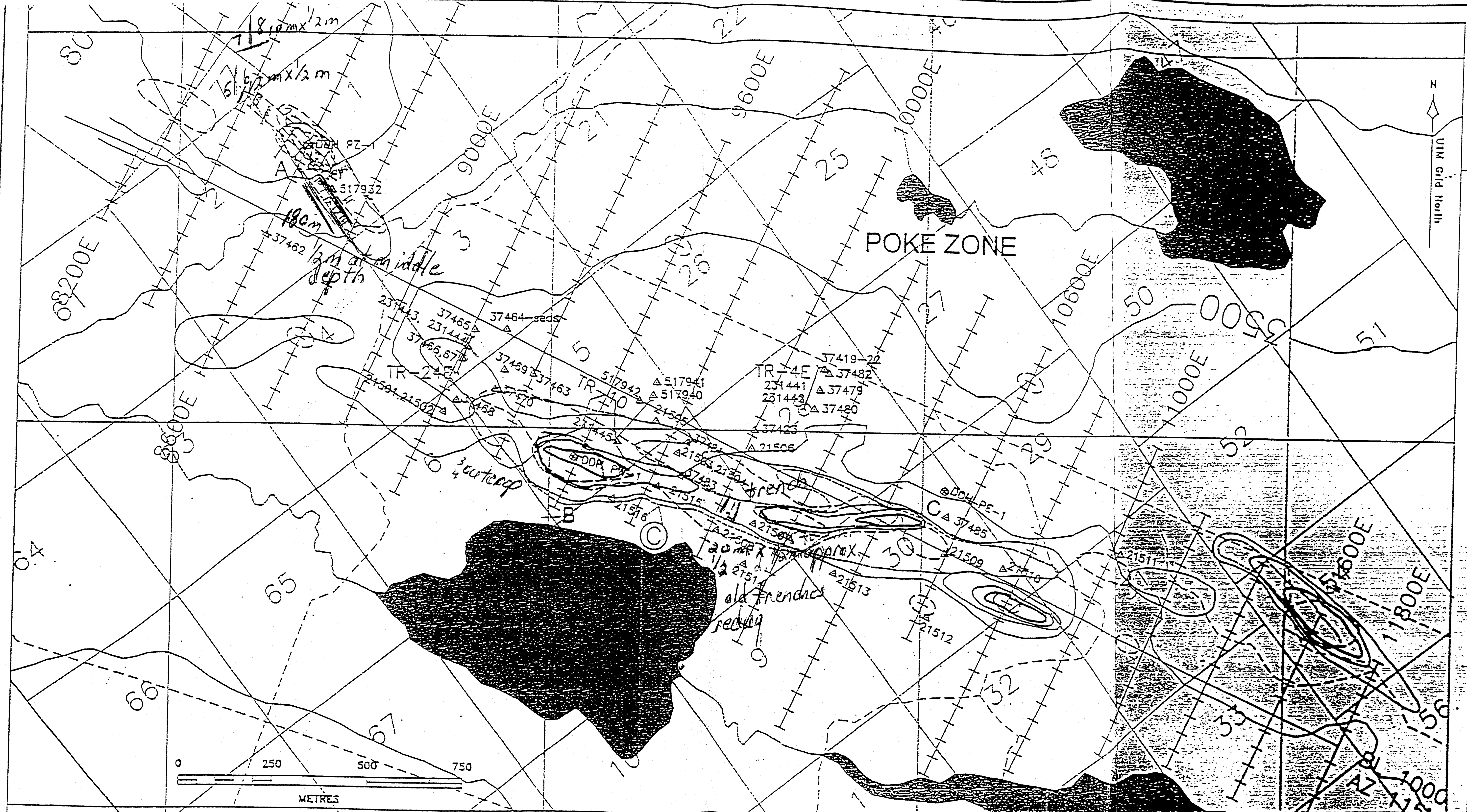
NEWRISE RESOURCES

PIKE PROPERTY

COMPILATION MAP, Cu-As Contours

Graham Davidson, Consulting Geologist

SCALE: 1:10,000	FILE: 245_7	DATE: 98.02.14
NTS: 105 J/2	DRAWN:	FIGURE 8



LEGEND

elevation contour interval, (500 feet)	3500	bulldozer trench	
stream, creek		camp location	©
trail		geologic contact, approximate	
claim group boundary			
claim line			
rock sample, no.	△ 21501		
diamond drill hole, no.	⊗ DDH PE-1		

