BUFFALO RESOURCES LTD. - INTERNATIONAL VIKING RESOURCES LTD.

GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT

ON THE PALMIERE SOUTH PROJECT

COMPRISED OF THE ARC 3 & 4 CLAIMS

ESKAY CREEK AREA

LIARD MINING DIVISION

BRITISH COLUMBIA

NTS 104 - B / 10E

W. Longitude: 130° 31′ N. Latitude: 56° 40′

FOR

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BY

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NOVEMBER 19, 1990

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1.0 INTRODUCTION

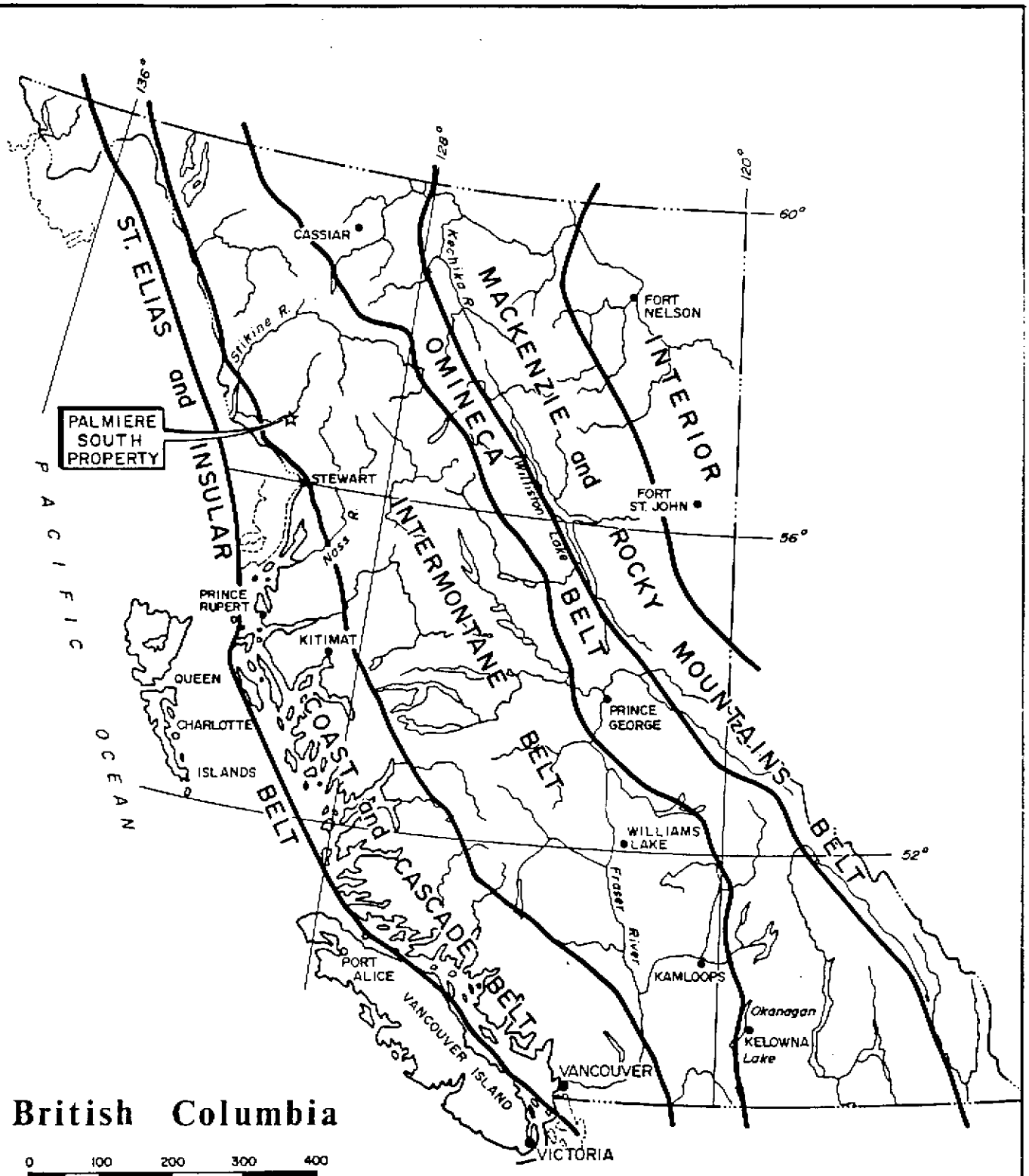
This summary and evaluation of the Palmiere South project has been completed at the request of the Directors of Buffalo Resources Ltd. and International Viking Resources Ltd. The main purpose of the report is to evaluate the precious metal and/or base metal potential of the property and to propose a further exploration program designed to test this potential, if warranted.

This report is based on the results of a $100,000 work programme consisting of bulk stream sampling, prospecting, 1:5,000 scale geological mapping, trenching and rock sampling which was conducted by Hi-Tec Resource Management Ltd. and upon a review of public and private reports pertinant to the area, government geological and topographical maps and claim data from the mining recorder's office. The authors, D.A. Collins and R.F. Brown, worked on the Arc 3 and Arc 4 claims during the 1990 field season.

1.1 Location and Access

The Arc 3 and 4 claims are located within the eastern boundary of the Coast Range Mountains (Figure 1). The property is approximately 300 air kilometers northwest of Smithers, British Columbia, 125 air kilometers east of Wrangell, Alaska and 35 air kilometers east from the Bronson Creek airstrip. The northwest corner of the claims is approximately 7 kilometers southeast of the Iskut River. The claims lie within the Liard Mining Division, on NTS Map 104-B/10E.

The area can be accessed by using fixed wing aircraft from Smithers, Wrangell, Terrace or Stewart to gravel



PALMIERE SOUTH PROPERTY

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General Location Map

HI-TEC RESOURCE MANAGEMENT LTD	SCALE: as shown	N.T.S.: 104 B/10	FIGURE No: 1
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airstrips at Bronson Creek, Snippaker Creek and Johnny Mountain, located on the southern side of the Iskut River. The most economic access to the subject property is by truck from Smithers for a distance of 275 kilometers to Bell II on Highway 37 at the Bell Irving Creek crossing. At the present time, a 205 Helicopter is stationed at Bell II and the claims can be reached by air, a distance of 33 air kilometers to the southwest.

The Provincial Government of British Columbia is to establish a corporation to own, build and maintain an access road into the Iskut River-Eskay Creek area. A proposed link road between the main access road and the Eskay Creek 21 Zone Deposits would pass through the Palmiere Creek valley which crosses the Palmiere South property.

1.2 Property and Ownership

The property consists of two (2) contiguous mineral claims totalling 30 units, held in the name of Buffalo Resources Ltd.

The property is recorded at the British Columbia Ministry of Energy, Mines and Petroleum Resources as follows:

CLAIM	UNITS	RECORD No.	RECORD DATE	EXPIRY DATE*
Arc 3	10	5611	Dec. 31/88	Dec. 31/91
Arc 4	20	5612	Dec. 31/88	Dec. 31/91

* Prior to filing the 1990 assessment work.

The entire property is located on the Mineral Claim Map 104-B/10E (Figure 2).

1.3 Physiography

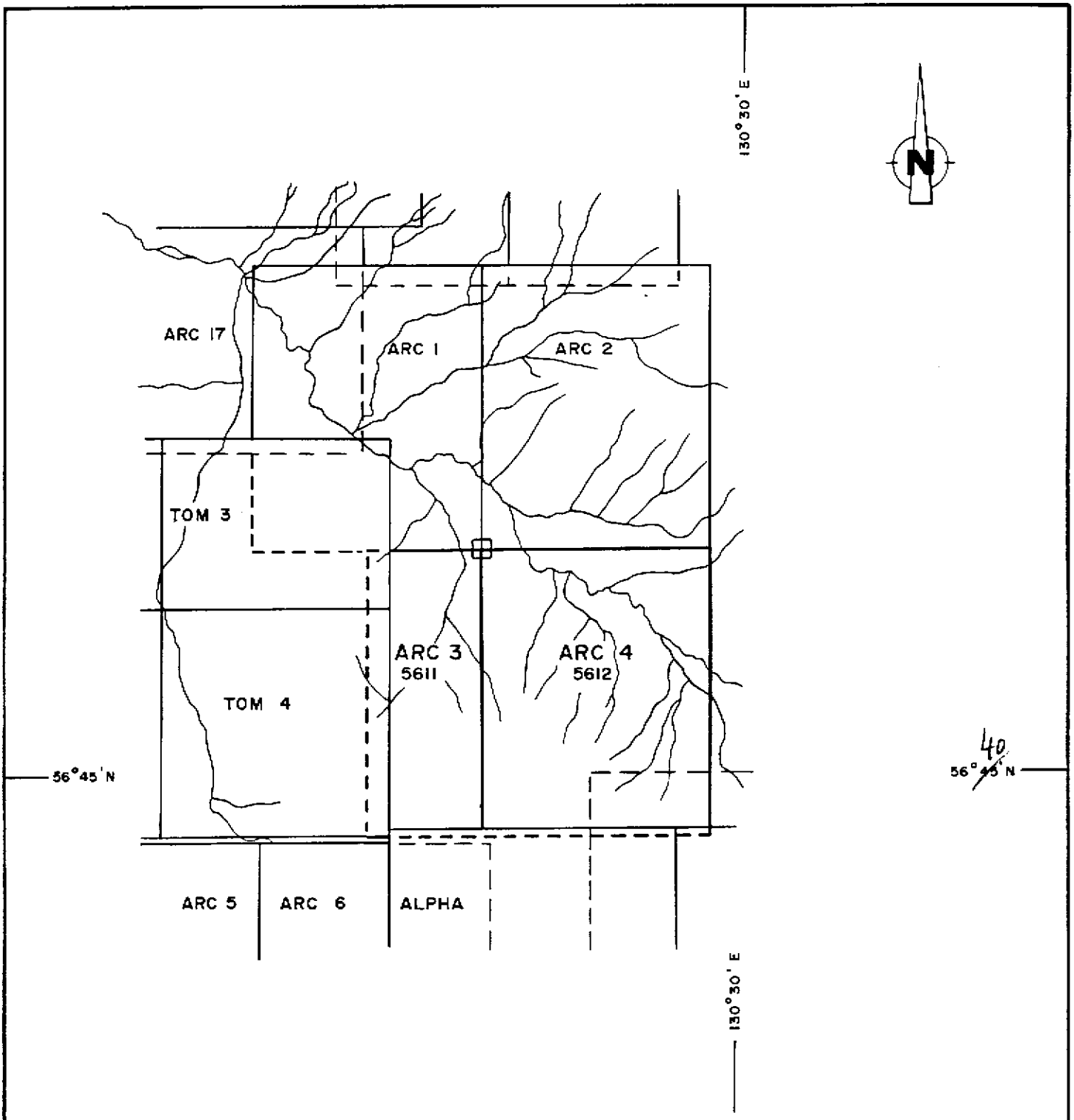
The Arc 3 and 4 claims are situated in mountainous, heavily glaciated terrane. Relief ranges from 670 meters above sea level along the northern boundary to approximately 1,710 meters ASL along the southern boundary. The Richard Glacier lies immediately to the southwest of the claim area.

Tree line is at approximately 1,200 meters ASL. Dense vegetation below this consists predominantly of spruce, fir and hemlock with an undergrowth of devil's club and stinging nettles. Steep, erosional side creeks provide the best access and geologic control in the area. The Palmiere Creek valley bottom is blanketed by recent unconsolidated sediments and Pleistocene basalt flows.

Snow cover is a limiting factor on the exploration field season. The period of least snow cover occurs between July and mid-September.

1.4 History and Previous Work

Exploration for precious metals in the Iskut River-Sulphurets Creek area dates back to the late 1800's when placer gold was discovered in the upper reaches of the Unuk River. By 1898, several prospectors had entered the area and the first mineral claims, the Cumberland and Globe Groups, were staked by H.W. Ketchum and L. Brant. These claims proved to be attractive and by 1901, the Unuk River Mining and Dredging Company had purchased them and established a stamp mill on the Globe group. A road between



0 0·5 1 1·5 2 2·5 Kilometres

PALMIERE SOUTH PROPERTY

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Claim Location Map

RESOURCE MANAGEMENT LTD.	SCALE: 1:50,000	N.T.S.: 104B/10	FIGURE No.: 2
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Burroughs Bay and Sulphurets Creek was also begun by this company but was never completed.

The region was quiet again until 1960 when a search for porphyry copper deposits led Newmont Mines to conduct a helicopter borne magnetic survey in the Sulphurets area. Claims were staked on behalf of Granduc Mines Ltd. at the Sulphurets Creek headwaters.

In the period of 1975-1979, Texasgulf, Granduc Mines and Esso Resources Canada conducted exploration in the Sulphurets area. Lacana Mining Corp. and Newhawk Gold Mines subsequently optioned the Granduc sulphurets claims. Drilling on the sulphurets deposit has outlined mineral reserves of 720,000 tonnes grading 0.826 ounces gold equivalent per tonne (silver:gold ratio = 50:1). This deposit is located 30 kilometers southeast of the Arc 3 and 4 claims. In addition to these mineral reserves, the 1985 Lacana/Newhawk project located the new Snowfields Zones which is believed to have probable reserves of over 7,000,000 tonnes grading 0.083 oz Au/tonne. Catear Mines, Gold Wedge Property, located 2 kilometers east of the Brucejack Lake Zone, has published reserves of 373,224 tons grading 0.753 oz Au/t and 1.07 oz Ag/t.

The Reg property on Johnny Mountain was restaked by Skyline in 1980 and was optioned to Placer Developments Ltd. in 1982, who then formed a joint venture program with Anaconda Canada Ltd. to carry out various surveys in addition to trenching and diamond drilling in 1983. Exploration was continued on the property by Anaconda in 1984, after which season it reverted to Skyline Explorations Ltd. who later brought it into production. During June 1989 production figures for the Reg deposit were 4,230 oz gold, 7,487 oz silver and 134,960 lb

copper from 9,364 tons of ore (312 ton/day). This mine is scheduled to halt production at the end of 1990.

Prime Resources Group Inc., in joint venture with Cominco Exploration Ltd., plans to go into production on the SNIP deposit near Bronson Creek in 1990. The Arc 3 and 4 claims are located approximately 35 kilometers northeast of the Stonehouse and SNIP gold deposits.

In the Unuk River area, the Eskay Creek property, located 7 kilometers southeast of the Buffalo-Viking property, was discovered in 1932 by Tom MacKay. Exploration since then has been principally directed to the location of high-grade precious metal mineralization. In 1985, Kerrisdale Resources Ltd. carried out diamond drilling on the #21 and #22 zones, and in 1987 Consolidated Stikine Silver Ltd. conducted a soil sampling and trenching program on the Eskay Creek property.

During the period 1988 - 1990, the Eskay Creek property has been extensively drilled by Prime Resources Inc. (formerly Calpine Resources Inc.) and Stikine Resources Ltd. Extremely promising results continue to be reported from the #21 zone since hole 88-6 hit 96.5 feet grading 0.73 oz gold and 1.1 oz silver (Northern Miner, Nov. 7, 1988). Surface drilling has outlined probable and possible reserves (at a cutoff grade of 0.25 oz. gold) totalling 1.55 million tons grading 1.3 oz. gold and 36.2 oz. silver per ton in the 21A and 21B zones (Northern Miner, August 6, 1990). The first phase of underground exploration, bulk sampling and development has recently commenced on the 21B deposit which contains 1.3 million tons grading 1.4 oz. gold, 40.6 oz. silver, 2.2% lead and 5.4% zinc. This

discovery has provided the impetus for extensive further exploration in the vicinity. The authors visited the Eskay Creek property in August 1990 and inspected drill core and geological sections relating to the 21 zone deposits.

The British Columbia Regional Geochemistry Survey # 18 (1988) shows four silt samples which were collected nearby the northern boundary of the Arc 3 and Arc 4 claims (Figure 6). The following table presents the results recorded in these samples.

Sample #	Zn	Cu	Pb	Ag	As	Hg	Sb	Au
873211	146	36	11	.1	9	130	0.7	4
873212	140	40	15	.2	15	160	0.9	1
873213	120	39	9	.1	5	65	0.4	1
873214	225	54	14	.2	13	125	1.6	3

(Note: Results in ppm, except Au in ppb)

Kuran's (1989) " Assessment Report on the Arc 3 and Arc 4 claims" for Buffulo Resources Ltd. gives a brief account of the property geology along with the analytical results from eleven stream sediment and three rock samples. The stream sediment results had up to 2.8 ppm Ag (sample VS08) reflecting high background silver values (sample 14803, 3.4 ppm Ag) in the black siltstone county rock.

2.0 GEOLOGY

2.1 Regional Geology and Mineralization

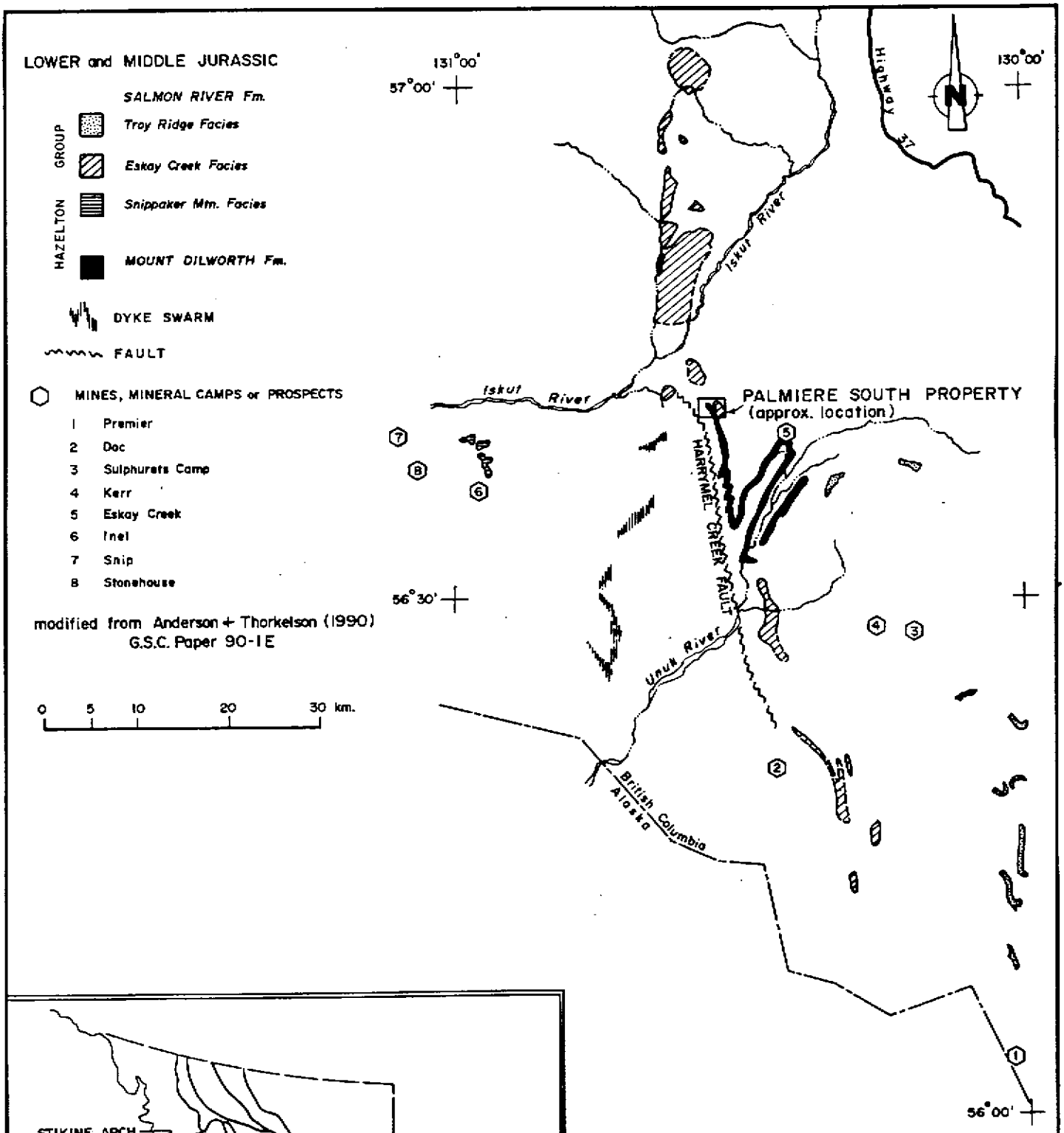
The property lies within the western most part of the Intermontane Tectonic Belt, close to its boundary with the Coastal Crystalline Tectonic Belt. As a result of the proximity of this area to a regional tectonic

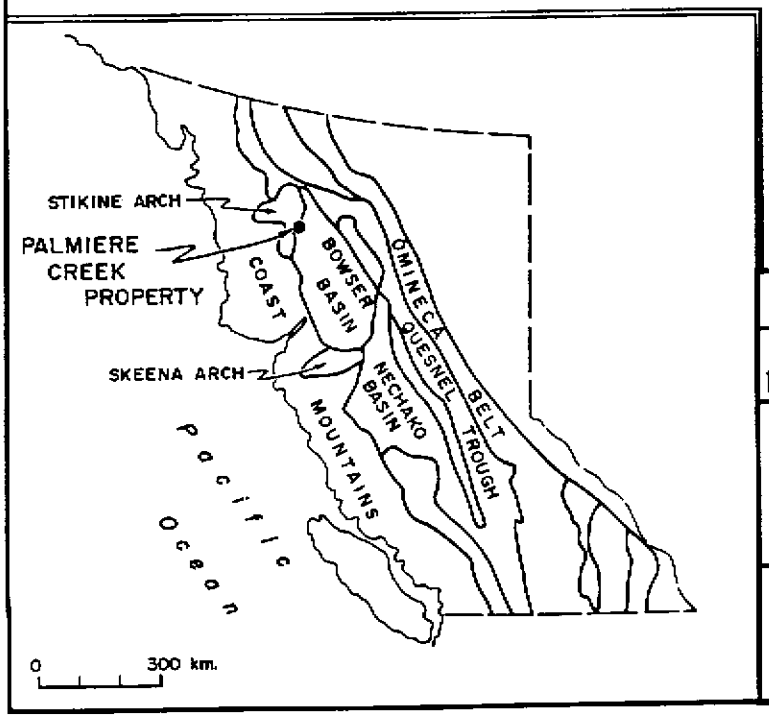
boundary, geologic relationships tend to be quite complex. The geology of this area (Figure 3) has been studied by many people including Kerr (1930, 1948), Grove (1986), Gunning (1986), Alldrick et al. (1989) and Anderson & Thorkelson (1990) and is represented in Geological Survey of Canada Maps 9-1957, 1418A, 1505A, 2094 and B.C.G.S. Open file 1989-10.