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

SCALE: 1:10,000

NTS: 105 J/2

FIGURE: 7

POKE ZONE

N

UTM Grid North

A

B

C

DDH PZ-1

DDH PE-1

517932

37462

231443, 231444

37465

37464-seds

37466,67

37469

37463

TR-24E

21501,21502

37468

37470

517942

517941

517940

21505

TR-10

TR-4E

37419-22

37482

231441

37479

231442

37480

37423

21506

231445

37484

21503,21504

37483

21515

21516

21507

21508

21514

21513

21512

21509

21510

21511

37485

0 250 500 750

METRES

LEGEND

elevation contour interval, (500 feet)	3500
stream, creek	
trail	
claim group boundary	
claim line	
rock sample, no.	△ 21501
diamond drill hole, no.	⊗ 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

APPENDIX II-CERTIFICATES OF ANALYSIS

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

22/08/2000

Certificate of Analysis

Pete Risby

# of pages (not including this page): 1

WO# 00110

Certified by
Justin Lemphers (Senior Assayer)

Date Received: 17/08/2000

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	1	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au 30g	ppb	Gold	G: FA/AAS	30g FA / aqua regia	5	7000
Pt 30g	ppb	Platinum	G: FA/AAS	30g FA / aqua regia	5	7000
Pd 30g	ppb	Palladium	G: FA/AAS	30g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry
FA = fire assay

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

22/08/2000 Certificate of Analysis

Pete Risby WO# 00110

Certified by

Sample #	Au 30g ppb	Pt 30g ppb	Pd 30g ppb
RISBY-1	170	15	<5

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

RUSH

WO# 00083

Certified by

	Sample #	Au 30g ppb	Pt 30g ppb	Pd 30g ppb
ss	288384	<5	<30	<5
ss	288386	85	<30	<5
ss	288388	495	<30	<5
ss	288391	20	<30	<5
ss	288393	264	<30	<5
ss	288404	8	<30	<5
c	PIKE ⇒ 288367		290	37
c	288374		<140	28
c	288376		<70	<10
c	288383		<45	7
c	288385		<90	14
c	288387		<60	<15
c	288389		<50	<10
c	288390		<30	<5
c	288392		<30	<5
c	288403		<110	<20
c	288405		<55	<10

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-48-4s	FW + 5	1.00	granite	0.07	0.07	19	760	1.3	1610	3000
231432	Tr-48-4s	FW + 10	1.00	granite	0.24	0.24	105	10170	5.7	1160	2860
231433	Tr-48-4s	FW	1.00	granite	-	-	43	1220	7.8	970	780
231434	Tr-48-4s	FW + 15	1.00	granite	0.07	0.07	98	2470	2.5	2680	3700
231435	Tr-48-4s	FW + 20	1.00	granite	0.07	0.07	24	3050	0.3	1420	1160
231436	Tr-48-4s	FW + 30	1.00	granite	0.07	0.07	71	1720	1.4	960	1560
231437	Tr-48-4s	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

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: 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	8.10	5.3	0.35	50
231434	205	234	88.0	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	1.90	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	120
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: Stewart Buchler

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: HASTINGS MANAGEMENT CORP.

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

Project: PIKE
Comments: ATTN:PHIL VAN ANGEREN

Page Number : 1-B
Total Pages : 1
Certificate Date: 30-OCT-96
Invoice No. : 19633020
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	2960	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	0.95	< 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	0.286	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	30	1040	12.10	< 0.001

CERTIFICATION: Kurt Bucklar

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: HASTINGS MANAGEMENT CORP. ##

1000 - 675 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	3208	294	< 0.07	< 0.07	< 0.002	1082	18.68					
231432	3208	294	0.24	0.24	0.002	1228	12.16					
231433	3208	294										
231434	3208	294	< 0.07	< 0.07	< 0.002	1337	6.07					
231435	3208	294	< 0.07	< 0.07	< 0.002	1281	20.95					
231436	3208	294	< 0.07	< 0.07	< 0.002	1405	6.91					
231437	3208	294	< 0.07	< 0.07	< 0.002	918	14.92					
231438	3208	294										
231439	3208	294	< 0.07	< 0.07	< 0.002	1021	14.72					
231440	3208	294	< 0.07	< 0.07	0.006	1221	8.43					
231441	3208	294	0.17	0.17	0.004	969	19.40					
231442	3208	294	< 0.07	< 0.07	< 0.002	1055	2.39					
231443	3208	294	< 0.07	< 0.07	< 0.002	1035	12.99					
231444	3208	294	< 0.07	< 0.07	< 0.002	1205	2.66					
231445	3208	294										

CERTIFICATION:

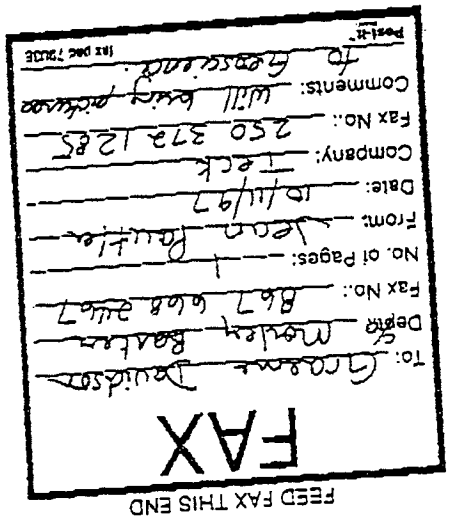
Pike

Sample Nos	37401 - 410	(10)	
	37419 - 423	(5)	
	37451 - 460	(10)	
	S37461	(Soil) (1)	
	37462 - 470	(9)	
	37479 - 485	(7)	@ 20. ea
		42	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	#2,835.	2,835
			5,375