The western portion of the Intermontane Belt is formed by the Stikine Terrain. During the Late Triassic period this Terrain was the site of active volcanism which resulted in the deposition of calc-alkaline plagioclase rich andesitic sequences along with sediments which are now collectively termed the Stuhini Group. The volcanism was accompanied by granitic intrusives. At the end of the Triassic this assemblage of volcano-plutonic rocks was uplifted to form the Stikine Arch. Additional uplift in the Cache Creek Terrain to the east resulted in the formation of the Hazelton Trough in north central British Columbia. This trough was infilled by Early Jurassic volcanics and sediments now termed the Hazelton Group.

During the Lower to Middle Jurassic, Bajocian age, the Hazelton Trough was divided into both the northern Bowser and southern Nechako Basins (Figure 3) by the emplacement of the Topley intrusions which cored the Skeena Arch. Erosional material from the Stikine Arch and Skeena Arch infilled the Bowser Basin up to the Late Jurassic Kimmeridgian age.

The principal component of the Intermontane Tectonic Belt in the Iskut River area is a Mesozoic volcanic and sedimentary sequence, correlative with the time equivalent Stuhini Group; a theory which is supported by the presence of Monotis fossils on the north slope





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Regional Geology and Mineral Deposits

M-TEC RESOURCE MANAGEMENT LTD	SCALE: as shown	N.T.S.: 104 B/10	FIGURE No: 3
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of Snippaker Peak and to the west of Newmont Lake. Grove (1986), however, correlates this unit with the Middle Jurassic Unuk River Formation of the Stewart Complex.

The Stuhini Group is characterized in the west section of the Iskut district by limestone and polymictic conglomerate which underlie a bimodal volcanic suite and in the east by feldspathic greywacke and siltstone which interdigitate with mafic and intermediate volcanics.

The contact of the Stuhini Group and the overlying Lower Jurassic Hazelton Group is gradational in the Stewart area and is marked by an unconformity in other areas. Granitoid- and dacite-bearing polymictic conglomerate and greywacke are characteristic of the transitional unit south of John Peaks area (Anderson & Thorkelson, 1990).

The Hazelton Group is comprised of four formations, namely, the Unuk River, Betty Creek, Mount Dilworth and Salmon River. The basal Unuk River Formation is composed of andesitic breccia, tuff and siliceous siltstone. This is overlain by the Betty Creek Formation which contains massive, thick- or medium-bedded green/maroon volcaniclastics, greywackes and breccias. The Mount Dilworth Formation is the third formation in the Group. It is a regional marker horizon in the Eskay Creek/Iskut River area. The Mount Dilworth Formation consists of siliceous white, maroon or green weathering, felsic tuff and commonly has flow banded dacitic to rhyolitic units interbedded. Frequently there is a disseminated pyrite content of from 5-15% within the felsic volcanics. The Mount Dilworth Formation in the Eskay Creek 21 zone deposits

is largely composed of K-feldspar-rich felsic flow breccia with interbedded tuffs and lapilli tuffs. In the Eskay/Iskut region the Mount Dilworth Formation is probably of Upper Early Jurassic Pliensbachian to Toarcian age and is thought to mark the penultimate and regionally extensive eruption of Hazelton Group felsic pyroclastics that included welded tuffs and flows.

The Lower Middle Jurassic, Bajocian age, Salmon River Formation overlies the Mount Dilworth Formation. Three important facies occur within this formation on a regionally mappable scale.

In the east of the Eskay/Iskut region the (1) Troy Ridge Facies is characterized by rhythmic alternating thin shale and tuff beds of turbiditic origin. (2) West of John Peaks, limestone, limy and cherty siltstone and shale interdigitate or overlie thick pillow lava and pillow lava breccias. According to Grove (1986) and Anderson & Thorkelson (1990) the interpillow matrix is locally composed of limestone. This unit has been termed the Eskay Creek facies as it hosts the rich stratabound mineralization of the Eskay Creek deposit. In the west of the region a third facies termed the Snippaker Mountain facies is not well mapped but appears to consist of andesitic, calc-alkaline volcaniclastics.

In places there is a transition from the Salmon River Formation to the overlying Middle to Upper Jurassic Bowser Lake Group. This contact is also marked by an unconformity in some areas. In the Storie Creek area this transitional unit is a 10 meter wide calcareous, nonfossiliferous siltstone bed which directly underlies the shales of the Ashman Formation of the Bowser Lake Group (Gunning, 1986). The siltstones of the Salmon

River Formation in the Eskay Creek 21 zone deposit area are also calcareous but contain belemnite fossils (G. McArthur, Eskay Creek Field Manager, Pers. Comm.). The base of the Bowser Lake Group has been dated between Tom Mackay Lake and Eskay Creek as Bathonian to Callovian in age. Basal greywackes and non-calcareous siltstones grade upwards to thick bedded white quartz arenite and chert pebble conglomerate. This latter unit is overlain by rhythmically interbedded siltstone and greywacke.

Recent and Pleistocene basalt flows and tephra blanket much of the Iskut River and subsidiary drainages. Extinct volcanic domes are exposed, but severely eroded, for example in the Snippaker Creek and Palmiere Creek areas. The flows predominantly occupy valley bottoms and are commonly olivine rich basalts.

In the Coast Crystalline Tectonic Belt, Paleozoic and Mesozoic sequences are commonly intruded by plutonic rocks of quartz monzonite to quartz diorite composition. These intrusions are Late Cretaceous to Early Tertiary in age. To the east of the main intrusive complex, Intermontane Stikine Terrain smaller granitic plugs and stocks are prevalent. Mesocratic medium-grained meta-diorite and meta-gabbro intrusions occur in the Palmiere Creek area. The recently identified Lehto porphyry is a granodiorite to syenite intrusive with large, pink euhedral potassium feldspar phenocrysts and is now known to extend across Snippaker Creek approximately 10 km south of the Iskut River.

The area is complicated by major faults such as the easterly dipping Harrymel Creek (or Melville) fault and by regional folding such as doubly plunging, northeast trending, synclinal folds and numerous parasitic folds

in Hazelton and Bowser Lake Group rocks. The Harrymel Creek fault juxtaposes older stratigraphy to the west (footwall block) with younger strata to the east (hangingwall block) and appears to form the western boundary to the Mount Dilworth Formation exposures in the district.

2.2 Stratigraphy of the Eskay Creek 21 Zone

A geological cross section of the Prime/Stikine Eskay Creek property, 8 kilometers to the southeast of the Palmiere Creek property, in the Unuk River Area described by G.McArthur is included for comparative purposes and is as follows. The hanging wall consists of interbedded breccias, pillow lavas and andesites up to 100 meters thick. The contact zone, a black argillite containing felsic fragments up to 5 cm across, is 10 to 15 meters thick with mineralization occurring at the base of the unit. In the north section of the contact #21 Zone, mineralization consists of electrum, aktashite (Cu-Pb-Zn-Ag-Hg sulphosalt) and honey colored blebs of sphalerite rimmed with chlorite alteration. Free gold was observed in the core. Disseminations and needles of arsenopyrite predominate in the south section of the #21 contact zone with sections of massive stibnite, veinlets of stibnite and blebby realgar. Gold assays from this contact zone vary from 0.25 oz Au/t to several oz Au/t. Mineralized textures throughout the core vary from structurally controlled to layered syngenetic units but to date no firm control has been agreed upon.

The footwall belongs to the Mount Dilworth Formation and consists of a 100 to 150 meters thick rhyolite breccia lapilli tuff. Along strike to the north the

lapilli fragments are finer grained. Alteration observed is silicification, strong K-spar and white mica. Gold assays from this section vary up to 0.25 oz Au/t. A 10 to 20 meters thick argillite layer separates the lapilli tuffs from a felsic lithic tuff which varies from 60 to 100 meters thick. This latter unit, which may be the equivalent of the Betty Creek Formation, forms large gossans of pyritic material assaying from 0.15 to 0.25 oz Au/t. The bottom of the footwall is formed by thickly bedded siltstone containing pelecypods (dating in progress) and locally developed conglomerates. Drill intersections of the north part of the #21 Zone (hole 89-109) were reported in the Northern Miner (Aug. 28, 1989) as follows: "682 foot interval grading an average of 0.875 oz gold, 0.97 oz silver, 1.12% lead and 2.26% zinc. Within this interval is a 200.1 foot section averaging 2.877 oz gold, 0.85 oz silver, 1.86% lead and 3.44% zinc". The South Zone has been outlined for 300 meters along strike and 200 meters down dip and reserves have been calculated at 2.8 million metric tonnes at 0.25 oz Au/t and 3.0 oz Ag/t were reported. This South Zone is to be mined by open pit methods.

Idziszek et al. (1990 a, b) have described this Hazelton Group sequence in the following manner, from the base to the top:

Unuk River Formation: volcano-sedimentary unit.
Betty Creek Formation: Footwall Dacite unit.
Mount Dilworth Formation: Rhyolite unit
Contact Unit: transition zone basal rhyolite-mudstone breccia grading upwards to carbonaceous mudstone. Stibnite-realgar-orpiment rich.
Hangingwall Andesite Unit: pillowed andesite flows and breccias with thin carbonaceous mudstone interbeds.
Thin bedded siltstone & sandstone

To date, surface drilling on the Prime Resources Group Inc.-Stikine Resources Ltd. Eskay Creek property has outlined probable and possible reserves (at a cutoff grade of 0.25 oz. gold) totalling 1.55 million tons grading 1.3 oz. gold and 36.2 oz. silver per ton in the 21A and 21B zones. Results from the ongoing stepout drilling program, beyond the reserves area, are extremely encouraging with drill intersections of hole 90-327 reported as 39.4 feet grading an average of 0.65 oz/ton gold, 32.06 oz/ton silver including a 13.1 foot section averaging 1.27 oz/ton gold and 288.63 oz/ton silver (Northern Miner, April 9, 1990). Two new zones, the Pumphouse Lake and 21C, were discovered during early 1990. No reserves have been outlined for either zone to date (Northern Miner, Aug. 6, 1990).

2.3 Property Geology and Mineralization

Geological mapping by Read et al. (1989) shows Mesozoic meta-diorite and meta-gabbro in contact with Middle Jurassic volcanics, which in turn are in fault contact with Middle to Upper Jurassic Bowser Lake Group sediments. Alldrick's (1989) mapping extended just onto the south portion of the claims on Mount Shirley. He divided the area into western most Lower Jurassic Betty Creek Formation volcanics in contact with, to the east, Middle Jurassic Salmon River sediments. Mount Dillworth Formation volcanics are shown at this contact immediately to the south, towards Tom MacKay Lake.

Geological mapping of the property by Hi-Tec has shown that the upper part of the north flank of Mount Shirley (UTM 406200E/6281000N Figure 4) is underlain by a sequence of aphanitic green andesitic units (formation Jvb, Figure 4) in association with some gabbroic-like

and plagioclase phyric units which on weathered surfaces appear dioritic. This area has been mapped by Read et al. (1989) as a meta-diorite and meta-gabbro intrusion (formation Mdi, Figure 4) in contact with Middle Jurassic andesites. No distinct contact was mapped during the current work. There are abundant white/grey very siliceous dacitic felsites, as laterally discontinuous dykes/sills(?) dispersed throughout this portion of the sequence (formation Jfp, Figure 4). Northwards the white/grey dacitic felsite unit predominates and forms the inaccessible precipitous northeast and north facing upper slopes of Mount Shirley. The western and portions of the northern flanks of Mount Shirley contain a disrupted sequence of green altered volcanics and large (< 5m) lenticular pods of brown weathering mafic(?) volcanics. The latter may be xenoliths of altered country rock along the margins of the meta-diorite intrusion.

Dispersed fine pyrite is occasionally visible in the volcanics and meta-diorite in this area. In places trace pyrite mineralization is found within the felsite units adjacent to minor fractures.

Along the extreme western boundary of the Arc 3 claim, UTM 404950E/6281900N, siliceous gossanous altered andesites with up to 7% pyrite are exposed at the toe of Richard's Glacier. This zone is probably associated with the adjacent Harrymel Creek fault, or Melville fault of Read et al. (1989). The altered siliceous, white weathering felsite or silicified andesite(?) unit, mapped higher up on Mount Shirley, outcrops in this area.

Much of the area down to an elevation of 1300 meters is inaccessible and snow covered. The northeastern lower

reaches of Mount Shirley, 1300 to 1200m, are underlain by well preserved pillow lavas, interbedded black cherty siltstones and massive andesitic units (formation Jvb, Figure 4). The cherty black siltstone is frequently Fe/Mn stained and appears very gossanous in outcrop. The siltstones are commonly brecciated and contain quartz/carbonate veinlets. The pillows are chaotic and of variable sizes ranging from 5 cm to 2 m in length and are composed of medium grained, green andesitic volcanics. The interstitial matrix of the pillows is fine grained, dark grey limestone (micritic) in places (UTM 406300E/6282000N, samples 90SPR34, 35). This matrix can contain up to 5% pyrite. In many areas the interstitial matrix is completely oxidized and weathered.

In the deep ravine centered at UTM 406500E/6281600N, the pillow lavas appear to dip steep/subvertically east(?). The interstitial matrix of the chaotic pillow lavas is of variable composition. Occasionally this matrix is a fine black siliceous siltstone breccia hosted by a whitish very calcareous matrix. The main type of matrix is a deeply weathered, slightly calcareous volcanic. The pillow lavas appear slumped in some exposures and are interlayered with andesitic flows (<5 m thick) which have flow-top vesicles in places. Trace pyrite is sometimes evident. There are gossanous patches within the pillow lavas which contain up to 5% pyrite. These appear to be fault related.

This unit is lithologically similar to the Eskay Creek facies of the Salmon River Formation as described by Anderson & Thorkelson (1990). Alldrick et al. (1989) also mapped andesitic pillow lavas with minor siltstone interbeds within the Betty Creek Formation but do not

describe any limestone interstitial matrix associated with them.

The pillow lava sequence is partially underlain by massive andesite which is exposed in faulted contact with a black intensely cleaved siltstone/argillite(?) at the 1300 to 1200m level on the steep east slope of Mount Shirley. This contact is well exposed in a ravine at an elevation of 1178m on the east slope of Mount Shirley (UTM 406698E/6281320N). Here the contact is vertical to 88^0 W and strikes 156^0. A 0.5 m chip sample across the contact (sample 90SDR009) showed felsic fragments, which may be remnants of other volcanics, and abundant calcite veins incorporated within the volcanics at the contact. There also appears to be some epidote alteration in the volcanics along the contact.

The black argillitic unit is very tectonized but appears unmineralized at the contact zone. Down slope the ravine becomes very steep and largely inaccessible. Outcrop is visible from the sides of the ravine and the sequence appears to be thin, well bedded siltstone with interlaminated, brown weathering, more competent layers. Bedding dips approximately 40^o to the west in the sediments and appears to be right-way-up and the strike is approximately 152^o. Minor faulting has resulted in steepened bedding (60^o W) approximately 40 meters east of the contact zone.

At a distance of approximately 75 meters east of the contact brown weathering slightly calcerous sandstones come into the sequence. In fresh exposure this is a grey, medium grained sandstone. A polymictic quartz chert pebble (pebbles <1 cm diameter) conglomerate is exposed approximately 100 m, along the ridge, to the

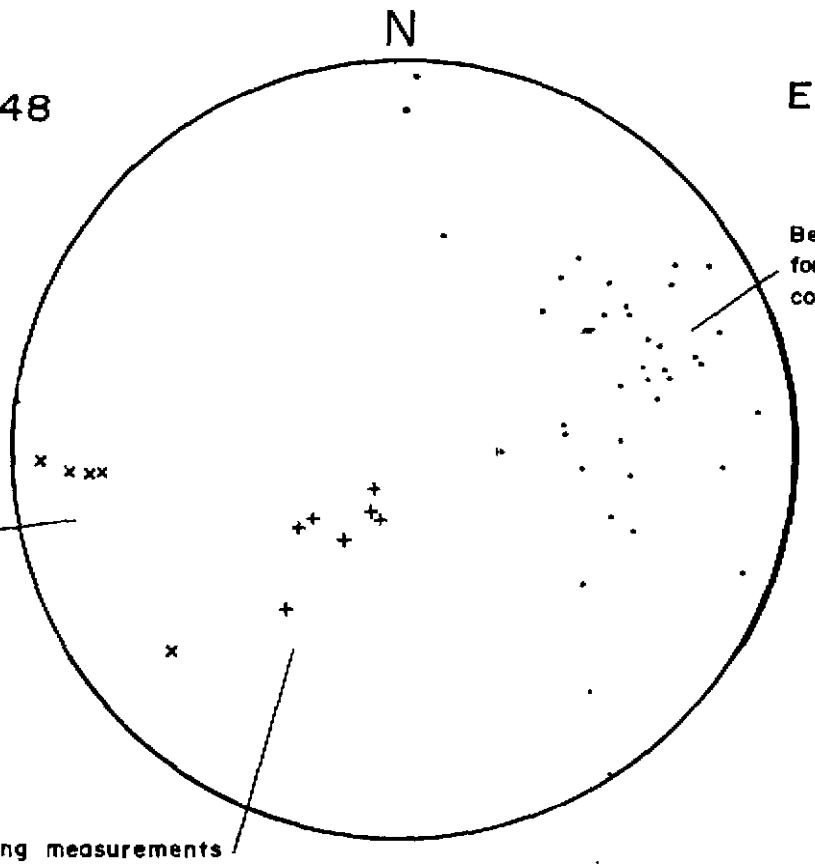
south of the ravine. Underlying the conglomerate, the sandstone beds contain abundant quartz veins which appear unmineralized. The sequence underlying this sandstone unit is predominantly black siltstone rhythmically interbedded with brown weathering thin (3-5 cm) sandy "dolomitic like" units. However, the latter effervesce very strongly in dilute HCl. There is a change in strike associated with the incoming of these siltstones into the sequence from 152^0 to 008^0 with dips of from 35^0 to 55^0 W. Further down section towards Palmiere Creek the strike changes to 055^0 and dips are to the north. Bedding on the east side of Palmiere Creek dips to the east (Figure 5). Although these appear similar to the Salmon River sediments found on the northeast side of Palmiere Creek, Read et al. (1989) have classified them as Bowser Lake Group based on one fossil locality (F166) on the east side of the Arc 4 claim (Figure 4).

In other parts of the property the fault contact of the volcanics and the sediments is not exposed but its location can be inferred from mapping. The contact is in the position as shown by Read et al. (1989) and Alldrick et al. (1989).

3.0 GEOCHEMISTRY

A total of 2 bulk stream samples, 2 stream sediment samples and 262 rock samples were collected during the 1990 program.

Rock samples are grab samples of specific features, the exception being a small trench with five 1 m long chip samples. T.S.L. Laboratories Ltd. of Saskatoon, Saskatchewan was contracted to prepare and analyze the



PALMIERE SOUTH PROPERTY

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EQUAL AREA STEREOPLOT OF BEDDING

SCALE:	N.T.S.: 104B/10	FIGURE No: 5
DRWN. BY:	DATE: NOV. 1990	
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samples for Au and Hg by specific techniques and 25 other elements by the ICP method (Appendix II). The sample descriptions are listed in Appendix III and all the analytical data is compiled in Appendix IV.

Stream sediment samples 90SJL001, 002 and bulk stream sediment sample 90SPH001 returned, respectively, 10 ppb, 5 ppb and <5 ppb Au, with no anomalous ICP values.

Rock samples taken from the felsites, andesites and meta-gabbro or meta diorite on Mount Shirley returned no anomalous values.

On the west side of Mount Shirley a sample of a aphanitic felsite (dacite?) with quartz veinlets and 2% disseminated pyrite returned 460 ppm Zn.

On the north flank of Mount Shirley rock sample 90SJR113, a flow breccia with carbonate interstices, returned 1200 ppm Ba. Nearby rock sample 90SJR074 of a coarse grained diorite with quartz veinlets and 5% pyrite returned 250 ppm Cu. Down the north flank of Mount Shirley, closer to the volcanic-sediment fault contact in the northern most tributary creek, rock sample 90SJR086 a basalt with iron stain, slickensides and quartz veinlets returned 510 ppm Zn.

Along the northeast flank of Mount Shirley, near a small moraine, in an area of gossanous outcrop and faulting rock samples 90SJR063 and 065 yielded, respectively, 250 ppm As and 120 ppm As, 40 ppb Au. These were from outcrop of altered gossanous pillow lava with 2% pyrite and some quartz and carbonate veinlets. In the same area rock sample 90SJR093 of a shear with <1% pyrite and quartz carbonate veinlets returned 25 ppb Au. From a side gulch in the same area

rock sample 90SDR022 is a grab specimen of altered gossanous volcanic from a fracture zone, it returned 80 ppb Au. Down stream a float specimen of altered volcanic with 3% pyrite and 1% chalcopyrite(?) returned 70 ppb Au, 780 ppm Zn and 1500 ppb Hg, while a boulder of altered volcanic with 10-20% pyrite (sample 90SDR020) returned 5500 ppm Zn, 140 ppm As and 4000 ppb Hg.

At the head of this creek-gulch at the base of an ice field is a large gossanous area. Rock samples 90SPR073-076 of this bleached, limonitic area with 1-2% pyrite and quartz-carbonate veinlets returned no anomalous values.

On the south side of the property west of the volcanic-sediment fault contact float sample 90SDR002 of volcanic breccia with 10% pyrite returned 1100 ppm Cu, 120 ppm Pb and 830 ppm Zn.

To the west of the fault zone within the pillow lavas is a discontinuous cherty siltstone horizon which is particularly gossanous with up to 5% pyrite. Rock samples 90SPR033 and 90SJR011, 012 from this horizon recorded no anomalous values.