9-Jul-97

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

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

ICP CERTIFICATE OF ANALYSIS AK 97-628R

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

ATTENTION: JEAN PAUTLER

No. of samples Received: 25
Sample Type: ROCK
PROJECT #: 1389-8
SHIPMENT #: 1
Samples 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	37401	>1000	>30	0.14	>10000	100	<5	0.04	610	288	65	5777	>10	<10	<0.01	16	17	<0.01	9	<10	2182	<5	<20	6	<0.01	<10	4	<10	<1	1261
2	37402	155	>30	0.15	>10000	50	<5	0.06	<1	15	84	>10000	6.45	<10	<0.01	10	6	<0.01	3	>10000	780	<5	60	3	<0.01	<10	2	<10	<1	>10000
3	37403	260	>30	0.06	>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	0	440	104	<5	<20	10	<0.01	<10	7	<10	20	498
5	37405	205	>30	0.16	>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	20	5	<0.01	3	400	498	<5	<20	4	<0.01	<10	3	<10	16	427
7	37407	5	>30	0.03	7680	15	180	2.50	65	6	228	311	1.17	<10	<0.01	173	9	<0.01	5	<10	6620	<5	<20	53	<0.01	<10	1	<10	<1	4080
8	37408	5	0.6	1.31	145	45	<5	0.04	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	98
9	37409	5	<0.2	1.99	80	60	<5	0.99	3	10	112	142	3.75	<10	0.86	122	5	0.16	6	450	32	<5	<20	76	0.09	<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	208	<5	<20	75	<0.01	<10	2	<10	<1	1172
11	37411	5	0.6	1.25	<5	140	55	0.12	283	30	60	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	3.86	25	70	<5	0.50	521	42	145	>10000	>10	<10	1.47	4470	<1	<0.01	21	<10	>10000	<5	40	10	0.35	<10	85	<10	<1	>10000
13	37413	5	>30	3.72	<5	75	<5	0.65	74	15	144	4566	>10	<10	1.70	3035	<1	0.04	22	650	1646	<5	<20	32	0.25	<10	60	340	<1	4669
14	37414	5	2.0	3.63	20	120	<5	2.56	2	14	80	77	5.10	10	1.05	652	3	0.19	4	000	130	<5	<20	72	0.18	<10	60	10	27	195
15	37415	5	0.6	0.37	<5	35	<5	0.67	1	1	200	24	0.45	<10	0.35	159	8	0.02	0	200	20	<5	<20	18	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	580	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	8460	10	<5	<20	40	0.14	<10	322	<10	48	85
18	37418	5	0.8	0.18	10	25	<5	0.16	<1	1	185	9	0.90	<10	0.09	167	7	0.02	4	130	76	<5	<20	2	<0.01	<10	27	<10	4	53
19	37419	5	2.6	0.50	100	35	<5	1.58	1	5	126	89	2.33	<10	0.20	350	6	0.02	4	270	170	<5	<20	38	0.01	<10	9	<10	26	104
20	37420	5	0.6	0.72	<5	25	<5	1.29	<1	4	145	17	1.79	<10	0.27	386	6	0.03	5	280	48	<5	<20	28	0.03	<10	13	<10	29	51
21	37421	5	<0.2	1.78	30	85	<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	28	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	3.26	20	0.62	634	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	306	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	60	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:																														
Resplit:																														
1	37401	>1000	>30	0.1	>10000	80	<5	<0.01	98	268	36	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	094	220	53	5297	>10	<10	<0.01	3	15	<0.01	5	<10	2090	<5	<20	4	<0.01	<10	2	<10	<1	1184
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
19	37419	.	2.6	0.50	100	35	<5	1.68	2	5	135	80	2.52	<10	0.22	382	7	0.02	6	290	180	<5	<20	41	0.01	<10	10	<10	28	111
Standard:																														
GEO'97			150	1.4	1.73	55	155	<5	1.88	<1	18	82	78	4.04	<10	0.90	663	<1	0.02	24	810	22	<5	<20	63	0.12	<10	76	<10	18	65

dll/606
XLS/97Teck
fax: 372-1205

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

Phone: 604-573-5700

ICP CERTIFICATE OF ANALYSIS AK 97-629

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

ATTENTION: JEAN PAUTLER
No. of samples Received: 31
Sample Type: ROCK
PROJECT #: 1309-8
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	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	0280
2	37463	NO SAMPLE																												
3	37464	5	14.4	3.72	20	50	<5	2.30	97	13	30	415	6.41	<10	0.73	342	<1	0.31	15	880	7700	5	<20	178	0.08	<10	21	<10	<1	5484
4	37465	5	0.4	1.74	30	75	<5	0.84	1	6	61	38	2.49	<10	0.61	198	<1	0.12	2	440	120	<5	<20	51	0.10	<10	31	<10	23	70
5	37466	5	4.6	0.02	1680	45	<5	0.46	<1	5	56	162	2.76	<10	0.36	73	1	0.06	6	370	342	5	<20	20	0.04	<10	14	<10	19	517
6	37467	5	2.6	0.53	65	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	7.33	<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	25.0	2.81	155	45	<5	0.56	237	13	70	1237	>10	<10	1.55	2516	<1	0.07	11	660	656	<5	<20	52	0.15	<10	48	<10	<1	>10000
11	37472	5	>30	5.45	60	45	<5	0.21	>1000	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	1.87	<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	186	3.67	<10	0.66	1058	4	0.01	30	610	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	66
15	37476	5	0.6	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	5	124
16	37477	5	1.0	3.17	10	75	<5	1.96	2	12	76	116	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	65	<5	0.61	240	21	41	2288	>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	629	7.22	<10	3.23	2680	<1	<0.01	3	600	>10000	110	500	<1	0.09	<10	28	<10	<1	>10000
20	37481	5	4.8	0.52	95	35	<5	0.81	9	4	83	152	3.09	<10	0.17	423	3	0.01	5	300	606	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	660	1240	32	<0.01	20	2	<10	<1	1201
22	37483	5	10.6	1.03	1975	30	<5	0.57	<1	8	69	66	2.31	<10	0.34	587	2	0.06	6	350	986	20	<20	32	0.05	<10	16	<10	17	281
23	37485	10	>30	0.06	5165	55	75	0.02	428	12	16	2279	>10	<10	<0.01	615	<1	<0.01	2	<10	>10000	1420	1780	2	<0.01	20	2	<10	<1	>10000
24	37486	5	1.6	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	0.48	<10	<0.01	208	3	<0.01	4	80	36	<5	<20	<1	<0.01	<10	1	<10	<1	33

17-Jul-97

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

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

ICP CERTIFICATE OF ANALYSIS AK 97-627

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

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	56
2	37452	5	29.8	1.84	470	95	<5	0.66	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	6.6	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	37456	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	1409
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	37460	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:																														
Resplit:																														
1	37451	5	<0.2	2.32	30	95	10	>10	<1	9	44	20	2.01	<10	1.85	1310	<1	0.17	16	860	24	70	<20	398	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	071	<1	0.03	25	650	24	5	<20	62	0.14	<10	81	<10	10	65

df/627A
XLS/97Teck
fax: 372-1285

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

ECO-TECH LABORATORIES LTD.

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
Primo 626-13	37413			40.6	1.2					
Pyke 629-8	37469			40.6	1.18				1.83	1.44
629-9	37470					5.98				
Primo SE 629-10	37471	1.5m chip								2.06
Primo W 629-11	37472	boulders from upstream					0.12	2.82	8.89	8.63
Primo W 629-12	37473	boulders		68.3	1.99			5.58		
Pike E 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	
Est Rk 629-23	37485			606.8	17.70				9.63	3.94

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

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

ECO-TECH LABORATORIES LTD.
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- 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:

Mpla	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

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	9	c	1.5	Oc		SLT	Sr	tan		S3	A1				P	5	Gn	2	As	5	28/7/97	GDM	Contact skarn? 15% mineralization
M517938R	PK	9	c	0.5	Oc		Qtz	vein	gry		S2					As	50					28/7/97	GDM	Qtz-arseno vein
M517939R	PK	9	c	1	Oc		LAQM	Mass	gry		S2				wk	P	5	As	1			28/7/97	GDM	Wall rock to M517938R
M517931R	PK	9	g		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	9	g		Tr	OSDr	CH	Brec	lgy		S3	A1			str	Cp	2	P	<1			28/7/97	CS	CH + SST? frac cont sulphides
M517933R	PK	9	c	1	Oc	OSDr	SST	Frac	blk		S2				str	Po	6	Ga	3	P	3	28/7/97	CS	Locally massive Py + Ga
M517935R	PK	9	g		Tr	Kqm	Vn	Gouge	grn		S1	A4				As	10					28/7/97	CS	Arseno - scorodite vein gouge
M517936R	PK	9	g		Tr	Kqm	QBM	Frac	lgy		S3	A2				As	25	Cp	1	Ga	<1	28/7/97	CS	Sheeted fracture cont. sulphides
M517937R	PK	9	g		Tr	Kqm	QBM	Frac	buff	C1	S3	A2			tr	As	4	Cp	2	P	3	28/7/97	CS	Fracturecont. sulphides
M517940R	PK	9	c	1	Oc	Kqm	QBM	Fol	tan		S1	A2			wk							28/7/97	CS	Fract. cont. argillic alt; Central Sho
M517941R	PK	9	g		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	9	g		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	9	c	2	tr	Kqm	QBM	Jted	lgy		S2				mod	As	3	Po	3	Cp	tr	16/7/97	CS	Jt cont As vns crossculting dyke
M515471R	PK	9	c	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			tr	Kqm	Vn	Band	dgy						mod	As	50	Po	3	Cp		16/7/97	CS	Higrade of trench material M51547
M519368R	PKB	9	g		Oc	OSDr	SS	Horn	gry	C1	S1					Po	1							
M519369R	PKB	9	c	0.3	Oc	OSDr	SLT	Frac	gry		S1					P	3							