The fault zone between the pillow lavas and turbiditic sediments is marked by a steep dipping highly sheared black argillite-siltstone with quartz-carbonate veinlets. None of the samples from this contact including those from a blasted trench (rock samples 90SKR001-005) returned anomalous values. Samples from the well bedded siltstone, shale with interbedded sandstone and conglomerate sequence were for the most part uninteresting in their analytical results. A few exceptions are from rock samples along the southern

contact of the Arc 4 claim. Samples 90SPR018 and 023 returned, respectively, 460 and 950 ppm Ba from weakly limonitic outcrops of siltstone with carbonate veinlets.

4.0 DISCUSSION

Detailed mapping by Hi-Tec Resource Management Ltd. personnel on the Arc 3 and 4 claims essentially agrees with the regional mapping of Read et al. (1989) on G.S.C. Open File 2094. The southwestern portion of the property is underlain by meta-gabbro and meta-diorite intruding massive andesite, forming Mount Shirley, subsequently intruded by aphanitic felsite dykes. Flanking this Mesozoic core(?) are andesite lava flows, breccias and pillow lavas with minor cherty siltstone beds of Middle Jurassic age. The slump and flow textures associated with the andesites and pillow lavas in places suggests that they both formed part of active flows. These flows may be related to the emplacement of the Mount Shirley core of meta-diorite. The intrusion of this unit may have controlled the alteration and silicification on the Arc 3 claim and the steeply oriented faults in the area. The outcrop pattern on the west part of the property is in a series of cliff and terrace sections. This implies that there may be a northwest trending fault between the pillow lavas and more massive volcanics and meta-diorite higher up in the inaccessible portions of Mount Shirley. The strike swing in the siltstones from $152^0/35^0$ to 55^0 west to 055^0 with variable dips north further down section towards Palmiere Creek may be related to fault drag motion along a blind fault in the Palmiere Creek valley.

The stratigraphic position of the pillow lavas is problematic. If the lavas are Betty Creek Formation (Alldrick, 1989) then there is a normal fault contact between the pillow lavas and the overlying westerly dipping Bowser Lake Group sediments which has faulted out the Mount Dilworth Formation. The fault may be related to the intrusion emplacement on Mount Shirley.

The lithological description of pillow lava sequences with limestone matrix in the Eskay Creek facies of the Salmon River Formation by Anderson & Thorkelson (1990) and the stratigraphic position of pillow lavas in Read et al. (1989) Open File 2094 (within the Mid Jurassic Jvb unit) suggests that the pillow lavas on the Arc 3 claim could be Eskay Creek facies. If so then they would be hangingwall or upsection from the Eskay Creek mineralized horizon.

Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD

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November 19, 1990

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APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, DENIS A. COLLINS, of the City of Vancouver, Province of British Columbia, hereby certify:

1. THAT I am a geologist employed by Hi-Tec Resource Management Ltd. with offices at 1500-609 Granville Street, Vancouver, British Columbia.

2. THAT I obtained a Bachelor of Science degree in Geology from University College Cork, Ireland in 1980 and a Ph.D. in Structural Geology from the same university in 1985.

3. THAT I have been practising my profession as a geologist in Ireland, South Africa and Canada since 1980.

4. THAT I am a Fellow, in good standing, with the Geological Association of Canada.

5. THAT I am a registered Professional Geologist, in good standing, with a license to practice with the Association of Professional Engineers, Geologists and Geophysicists of the NorthWest Territories.

6. THAT this report is based upon a thorough review of published and private reports and maps on the subject property and the surrounding area and upon the results of an extensive field program of geological mapping and sampling supervised by the author.

7. THAT I have no interest in the Arc 3,4 claims described herein, nor in securities of Buffalo Resources Ltd. or International Viking Resources Ltd. or any company associated with the property, nor do I expect to receive any such interest.

Dated in Vancouver, British Columbia, this 19th day of November, 1990.

Denis Collins

Denis A. Collins, Ph.D., P. Geol., F.G.A.C.

GEOLOGICAL ASSOCIATION OF CANADA
D.A. COLLINS
FELLOW

STATEMENT OF QUALIFICATIONS

I, Robert F.Brown, of the City of Vancouver, Province of British Columbia, hereby certify :

1. THAT I am a geologist employed by Hi-Tec Resource Management Ltd., of Vancouver, British Columbia, Canada.

2. THAT I obtained a Bachelor of Science (Engineering) degree in Geology from Queens University at Kingston, Ontario, Canada in 1975.

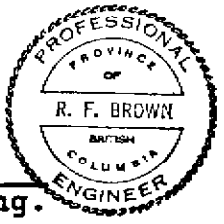
3. THAT I have been practising my profession as a geologist since 1975.

4. THAT I am a registered Professional Engineer, in good standing, with the Association of Professional Engineers of British Columbia.

5. THAT this report is based upon a thorough review of published and private reports and maps on the subject property and the surrounding area and upon the results of an extensive field program of geological mapping and sampling supervised by the author.

6. THAT I have no interest in the Arc 3,4 claims described herein, nor in securities of Buffalo Resources Ltd. or International Viking Resources Ltd. or any company associated with the property, nor do I expect to receive any such interest.

Dated in Vancouver, British Columbia, this 19th day of November, 1990.



Robert F. Brown P.Eng.

APPENDIX II

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

RECEIVED OCT 2 5 1990

T S L LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET,
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

1 - SAMPLE PREPARATION PROCEDURES
Rock and Core

- Entire sample is crushed, riffled and the subsequent split is pulverized to -150 mesh.

Soils
- Sample is dried and sieved to -80 mesh.

2 - FIRE ASSAY PROCEDURES
Geochem Gold (Au ppb) -
A 30g subsample is fused, cupelled and the subsequent dore' bead is dissolved in aqua rega. The solution is then analyzed on the Atomic Absorption.

Assay Gold (Au oz/ton) -
A 29.16g subsample is fused, cupelled and the subsequent dore' bead is parted with a dilute nitric acid solution. The gold obtained is rinsed with DI water, annealed and weighed on a microbalance.

Assay Silver (Ag oz/ton) -
A 2.00g sample is digested with 15mls HCl plus 5mls HNO3 for 1 hour in a covered beaker; diluted to 100mls with 1:1 HCl. The solution is then run on the Atomic Absorption.

3 - BASE METALS
Geochem - A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay - A 0.500g sample is taken to dryness with 15mls HCl plus 5mls HNO3, then redissolved with 5mls HNO3 and diluted to 100mls with DI H20. The solution is run on the Atomic Absorption.

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5. ICAP Geochemical Analysis -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the ICAP.

6. Heavy Mineral Concentrates -
The sample is initially wet sieved through -1700 micron, then placed on a shaker table. A heavy liquid separation is performed, Methylene Iodide, (S.G. - 3.3); diluted to give a S.G. of 2.96. The heavies were then analyzed for Au by Fire Assay plus an ICAP Scan.

7. Mercury Analysis -
A 1 gram subsample is digested with 4mls of nitric acid plus 1ml of sulfuric acid in a water bath for 1 1/2 to 2 hours, diluted with DI water. A couple of drops of a potassium permangante solution are then added to each sample solution. An aliquot of each solution is then analyzed on the A.A. by a cold vapor procedure.

Yours truly,

Bernie Dunn

Bernie Dunn

BD/vh

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

SAMPLE DESCRIPTIONS PALMIERE SOUTH PROPERTY 90BC019

SAMPLE #	ROCK TYPE	SAMPLE TYPE	MINERALIZATION	FEATURE	CLAIM	RECORD #
90SDR001	Gr volcl v. tect, abund qtz/cb v'lts, ss	Rock grab			Arc 4	5612
90SDR002	Vol breccia, qtz matrix	Float	10% py		Arc 4	5612
90SDR003	Gy/blu volcl, altered, minor qtz veinlet	Rock grab	3% disse py		Arc 4	5612
90SDR004	Blk siltstone breccia, sil/chrty	Rock grab	Fe/Mn staining	Tect zone	Arc 4	5612
90SDR005	Volcl, gy/gr may be pillowed? overly 004	Rock grab			Arc 4	5612
90SDR006	Volcl, gy/gr underlying 004	Rock grab			Arc 4	5612
90SDR007	Blk siltst breccia, cherty/sil	Rock grab	Fe/Mn staining	Tect zone	Arc 4	5612
90SDR008	Volcl, gy/gr similar to 005	Rock grab			Arc 4	5612
90SDR009	Blk si, frags of felsic volc, remnants?	Chip 0.5 m	Py strings in felsic	Fault cont	Arc 4	5612
90SPR001	Sil brecciated shale qtz vnlts	Rock grab	<1% py	Fe/Mn stain	Arc 4	5612
90SPR002	Gry fin-med gr and xcutting qtz/cb vnlts	Rock grab	trace py	gossanous	Arc 4	5612
90SPR003	Sil brecciated shale qtz vnlts	Rock grab		Fe/Mn stain	Arc 4	5612
90SPR004	Grn fine gr sil and, cb vnlts, calc	Rock grab	2% py concentrated		Arc 4	5612
90SPR005	Gry med gr and tuff?, calc, qtz vnlts	Rock grab	1% py		Arc 4	5612
90SPR006	Gry/grn sil and slightly calc qtz vnlts	Rock grab	3% disseminated py		Arc 4	5612
90SPR007	D. gry fine-med gr sil and, qtz vnlts	Rock grab	2% py around vnlts		Arc 4	5612
90SPR008	Purp/gry aph-fine gr sil dac	Rock grab	3% disseminated py	qtz/cb vnlts	Arc 4	5612
90SPR009	Sil blk sh almost brecc, highly altered	Rock grab		qtz vnlts	Arc 4	5612
90SPR010	D gry fine gr and, calc, qtz vnlts	Rock grab	1% py		Arc 4	5612
90SPR011	D gry fine gr sil and, calc,	Rock grab	1% py	qtz/cb vnlts	Arc 4	5612
90SPR012	Thin bds sh/si very altered w qtz vnlts	Rock grab			Arc 4	5612
90SPR013	Gry fine gr sil and, cb vnlts	Rock grab	1% py		Arc 4	5612
90SPR014	D gry sil and, slightly calc, cb vnlts	Rock grab	<1% py		Arc 4	5612
90SPH001		Bulk strean			Arc 4	5612
90SPR015	Intbdd sh/si, sil	Rock grab		fracture	Arc 4	5612
90SPR016	Matrix supp congl, oligom sh clasts calc	Rock grab			Arc 4	5612
90SPR017	Intbdd sh/si/ss, qtz vein 2cm & vnlts	Rock grab	2% disse py	bedding	Arc 4	5612
90SDR010	Mafic volc, gr aphanitic ands.	Rock grab	<3% py in blebs		Arc 3	5611
90SDR011	V. sil aphan gr volc-ands.	Rock grab	<3% py in blebs		Arc 3	5611
90SDR012	Sil gr aphan volc with calcite veinlets	Rock grab	Tr py blebs 1%	Shear W dip	Arc 3	5611
90SDR013	Altered mafic volc w felsic volc pods	Chip, 0.5 m		Fault	Arc 3	5611
90SPR018	Thin intbds sh/si/ss, sil, Fe rust	Rock grab		bedding	Arc 4	5612
90SPR019	D gry/purp fine gr sil and, qtz veinlets	Rock grab			Arc 4	5612
90SPR020	Gry/purp fine gr and, slightly calc	Float	7% py, 3% cpy	qtz/cb vnlts	Arc 4	5612
90SPR021	Gry aph sil dacite?, qtz veinlets	Rock grab			Arc 4	5612
90SPR022	D gry/grn sil altered and slightly calc	Rock grab		cb vnlts	Arc 4	5612
90SPR023	Intbdd sh/si, sil	Rock grab	<1% disse py		Arc 4	5612
90SPR024	L gry sil fel tuff? qtz/cb vnlts <1cm	Float	5% py along vnlts		Arc 4	5612
90SPR025	Gry/grn fine gr sil and, calc, cb veins	Rock grab	trace py in veins		Arc 4	5612
90SPR026	Intbdd sh lenses from shearing, Fe rust	Rock grab			Arc 4	5612
90SPR027	D gry/grn sil and, calc, cb veins 3cm	Rock grab	<1% py		Arc 4	5612
90SPR028	D gry/grn fine gr sil and slightly calc	Rock grab	1% py along veinlets	cb vnlts	Arc 4	5612
90SPR029	Fractured sh, Fe rust & slickensides	Rock grab		qtz/cb vnlts	Arc 4	5612
90SPR030	Gry med gr sil and slightly calc	Rock grab	<1%	cb vnlts	Arc 4	5612
90SPR031	Cb/qtz vein .5-2cm in and host	Rock grab		qtz xls .5cm	Arc 4	5612
90SPR032	D gry w blk spots and tuff slightly calc	Rock grab	<1% py disseminated	qtz/cb veins	Arc 4	5612
90SPR033	Cherty sh/si intbds xcutting qtz vnlts	Rock grab	5% py in veinlets	bdg & cleav	Arc 4	5612
90SPR034	Gry fin gr sil and very calc, cb vnlts	Rock grab	trace py	pillow	Arc 4	5612
90SPR035	Ls xcut by qtz vnlts very calc 10cm lens	Rock grab	5% py	pillow edges	Arc 4	5612

90SPR036	Gry/grn and	Rock grab			Arc 4	5612
90SPR037	Gry fin gr and qtz stringers Fe/Mn stain	Rock grab	<1% py	pillow	Arc 4	5612
90SPR038	Gry fin gr massive and Fe/Mn stain	Rock grab		qtz/cb vnlts	Arc 4	5612
90SPR039	Gry fin-med gr and slightly calc	Rock grab		qtz/cb vnlts	Arc 4	5612
90SPR040	Gry/grn intmed volc slightly calc	Rock grab	1% disseminated py	qtz vein 1cm	Arc 4	5612
90SPR041	Gry fin-med gr and w qtz stringers	Rock grab	<1% py		Arc 4	5612
90SPR042	Sil sh/si, qtz veinlets	Rock grab		bdg & cleav	Arc 4	5612
90SPR043	Gry/grn med gr and tuff qtz/cb vnlts	Rock grab			Arc 4	5612
90SPR044	Gry/grn altered and, Fe/Mn/chlor stain	Rock grab	1% py along vnlts	qtz vnlts	Arc 4	5612
90SPR045	Gry/grn sil and chlorite stain	Rock grab		qtz/cb vnlts	Arc 4	5612
90SPR046	Cherty brecc sh/si qtz vnlts Fe/Mn stain	Rock grab	3% py along vnlts	qtz veinlets	Arc 4	5612
90SPR047	Polym clast-supp congl,calc,qtz vnlts	Rock grab	<1% py		Arc 4	5612
90SPR048	Calc med gr well-sorted ss, qtz vnlts	Rock grab			Arc 4	5612
90SPR049	D gry fin-med gr and slightly calc	Rock grab	3% py on fractures	qtz/cb vnlts	Arc 3	5611
90SPR050	D gry fin-med gr and, calc, slickensides	Rock grab	2% py	cb vnlts	Arc 3	5611
90SPR051	Sil aph l gry/grn rhy(dac?) carb banding	Rock grab		cb vnlts	Arc 3	5611
90SPR052	L gry/grn/purp aph sil rhy Fe/Mn stain	Rock grab	<1% disseminated py	qtz vnlts	Arc 3	5611
90SPR053	L gry/grn/purp aph sil rhy	Rock grab	1% py	qtz vnlts	Arc 3	5611
90SPR054	L-d gry/grn diorite(gabb?) Fe/Mn stain	Rock grab	1% disseminated py	cb vnlts	Arc 3	5611
90SPH002		Bulk stream			Arc 4	5612
90SJL001		Silt			Arc 4	5612
90SJL002		Silt			Arc 4	5612
90SPR055	Intbdd sh/si/ss, calc ss w qtz vnlts	Rock grab	trace py	bedding	Arc 4	5612
90SPR056	Fin gr lithic ss, calc, qtz vnlts <2mm	Rock grab	trace py		Arc 4	5612
90SJR001	Oligom matrix-supp congl, sh clasts calc	Rock grab	<1% py		Arc 4	5612
90SJR002	Lithic ss (grywke) slightly calc	Rock grab	<1% disseminated py		Arc 4	5612
90SJR003	L gry sil fel volc xcut by qtz vnlts	Float	2-3% disseminated py		Arc 4	5612
90SJR004	Inbdd calc ss/si, qtz vnlts 1-10mm	Rock grab	trace py		Arc 4	5612
90SJR005	L gry aph sil rhy, qtz vnlts	Float	3% dissem py, 3% cpy		Arc 4	5612
90SJR006	Gry/grn fin-med gr calc Fe/Mn stain	Rock grab	1% py	qtz/cb vnlts	Arc 4	5612
90SJR007	D gry fin gr sil and Fe/Mn stain	Rock grab		qtz/cb vnlts	Arc 4	5612
90SJR008	Intbdd sh/si/ss	Rock grab			Arc 4	5612
90SJR009	Gry/grn fin gr sil and slightly calc	Rock grab		qtz/cb vnlts	Arc 4	5612
90SJR010	D gry fin gr sil and, qtz veinlets <3mm	Rock grab			Arc 4	5612
90SJR011	Cherty sil sh Fe/Mn stain qtz vnlts 1mm	Rock grab			Arc 4	5612
90SJR012	Cherty sil sh, Fe/Mn stain qtz vnlts 1mm	Rock grab		shearing	Arc 4	5612
90SJR013	Gry fin gr sil and slightly calc	Rock grab		qtz/cb vnlts	Arc 4	5612
90SJR014	Gry fin gr and tuff? slightly calc	Rock grab	1% py	cb vnlts	Arc 4	5612
90SJR015	Gry fin gr sil and, qtz vnlts	Rock grab			Arc 4	5612
90SJR016	Gry fin-med and tuff? slightly calc	Rock grab	3% py along vnlts	qtz/cb vnlts	Arc 4	5612
90SJR017	D gry fin gr sil and, cb vnlts <1mm	Rock grab	1% disseminated py	flow banding	Arc 4	5612
90SJR018	D gry/blk spots and tuff Fe/Mn stain	Rock grab	<1% py	cb vnlts	Arc 4	5612
90SJR019	D gry/blk spots and tuff slightly calc	Rock grab	<1% py	cb vnlts	Arc 4	5612
90SJR020	L gry fin gr sil rhy, qtz vnlts	Float	5% py dissem & conc		Arc 4	5612
90SJR021	Gry fin gr sil and very calc cb-vnlts	Rock grab	trace py	pillows	Arc 4	5612
90SJR022	Gry/grn and	Rock grab			Arc 4	5612
90SJR023	Cb veins 3-10mm in and host	Rock grab	2% py along veins		Arc 4	5612
90SJR024	Gry/grn sil and tuff? qtz/cb vnlts	Rock grab	1% disseminated py		Arc 4	5612
90SJR025	Gry fin gr sil and slightly calc	Rock grab		cb stringers	Arc 4	5612
90SJR026	Gry/grn fin-med gr and slightly calc	Rock grab	1% disseminated py	qtz/cb vnlts	Arc 4	5612
90SJR027	Gry fin gr sil and Fe/Mn stain	Rock grab	<1% py		Arc 4	5612
90SJR028	Grn/blk spots fin gr and	Rock grab	1% py	qtz/cb vnlts	Arc 4	5612
90SJR029	Gry/grn sil and Fe/Mn stain slickensides	Rock grab	<1% py	qtz vnlts	Arc 4	5612
90SJR030	Gry/grn sil brecciated and Fe/Mn stain	Rock grab			Arc 4	5612