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

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9736081

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 %	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	30
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	0.05	60
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	3.38	< 10	< 10	0.68	10	1.07	195
MS17931R	205	226	< 5	52.6	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	3.43	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	35

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212 Brooksbank Ave., North Vancouver
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To: VICEROY INTERNATIONAL EXPLORATION

BAG5040
DAWSON CITY, YT
Y0B G0

Project : 4340 03 5333
Comments: ATTN:RICK DIMENTAL, JAMRICH

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

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9736081

SAMPLE	PREP CODE		Mo ppm	Mn %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R517935R	205	226	< 1	< 0.01	< 1	130	726	584	< 1	4	< 0.01	< 10	< 10	4	< 10	260
R517936R	205	226	< 1	< 0.01	< 1	80	>10000	4760	< 1	8	< 0.01	< 10	< 10	3	< 10	>10000
R517937R	205	226	< 1	< 0.01	2	250	2420	288	< 1	9	< 0.01	< 10	< 10	2	< 10	3030
R517938R	205	226	< 1	< 0.01	1	250	1250	192	1	8	< 0.01	< 10	< 10	6	< 10	320
R517939R	205	226	< 1	0.08	3	440	210	14	5	38	0.01	< 10	< 10	25	< 10	82
R517940R	205	226	1	0.01	2	160	384	20	< 1	8	< 0.01	< 10	< 10	4	< 10	358
R517941R	205	226	< 1	0.06	13	340	>10000	48	3	58	0.01	< 10	< 10	78	< 10	>10000
R517942R	205	226	4	0.23	33	1720	30	< 2	7	135	0.11	< 10	< 10	121	< 10	82
R517931R	205	226	8	0.05	9	540	1590	26	3	25	0.01	< 10	< 10	67	< 10	530
R517932R	205	226	14	0.08	10	Intf*	36	< 2	1	13	0.01	< 10	< 10	105	< 10	970
R517933R	205	226	9	0.01	42	930	950	18	3	94	0.11	< 10	< 10	130	< 10	>10000
R517934R	205	226	6	0.11	5	320	6790	52	2	31	0.01	< 10	< 10	31	< 10	878

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To: VICERY INTERNATIONAL EXPLORATION

BAG 5-0
DAWSON CITY, YT
Y0B 1C

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

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

CERTIFICATE OF ANALYSIS A9738491

SAMPLE	PREP CODE		Ag FA g/t	Cu %	Pb %	Zn %
N517932R	244	--	-----	1.80	-----	-----
N517933R	244	--	-----	-----	-----	1.13
N517934R	244	--	114	-----	-----	-----
N517936R	244	--	205	-----	2.17	1.64
N517941R	244	--	92	-----	2.44	1.81

CERTIFICATION: Said Ceina

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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 50-40
DAWSON CITY, YT
Y0B 1G0

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

Page Number : 1-A
Total Pages : 2
Certificate Date: 03-OCT-97
Invoice No. : 19744536
P.O. Number :
Account : CQN