90SJR031	Cherty brecc sh Fe rust qtz vein 1cm	Rock grab		red eu qtz	Arc 4	5612
90SJR032	Cherty brecc sh Fe rust qtz vnlts	Rock grab		beds evident	Arc 4	5612
90SJR033	Gry/grn fin gr and slightly calc	Rock grab	<1% py along vnlts	qtz vnlts	Arc 4	5612
90SJR034	Cherty brecc shale Fe rust qtz vnlts	Rock grab			Arc 4	5612
90SJR035	Lithic ss with cb veinlets	Rock grab	<1% py	qtz vn 7mm	Arc 4	5612
90SJR036	Calc lithic ss with qtz veinlets	Rock grab	<1% py		Arc 4	5612
90SJR037	Sil intbdd sh/si	Rock grab	trace py	bedding	Arc 4	5612
90SJR038	L gry/grn aph rhy(dac?)	Rock grab	1% py	qtz vnlts	Arc 4	5612
90SJR039	Sil intbdd sh/si	Rock grab	trace py	bedding	Arc 4	5612
90SJR040	Sil intbdd sh/si/ss	Rock grab	trace py	bedding	Arc 4	5612
90SJR041	Intbdd sh/si/ss qtz veinlets	Rock grab	trace py	cb vns 8mm	Arc 4	5612
90SJR042	Intbdd sh/si/ss qtz veinlets	Rock grab	1% py along vnlts	bedding	Arc 4	5612
90SJR043	Qtz vein 2cm in sh host	Rock grab			Arc 4	5612
90SJR044	Lithic ss w xcutting qtz veins 2-10mm	Rock grab	trace py		Arc 4	5612
90SCR001	Arenite (sandstone)	Rock grab	>1% phy		Arc 4	5612
90SDR014	Altered tuffaceous volc.	Float	5% py		Arc 4	5612
90SDR015	Altered volc.	Float	3% py, 1% cpy?		Arc 4	5612
90SDR016	Ands pillow lava, calc. breccia matrix	Rock grab	Tr py in calc matrix		Arc 4	5612
90SDR017	Altered volc, gr aphan, propilitic alter	Rock grab	2% py		Arc 4	5612
90SDR018	Calcite vein in gr pillow lava unit	Rock grab		25cm w vein	Arc 4	5612
90SDR019	Flat lying calc vein in Ands pillow lava	Rock grab	3% py dissm in volc	2m w v'n zon	Arc 4	5612
90SDR020	Volc boulder gossanous	Float	10-20% dissm py+gy?		Arc 4	5612
90SDR021	Gossanous altered volc. Tectonized	Rock grab	Tr dissm py		Arc 4	5612
90SDR022	Gossanous altered volc. Tectonized	Rock grab	10% py, 3% cpy		Arc 4	5612
90SDR023	Gossanous volc. underlie pillow lavas	Rock grab	5% py dissm & nodule	90 contact	Arc 4	5612
90SDR024	Shear zone 5-15cm wide si in volc.	Rock grab	Fe/Mn	Shear zone	Arc 4	5612
90SPR057	Thin intbdss sh/si/ss	Rock grab	trace py	bedding	Arc 4	5612
90SPR058	Thin intbdd sh/si/ss	Rock grab	trace py	bedding	Arc 4	5612
90SPR059	Thin intbdd sh/si/ss	Rock grab	trace py	bedding	Arc 4	5612
90SPR060	Intbdd sh/si/ss calc along fractures	Rock grab	trace py	bedding	Arc 4	5612
90SPR061	Intbdd sh/si/ss qtz veinlets	Rock grab	trace py	bedding	Arc 4	5612
90SPR062	Gry/grn sil and calc qtz/cb vnlts	Float		pillows	Arc 4	5612
90SPR063	Gry/grn sil and very calc qtz&cb vnlts	Float	<1% py	pillows	Arc 4	5612
90SPR064	Sh/si near contact slknsides Fe-rust	Rock grab		folded	Arc 4	5612
90SPR065	Sh convolute bdg, fractured, cb vnlts	Rock grab			Arc 4	5612
90SPR066	L gry/blk spots fel volc cb & qtz vnlts	Rock grab	<1% py	flow banding	Arc 4	5612
90SPR067	L gry/blk spots fel volc cb & qtz vnlts	Rock grab	2% py	flow banding	Arc 4	5612
90SPR068	Sil gry/grn and calc	Rock grab	<1% py	cb veinlets	Arc 4	5612
90SPR069	Intbdd sh/si/ss	Rock grab		bedding	Arc 4	5612
90SPR070	Gry/grn and dyke 2m thick Fe-rust calc	Rock grab	1% py		Arc 4	5612
90SPR071	Gry/grn sil intmed volc calc cb-vnlts	Rock grab	3% disseminated py	dyke	Arc 4	5612
90SPR072	Intbdd sh/si/ss w 5cm dyke qtz/cb vnlts	Rock grab			Arc 4	5612
90SPR073	L gry/grn/blk spots intmed volc Fe-rust	Rock grab	3-5% py	qtz vnlts	Arc 4	5612
90SPR074	L gry/blk spots altered/bleached and	Rock grab		cb-veinlets	Arc 4	5612
90SPR075	Grn/blk specks altered and Fe-rust	Rock grab	1% disseminated py	cb vnlts	Arc 4	5612
90SPR076	Gry/grn and qtz/cb vnlts calc borders	Rock grab	3%py 1% ga in border		Arc 4	5612
90SPR077	Coarse gr blk/wht gabbro cb-vnlts	Rock grab	2% mag 1% py		Arc 4	5612
90SPR078	D gry fin gr sil and calc interstices	Rock grab	2% py in cb veinlets	pillows	Arc 3	5611
90SPR079	Gry/purp sil and calc-amygdules	Rock grab	<1% py	cb-vnlts	Arc 3	5611
90SPR080	Gry/grn/purp and Fe-Mn stain slknsdes	Rock grab	3% py along veinlets	qtz/cb vnlts	Arc 3	5611
90SPR081	Cherty sh xcut by qtz vnlts and host	Rock grab			Arc 3	5611
90SPR082	Gry sil and qtz veinlts	Rock grab	<1% py		Arc 3	5611
90SPR083	Gry/purp and tuff calc-amygd slknsdes	Rock grab	<1% py	qtz vnlts	Arc 3	5611
90SPR084	Gry/purp and Fe/Mn stain slknsdes	Rock grab	5% py in blebs	cb veinlets	Arc 3	5611

90SPR085	Gry/purp and Fe/Mn stain slknsdes	Rock grab	<1% py	cb veinlets	Arc 3	5611
90SPR086	Gry/purp and Fe/Mn stain slknsdes	Rock grab	2% py	cb veinlets	Arc 3	5611
90SPR087	Cherty sh qtz-vnlts Fe-rusted surface	Rock grab			Arc 3	5611
90SPR088	Brecciated shale, qtz veinlets	Rock grab			Arc 3	5611
90SPR089	l gry/l brn sil dacite? altered on vnlts	Rock grab		cb-veinlets	Arc 3	5611
90SPR090	Highly altered cherty sh in lenses	Rock grab		cb-veinlets	Arc 3	5611
90SPR091	Grn altered and Fe/Mn stain slknsdes	Rock grab		qtz veinlets	Arc 3	5611
90SPR092	Gry/grn/blk spots and Fe/Mn stain slknsd	Rock grab	1% py	qtz/cb vnlts	Arc 3	5611
90SPR093	Gry and brecc? calc slknsdes fractured	Rock grab	<1% py	cb-veinlets	Arc 3	5611
90SPR094	Sil sh/si qtz-veinlets	Rock grab		bedding	Arc 3	5611
90SPR095	Gry/grn altered and, slkndes	Rock grab			Arc 3	5611
90SPR096	Brecc cherty sh Fe-rust qtz-veinlets	Rock grab		bedding	Arc 3	5611
90SBR001	Pillow lava, steep dipping ands	Rock grab	<.1% py disse		Arc 4	5612
90SPR097	Sil sh/si/ss, altrd qtz-vnlts Fe-rust	Rock grab		bedding	Arc 3	5611
90SPR098	Sil gry/blk spots and cb/qtz-vnlts calc	Rock grab	2% disseminated py	sh contact	Arc 3	5611
90SPR099	Altrd gry/grn and slknsds Fe/Mn-stain	Rock grab	trace py	qtz/cb-vnlts	Arc 3	5611
90SPR100	Very folded cherty sh, qtz-vns <1-20mm	Rock grab			Arc 3	5611
90SPR101	Gry sil dac, qtz-vnlts <2mm	Rock grab	3% along veinlets		Arc 3	5611
90SPR102	Gry/grn altrd and, slight brecc, slknsds	Rock grab		qtz vns 7mm	Arc 3	5611
90SPR103	Cherty sh, cb-vnlts, slightly brecc	Rock grab			Arc 3	5611
90SPR104	Qtz vn 5cm thru sh/and contact	Rock grab			Arc 3	5611
90SPR105	Sil gry/grn aph brecc dac? qtz/cb-vnlts	Rock grab	1% py along vnlts		Arc 3	5611
90SPR106	Qtz vn 25cm intmxd w and, Fe/Mn stain	Rock grab		vein	Arc 3	5611
90SPR107	Brecc cherty sh qtz-vnlts Fe-rusted	Rock grab			Arc 3	5611
90SJR045	Intbdd sh/si/ss locally folded	Rock grab		bedding	Arc 3	5611
90SJR046	Qtz vn assoc w fold along local fault	Rock grab			Arc 4	5612
90SJR047	Lithic ss slightly calc	Rock grab	trace py		Arc 4	5612
90SJR048	D gry/grn sil and very calc	Rock grab	2% disseminated py	dyke 1.5m	Arc 4	5612
90SJR049	Intbdd sh/si/ss qtz-vnlts <5mm	Rock grab	7% py along veins		Arc 4	5612
90SJR050	Qtz vns 1-10mm xcutting sh/si/ss	Rock grab			Arc 4	5612
90SJR051	Intbdd sh/si/ss	Rock grab		bedding	Arc 4	5612
90SJR052	Intbdd sh/si	Rock grab		bedding	Arc 4	5612
90SJR053	Intbdd sh/si/ss qtz-vnlts	Rock grab	trace py	bedding	Arc 4	5612
90SJR054	Gry/grn sil and very calc qtz&cb vnlts	Float	<1% py	pillows	Arc 4	5612
90SJR055	Sil gry/grn and slighly calc cb-vnlts	Float	trace py	pillows	Arc 4	5612
90SJR056	D gry/grn and (tuff?)	Float	<1% py		Arc 4	5612
90SJR057	D gry/blk and slightly calc cb-vnlts	Rock grab	1% py	pillows	Arc 4	5612
90SJR058	Gry/grn and cb-vns 2-10mm	Rock grab			Arc 4	5612
90SJR059	Gry/grn and calc cb-vn 5mm	Rock grab	1% py		Arc 4	5612
90SJR060	Intbdd sh/si/ss Fe-rusted	Rock grab			Arc 4	5612
90SJR061	Intbdd sh/si calc qtz-vn 1cm	Rock grab		qtz/cb vnlts	Arc 4	5612
90SJR062	Altrd gry and slknsds/shear cb-vnlts	Rock grab	trace py		Arc 4	5612
90SJR063	l gry/wht spots and vesicbamygd Fe-rust	Rock grab	2% disseminated py	pillows	Arc 4	5612
90SJR064	Gry/grn/blk spots and qtz/cb vn 2cm	Rock grab	trace py	pillows	Arc 4	5612
90SJR065	Gry/wht spots and tuff Fe-rust	Rock grab	2% disseminated ppy	qtz&cb vnlts	Arc 4	5612
90SJR066	Gry/grn and brecc qtz-vnlts gossanous	Rock grab	2% py	pillows	Arc 4	5612
90SJR067	Gry/grn and brecc qtz/cb vnlts gossan.	Rock grab	2% py	pillows	Arc 4	5612
90SJR068	Gry/grn/blk and qtz vnlts gossanous	Rock grab	2% py	pillows	Arc 4	5612
90SJR069	Gry/grn/blk and qtz-vnlts gossanous	Rock grab	2% py	pillows	Arc 4	5612
90SJR070	Cherty sh w qtz/cb vnlts <5mm	Rock grab			Arc 4	5612
90SJR071	Gry/grn and qtz/cb vnlts	Rock grab	5% py along vnlts		Arc 4	5612
90SJR072	Sil fin gr gabb (dior?) slightly brecc	Rock grab	trace py	qtz vn 1cm	Arc 4	5612
90SJR073	Sil med gr dior calc (cb-vnlts?)	Rock grab	<1% py		Arc 4	5612
90SJR074	Sil coar gr dior qtz vns 2-20mm	Rock grab?	5% py in blebs		Arc 4	5612

90SJR075	Cherty sh qtz vnlts altrd Fe-rust	Rock grab	5% disseminated py	dior contact	Arc 4	5612
90SJR076	Gry/grn and cb-vnlts slknsds calc	Rock grab	2% py vns & fracs	qtz vns 1cm	Arc 4	5612
90SJR077	Gry/grn and qtz/cb vns 1-10mm	Rock grab	2% py	qtz vn 12cm	Arc 4	5612
90SJR078	Cherty sh, brecc qtz vn 3cm, Fe-rust	Rock grab		qtz vnlts	Arc 4	5612
90SJR079	Cherty sh xcut cb-vnlts slightly brecc	Rock grab			Arc 3	5611
90SJR080	Gry/blk spots and slightly calc	Rock grab	trace py	cb-amygd	Arc 3	5611
90SJR081	Dlk/wht/grn dior calc qtz-vnlts slknsds	Rock grab	trace py		Arc 3	5611
90SJR082	Gry sil and qtz/cb vnlts <1-20mm slknsds	Rock grab	1% py		Arc 3	5611
90SJR083	Gry/grn sil and qtz/cb-amygd slknsds	Rock grab			Arc 3	5611
90SJR084	Gry sil and cb-vnlts slknsds Fe-rust	Rock grab	1% py		Arc 3	5611
90SJR085	Altrd gry and qtz-vnlts slknsds	Rock grab			Arc 3	5611
90SJR086	Blk sil basalt Fe/Mn/blue stain slknsds	Rock grab		qtz-vnlts	Arc 3	5611
90SJR087	Gry/grn sil and qtz & cb-vnlts slknsds	Rock grab			Arc 3	5611
90SJR088	L gry sil fel volc (dac?) vnlts <1cm	Rock grab	<1% py	qtz/cb-vnlts	Arc 3	5611
90SJR089	Gry/grn sil and slightly calc slknsds	Rock grab	<1% py	qtz/cb-vnlts	Arc 3	5611
90SJR090	Cherty sh slknsds Fe/Mn stain	Rock grab	trace py	qtz-vnlts	Arc 3	5611
90SJR091	Cherty sh qtz-vnlts Fe/Mn stain slknsds	Rock grab	trace py		Arc 3	5611
90SJR092	Cherty sh qtz-vnlts Fe/Mn stain slknsds	Rock grab	trace py		Arc 3	5611
90SJR093	Gry/grn and slknsds/shear Fe-stain	Rock grab	<1% py	qtz/cb-vnlts	Arc 3	5611
90SJR094	Gry/grn/blk sil and slknsds	Rock grab	trace py	qtz/cb-vnlts	Arc 3	5611
90SJR095	Cherty sh qtz-vnlts Fe/Mn stain slknsds	Rock grab	2% py along surface		Arc 3	5611
90SJR096	Sil brecc and(dac?) qtz-vnlts Fe-stain	Rock grab	<1% py		Arc 3	5611
90SJR097	Gry sil and blk banding Fe-stain	Rock grab	2% py diss & blebs	qtz/cb vnlts	Arc 3	5611
90SJR098	Gry/grn/blk and qtz/cb-vnlts slknsds	Rock grab	trace py		Arc 3	5611
90SJR099	Gry/grn/blk sil and qtz/cb-vnlts slknsds	Rock grab	<1% py diss & blebs		Arc 3	5611
90SJR100	Grn/blk spots aph sil dac qtz/cb-vnlts	Rock grab	2% py		Arc 3	5611
90SJR101	L gry aph sil fel volc qtz/cb-vnlts	Rock grab	1-2% py along vnlts		Arc 3	5611
90SJR102	D gry/blk spots sil aph dac qtz-vnlts	Rock grab	2% disseminated py		Arc 3	5611
90SJR103	L gry sil fel volc(dac?) blk spots	Rock grab	1% py	qtz/cb-vnlts	Arc 3	5611
90SJR104	L-d gry sil aph dac qtz vnlt 3mm Fe-rust	Rock grab	1% py		Arc 3	5611
90SJR105	Gry/purp fin gr and qtz & cb-vnlts	Rock grab			Arc 3	5611
90SJR106	Gry/purp fin gr and qtz & cb-vnlts	Rock grab			Arc 3	5611
90SJR107	Purp/gry/grn and qtz/cb vnlts <4mm	Rock grab	<1% py	pillows	Arc 3	5611
90SJR108	Gry/grn/jpurp and cb-vnlts <2mm Mn-stain	Rock grab		pillows	Arc 3	5611
90SJR109	Gry/grn and cb-interstices qtz/cb-vnlts	Rock grab	1% py	pillows	Arc 3	5611
90SJR110	Gry/grn sil and qtz/cb-blebs slknsds	Rock grab	5% py 5% graphite	cb-vns <4cm	Arc 3	5611
90SJR111	Blk/wht/gry med gr dior qtz & cb-vnlts	Rock grab	2% py		Arc 3	5611
90SJR112	Gry/grn and qtz/cb-vnlts(brecc) slknsds	Rock grab	2% py in blebs		Arc 3	5611
90SJR113	Flow brecc sil and clasts cb-interstices	Rock grab		qtz&cb-vnlts	Arc 3	5611
90SJR114	Flow brecc sil and clasts cb-interstices	Rock grab		qtz&cb vnlts	Arc 3	5611
90SJR115	Gry sil and slknsds/shear Fe/Mn-stain	Rock grab	5% py in blebs	cb-vnlts	Arc 3	5611
90SKR001	Highly sheared sh altrd to clay, Fe-rust	Trench grab		qtz-vnlts	Arc 4	5612
90SKR002	Highly sheared sh altrd to clay, Fe-rust	Trench grab		qtz-vnlts	Arc 4	5612
90SKR003	Highly sheared sh altrd to clay, Fe-rust	Trench grab		qtz-vnlts	Arc 4	5612
90SKR004	Altrd l-d gry and slknsds/shear	Trench grab	1-2% py	cb-vnlts	Arc 4	5612
90SKR005	Altrd l-d gry/grn and slknsds Fe-rust	Trench grab	2% py	cb-vnlts	Arc 4	5612
90SLR001	Siltst.,sheared; dacite,altered	Rock grab			Arc 3	5611
90SLR002	Volcanic, dacite tuff	Rock grab	1-3%py	fracture	Arc 3	5611
90SLR003	Tuff ,fault shear	Rock grab	1-4%py	fault	Arc 3	5611
90SLR004	Shear zone	Rock grab	1-3%py	fault	Arc 3	5611
90SLR005	Fracture zone, 2m, qtz.,carb.	Rock grab	5-7%py	fracture	Arc 3	5611
90SLR006	Andesite,massive,dk.grey-green	Rock grab	2-3%py		Arc 3	5611
90SLR007	Aphanitic, dk. grey-bl., carb. vnlets	Rock grab	1%py		Arc 3	5611
90SLR008	Volcanic, alt., siliceous	Rock grab	3-4%py	fault	Arc 3	5611

90SLR009	Volcanic, fault zone	Rock grab	3-4Zpy	Arc 3	5611	0

APPENDIX IV

ANALYTICAL DATA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Explorations Ltd
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9572

SAMPLE(S) OF Silts

INVOICE #: 14777
P.O.: R-2186

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SJL001	10
90SJL002	5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 21/90

SIGNED _____

For enquiries on this report, please contact Customer Service Department.
Samples, Pulps and Rejects discarded two months from the date of this report.

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-EC-019 - HI-TEC P.O. R-2186

T.S.L. REPORT No. : S - 9572 - I
T.S.L. File No. :
T.S.L. Invoice No. : 15020

ALL RESULTS PPM

ELEMENT		90SIL001	90SIL002
Aluminum	[Al]	16000	19000
Iron	[Fe]	33000	37000
Calcium	[Ca]	4100	4500
Magnesium	[Mg]	5300	5500
Sodium	[Na]	90	110
Potassium	[K]	540	700
Titanium	[Ti]	350	260
Manganese	[Mn]	570	640
Phosphorus	[P]	470	540
Barium	[Ba]	190	270
Chromium	[Cr]	33	37
Zirconium	[Zr]	6	7
Copper	[Cu]	45	53
Nickel	[Ni]	61	71
Lead	[Pb]	8	10
Zinc	[Zn]	100	120
Vanadium	[V]	56	61
Strontium	[Sr]	21	27
Cobalt	[Co]	18	20
Molybdenum	[Mo]	< 2	< 2
Silver	[Ag]	< 1	< 1
Cadmium	[Cd]	< 1	< 1
Beryllium	[Be]	< 1	< 1
Boron	[B]	< 10	< 10
Antimony	[Sb]	< 5	< 5
Yttrium	[Y]	9	10
Scandium	[Sc]	6	8
Tungsten	[W]	< 10	< 10
Niobium	[Nb]	< 10	< 10
Thorium	[Th]	30	20
Arsenic	[As]	5	25
Bismuth	[Bi]	< 5	< 5
Tin	[Sn]	< 10	< 10
Lithium	[Li]	25	30
Holmium	[Ho]	< 10	< 10

DATE : AUG-30-1990

SIGNED : Bernie Dunn

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTEPPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX. (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S1146

INVOICE #: 15879
P.O.: R2153

SAMPLE(S) OF Heavy Sediment

D. Collins
Project: 90-BC-019

REMARKS: Hi Tec Resources

	Au ppb
90SPH 002	<5

COPIES TO: J. Foster, P. Lougheed
INVOICE TO: Prime - Vancouver

Oct 12/90

SIGNED Bernie Ouin

CTA

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 1146 - 1
T.S.L. File No. : M - 3014
T.S.L. Invoice No. : 1567

PROJECT: 90-BC-019 -I- TBD RESOURCES

ALL RESULTS PPM

ELEMENT		90SPR 002
Aluminum	[Al]	10600
Iron	[Fe]	34000
Calcium	[Ca]	6900
Magnesium	[Mg]	5000
Sodium	[Na]	70
Potassium	[K]	60
Titanium	[Ti]	3900
Manganese	[Mn]	290
Phosphorus	[P]	240
Barium	[Ba]	31
Chromium	[Cr]	34
Zirconium	[Zr]	18
Copper	[Cu]	67
Nickel	[Ni]	36
Lead	[Pb]	15
Zinc	[Zn]	49
Vanadium	[V]	120
Strontium	[Sr]	17
Cobalt	[Co]	22
Molybdenum	[Mo]	< 2
Silver	[Ag]	< 1
Cadmium	[Cd]	< 1
Beryllium	[Be]	< 1
Boron	[B]	< 10
Antimony	[Sb]	< 5
Yttrium	[Y]	10
Scandium	[Sc]	5
Tungsten	[W]	< 10
Niobium	[Nb]	< 10
Thorium	[Th]	20
Arsenic	[As]	15
Bismuth	[Bi]	< 5
Tin	[Sn]	< 10
Lithium	[Li]	< 5
Holmium	[Ho]	< 10

DATE : OCT-11-1990

SIGNED : Bernie Quinn

TSL LABORATORIES
DIV BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B. C.
V6C 2X6

REPORT No. S9332

INVOICE #: 14562
P.O.: R-2090

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi - Tec Resources

	Au ppb	Hg ppb
90-SPR-001	15	390
90-SPR-002	15	190
90-SPR-003	10	830
90-SPR-004	5	50
90-SPR-005	<5	10
90-SPR-006	5	170
90-SPR-007	10	220
90-SPR-008	15	20
90-SPR-009	15	690
90-SPR-010	<5	<10
90-SPR-011	<5	<10
90-SPR-012	5	40
90-SPR-013	<5	<10
90-SPR-014	10	10
90-SPR-015	5	10
90-SPR-016	5	50
90-SPR-017	5	100
90-SPR-018	10	400
90-SPR-019	<5	<10
90-SPR-020	<5	<10

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernie Quinn

CTA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 46th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX. (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B. C.
V6C 2X6

REPORT No. S9332

INVOICE #: 14562
P.O.: R-2090

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi - Tec Resources

	Au ppb	Hg ppb
90-SPR-021	<5	60
90-SPR-022	5	<10
90-SPR-023	5	150
90-STR-001	5	30
90-STR-002	5	50
90-STR-003	5	10
90-STR-004	5	10
90-STR-005	<5	10
90-STR-006	5	100

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernie Dunn

CTA

T B L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1030
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN
Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
609 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-3050

T.B.L. REPORT No. : 8 - 9001 - 1
T.B.L. File No. :
T.B.L. Invoice No. : 14704

ALL RESULTS PPM

ELEMENT		90-SFR 001	90-SFR 002	90-SFR 003	90-SFR 004	90-SFR 005	90-SFR 006	90-SFR 007	90-SFR 008	90-SFR 009	90-SFR 010
Aluminum	[Al]	9200	25000	12000	25000	21000	20000	14000	11000	16000	25000
Iron	[Fe]	26000	54000	36000	39000	36000	26000	25000	12000	32000	42000
Calcium	[Ca]	2400	24000	4000	19000	18000	16000	4100	14000	5700	18000
Magnesium	[Mg]	5100	9700	6300	9000	8100	8200	6000	2600	4600	8300
Sodium	[Na]	100	210	160	160	170	230	150	130	110	250
Potassium	[K]	320	240	1100	110	130	400	350	110	1200	140
Titanium	[Ti]	830	1200	2000	1600	1900	1800	2000	469	2000	2700
Manganese	[Mn]	230	490	330	570	370	620	410	140	150	490
Phosphorus	[P]	430	220	370	250	240	350	440	60	420	460
Barium	[Ba]	17	16	26	15	13	20	25	5	34	15
Chromium	[Cr]	39	64	52	130	23	30	62	100	37	110
Zirconium	[Zr]	10	17	25	19	10	23	25	9	16	27
Copper	[Cu]	42	47	47	24	47	47	61	6	35	24
Nickel	[Ni]	20	65	27	27	21	20	27	8	11	60
Lead	[Pb]	10	< 1	12	< 1	< 1	< 1	14	2	12	< 1
Zinc	[Zn]	150	49	130	66	54	46	170	16	64	70
Vanadium	[V]	110	65	79	54	100	88	120	22	58	97
Strontium	[Sr]	4	10	5	7	8	10	9	3	21	10
Cobalt	[Co]	4	15	5	20	17	19	10	3	2	22
Molybdenum	[Mo]	< 2	< 2	4	< 2	< 2	< 2	4	2	16	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	2	< 1	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	8	< 5	< 5	< 5	< 5	8	8	< 5
Yttrium	[Y]	8	6	9	8	8	8	11	3	9	11
Scandium	[Sc]	6	3	9	8	6	8	10	2	8	8
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	50	30	50	30	30	20	< 10	< 10	20
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5
Bismuth	[Bi]	< 5	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	10	10	10	10	10	< 5	10	8	8
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

T B L LABORATORIES
2-302-48TH STREET, EDMONTON, ALBERTA T6P 1N4
TELEPHONE #: (403) 451-1032
FAX #: (403) 463-5179

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-EC-019 - AZIMUTH P.O. P-2090

T.B.L. REPORT No. : 8 - 9011 - I
T.B.L. File No. :
T.B.L. Invoice No. : 14714

ALL RESULTS PPM

ELEMENT		90-EPP 011	90-EPP 012	90-EPR 013	90-EPR 014	90-EPR 015	90-EPR 016	90-EPP 017	90-EPR 018	90-EPR 019	90-EPR 020
Aluminum	[Al]	22000	11000	17000	24000	23000	11000	6600	24000	31000	14000
Iron	[Fe]	45000	29000	24000	37000	32000	21000	20000	41000	19000	55000
Calcium	[Ca]	13000	1900	17000	19000	1900	2300	3700	1600	37000	14000
Magnesium	[Mg]	5300	4200	5100	7900	6200	4200	3500	6300	2900	5100
Sodium	[Na]	190	150	350	140	120	170	120	100	50	210
Potassium	[K]	70	1200	140	190	1100	670	770	990	40	290
Titanium	[Ti]	2400	2400	1400	2400	110	48	18	18	480	2200
Manganese	[Mn]	540	160	230	310	240	230	230	350	120	310
Phosphorus	[P]	300	440	360	550	220	220	260	570	190	1210
Barium	[Ba]	10	25	6	32	90	100	200	460	25	27
Chromium	[Cr]	87	40	45	85	54	72	72	78	52	24
Zirconium	[Zr]	22	19	14	25	9	4	9	10	11	11
Copper	[Cu]	36	28	36	22	91	12	25	55	60	82
Nickel	[Ni]	85	10	81	70	70	45	60	160	17	7
Lead	[Pb]	< 1	16	< 1	< 1	7	8	8	11	< 1	5
Zinc	[Zn]	71	46	31	66	100	81	65	140	81	40
Vanadium	[V]	90	54	30	100	82	28	24	50	46	45
Strontium	[Sr]	12	3	6	18	6	26	47	20	6	6
Cobalt	[Co]	23	2	16	21	16	8	8	14	5	21
Molybdenum	[Mo]	< 2	12	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	10	4	9	13	7	4	3	15	4	20
Scandium	[Sc]	2	7	2	3	3	3	4	12	1	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	30	20	30	20	< 10	20	40	< 10	40
Arsenic	[As]	< 5	10	< 5	< 5	< 5	< 5	20	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	5	5	10	7	15	15	30	5	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

T E L LABORATORIES
2-312-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1700
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 11
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-EC-019 - HI- TEC P.O. #-2090

T.E.L. REPORT No. : S - 9011 - 2
T.E.L. File No. :
T.E.L. Invoice No. : 1470A

ALL RESULTS PPM

ELEMENT		90-SPR 021	90-SPR 022	90-SPR 023	90-STR 001	90-STR 002	90-STR 003	90-STR 004	90-STR 005	90-STR 006
Aluminum	[Al]	7900	30000	24000	12000	14000	2400	13000	6300	21000
Iron	[Fe]	12000	36000	40000	17000	22000	23000	22000	23000	32000
Calcium	[Ca]	6600	21000	2100	3700	1900	2400	3700	1400	10000
Magnesium	[Mg]	3400	9000	6100	5200	6400	400	5200	3600	6100
Sodium	[Na]	120	150	100	160	180	340	200	350	190
Potassium	[K]	810	50	1200	790	900	200	610	150	440
Titanium	[Ti]	970	1000	51	45	22	950	59	620	1900
Manganese	[Mn]	190	570	130	260	150	23	220	200	321
Phosphorus	[P]	220	330	760	300	310	88	270	200	283
Barium	[Ba]	49	27	450	120	120	14	190	17	49
Chromium	[Cr]	97	150	55	82	82	72	100	84	88
Zirconium	[Zr]	12	13	7	4	7	11	8	6	11
Copper	[Cu]	9	99	83	12	18	2	17	20	45
Nickel	[Ni]	10	78	60	44	74	5	71	6	52
Lead	[Pb]	11	< 1	14	7	9	3	8	4	16
Zinc	[Zn]	51	69	95	56	77	10	59	37	120
Vanadium	[V]	17	64	49	28	29	10	30	4	120
Strontium	[Sr]	2	11	24	57	15	5	32	4	5
Cobalt	[Co]	3	22	9	7	9	2	9	2	2
Molybdenum	[Mo]	2	< 2	< 2	< 2	< 2	< 2	< 2	2	3
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	12	8	8	8	8	7	4	8	7
Scandium	[Sc]	3	4	10	3	4	3	4	2	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	20	30	10	20	< 10	< 10	< 10	10
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	15	40	20	20	< 5	25	< 5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : Aug-16-1990

SIGNED : Bernie Quinn

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9463

INVOICE #: 14548
P.O.: R-2153

SAMPLE(S) OF: Rock

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resource Samples

	Au ppb
90SDR 001	<5
90SDR 002	<5
90SDR 003	<5
90SDR 004	10
90SDR 005	<5
90SDR 006	<5
90SDR 007	5
90SDR 008	<5
90SDR 009	<5
90SDR 010	<5
90SDR 011	<5
90SDR 012	<5
90SDR 013	<5
90SJR 007	<5
90SJR 008	5
90SJR 009	<5
90SJR 010	5
90SJR 011	10
90SJR 012	10
90SJR 013	<5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernie Dunn

CTA

TSL LABORATORIES
DIV BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 5A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9463

INVOICE #: 14548
P.O.: R-2153

SAMPLE(S) OF: Rock

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resource Samples

	Au ppb
90SJR 014	<5
90SJR 015	<5
90SJR 016	<5
90SJR 017	<5
90SJR 018	<5
90SJR 019	<5
90SJR 020	5
90SJR 021	<5
90SJR 022	<5
90SJR 023	<5
90SJR 024	<5
90SJR 025	<5
90SJR 026	<5
90SJR 027	<5
90SJR 028	<5
90SJR 029	<5
90SJR 030	<5
90SJR 031	5
90SJR 032	<5
90SJR 033	<5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernie Dunn

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TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET EAST
SASKATOON, SASKATCHEWAN
S7K 5A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9463

INVOICE #: 14548
P.O.: R-2153

SAMPLE(S) OF: Rock

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resource Samples

	Au ppb
90SJR 034	10
90SJR 035	<5
90SJR 036	<5
90SJR 037	5
90SJR 038	5
90SJR 039	10
90SJR 040	<5
90SJR 041	<5
90SJR 042	<5
90SPR 024	5
90SPR 025	<5
90SPR 026	5
90SPR 027	<5
90SPR 028	<5
90SPR 029	<5
90SPR 030	<5
90SPR 031	<5
90SPR 032	<5
90SPR 033	10
90SPR 034	<5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernie Ann

CTA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9463

INVOICE #: 14548
P.O.: R-2153

SAMPLE(S) OF: Rock

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resource Samples

	Au ppb
90SPR 035	<5
90SPR 036	<5
90SPR 037	<5
90SPR 038	<5
90SPR 039	<5
90SPR 040	<5
90SPR 041	<5
90SPR 042	5
90SPR 043	<5
90SPR 044	<5
90SPR 045	<5
90SPR 046	15
90SPR 047	5
90SPR 048	<5
90SPR 049	<5
90SPR 050	<5
90SPR 051	<5
90SPR 052	<5
90SPR 053	5
90SPR 054	<5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernie Dunn

CTA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON SASKATCHEWAN
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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No
S9463

INVOICE #: 14548
P.O.: R-2153

SAMPLE(S) OF Rock

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resource Samples

	Au ppb
90SLR 001	<5
90SLR 002	<5
90SLR 003	<5
90SLR 004	<5
90SLR 005	<5
90SLR 006	<5
90SLR 007	<5
90SLR 008	<5
90SLR 009	<5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 13/90

SIGNED Bernice Dunn

CTA

T S L LABORATORIES
2-302-46TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
609 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: I. FOSTER

T.S.L. REPORT No. : S - 9462 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14690

PROJECT: 90 EC 019 HI-TEC RESOURCE MANAGEMENT R-2153 ALL RESULTS PPM

ELEMENT		905DR 001	905DR 002	905DR 003	905DR 004	905DR 005	905DR 006	905DR 007	905DR 008
Aluminum	[Al]	29000	12000	35000	32000	43000	42000	41000	31000
Iron	[Fe]	33000	36000	62000	46000	52000	84000	39000	52000
Calcium	[Ca]	35000	3600	32000	21000	27000	11000	35000	12000
Magnesium	[Mg]	9300	6700	5500	6600	9400	9800	6700	8700
Sodium	[Na]	760	90	170	210	120	210	60	420
Potassium	[K]	620	440	90	310	40	60	60	350
Titanium	[Ti]	2200	1400	5100	3800	2600	5100	2100	3700
Manganese	[Mn]	330	650	980	360	690	1100	420	840
Phosphorus	[P]	320	130	770	520	330	1200	350	370
Barium	[Ba]	32	50	33	29	22	33	12	43
Chromium	[Cr]	160	150	61	86	160	31	60	51
Zirconium	[Zr]	4	11	52	35	28	42	24	35
Copper	[Cu]	36	1100	79	56	86	10	20	54
Nickel	[Ni]	130	22	28	23	63	12	21	31
Lead	[Pb]	< 1	120	4	30	17	1	17	< 1
Zinc	[Zn]	41	830	120	93	67	110	94	67
Vanadium	[V]	95	90	240	260	150	260	160	170
Strontium	[Sr]	31	3	22	10	9	8	7	12
Cobalt	[Co]	24	13	26	1	31	18	5	24
Molybdenum	[Mo]	< 2	< 2	< 2	20	< 2	< 2	8	< 2
Silver	[Ag]	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	3	< 1	1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	5	< 5	< 5	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	5	6	25	12	15	35	10	17
Scandium	[Sc]	1	6	20	18	13	12	9	9
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	10	60	30	30	80	30	40
Arsenic	[As]	< 5	25	< 5	10	15	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	5	20	< 5	5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	< 5	15	10	15	15	5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-23-1990

SIGNED : Bernie Ahn

T.S.L. LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
508 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9460 - I
T.S.L. File No. :
T.S.L. Invoice No. : 14650

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT P-2150 ALL RESULTS PPM

ELEMENT		90SDR 009	90SDR 010	90SDR 011	90SDR 012	90SDR 013	90SJR 007	90SJR 008	90SJR 009
Aluminum	[Al]	28000	17000	22000	25000	26000	30000	31000	22000
Iron	[Fe]	40000	31000	47000	35000	41000	36000	72000	46000
Calcium	[Ca]	61000	11000	10000	32000	21000	25000	3000	28000
Magnesium	[Mg]	6700	5500	6300	7300	7800	9100	7600	7500
Sodium	[Na]	200	470	190	260	220	240	160	290
Potassium	[K]	600	390	170	450	300	70	1700	140
Titanium	[Ti]	690	1800	1900	2000	3100	2100	140	4900
Manganese	[Mn]	720	920	980	750	770	590	1100	720
Phosphorus	[P]	270	250	510	240	420	360	540	1000
Barium	[Ba]	64	26	26	35	37	27	400	29
Chromium	[Cr]	190	62	21	110	43	160	72	46
Zirconium	[Zr]	16	40	35	42	26	20	12	29
Copper	[Cu]	56	10	20	14	34	50	58	10
Nickel	[Ni]	69	11	20	39	31	89	140	16
Lead	[Pb]	< 1	10	< 1	10	3	< 1	5	< 1
Zinc	[Zn]	57	120	85	70	62	55	170	110
Vanadium	[V]	150	68	160	72	120	90	60	220
Strontium	[Sr]	97	9	15	20	12	11	18	15
Cobalt	[Co]	24	6	18	12	16	26	13	15
Molybdenum	[Mo]	< 2	6	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	6	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	2	< 1	< 1	< 1	< 1	1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	10	< 5	5	15	< 5	10	< 5	< 5
Yttrium	[Y]	12	22	18	17	17	11	16	27
Scandium	[Sc]	14	7	5	9	6	6	14	17
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	10	40	20	40	10	50	40
Arsenic	[As]	< 5	< 5	35	20	< 5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	45	< 5	< 5	< 5	15	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	< 5	95	5	5	15	40	5
Holmium	[Ho]	< 10	< 10	120	< 10	< 10	< 10	20	< 10

DATE : AUG-25-1990

SIGNED : Bernie Denn

T B L LABORATORIES
2-202-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1020
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Aqua-Regia Digestion

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ATTN: J. FOSTER

T.B.L. REPORT No. : S - 9461 - I
T.B.L. File No. :
T.B.L. Invoice No. : 14990

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT A-2153 ALL RESULTS PPM

ELEMENT		90BJR 010	90BJR 011	90BJR 012	90BJR 013	90BJR 014	90BJR 015	90BJR 016	90BJR 017
Aluminum	[Al]	25000	22000	19000	35000	6800	23000	30000	9200
Iron	[Fe]	36000	52000	42000	53000	14000	47000	53000	19000
Calcium	[Ca]	15000	6900	5800	26000	3500	25000	26000	4600
Magnesium	[Mg]	6500	6900	6700	8400	3200	6500	9100	4400
Sodium	[Na]	160	150	150	210	430	190	210	210
Potassium	[K]	350	280	1300	120	70	90	120	870
Titanium	[Ti]	2800	3200	3700	3800	850	3500	3600	1300
Manganese	[Mn]	600	620	910	790	200	740	790	220
Phosphorus	[P]	360	450	460	430	200	950	480	210
Barium	[Ba]	50	41	63	39	12	15	25	93
Chromium	[Cr]	44	33	28	91	62	23	30	56
Zirconium	[Zr]	24	36	34	38	10	22	36	17
Copper	[Cu]	26	31	28	45	22	31	46	16
Nickel	[Ni]	12	17	17	32	8	10	25	6
Lead	[Pb]	17	17	23	2	9	< 1	< 1	4
Zinc	[Zn]	66	120	130	82	50	83	75	19
Vanadium	[V]	110	140	97	200	36	160	160	36
Strontium	[Sr]	5	12	7	13	4	10	13	5
Cobalt	[Co]	2	10	9	25	4	18	22	4
Molybdenum	[Mo]	4	< 2	2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	5	< 5	< 5	5	< 5
Yttrium	[Y]	19	14	29	18	7	21	17	14
Scandium	[Sc]	13	17	11	15	4	4	6	5
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	50	50	30	< 10	60	60	40
Arsenic	[As]	< 5	< 5	10	< 5	5	< 5	< 5	10
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	10	10	10	< 5	< 5	10	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-23-1990

SIGNED : Bernie Dunn

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T.S.L. REPORT No. : S - 9450 - A
T.S.L. File No. :
T.S.L. Invoice No. : 14570

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT A-3153 ALL RESULTS PPM

ELEMENT		90BJR 018	90BJR 019	90BJR 020	90BJR 021	90BJR 022	90BJR 023	90BJR 024	90BJR 025
Aluminum	[Al]	29000	27000	4500	26000	24000	37000	29000	22000
Iron	[Fe]	42000	41000	28000	42000	35000	25000	33000	47000
Calcium	[Ca]	12000	16000	3400	13000	25000	57000	24000	12000
Magnesium	[Mg]	9100	8100	2200	7900	7200	6600	7200	7900
Sodium	[Na]	660	660	420	300	260	50	180	180
Potassium	[K]	450	360	400	90	90	30	30	30
Titanium	[Ti]	2900	2600	2000	3700	3400	1600	2400	5500
Manganese	[Mn]	500	520	91	550	530	400	430	600
Phosphorus	[P]	560	540	310	790	330	300	270	770
Barium	[Ba]	32	27	15	25	20	12	16	13
Chromium	[Cr]	50	41	55	60	58	76	71	25
Zirconium	[Zr]	20	15	23	32	27	12	16	29
Copper	[Cu]	67	57	12	50	47	49	60	64
Nickel	[Ni]	55	62	5	42	39	41	50	18
Lead	[Pb]	< 1	< 1	5	< 1	< 1	< 1	10	< 1
Zinc	[Zn]	92	55	29	69	57	42	50	64
Vanadium	[V]	120	110	11	140	110	94	81	140
Strontium	[Sr]	15	20	5	6	14	15	5	28
Cobalt	[Co]	22	21	7	27	26	17	24	25
Molybdenum	[Mo]	< 2	< 2	2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	13	12	15	16	14	9	11	15
Scandium	[Sc]	5	3	6	6	5	6	4	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	40	< 10	40	40	20	20	50
Arsenic	[As]	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	5	< 5	< 5	< 5	< 5	< 5	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-23-1990

SIGNED : Bernice Owen

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T.S.L. REPORT No. : S - 9460 - S
T.S.L. File No. :
T.S.L. Invoice No. : 14690

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT R-2153 ALL RESULTS PPM

ELEMENT		906JR 026	906JR 027	906JR 028	906JR 029	906JR 030	906JR 031	906JR 032	906JR 033
Aluminum	[Al]	30000	25000	23000	34000	36000	33000	40000	25000
Iron	[Fe]	61000	66000	58000	39000	33000	25000	31000	32000
Calcium	[Ca]	21000	13000	12000	17000	33000	32000	30000	14000
Magnesium	[Mg]	8100	5700	6900	9300	6700	4900	5500	6500
Sodium	[Na]	130	270	270	270	80	80	100	460
Potassium	[K]	60	140	70	130	30	160	260	370
Titanium	[Ti]	6200	6200	4600	2650	2300	1500	2100	1600
Manganese	[Mn]	920	850	600	510	410	220	270	400
Phosphorus	[P]	1200	1200	600	390	310	340	420	410
Barium	[Ba]	32	28	13	26	16	11	22	25
Chromium	[Cr]	22	10	21	130	46	59	60	110
Zirconium	[Zr]	54	44	37	18	19	18	26	29
Copper	[Cu]	41	11	27	40	55	74	55	64
Nickel	[Ni]	9	5	66	100	28	23	37	94
Lead	[Pb]	1	< 1	2	< 1	1	15	27	< 1
Zinc	[Zn]	90	97	139	53	57	77	76	60
Vanadium	[V]	160	280	170	98	95	100	150	75
Strontium	[Sr]	34	14	5	6	5	7	8	11
Cobalt	[Co]	23	21	23	25	15	6	1	24
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	4	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	2	< 1	< 1	< 1	1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	25	25	20	12	10	7	8	10
Scandium	[Sc]	14	6	9	5	5	6	10	7
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	160	70	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	60	40	40	30	30	10	30	30
Arsenic	[As]	< 5	< 5	25	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	20	20	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	5	5	5	< 5	5	5
Holmium	[Ho]	20	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-25-1990

SIGNED : Bernie Dunn

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T.S.L. REPORT No. : S - 9462 - A
T.S.L. File No. :
T.S.L. Invoice No. : 14879