CERTIFICATE OF ANALYSIS A9744536

SAMPLE	PREP CODE		Au ppb FOOBH	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
KC389367R	255	295	25	3.8	0.48	704	20	2.0	2	0.13	< 0.5	1	121	9	1.61	< 10	< 10	0.26	10	0.04	7310
KC389368R	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
KC389369R	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
KC389370R	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
KS15451R	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
KS15452R	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
KS15453R	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
KS15454R	255	295	510	41.8	0.44	>10000	< 10	1.5	< 2	0.05	2.5	6	118	16	3.62	< 10	< 10	0.23	< 10	0.03	7520
KS15455R	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
KS15456R	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
KS15457R	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
KS15458R	255	295	380	3.8	0.22	>10000	< 10	1.5	2	1.03	1.0	2	165	8	2.80	< 10	< 10	0.13	< 10	0.08	>10000
KS15459R	255	295	80	96.2	0.45	854	20	1.0	16	0.02	< 0.5	< 1	160	151	1.45	< 10	< 10	0.32	20	0.02	345
KS15460R	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
KS15461R	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
KS15462R	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
KS15463R	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
KS15464R	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	155
KS15465R	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
KS15466R	255	295	2720	95.6	0.10	>10000	30	< 0.5	< 2	0.01	19.5	< 1	110	335	6.30	< 10	10	0.09	< 10	< 0.01	1965
KS15467R	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
KS15468R	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
KS15469R	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
KS15470R	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	20	0.38	60
KS15471R	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
KS15472R	255	295	865	34.0	0.07	>10000	< 10	< 0.5	426	< 0.01	>100.0	33	3	3400	>15.00	< 10	10	0.06	< 10	< 0.01	10
KS15473R	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
KS15474R	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
KS15475R	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
KS15476R	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
KS15477R	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
KS15478R	255	295	< 5	2.0	0.42	58	60	0.5	2	< 0.01	1.0	< 1	134	19	1.08	< 10	10	0.37	10	< 0.01	40
KS15479R	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
KS15480R	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
KS15481R	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
KS15482R	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
KS15483R	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
KS19368R	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
KS19369R	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	320

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. JAMRICK

Page Number :1-B
Total Pages :2
Certificate Date: 03-OCT-97
Invoice No. :19744536
P.O. Number :
Account :OQN

CERTIFICATE OF ANALYSIS A9744536

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
MS89367R	255	295	< 1	0.01	3	630	84	14	1	9	< 0.01	< 10	< 10	3	< 10	160
MS89368R	255	295	< 1	0.01	2	540	30	2	1	11	< 0.01	< 10	< 10	6	< 10	102
MS89369R	255	295	< 1	< 0.01	3	510	22	12	< 1	6	< 0.01	< 10	< 10	4	< 10	26
MS89370R	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	20	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

Silt Sample Description Sheet

Sample No.	Traverse	Zone	% Fines	Colou	Date	Sampler	Comments
M519793T	FKA		100	BRN		SE	1448M FINE ROOTS

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 :OON

CERTIFICATE OF ANALYSIS A9744544

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 %	Mn ppm
5187937	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

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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
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CERTIFICATE OF ANALYSIS A9744544

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
5187937	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	blk		0	bb			100		SE	
PKA 2600		A	60	mod	blk		0	bb			80		SE	
PKA 2650		A	50	mod	blk		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

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To: VICEROY INTERNATIONAL EXPLORATION