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT R-2163 ALL RESULTS PPM

ELEMENT		90SIR 034	90SIR 035	90SIR 036	90SIR 037	90SIR 038	90SIR 039	90SIR 040	90SIR 041
Aluminum	[Al]	13000	9900	12000	19000	5100	22000	15000	12000
Iron	[Fe]	35000	29000	28000	31000	14000	39000	29000	32000
Calcium	[Ca]	3000	28000	25000	1600	900	1200	11000	24000
Magnesium	[Mg]	4900	6200	6000	5500	2600	5900	6100	6100
Sodium	[Na]	120	180	140	140	450	140	240	140
Potassium	[K]	770	600	670	1560	250	1700	940	870
Titanium	[Ti]	2800	150	22	21	300	47	22	23
Manganese	[Mn]	270	910	660	170	180	260	350	660
Phosphorus	[P]	440	330	210	310	52	370	310	290
Barium	[Ba]	66	170	130	490	28	480	120	160
Chromium	[Cr]	71	79	67	52	120	67	120	74
Zirconium	[Zr]	19	5	5	6	6	6	4	5
Copper	[Cu]	58	11	10	51	5	59	20	22
Nickel	[Ni]	25	47	46	67	8	110	91	73
Lead	[Pb]	26	8	8	13	5	11	9	6
Zinc	[Zn]	140	51	41	77	32	110	59	56
Vanadium	[V]	160	30	25	46	4	49	37	31
Strontium	[Sr]	11	130	88	15	4	19	88	220
Cobalt	[Co]	4	8	7	7	1	16	11	9
Molybdenum	[Mo]	10	< 2	< 2	< 2	6	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	5	< 5
Yttrium	[Y]	8	11	7	4	8	7	7	8
Scandium	[Sc]	10	6	5	9	3	9	7	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	30	< 10	10
Thorium	[Th]	20	20	40	30	< 10	30	< 10	10
Arsenic	[As]	20	5	< 5	5	10	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	15	20	25	5	30	20	20
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-23-1990

SIGNED :

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T.S.L. REPORT No. : S - 9462 - T
T.S.L. File No. :
T.S.L. Invoice No. : 14659

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT R-2133 ALL RESULTS PPM

ELEMENT		90SIR 041	90SPR 024	90SPR 025	90SPR 026	90SPR 027	90SPR 028	90SPR 029	90SPR 030
Aluminum	[Al]	13000	26000	24000	22000	17000	23000	39000	24000
Iron	[Fe]	45000	25000	31000	40000	25000	33000	51000	46000
Calcium	[Ca]	95000	14000	67000	14000	130000	64000	25000	19000
Magnesium	[Mg]	10000	8300	6300	6500	6900	8200	10000	7100
Sodium	[Na]	320	2300	190	150	90	310	190	110
Potassium	[K]	1100	1200	410	1500	480	170	160	950
Titanium	[Ti]	19	2100	190	34	1200	2000	2100	120
Manganese	[Mn]	1400	1500	750	370	700	620	870	610
Phosphorus	[P]	2400	240	96	430	80	250	370	740
Barium	[Ba]	240	79	40	150	240	30	90	93
Chromium	[Cr]	22	64	170	65	120	120	110	61
Zirconium	[Zr]	11	20	9	9	16	21	26	9
Copper	[Cu]	12	3	32	95	34	42	37	44
Nickel	[Ni]	25	33	56	57	42	64	78	74
Lead	[Pb]	< 1	7	< 1	7	< 1	< 1	< 1	9
Zinc	[Zn]	37	110	36	94	32	49	51	100
Vanadium	[V]	36	61	110	60	110	94	140	66
Strontium	[Sr]	560	54	120	50	69	29	31	61
Cobalt	[Co]	4	18	21	12	15	20	27	11
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	20	< 5	5	< 5	< 5	10	5	< 5
Yttrium	[Y]	15	9	10	7	13	10	16	12
Scandium	[Sc]	7	6	12	6	12	7	17	8
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	60	20	10	20	< 10	10	50	50
Arsenic	[As]	< 5	< 5	< 5	5	< 5	< 5	< 5	5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	10	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	20	10	20	20	15	5	25	25
Holmium	[Ho]	20	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-25-1990

SIGNED : Bernice Quinn

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T.S.L. REPORT No. : S - 9461 - B
T.S.L. File No. :
T.S.L. Invoice No. : 14890

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT R-2103 ALL RESULTS PPM

ELEMENT		90SPR 031	90SPR 032	90SPR 033	90SPR 034	90SPR 035	90SPR 036	90SPR 037	90SPR 038
Aluminum	[Al]	33000	29000	16000	27000	9800	18000	28000	29000
Iron	[Fe]	33000	36000	38000	37000	9900	21000	42000	47000
Calcium	[Ca]	27000	22000	4900	50000	120000	34000	15000	12000
Magnesium	[Mg]	8100	7300	6400	8300	2500	5000	7900	8200
Sodium	[Na]	90	1500	310	440	20	80	580	780
Potassium	[K]	90	660	950	370	40	30	830	660
Titanium	[Ti]	2100	3300	2900	2210	190	1700	3200	4200
Manganese	[Mn]	510	540	310	710	620	340	350	650
Phosphorus	[P]	320	460	500	250	< 2	140	340	270
Barium	[Ba]	16	34	31	20	7	10	34	36
Chromium	[Cr]	110	47	45	120	19	68	16	21
Zirconium	[Zr]	18	30	25	21	3	16	34	32
Copper	[Cu]	27	52	39	45	8	21	51	45
Nickel	[Ni]	53	57	28	100	16	18	26	27
Lead	[Pb]	< 1	2	19	< 1	< 1	< 1	< 1	< 1
Zinc	[Zn]	53	55	91	49	10	30	48	67
Vanadium	[V]	96	130	130	95	15	75	130	160
Strontium	[Sr]	9	35	6	20	52	9	19	17
Cobalt	[Co]	19	22	5	25	5	13	21	24
Molybdenum	[Mo]	< 2	< 2	6	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	10	14	12	11	3	8	17	18
Scandium	[Sc]	6	3	13	5	2	6	7	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	40	30	20	< 10	10	40	50
Arsenic	[As]	< 5	< 5	20	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	5	< 5	< 5	< 5	< 5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	20	< 10	< 10	< 10

DATE : AUG-23-1990

SIGNED : Bernie Denn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
900 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9463 - S
T.S.L. File No. :
T.S.L. Invoice No. : 14850

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT R-2153 ALL RESULTS PPM

ELEMENT		90SPR 039	90SPR 040	90SPR 041	90SPR 042	90SPR 043	90SPR 044	90SPR 045	90SPR 046
Aluminum	[Al]	27000	35000	24000	26000	38000	34000	35000	30000
Iron	[Fe]	44000	38000	43000	80000	46000	34000	33000	37000
Calcium	[Ca]	14000	29000	13000	9200	20000	48000	27000	12000
Magnesium	[Mg]	8600	8100	7500	7500	9400	8500	9100	8500
Sodium	[Na]	310	180	270	130	120	50	360	180
Potassium	[K]	90	50	60	810	70	60	220	560
Titanium	[Ti]	4400	2600	3400	160	2500	1500	1300	2800
Manganese	[Mn]	610	540	550	1000	660	470	370	250
Phosphorus	[P]	290	440	450	3500	510	350	260	510
Barium	[Ba]	23	12	21	160	17	15	23	54
Chromium	[Cr]	43	77	42	44	97	120	150	82
Zirconium	[Zr]	34	30	29	17	16	13	12	22
Copper	[Cu]	44	63	42	33	57	53	57	39
Nickel	[Ni]	30	27	40	62	70	77	110	23
Lead	[Pb]	< 1	< 1	< 1	10	1	3	4	22
Zinc	[Zn]	69	51	72	110	61	57	51	97
Vanadium	[V]	150	120	110	87	120	91	57	220
Strontium	[Sr]	7	9	9	200	12	11	18	9
Cobalt	[Co]	26	21	27	9	26	21	24	2
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	10
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	10	< 5	15	5
Yttrium	[Y]	15	13	12	31	14	10	9	9
Scandium	[Sc]	6	9	6	12	5	6	4	12
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	50	40	40	60	50	30	30	10
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	20
Bismuth	[Bi]	< 5	< 5	< 5	15	10	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	10	< 5	40	10	10	10	10
Holmium	[Ho]	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10

DATE : AUG-25-1990

SIGNED : Bernie Dunn

T B L LABORATORIES
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ATTN: J. FOSTER

T.B.L. REPORT No. : S - 9460 - 10
T.B.L. File No. :
T.B.L. Invoice No. : 14890

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT A-2150 ALL RESULTS PPM

ELEMENT		90SPR 047	90SPR 048	90SPR 049	90SPR 050	90SPR 051	90SPR 052	90SPR 053	90SPR 054
Aluminum	[Al]	6800	4900	19000	26000	7700	9000	6900	21000
Iron	[Fe]	20000	22000	53000	60000	17000	19000	23000	29000
Calcium	[Ca]	7600	43000	11000	20000	5900	1700	220	13000
Magnesium	[Mg]	3700	5900	7000	6800	4200	4100	2200	6100
Sodium	[Na]	150	140	600	280	510	430	400	710
Potassium	[K]	460	770	550	240	340	600	580	370
Titanium	[Ti]	160	22	5200	4700	900	750	54	3100
Manganese	[Mn]	270	970	790	740	350	490	220	340
Phosphorus	[P]	270	230	710	710	110	88	62	250
Barium	[Ba]	200	100	47	24	18	44	160	32
Chromium	[Cr]	110	65	17	17	73	77	48	26
Zirconium	[Zr]	5	4	32	18	11	8	3	12
Copper	[Cu]	17	11	37	9	2	3	2	90
Nickel	[Ni]	36	38	17	4	3	3	1	29
Lead	[Pb]	10	6	< 1	3	4	4	37	3
Zinc	[Zn]	29	41	70	73	46	28	36	35
Vanadium	[V]	24	14	240	300	20	16	5	110
Strontium	[Sr]	52	190	21	11	7	3	2	24
Cobalt	[Co]	6	6	19	22	2	< 1	< 1	14
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	4	< 2	4	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	5	8	22	17	12	28	7	9
Scandium	[Sc]	3	5	4	7	3	4	2	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	40	40	40	< 10	10	< 10	40
Arsenic	[As]	10	< 5	< 5	< 5	5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	5	5	10	< 5	< 5	5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-25-1990

SIGNED : Bernice Quan

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ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9461 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14890

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT R-2153 ALL RESULTS PPM

ELEMENT		90SLR 001	90SLR 002	90SLR 003	90SLR 004	90SLR 005	90SLR 006	90SLR 007	90SLR 008
Aluminum	[Al]	17000	10000	3400	2200	2300	22000	29000	18000
Iron	[Fe]	29000	51000	63000	34000	34000	61000	44000	64000
Calcium	[Ca]	36000	15000	80000	37000	30000	15000	25000	49000
Magnesium	[Mg]	5400	6000	9300	6900	6000	7900	8000	4400
Sodium	[Na]	550	450	160	190	110	320	270	70
Potassium	[K]	930	1000	1500	1300	1200	290	160	50
Titanium	[Ti]	1700	92	6	6	4	2600	3000	830
Manganese	[Mn]	480	1100	1900	1100	910	970	590	130
Phosphorus	[P]	450	1100	360	170	160	710	510	110
Barium	[Ba]	47	140	1100	260	150	45	35	8
Chromium	[Cr]	40	34	40	51	44	36	47	66
Zirconium	[Zr]	9	11	14	9	6	33	32	19
Copper	[Cu]	70	5	11	9	6	19	22	38
Nickel	[Ni]	24	4	17	9	8	11	27	28
Lead	[Pb]	9	8	2	1	< 1	< 1	1	6
Zinc	[Zn]	44	100	110	61	73	110	63	340
Vanadium	[V]	84	14	98	34	34	180	150	160
Strontium	[Sr]	71	38	200	65	46	17	14	13
Cobalt	[Co]	13	8	15	7	7	17	21	7
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	8
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	15	5	5	< 5	10	< 5
Yttrium	[Y]	8	22	25	13	10	31	18	6
Scandium	[Sc]	2	9	18	10	7	12	4	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	30	70	20	40	60	50	30
Arsenic	[As]	< 5	< 5	< 5	5	< 5	< 5	< 5	15
Bismuth	[Bi]	< 5	5	< 5	< 5	< 5	10	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	10	< 5	< 5	< 5	10	10	5
Holmium	[Ho]	< 10	< 10	20	< 10	< 10	< 10	< 10	< 10

DATE : AUG-25-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
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Aqua-Regia Digestion

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808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9463 - IC
T.S.L. File No. :
T.S.L. Invoice No. : 14650

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT S-2150 ALL RESULTS PPM

ELEMENT		90SLR 009
Aluminum	[Al]	2000
Iron	[Fe]	23000
Calcium	[Ca]	23000
Magnesium	[Mg]	5600
Sodium	[Na]	210
Potassium	[K]	730
Titanium	[Ti]	56
Manganese	[Mn]	410
Phosphorus	[P]	12
Barium	[Ba]	21
Chromium	[Cr]	72
Zirconium	[Zr]	5
Copper	[Cu]	2
Nickel	[Ni]	4
Lead	[Pb]	< 1
Zinc	[Zn]	72
Vanadium	[V]	6
Strontium	[Sr]	38
Cobalt	[Co]	1
Molybdenum	[Mo]	< 2
Silver	[Ag]	< 1
Cadmium	[Cd]	< 1
Beryllium	[Be]	< 1
Boron	[B]	< 10
Antimony	[Sb]	5
Yttrium	[Y]	6
Scandium	[Sc]	3
Tungsten	[W]	< 10
Niobium	[Nb]	< 10
Thorium	[Th]	20
Arsenic	[As]	< 5
Bismuth	[Bi]	< 5
Tin	[Sn]	< 10
Lithium	[Li]	< 5
Holmium	[Ho]	< 10

DATE : AUG-25-1990

SIGNED : Bernie Ouma

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX 306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9532

INVOICE #: 14691
P.O.: R-2180

SAMPLE(S) OF Rock

D. Collins
Project: 90-BC-019

REMARKS: Hi-Tec Resource

	Au ppb
90SJR043	<5
90SJR044	<5
90SPR055	<5
90SPR056	<5

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INVOICE TO: Prime - Vancouver

Aug 17/90

SIGNED Bernie Ann

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808 West Hastings St.
Vancouver B.C. V6C 2X8
ATTN: I. FOSTER

T.S.L. REPORT No. : S - 9331 - 1
T.S.L. File No. : S:7634
T.S.L. Invoice No. : 14943

PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT LTD.A-2180 ALL RESULTS PPM

ELEMENT		905JR043	905JR044	905PR055	905PR056
Aluminum	[Al]	10000	7200	16000	11000
Iron	[Fe]	28000	14000	31000	30000
Calcium	[Ca]	26000	19000	9600	31000
Magnesium	[Mg]	6500	3400	5000	6300
Sodium	[Na]	100	90	70	100
Potassium	[K]	540	450	660	490
Titanium	[Ti]	14	8	17	15
Manganese	[Mn]	710	370	490	840
Phosphorus	[P]	140	170	420	220
Barium	[Ba]	59	85	250	94
Chromium	[Cr]	59	41	58	38
Zirconium	[Zr]	4	3	6	5
Copper	[Cu]	14	6	29	11
Nickel	[Ni]	31	34	73	43
Lead	[Pb]	3	7	8	7
Zinc	[Zn]	49	31	83	45
Vanadium	[V]	21	12	35	21
Strontium	[Sr]	430	60	79	140
Cobalt	[Co]	8	6	11	7
Molybdenum	[Mo]	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10
Antimony	[Sb]	5	< 5	< 5	5
Yttrium	[Y]	6	5	7	10
Scandium	[Sc]	4	3	7	5
Tungsten	[W]	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10
Thorium	[Th]	20	< 10	30	30
Arsenic	[As]	10	10	5	< 5
Bismuth	[Bi]	20	< 5	10	15
Tin	[Sn]	< 10	< 10	< 10	< 10
Lithium	[Li]	25	15	30	25
Holmium	[Ho]	< 10	< 10	< 10	< 10

DATE : AUG-27-1990

SIGNED : Bernie Dunn

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SJR045	<5
90SJR046	<5
90SJR047	<5
90SJR048	5
90SJR049	<5
90SJR050	10
90SJR051	5
90SJR052	<5
90SJR053	<5
90SJR054	<5
90SJR055	<5
90SJR056	<5
90SJR057	<5
90SJR058	<5
90SJR059	<5
90SJR060	<5
90SJR061	<5
90SJR062	<5
90SJR063	15
90SJR064	<5

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Aug 30/90

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SAMPLE(S) FROM Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SJR065	40
90SJR066	<5
90SJR067	<5
90SJR068	15
90SJR069	5
90SJR070	<5
90SJR071	<5
90SJR072	<5
90SJR073	<5
90SJR074	<5
90SJR075	15
90SJR076	<5
90SJR077	<5
90SJR078	<5
90SJR079	<5
90SJR080	<5
90SJR081	<5
90SJR082	5
90SJR083	<5
90SJR084	<5

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10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SJR085	<5
90SJR086	5
90SJR087	<5
90SJR088	<5
90SJR089	<5
90SJR090	5
90SJR091	5
90SJR092	5
90SJR093	25
90SJR094	<5
90SJR095	5
90SJR096	<5
90SJR097	<5
90SJR098	<5
90SJR099	<5
90SPR057	5
90SPR058	5
90SPR059	<5
90SPR060	5
90SPR061	5

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Aug 30/90

SIGNED Bernie Ouzo

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Vancouver, B.C.
V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SPR062	<5
90SPR063	<5
90SPR064	<5
90SPR065	<5
90SPR066	<5
90SPR067	<5
90SPR068	<5
90SPR069	5
90SPR070	<5
90SPR071	<5
90SPR072	<5
90SPR073	<5
90SPR074	<5
90SPR075	<5
90SPR076	<5
90SPR077	<5
90SPR078	<5
90SPR079	<5
90SPR080	<5
90SPR081	<5

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Aug 30/90

SIGNED Bernice Quinn

CTA

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF: Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SPR082	<5
90SPR083	<5
90SPR084	<5
90SPR085	<5
90SPR086	<5
90SPR087	5
90SPR088	<5
90SPR089	<5
90SPR090	<5
90SPR091	<5
90SPR092	<5
90SPR093	<5
90SPR094	<5
90SPR095	<5
90SPR096	5
90SPR097	5
90SPR098	<5
90SPR099	<5
90SPR100	5
90SPR101	<5

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DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SPR102	<5
90SPR103	<5
90SPR104	<5
90SPR105	<5
90SCR001	<5
90SBR001	<5
90SJR100	<5
90SJR101	<5
90SJR102	Not Rec'd
90SJR103	<5
90SJR104	<5
90SJR105	<5
90SJR106	<5
90SJR107	<5
90SJR108	<5
90SJR109	<5
90SDR014	10
90SDR015	70
90SDR016	<5
90SDR017	<5

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V6C 2X6

REPORT No. S9573

INVOICE #: 15082
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Au ppb
90SDR018	<5
90SDR019	<5
90SDR020	<5
90SDR021	<5
90SDR022	80
90SDR023	<5
90SDR024	<5

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF: Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Hg ppb
90SJR045	50
90SJR046	20
90SJR047	30
90SJR048	20
90SJR049	20
90SJR050	30
90SJR051	80
90SJR052	20
90SJR053	70
90SJR054	10
90SJR055	<10
90SJR056	<10
90SJR057	<10
90SJR058	<10
90SJR059	10
90SJR060	40
90SJR061	60
90SJR062	40
90SJR063	2400
90SJR064	60

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF: Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Hg ppb
90SJR065	480
90SJR066	400
90SJR067	180
90SJR068	230
90SJR069	140
90SJR070	10
90SJR071	<10
90SJR072	<10
90SJR073	20
90SJR074	30
90SJR075	280
90SJR076	10
90SJR077	10
90SJR078	180
90SJR079	20
90SJR080	10
90SJR081	<10
90SJR082	20
90SJR083	<10
90SJR084	50

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd
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Vancouver, B.C.
V6C 2X6

REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF: Rock

P. Daigle
Project: 90-BC-C19

REMARKS: Hi-Tec Resources

	Hg ppb
90SJR085	10
90SJR086	160
90SJR087	30
90SJR088	10
90SJR089	10
90SJR090	80
90SJR091	60
90SJR092	70
90SJR093	60
90SJR094	40
90SJR095	530
90SJR096	90
90SJR097	<10
90SJR098	<10
90SJR099	40
90SPR057	50
90SPR058	30
90SPR059	40
90SPR060	50
90SPR061	60

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For enquiries on this report, please contact Customer Service Department.

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10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
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REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Hg ppb
90SPR062	30
90SPR063	<10
90SPR064	50
90SPR065	50
90SPR066	10
90SPR067	20
90SPR068	20
90SPR069	150
90SPR070	80
90SPR071	110
90SPR072	40
90SPR073	40
90SPR074	<10
90SPR075	10
90SPR076	10
90SPR077	<10
90SPR078	60
90SPR079	10
90SPR080	100
90SPR081	40

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REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Hg ppb
90SPR082	20
90SPR083	30
90SPR084	20
90SPR085	<10
90SPR086	10
90SPR087	140
90SPR088	30
90SPR089	40
90SPR090	20
90SPR091	10
90SPR092	20
90SPR093	10
90SPR094	40
90SPR095	10
90SPR096	420
90SPR097	170
90SPR098	30
90SPR099	30
90SPR100	110
90SPR101	60

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10th Floor, Box 10-808 West Hastings St.
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V6C 2X6

REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Hg ppb
90SPR102	70
90SPR103	70
90SPR104	20
90SPR105	10
90SCR001	10
90SBR001	<10
90SJR100	<10
90SJR101	<10
90SJR102	Not Rec'd
90SJR103	<10
90SJR104	10
90SJR105	<10
90SJR106	<10
90SJR107	<10
90SJR108	<10
90SJR109	<10
90SDR014	20
90SDR015	1100
90SDR016	20
90SDR017	30

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SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S1563

INVOICE #: 16263
P.O.: R-2202

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-019

REMARKS: Hi-Tec Resources

	Hg ppb
90SDR018	10
90SDR019	20
90SDR020	4000
90SDR021	190
90SDR022	150
90SDR023	40
90SDR024	20

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T S L LABORATORIES
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TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - I
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SJR045	90SJR046	90SJR047	90SJR048	90SJR049	90SJR050	90SJR051	90SJR052
Aluminum	[Al]	22000	8700	8900	18000	21000	24000	32000	17000
Iron	[Fe]	45000	21000	37000	31000	40000	35000	53000	24000
Calcium	[Ca]	12000	26000	1800	14000	7500	10000	15000	2800
Magnesium	[Mg]	6100	5800	3200	6500	6100	6300	7000	5200
Sodium	[Na]	260	210	110	630	190	140	160	160
Potassium	[K]	1000	1300	610	530	1200	910	980	1800
Titanium	[Ti]	23	14	10	85	22	24	27	10
Manganese	[Mn]	720	1100	1400	640	350	540	920	220
Phosphorus	[P]	360	290	250	770	2000	870	4700	290
Barium	[Ba]	280	170	140	320	110	200	250	230
Chromium	[Cr]	68	64	120	32	75	71	50	60
Zirconium	[Zr]	5	4	3	4	5	5	8	4
Copper	[Cu]	18	14	19	29	32	26	28	42
Nickel	[Ni]	110	54	55	15	69	70	64	41
Lead	[Pb]	12	12	9	19	12	10	11	6
Zinc	[Zn]	80	46	63	34	83	80	82	90
Vanadium	[V]	43	24	18	85	51	45	70	44
Strontium	[Sr]	37	69	23	80	100	70	310	31
Cobalt	[Co]	11	9	5	8	8	7	7	5
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	11	9	6	9	15	13	32	4
Scandium	[Sc]	6	6	3	5	7	7	9	7
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	20	< 10	30	20	20	50	10
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	20	5	< 5	10	10	10	15	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	35	10	15	45	40	45	55	25
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10

DATE : AUG-29-1990

SIGNED : Dennis Pilipiak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

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Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SJR053	90SJR054	90SJR055	90SJR056	90SJR057	90SJR058	90SJR059	90SJR060
Aluminum	[Al]	21000	23000	19000	23000	28000	27000	43000	22000
Iron	[Fe]	33000	22000	20000	28000	16000	25000	10000	31000
Calcium	[Ca]	3000	28000	23000	33000	65000	81000	90000	6200
Magnesium	[Mg]	5600	7100	6600	7700	5700	7300	3800	5100
Sodium	[Na]	150	2100	1400	750	270	170	90	140
Potassium	[K]	1800	240	290	460	120	280	40	1700
Titanium	[Ti]	17	1300	1300	2000	1200	1600	760	44
Manganese	[Mn]	290	330	370	550	380	560	260	160
Phosphorus	[P]	310	230	140	130	74	74	< 2	380
Barium	[Ba]	350	42	28	130	27	30	9	190
Chromium	[Cr]	58	100	86	100	110	170	72	52
Zirconium	[Zr]	6	9	6	17	9	17	6	5
Copper	[Cu]	48	47	44	50	40	44	37	49
Nickel	[Ni]	78	91	88	70	48	71	33	62
Lead	[Pb]	10	3	4	3	4	2	5	12
Zinc	[Zn]	95	28	37	34	31	29	23	88
Vanadium	[V]	45	45	37	73	56	94	43	44
Strontium	[Sr]	24	36	26	22	27	49	24	19
Cobalt	[Co]	10	17	17	19	15	19	9	9
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	5	10	< 5	< 5	< 5	< 5
Yttrium	[Y]	5	6	5	8	6	8	5	5
Scandium	[Sc]	9	4	3	7	5	14	4	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	10	< 10	< 10	< 10	< 10	< 10	30
Arsenic	[As]	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	10	5	10	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	35	10	10	15	5	15	< 5	30
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN
Aqua-Regia Digestion

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10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9573 - 3
T.S.L. File No. :
T.S.L. Invoice No. : 15082

PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

ALL RESULTS PPM

ELEMENT		90SJR061	90SJR062	90SJR063	90SJR064	90SJR065	90SJR066	90SJR067	90SJR068
Aluminum	[Al]	17000	39000	15000	27000	20000	34000	25000	35000
Iron	[Fe]	28000	53000	49000	37000	45000	48000	43000	43000
Calcium	[Ca]	22000	25000	3900	14000	18000	14000	8300	28000
Magnesium	[Mg]	6400	9600	8100	8000	6100	8400	8300	8000
Sodium	[Na]	110	220	130	270	220	1800	980	180
Potassium	[K]	1300	220	670	150	150	700	370	50
Titanium	[Ti]	36	2200	1700	2000	2500	3600	2200	2700
Manganese	[Mn]	550	890	800	470	480	510	440	550
Phosphorus	[P]	790	340	280	270	330	320	200	250
Barium	[Ba]	120	90	10	36	18	34	34	13
Chromium	[Cr]	64	370	110	110	120	110	130	160
Zirconium	[Zr]	6	27	17	22	30	38	24	29
Copper	[Cu]	38	33	42	50	22	46	47	50
Nickel	[Ni]	67	190	37	45	22	33	47	43
Lead	[Pb]	6	< 1	190	10	28	4	3	8
Zinc	[Zn]	71	55	93	47	48	67	48	58
Vanadium	[V]	42	160	150	100	110	180	110	140
Strontium	[Sr]	84	40	5	9	6	29	15	6
Cobalt	[Co]	9	38	25	20	19	23	27	25
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	2	< 1	< 1	1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	15	10	< 5	< 5	5	10	< 5
Yttrium	[Y]	14	16	8	10	12	17	11	15
Scandium	[Sc]	7	18	14	9	12	22	12	14
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	< 10	10	30	10	30	30	20
Arsenic	[As]	< 5	< 5	250	< 5	120	50	15	60
Bismuth	[Bi]	10	35	10	15	10	25	15	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	20	45	15	10	5	5	10	5
Holmium	[Ho]	< 10	< 10-	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - 4
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SJR069	90SJR070	90SJR071	90SJR072	90SJR073	90SJR074	90SJR075	90SJR076
Aluminum	[Al]	25000	9400	20000	24000	20000	22000	11000	20000
Iron	[Fe]	37000	17000	36000	36000	41000	57000	35000	54000
Calcium	[Ca]	12000	8600	13000	4900	9900	9500	2000	15000
Magnesium	[Mg]	8100	4600	6400	7400	6400	7000	3500	5900
Sodium	[Na]	1100	730	430	500	330	930	120	480
Potassium	[K]	400	470	130	510	520	380	2100	230
Titanium	[Ti]	2300	1100	1100	1300	1400	3300	2200	5500
Manganese	[Mn]	550	270	440	300	440	310	130	520
Phosphorus	[P]	240	150	360	190	370	460	460	660
Barium	[Ba]	30	32	11	41	16	17	38	27
Chromium	[Cr]	140	120	37	42	28	220	28	14
Zirconium	[Zr]	23	15	8	8	9	8	17	42
Copper	[Cu]	53	5	41	1	12	250	36	16
Nickel	[Ni]	45	9	15	6	7	370	18	10
Lead	[Pb]	6	5	5	4	< 1	3	13	5
Zinc	[Zn]	53	29	42	48	61	54	53	80
Vanadium	[V]	110	48	95	33	150	330	54	260
Strontium	[Sr]	14	6	4	5	6	15	6	17
Cobalt	[Co]	25	4	20	4	17	62	2	19
Molybdenum	[Mo]	< 2	2	< 2	< 2	< 2	< 2	8	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	5	5	< 5	< 5	< 5	< 5	5	< 5
Yttrium	[Y]	12	11	8	22	10	11	6	29
Scandium	[Sc]	12	4	6	5	3	2	6	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10
Thorium	[Th]	20	< 10	40	40	40	< 10	30	40
Arsenic	[As]	50	< 5	15	< 5	< 5	< 5	35	< 5
Bismuth	[Bi]	15	< 5	10	15	< 5	20	< 5	30
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	5	10	15	5	10	5	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Dennis Pilipiak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
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ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9577 - 5
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SJR077	90SJR078	90SJR079	90SJR080	90SJR081	90SJR082	90SJR083	90SJR084
Aluminum	[Al]	23000	23000	4400	25000	15000	14000	25000	23000
Iron	[Fe]	42000	33000	11000	36000	28000	25000	53000	39000
Calcium	[Ca]	17000	11000	71000	32000	48000	51000	20000	54000
Magnesium	[Mg]	5700	5100	3200	7800	6100	3800	5700	5900
Sodium	[Na]	260	140	320	450	250	80	220	150
Potassium	[K]	100	1100	160	500	120	1000	90	50
Titanium	[Ti]	4600	2700	160	61	38	8	5000	2300
Manganese	[Mn]	450	310	680	620	860	840	860	390
Phosphorus	[P]	460	300	250	1000	1500	450	1400	230
Barium	[Ba]	18	42	27	200	37	73	22	12
Chromium	[Cr]	27	39	56	110	17	56	17	150
Zirconium	[Zr]	22	35	5	9	6	2	25	26
Copper	[Cu]	14	43	19	9	16	19	10	36
Nickel	[Ni]	6	22	19	41	7	10	5	160
Lead	[Pb]	5	19	3	4	3	7	4	4
Zinc	[Zn]	61	110	230	50	44	62	79	81
Vanadium	[V]	160	85	100	140	150	32	200	120
Strontium	[Sr]	8	17	460	130	220	98	18	20
Cobalt	[Co]	13	5	3	17	9	5	12	18
Molybdenum	[Mo]	< 2	2	< 2	< 2	< 2	< 2	< 2	4
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	5	< 5	< 5	< 5	< 5
Yttrium	[Y]	19	13	10	14	16	9	26	11
Scandium	[Sc]	2	10	5	13	8	2	4	8
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	20	< 10	30	30	10	30	10
Arsenic	[As]	< 5	15	5	< 5	< 5	< 5	< 5	15
Bismuth	[Bi]	10	5	< 5	10	< 5	< 5	15	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	10	5	45	20	15	5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiuk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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T.S.L. REPORT No. : S - 9573 - 6
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SJR085	90SJR086	90SJR087	90SJR088	90SJR089	90SJR090	90SJR091	90SJR092
Aluminum	[Al]	23000	24000	22000	4300	18000	12000	13000	12000
Iron	[Fe]	53000	36000	49000	25000	53000	32000	30000	31000
Calcium	[Ca]	12000	23000	21000	5900	11000	3200	5100	2600
Magnesium	[Mg]	5900	4800	5200	3200	5900	4600	5700	3700
Sodium	[Na]	200	60	150	270	170	150	150	90
Potassium	[K]	100	70	50	1100	120	990	600	2100
Titanium	[Ti]	4300	2400	4400	220	4200	2300	1900	1900
Manganese	[Mn]	810	280	540	550	580	250	450	150
Phosphorus	[P]	1400	340	600	76	630	490	390	410
Barium	[Ba]	31	17	34	64	16	24	31	38
Chromium	[Cr]	14	32	16	64	12	47	56	26
Zirconium	[Zr]	20	36	21	5	20	18	18	12
Copper	[Cu]	10	93	15	5	14	65	42	50
Nickel	[Ni]	6	43	9	5	8	36	30	16
Lead	[Pb]	4	29	6	4	4	19	15	13
Zinc	[Zn]	83	510	90	66	78	210	110	150
Vanadium	[V]	220	300	230	23	240	130	120	54
Strontium	[Sr]	17	7	9	8	9	4	5	5
Cobalt	[Co]	13	5	15	1	17	3	8	4
Molybdenum	[Mo]	< 2	28	< 2	2	< 2	16	2	2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	8	< 1	< 1	< 1	3	< 1	2
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	5	< 5	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	25	12	23	7	21	8	9	6
Scandium	[Sc]	5	12	4	3	5	8	9	7
Tungsten	[W]	< 10	10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	30	40	< 10	30	30	20	30
Arsenic	[As]	< 5	35	< 5	< 5	< 5	15	10	15
Bismuth	[Bi]	15	10	15	< 5	15	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	< 5	< 5	< 5	5	10	10	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiak

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Aqua-Regia Digestion

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T.S.L. REPORT No. : S - 9573 - 7
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SJR093	90SJR094	90SJR095	90SJR096	90SJR097	90SJR098	90SJR099	90SPR057
Aluminum	[Al]	28000	21000	14000	6600	5100	41000	33000	25000
Iron	[Fe]	37000	23000	31000	12000	13000	35000	35000	36000
Calcium	[Ca]	29000	33000	11000	3100	2800	16000	20000	3900
Magnesium	[Mg]	8400	8200	5100	3000	1800	9700	7600	6400
Sodium	[Na]	1000	180	200	590	230	600	1900	260
Potassium	[K]	400	270	650	450	1700	280	420	2200
Titanium	[Ti]	2800	1800	1700	1100	990	810	2800	96
Manganese	[Mn]	650	320	220	170	160	630	500	350
Phosphorus	[P]	340	220	430	130	210	230	400	460
Barium	[Ba]	66	29	23	27	86	27	88	360
Chromium	[Cr]	88	78	47	91	69	190	52	67
Zirconium	[Zr]	24	12	19	15	21	5	20	8
Copper	[Cu]	43	26	49	9	12	12	47	51
Nickel	[Ni]	60	32	31	5	8	190	64	80
Lead	[Pb]	3	3	11	9	13	1	5	14
Zinc	[Zn]	54	29	130	32	70	38	50	96
Vanadium	[V]	130	73	100	19	18	40	97	52
Strontium	[Sr]	24	22	8	6	6	19	35	31
Cobalt	[Co]	19	9	7	2	2	26	19	12
Molybdenum	[Mo]	< 2	< 2	6	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	10	< 5	< 5	< 5	< 5	10	< 5	< 5
Yttrium	[Y]	13	6	9	5	7	4	11	7
Scandium	[Sc]	12	2	8	4	3	2	2	10
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	20	20	< 10	< 10	< 10	30	30
Arsenic	[As]	< 5	< 5	5	< 5	10	< 5	< 5	< 5
Bismuth	[Bi]	15	10	5	< 5	< 5	20	15	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	20	15	10	< 5	< 5	35	15	30
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pelissier

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
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ATTN: J.FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - B
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT		90SPR058	90SPR059	90SPR060	90SPR061	90SPR062	90SPR063	90SPR064	90SPR065
Aluminum	[Al]	23000	26000	13000	22000	29000	24000	19000	44000
Iron	[Fe]	37000	44000	49000	34000	26000	29000	38000	47000
Calcium	[Ca]	3600	9500	87000	7300	36000	45000	32000	33000
Magnesium	[Mg]	6000	6800	8000	5600	7300	7400	6600	9200
Sodium	[Na]	210	160	80	160	180	310	160	70
Potassium	[K]	1600	1500	810	2000	260	360	1500	430
Titanium	[Ti]	47	23	19	18	1200	2200	78	520
Manganese	[Mn]	220	1100	4500	510	680	500	850	780
Phosphorus	[P]	460	380	1000	520	170	160	310	280
Barium	[Ba]	330	420	200	420	36	51	150	100
Chromium	[Cr]	58	81	27	48	110	180	53	340
Zirconium	[Zr]	6	8	5	5	8	14	6	16
Copper	[Cu]	64	52	14	47	49	45	38	35
Nickel	[Ni]	110	100	24	45	59	100	67	190
Lead	[Pb]	11	7	6	12	5	2	7	< 1
Zinc	[Zn]	100	100	32	92	46	43	74	77
Vanadium	[V]	54	63	33	50	59	83	42	140
Strontium	[Sr]	30	81	420	44	30	25	320	65
Cobalt	[Co]	13	13	4	8	16	21	8	33
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	10	5	< 5	5	< 5	5
Yttrium	[Y]	6	7	5	8	7	9	8	12
Scandium	[Sc]	9	11	4	7	5	5	7	18
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	20	60	30	20	< 10	20	< 10
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	15	< 5	5	10	5	10	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	45	50	30	35	10	10	25	50
Holmium	[Ho]	< 10	10	20	< 10	< 10	< 10	10	20

DATE : AUG-29-1990

SIGNED : Denis Pelyniak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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Aqua-Regia Digestion

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T.S.L. REPORT No. : S - 9573 - 9
T.S.L. File No. :
T.S.L. Invoice No. : 15062

ALL RESULTS PPM

ELEMENT		90SPR066	90SPR067	90SPR068	90SPR069	90SPR070	90SPR071	90SPR072	90SPR073
Aluminum	[Al]	32000	37000	25000	21000	11000	16000	20000	22000
Iron	[Fe]	43000	40000	23000	35000	30000	27000	39000	46000
Calcium	[Ca]	43000	45000	63000	5900	15000	16000	21000	14000
Magnesium	[Mg]	8500	8100	6600	5700	4800	6500	6200	6900
Sodium	[Na]	150	110	290	240	410	610	180	270
Potassium	[K]	540	1200	140	2000	1100	650	920	240
Titanium	[Ti]	2900	2300	1700	160	220	120	30	4500
Manganese	[Mn]	720	660	430	250	600	640	590	500
Phosphorus	[P]	240	220	70	510	790	840	580	970
Barium	[Ba]	50	49	18	250	1200	240	69	39
Chromium	[Cr]	240	220	120	44	55	27	40	53
Zirconium	[Zr]	29	24	13	8	5	4	4	25
Copper	[Cu]	44	46	50	45	4	28	24	11
Nickel	[Ni]	95	90	63	57	15	8	57	27
Lead	[Pb]	< 1	1	< 1	17	3	3	11	7
Zinc	[Zn]	49	50	32	92	35	27	45	56
Vanadium	[V]	170	140	64	55	70	77	55	130
Strontium	[Sr]	71	40	36	28	55	51	93	14
Cobalt	[Co]	23	23	18	11	10	9	9	18
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	5	< 5
Yttrium	[Y]	14	13	8	7	10	8	7	18
Scandium	[Sc]	21	16	5	7	6	5	5	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	20	20	30	40	30
Arsenic	[As]	< 5	< 5	< 5	10	< 5	< 5	< 5	< 5
Bismuth	[Bi]	20	15	< 5	5	5	5	10	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	35	25	5	35	10	35	35	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiak

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T.S.L. REPORT No. : S - 9573 - 10
T.S.L. File No. :
T.S.L. Invoice No. : 15062

ALL RESULTS PPM

ELEMENT		90SPR074	90SPR075	90SPR076	90SPR077	90SPR078	90SPR079	90SPR080	90SPR081
Aluminum	[Al]	29000	22000	27000	17000	30000	29000	19000	21000
Iron	[Fe]	18000	24000	28000	48000	30000	48000	48000	32000
Calcium	[Ca]	72000	73000	40000	15000	50000	54000	14000	18000
Magnesium	[Mg]	4700	6200	7700	5000	6700	7700	6300	4700
Sodium	[Na]	140	250	200	360	460	800	350	110
Potassium	[K]	60	280	130	500	180	220	170	450
Titanium	[Ti]	1700	2400	2000	2400	1900	5600	5000	2600
Manganese	[Mn]	400	510	360	320	400	950	520	300
Phosphorus	[P]	130	170	240	1000	350	470	410	260
Barium	[Ba]	10	25	12	36	58	36	21	22
Chromium	[Cr]	36	70	130	22	75	150	45	79
Zirconium	[Zr]	10	18	15	10	16	32	37	40
Copper	[Cu]	25	41	86	21	35	53	23	46
Nickel	[Ni]	24	41	89	7	48	54	14	24
Lead	[Pb]	3	1	8	4	5	3	6	16
Zinc	[Zn]	20	34	49	77	61	62	56	120
Vanadium	[V]	60	76	60	180	73	220	180	120
Strontium	[Sr]	27	34	21	9	25	31	9	6
Cobalt	[Co]	9	15	21	15	17	20	15	6
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	8	10	7	22	9	17	17	11
Scandium	[Sc]	4	6	4	3	4	24	6	10
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	10	20	< 10	20	10	20	40	< 10
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	< 5	< 5	5	10	< 5	15	15	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	5	5	5	25	5	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiuk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9573 - 11
T.S.L. File No. :
T.S.L. Invoice No. : 15082

PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

ALL RESULTS PPM

ELEMENT		90SPR082	90SPR083	90SPR084	90SPR085	90SPR086	90SPR087	90SPR088	90SPR089
Aluminum	[Al]	16000	20000	24000	25000	23000	17000	28000	5600
Iron	[Fe]	38000	46000	61000	61000	60000	39000	18000	24000
Calcium	[Ca]	9600	12000	10000	16000	9000	7300	15000	24000
Magnesium	[Mg]	5900	5100	6800	6300	6400	5700	4700	5300
Sodium	[Na]	500	350	320	490	290	310	1100	250
Potassium	[K]	160	130	40	170	110	330	250	1000
Titanium	[Ti]	4600	4000	5300	5500	4700	2800	700	140
Manganese	[Mn]	470	780	640	730	610	460	300	860
Phosphorus	[P]	440	1100	680	640	850	510	360	82
Barium	[Ba]	24	29	19	23	26	24	17	840
Chromium	[Cr]	37	45	22	19	11	43	12	55
Zirconium	[Zr]	24	14	31	30	18	30	8	5
Copper	[Cu]	25	2	11	13	4	43	9	5
Nickel	[Ni]	12	2	6	8	2	24	3	6
Lead	[Pb]	7	6	5	4	3	32	11	6
Zinc	[Zn]	63	100	92	80	90	100	46	110
Vanadium	[V]	140	130	220	240	190	140	23	12
Strontium	[Sr]	9	7	7	15	9	5	43	51
Cobalt	[Co]	12	14	17	17	15	4	2	3
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	10	2	2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	2	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	18	33	26	25	29	13	16	12
Scandium	[Sc]	3	7	5	4	4	10	5	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	40	40	50	60	40	50	30
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	20	< 5	< 5
Bismuth	[Bi]	10	15	20	20	15	10	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	< 5	5	5	5	10	10	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilipiak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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Aqua-Regia Digestion

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ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - I2
T.S.L. File No. :
T.S.L. Invoice No. : 15062

ALL RESULTS PPM

ELEMENT		90SPR090	90SPR091	90SPR092	90SPR093	90SPR094	90SPR095	90SPR096	90SPR097
Aluminum	[Al]	9800	16000	19000	40000	15000	32000	20000	18000
Iron	[Fe]	20000	40000	47000	21000	23000	48000	35000	35000
Calcium	[Ca]	53000	14000	17000	61000	7100	27000	8600	6800
Magnesium	[Mg]	5100	5000	6000	6600	4800	8100	4300	4600
Sodium	[Na]	310	630	430	310	690	1200	350	240
Potassium	[K]	610	360	310	120	140	490	1800	2200
Titanium	[Ti]	120	4600	4400	1500	1400	2700	2200	1500
Manganese	[Mn]	600	540	520	300	310	860	280	190
Phosphorus	[P]	470	550	710	200	340	430	530	480
Barium	[Ba]	120	110	36	16	12	37	34	46
Chromium	[Cr]	79	50	35	68	87	170	35	29
Zirconium	[Zr]	5	19	22	8	9	19	13	10
Copper	[Cu]	20	12	13	35	35	55	54	38
Nickel	[Ni]	28	9	12	63	27	78	29	17
Lead	[Pb]	5	4	6	7	9	3	15	14
Zinc	[Zn]	77	78	78	38	200	74	180	63
Vanadium	[V]	37	180	200	48	100	180	82	51
Strontium	[Sr]	140	11	23	19	13	29	25	18
Cobalt	[Co]	7	15	17	14	5	27	8	4
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	10	6
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	7	22	23	8	8	14	9	6
Scandium	[Sc]	4	5	4	2	6	17	10	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	10	30	40	30	< 10	10	20	30
Arsenic	[As]	< 5	< 5	< 5	< 5	10	< 5	< 5	< 5
Bismuth	[Bi]	< 5	15	15	10	10	25	10	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	< 5	10	< 5	10	25	15	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Dennis Pelyuk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
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ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - IJ
T.S.L. File No. :
T.S.L. Invoice No. : 15062