BAG 5040
DAWSON CITY, YT
Y0B 1G0

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

Pa mber :1-A
Total ages :3
Certificate Date: 04-O
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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 %	P
PKA0000	201 202	< 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
PKA0100	201 202	< 5	0.2	1.34	2	230	< 0.5	< 2	0.03	0.5	5	21	20	2.31	< 10	20	0.15	10	0.32	2
PKA0200	201 202	< 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
PKA0300	201 202	< 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
PKA0400	201 202	< 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
PKA0500	201 202	< 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
PKA0600	201 202	< 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
PKA0700	201 202	< 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	9
PKA0800	201 202	< 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
PKA0900	201 202	< 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	
PKA1000	201 202	< 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
PKA1100	201 202	< 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
PKA1300	201 202	< 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	
PKA1400	201 202	< 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
PKA1450	201 202	< 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
PKA1500	201 202	< 5	0.2	1.38	18	200	0.5	< 2	0.29	0.5	8	19	28	2.26	< 10	50	0.16	10	0.50	8
PKA1600	201 202	< 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
PKA1650	201 202	< 5	< 0.2	1.26	36	190	< 0.5	< 2	0.21	0.5	10	18	27	2.09	< 10	20	0.12	20	0.58	4
PKA1700	201 202	< 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
PKA1750	201 202	< 5	0.8	1.02	8	210	< 0.5	< 2	0.16	< 0.5	3	14	35	2.00	< 10	150	0.11	10	0.38	2
PKA1800	201 202	< 5	< 0.2	1.68	34	350	< 0.5	< 2	0.06	< 0.5	8	27	38	4.30	< 10	10	0.25	20	0.45	8
PKA1850	201 202	< 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
PKA1900	201 202	< 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	
PKA2000	201 202	< 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
PKA2050	201 202	< 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	
PKA2100	201 202	< 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	1
PKA2150	201 202	< 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
PKA2200	201 202	< 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	1
PKA2350	201 202	< 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	
PKA2400	201 202	< 5	< 0.2	1.23	4	230	< 0.5	< 2	0.50	< 0.5	5	10	12	1.42	< 10	10	0.11	10	0.59	1
PKA2450	201 202	< 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
PKA2500	201 202	< 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
PKA2550	201 202	< 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
PKA2600	201 202	< 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
PKA2650	201 202	< 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
PKA2700	201 202	< 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
PKA2800	201 202	< 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
PKB0000	201 202	< 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
PKB0100	201 202	< 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	
PKB0200	201 202	< 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

CERTIFICATION:

Chemex Labs Ltd.

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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	1500	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	10	< 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	170	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	34
PKB0100	201	202	< 1	0.04	3	210	4	< 2	< 1	10	< 0.01	< 10	< 10	12	< 10	12
PKB0200	201	202	< 1	0.01	25	1110	6	< 2	3	127	< 0.01	< 10	< 10	41	< 10	122

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * 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 DIMENTAL, JAMRICH

Page Number :2-A
Total Pages :3
Certificate Date: 04-OC
Invoice No. :19744
P.O. Number :
Account :OON

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 %	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	0.32	< 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	1.13	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	6	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
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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 :2-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
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

Northern Analytical Laboratories ltd.

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13/09/99

Certificate of Analysis

of pages (not including this page): 1

Pete Risby

WO# 00001

Certified by
John Reeve (Senior Chemist)

Date Received: 03/09/99

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	14	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au	ppb	Gold	G: FA/AAS	15g FA / aqua regia	5	7000
Ag	g/mt	Silver	A: AAS (BC)	aqua regia	1.0	10000
Cu	%	Copper	A: AAS	aqua regia	0.001	#
Pb	%	Lead	A: AAS (BC)	aqua regia	0.001	#
Zn	%	Zinc	A: AAS	aqua regia	0.001	#

AAS = atomic absorption spectrophotometry
FA = fire assay
BC = background correction applied

No reporting limit. Interferences, solubility limits may limit accuracy of AAS at very high grades.

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton

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13/09/99

Certificate of Analysis

Pete Risby

WO# 00001

Certified by

	Sample #	Au ppb	Ag g/mt	Cu %	Pb %	Zn %
r	1	<5	44.6	0.132	1.190	4.280
r	2	<5	53.3	0.074	1.920	2.920
r	3	142	379.0	0.748	1.210	1.820
r	4	528	86.2	0.987	0.409	0.328
r	5	450	254.0	0.532	0.875	3.380
r	6	601	585.0	0.981	3.290	2.010
r	7	583	111.3	0.190	0.541	0.620
r	8	303	330.0	1.070	3.000	3.300
r	9	584	143.9	0.407	0.219	0.070
r	10	250	373.0	1.100	0.783	1.080
r	11	1471	38.7	0.193	0.086	0.072
r	12	140	119.1	1.270	0.433	0.662
r	13	336	131.0	0.223	0.713	0.328
r	14	1908	80.7	0.450	0.402	0.227

55