ALL RESULTS PPM

ELEMENT		90SPR098	90SPR099	90SPR100	90SPR101	90SPR102	90SPR103	90SPR104	90SPR105
Aluminum	[Al]	16000	24000	24000	7700	28000	19000	17000	5700
Iron	[Fe]	27000	59000	80000	27000	28000	40000	23000	20000
Calcium	[Ca]	52000	16000	11000	4400	23000	53000	79000	15000
Magnesium	[Mg]	6000	6200	5200	3000	7800	7100	6400	3300
Sodium	[Na]	390	440	190	640	120	460	150	590
Potassium	[K]	320	350	960	310	270	170	50	510
Titanium	[Ti]	1500	4900	3700	1500	720	2700	1800	870
Manganese	[Mn]	580	780	490	230	290	570	360	330
Phosphorus	[P]	250	790	540	220	230	390	290	38
Barium	[Ba]	21	29	26	16	18	40	10	66
Chromium	[Cr]	100	18	27	130	250	160	110	99
Zirconium	[Zr]	10	18	23	12	4	26	15	50
Copper	[Cu]	27	18	36	12	60	44	29	16
Nickel	[Ni]	38	10	19	14	120	75	38	7
Lead	[Pb]	4	3	13	8	5	4	3	9
Zinc	[Zn]	52	100	130	40	110	65	65	200
Vanadium	[V]	110	250	190	58	48	140	81	18
Strontium	[Sr]	31	16	26	8	12	24	24	12
Cobalt	[Co]	13	17	11	5	22	24	11	2
Molybdenum	[Mo]	< 2	< 2	20	4	< 2	< 2	< 2	2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	1	< 1	1	< 1	< 1	1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	9	28	14	7	4	13	8	30
Scandium	[Sc]	11	3	13	3	2	13	7	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	10	40	50	< 10	< 10	< 10	< 10	< 10
Arsenic	[As]	< 5	< 5	< 5	10	< 5	< 5	< 5	5
Bismuth	[Bi]	5	25	30	5	20	15	< 5	5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	10	10	< 5	10	10	5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pilzisk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
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I.C.A.P. PLASMA SCAN

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ATTN: J. FOSTER PROJECT: 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - 14
T.S.L. File No. :
T.S.L. Invoice No. : 15082

ALL RESULTS PPM

ELEMENT	90SCR001	90SBR001	90SJR100	90SJR101	90SJR103	90SJR104	90SJR105	90SJR106
Aluminum [Al]	8500	17000	9600	3800	3600	5800	24000	17000
Iron [Fe]	15000	36000	26000	13000	16000	22000	37000	29000
Calcium [Ca]	2300	17000	9900	6000	6600	1300	11000	15000
Magnesium [Mg]	4000	6000	4100	1700	2500	2400	8200	6800
Sodium [Na]	220	310	400	720	460	810	270	300
Potassium [K]	620	70	570	1300	1200	840	260	160
Titanium [Ti]	69	2300	1300	220	30	36	1900	1300
Manganese [Mn]	94	420	650	270	500	630	610	460
Phosphorus [P]	200	490	100	80	64	82	410	310
Barium [Ba]	45	11	66	61	43	58	36	41
Chromium [Cr]	97	36	120	110	76	150	47	48
Zirconium [Zr]	4	14	17	7	4	6	19	10
Copper [Cu]	10	22	4	3	3	2	51	40
Nickel [Ni]	53	11	3	4	3	4	31	19
Lead [Pb]	8	4	5	5	4	7	4	5
Zinc [Zn]	32	60	87	51	30	61	50	47
Vanadium [V]	27	100	12	6	1	< 1	87	65
Strontium [Sr]	8	13	12	12	12	5	11	13
Cobalt [Co]	7	19	2	2	< 1	< 1	20	15
Molybdenum [Mo]	< 2	< 2	< 2	6	< 2	2	< 2	< 2
Silver [Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium [Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium [Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron [B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony [Sb]	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5
Yttrium [Y]	3	10	21	8	8	16	11	8
Scandium [Sc]	3	3	5	3	3	4	5	3
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	< 10	40	< 10	< 10	< 10	< 10	40	30
Arsenic [As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth [Bi]	< 5	15	10	< 5	< 5	< 5	20	15
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	10	< 5	< 5	< 5	< 5	< 5	15	5
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Denis Pelyuk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT 90-BC-019 - HI-TEC P.O. R-2202

T.S.L. REPORT No. : S - 9573 - IS
T.S.L. File No. :
T.S.L. Invoice No. : 15062

ALL RESULTS PPM

ELEMENT		90SJR107	90SJR108	90SJR109	90SDR014	90SDR015	90SDR016	90SDR017	90SDR018
Aluminum	[Al]	27000	19000	32000	22000	23000	19000	20000	12000
Iron	[Fe]	36000	27000	39000	48000	56000	21000	40000	12000
Calcium	[Ca]	21000	36000	40000	7100	14000	88000	17000	120000
Magnesium	[Mg]	7700	7300	8300	8900	7900	6100	6100	3600
Sodium	[Na]	930	470	640	250	340	140	470	70
Potassium	[K]	570	150	210	400	460	90	140	40
Titanium	[Ti]	2500	2100	2900	1900	2700	1300	3400	820
Manganese	[Mn]	550	430	630	820	630	450	460	290
Phosphorus	[P]	480	210	340	290	380	140	600	< 2
Barium	[Ba]	43	36	27	31	20	28	21	8
Chromium	[Cr]	54	84	130	140	130	110	34	66
Zirconium	[Zr]	17	11	22	23	37	10	13	5
Copper	[Cu]	51	43	50	41	130	30	41	18
Nickel	[Ni]	65	52	65	53	37	56	14	24
Lead	[Pb]	5	5	3	12	31	3	6	1
Zinc	[Zn]	49	36	53	81	780	42	88	21
Vanadium	[V]	87	65	97	120	130	54	110	30
Strontium	[Sr]	24	13	22	6	6	25	7	81
Cobalt	[Co]	20	18	23	21	21	16	20	7
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	4	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	2	4	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	5	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	50
Antimony	[Sb]	< 5	< 5	< 5	10	10	< 5	< 5	< 5
Yttrium	[Y]	11	7	10	12	13	6	14	5
Scandium	[Sc]	3	4	10	8	12	5	3	2
Tungsten	[W]	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	30	20	30	20	< 10	30	< 10
Arsenic	[As]	< 5	< 5	< 5	25	140	< 5	< 5	< 5
Bismuth	[Bi]	20	10	20	20	20	< 5	15	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	20	10	5	5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10

DATE : AUG-29-1990

SIGNED : Denis Pilipiak

T S L LABORATORIES
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T.S.L. REPORT No. : S - 9573 - 16
T.S.L. File No. :
T.S.L. Invoice No. : 15062

ALL RESULTS PPM

ELEMENT		90SDR019	90SDR020	90SDR021	90SDR022	90SDR023	90SDR024
Aluminum	[Al]	31000	17000	30000	26000	21000	31000
Iron	[Fe]	31000	74000	68000	58000	53000	52000
Calcium	[Ca]	59000	17000	12000	12000	15000	16000
Magnesium	[Mg]	6000	7400	7400	7300	5800	7800
Sodium	[Na]	90	120	230	340	250	400
Potassium	[K]	20	880	90	220	50	400
Titanium	[Ti]	2800	3800	3500	5000	3200	2600
Manganese	[Mn]	410	550	620	690	440	640
Phosphorus	[P]	470	850	690	750	510	410
Barium	[Ba]	8	17	13	38	9	48
Chromium	[Cr]	60	77	28	30	20	99
Zirconium	[Zr]	19	34	33	23	28	28
Copper	[Cu]	65	130	23	35	26	61
Nickel	[Ni]	28	21	21	15	20	130
Lead	[Pb]	10	42	11	12	21	15
Zinc	[Zn]	64	5500	140	190	81	150
Vanadium	[V]	130	190	190	190	150	170
Strontium	[Sr]	20	9	5	9	5	21
Cobalt	[Co]	16	21	22	28	16	27
Molybdenum	[Mo]	< 2	4	4	< 2	6	< 2
Silver	[Ag]	< 1	5	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	17	< 1	< 1	< 1	1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	25	< 5	< 5	< 5	10
Yttrium	[Y]	13	18	19	22	11	15
Scandium	[Sc]	6	13	7	11	7	9
Tungsten	[W]	< 10	70	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	40	50	50	30	20
Arsenic	[As]	< 5	140	< 5	5	10	< 5
Bismuth	[Bi]	5	30	30	30	20	30
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	< 5	< 5	< 5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-29-1990

SIGNED : Dan Pilipiak

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9666

INVOICE #: 15028
P.O.: R-2258

SAMPLE(S) OF Rock

R. Brown
Project: 90 BC 019

REMARKS: Hi-Tec Resource Management

	Au ppb
90SKR001	<5
90SKR002	<5
90SKR003	<5
90SKR004	<5
90SKR005	<5
90SPR105	Not Rec'd
90SPR106	<5
90SJR102	<5
90SJR110	<5
90SJR111	<5
90SJR112	<5
90SJR113	<5
90SJR114	<5
90SJR115	<5
90SPR107	<5

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 29/90

SIGNED Bernie Ouna

CTA

TSL LABORATORIES
DIV BUNGHER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S1564

INVOICE #: 16264
P.O.: R-2258

SAMPLE(S) OF: Rock

R. Brown
Project: 90 BC 019

REMARKS: Hi-Tec Resource Management

	Hg ppb
90SKR001	60
90SKR002	10
90SKR003	40
90SKR004	<10
90SKR005	10
90SPR105	Not Rec'd
90SPR106	<10
90SJR102	400
90SJR110	<10
90SJR111	10
90SJR112	10
90SJR113	20
90SJR114	<10
90SJR115	30
90SPR107	900

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Nov 07/90

SIGNED _____

CTA

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9666 - 1
T.S.L. File No. : M - 7774
T.S.L. Invoice No. : 15161

ATTN: J. FOSTER PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT P.O.: R-2258 ALL RESULTS PPM

ELEMENT		90SKR001	90SKR002	90SKR003	90SKR004	90SKR005	90SPR105	90SPR106	90SJR102	90SJR110	90SJR111
Aluminum	[Al]	16000	20000	20000	35000	32000	1800	19000	7800	20000	17000
Iron	[Fe]	29000	32000	34000	47000	41000	2100	10000	23000	52000	52000
Calcium	[Ca]	1600	2900	2300	10000	30000	1700	21000	2700	11000	9800
Magnesium	[Mg]	5600	5500	5800	8600	8300	1300	2700	2900	5600	5400
Sodium	[Na]	80	80	70	100	90	< 10	30	370	260	410
Potassium	[K]	750	1200	960	860	160	10	90	420	100	210
Titanium	[Ti]	17	16	16	1200	1900	110	630	120	5400	5800
Manganese	[Mn]	220	310	330	860	760	47	140	260	590	520
Phosphorus	[P]	430	480	490	350	330	22	110	90	710	660
Barium	[Ba]	59	110	120	62	52	2	6	35	18	26
Chromium	[Cr]	57	54	50	210	180	11	100	77	24	18
Zirconium	[Zr]	1	3	3	17	21	< 1	7	4	35	28
Copper	[Cu]	47	54	48	62	47	2	11	5	5	13
Nickel	[Ni]	79	80	70	74	69	5	14	4	1	4
Lead	[Pb]	8	8	8	< 1	< 1	< 1	< 1	16	1	< 1
Zinc	[Zn]	110	110	99	69	57	4	23	460	120	73
Vanadium	[V]	41	41	48	160	160	7	38	5	230	270
Strontium	[Sr]	18	25	23	12	19	1	2	4	7	11
Cobalt	[Co]	11	12	11	27	25	2	4	< 1	13	14
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	26	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	15	15	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	6	7	7	14	12	< 1	3	14	27	24
Scandium	[Sc]	4	5	5	17	15	< 1	3	2	4	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	30	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10
Thorium	[Th]	20	20	30	30	10	< 10	< 10	< 10	40	30
Arsenic	[As]	15	15	15	< 5	10	10	< 5	45	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	35	40	40	45	40	< 5	20	25	25	30
Holmium	[Ho]	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10	20	10

DATE : SEP-01-1990

SIGNED : Bernie Ann

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T.S.L. REPORT No. : S - 9666 - 2
T.S.L. File No. : M - 7774
T.S.L. Invoice No. : 15161

ATTN: J. FOSTER PROJECT: 90 BC 019 HI-TEC RESOURCE MANAGEMENT P.O.: R-2258 ALL RESULTS PPM

ELEMENT		90SJR112	90SJR113	90SJR114	90SJR115	90SPR107
Aluminum	[Al]	20000	26000	40000	23000	20000
Iron	[Fe]	41000	30000	43000	55000	32000
Calcium	[Ca]	13000	71000	40000	16000	8200
Magnesium	[Mg]	5600	7000	9300	6400	5600
Sodium	[Na]	240	200	470	290	200
Potassium	[K]	290	830	620	150	880
Titanium	[Ti]	3200	320	970	5600	2200
Manganese	[Mn]	450	770	730	600	210
Phosphorus	[P]	470	170	250	670	500
Barium	[Ba]	23	1200	120	56	57
Chromium	[Cr]	14	130	240	34	48
Zirconium	[Zr]	20	10	17	41	17
Copper	[Cu]	18	33	50	15	38
Nickel	[Ni]	22	66	110	14	21
Lead	[Pb]	2	< 1	< 1	< 1	12
Zinc	[Zn]	65	37	48	65	75
Vanadium	[V]	160	92	120	260	130
Strontium	[Sr]	17	84	45	15	10
Cobalt	[Co]	15	18	27	19	3
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	8
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	20	10	20	10	10
Yttrium	[Y]	18	10	13	26	7
Scandium	[Sc]	3	13	21	5	10
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	20	< 10	40	20
Arsenic	[As]	45	< 5	< 5	< 5	5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	25	40	55	25	25
Holmium	[Ho]	< 10	10	20	10	< 10

DATE : SEP-01-1990

SIGNED : Bernie Ouma

APPENDIX V

STATEMENT OF COSTS

STATEMENT OF COSTS

BUFFALO RESOURCES LTD./INTERNATIONAL VIKING RESOURCES INC.
Project 90BC019
PALMIERE SOUTH PROJECT
Period of Field Work: July 18, 1990 to August 22, 1990

Salaries		
D.Lucas, Geologist, 1.0 days @ $400/day	$ 400.00	
D.Collins, Geologist, 11.5 days @ $400/day	4,600.00	
R.Brown, Geologist, 4.5 days @ $400/day	1,800.00	
P.Daigle, Geologist, 22.0 days @ $300/day	6,600.00	
D.Hebditch, Temp.Replacement Cook, 2.50 days @$225/day	562.50	
J.P.Sorbara, Vice Pr., 3.5 days @ $400/day	1,400.00	
T.Kennedy, Prospector/Blaster 2.5 days @ $300/day	750.00	
T.Kelemen, Technician, 3.0 days @ $225/day	675.00	
J Cooper, Cook, 7.58 days @ $225/day(salary prorated)	1,705.50	
J.Himmelright, Technician, 19.0 days @ $225/day	4,275.00	
D.Carstens, Prospector, 1.0 days @ $300/day	300.00	$23,068.00
Project Expenses		
Project Preparation		3,918.55
Base Map Preparation 1:5,000 digital manuscript		3,120.00
Mobilization/Demobilization		12,142.39
Domicile 78.08 man days @$115/man/day		8,979.20
Geochemistry and Laboratory Service		
Silts		
2 Samples $1.00/sample preparation	2.00	
2 Samples $8.00/sample Au Geochem	16.00	
1 Samples $8.40/sample 35 element ICP	8.40	
Bulk Stream		
2 Samples $30.00/sample preparation	60.00	
2 Samples $16.40/sample Hvy Min. Pkg; Au FA/AA Hg	32.80	
2 Samples $8.00/Hg	16.00	
Rocks		
262 Samples $4.00/sample preparation	1,048.00	
262 Samples $8.40/35 element ICP	2,200.80	
262 Samples $8.00/sample Au Geochem	2,096.00	
169 Samples $6.30/ Hg Geochem	1,064.70	
Freight charges from Smithers	340.35	6,885.05
Trenching		
Plugger drill rental	960.00	
Powder	175.65	1,135.65

Helicopter Support 20.27 hours @ $654.35/hour	13,263.69
Beach Fixed Wing support	1,599.27
Radio Rental 0.5 months @ $175/month	87.50
Walkie talkie rental 78.08 Man Days $5.00/unit/man/day	390.40
Field Supplies	1,677.78
Equipment rental 68 man days @ $25.00/man day	1,700.00
Generator fuel and propane	185.08
Computer rental	240.00
Expediting	589.08
Government filing	350.00
Accounting, Communication and freight	2,370.74
Report Writing, drafting and compilation	6,500.00
15% Management Fees	13,230.36
TOTAL	$ 101,432.74

ARC 3

ARC 4

L.C.P.

L.C.P.

6283000 N

6282500 N

6282000 N

6281500 N

6281000 N

405000 E

405500 E

406000 E

406500 E

407000 E

407500 E

408000 E

Pillow And. X

West-side of creek is predominantly grey, green, purple massive And. w/ qtz and carb veinlets, locally Calc amygdules, <1 - 2% py

Small diorite intrusive contact maybe gradational ? (not seen) only small o/c

And. w/ 5% py

And. is highly fractured and sheared with slickensides and Fe/Mn staining.

Cherty shale o/c w/ Qtz veinlets heavily brecciated, highly altered and fractured, no mineralization

ARC: Sil grey/green highly altered Fe/Mn stained w/ slickensides w/ Qtz/Carb veinlets 1cm thick locally mineralized <1-1% py shear zone

Generally appears high above shale in creek on ravine walls

Shale appears cherty very Sil. X-cut by Qtz/Carb veinlets (locally brecciated) locally mineralized <1-2% py

Small quartic horizons very Sil. Qtz veinlets 3% py along veinlets

Falls

Shale argillite, Si sed package w/ thin Qtz veinlets, sheared and compressed py to 5% py

Shear zone (strs) in sil And Lt. gy. grn w/ rusty weathering Py+(-5% up to 7%

Sheared shale, Si and argillite, somewhat Calc. w/ diagenetic py 3%

And grey/grn occasionally w/ porph plag. As well altered and Sil along shears Occ. py to 3-4% near shears

Very sil grey/grn Dacite, Qtz-Carb veinlets 2% diss. py

L. gry Fel. volc w/ Qtz/Carb veinlets 2% py along veinlets (lies within L. brown alteration zone.

Alteration halo - sil

V. Sil grey/green dacite, qtz-carb veinlets 2% dissem. py

V. Sil grey/brown alt'n dacite?, Carb veins 1-5mm, altered around vein.

Contact is indistinct

Grey/grn And. Qtz and carb veinlets no mineral'n

And. pillows grey/grn/purp Qtz/Carb veinlets up to 2% py & disc. interstices very Calc.

Cherty Sh. brecc. by Qtz veinlets, highly altered Fe-rust no mineral'n

Grey And. w/ large Qtz vein 25cm: and is incorporated w/ mineral'n

Highly altered cherty shale sheared (shale is lenticular) boudinage ? Carb veinlets, no veinlets, no mineral'n

Brecc. cherty Sh. gossanous no mineral'n

Flow breccia o/c to pillow And. flow has 1mm - 25 cm clasts of very Sil grey/purp volc. interstices or very Calc.

5m wide shale unit within grey And. 2-5% py along fractures slickensides (brecciated around Carb veinlets

Moraine

Cherty shale unit 10m wide X-cut by Qtz veinlets, Fe-rust, very altered, 0% diss. py

Fine-coarse gr. diorite gabbro ? V. Sil, qtz veins (0.2-2cm) up to 6% py along veinlets and in blebs

Minor shear w/ Sil 110/70

Moraine peak

Gossanous volc

Pillow lava

0.5% py

CLIFFS

X Gossan 30m wide

Gossanous cliff face police And. 2% py along cliff

Gry And. tuff 2% dss py Qtz/Carb. veinlets

Grey/Grn/purp Sil And w/ small horizons of dacite (very siliceous) units of cherty brecciated Sh contacts undefinable

Snow/ice field with variable exposure

Mod. gr diorite Qtz veinlets <5mm 2% py along veinlets

Gry/grn And. Qtz-Carb veinlets 1cm-up to 2% py in blebs stickensides/shearing

Inaccessible area but appears same as top of Mt Shirley - white weathering Sil. cliff forming, altered And ? or Jfp

Inaccessible snow covered area

Jfp cliffs

V. ssonitic, V silicified unit Pale grey "dacitic" look - maybe altered Ands.

Minor shear

grey/green sil sediments (41%) W very siliceous horizons of dacite (rhyolite ?)

Aphan. Mafic Volc. W blebs of Py 63mm, 3%

Xenoliths of mafic volc. in altered volc ? V. treat throughout

O/C's of diorite (gabbro?) no definite contact

Mdi

Jvb

Jvp

JBp

Overgrown, no exposure Deadfall

Thin interbeds of shale/siltstone

Falls o/c of shale

o/c of andesite

Falls

Thick alders Devils Club, no o/c

Falls extremely steep cliffed out

Interbedded And/cherty shale appears predominantly in and adjacent to creek Shale is sheared and locally brecciated And. locally brecciated And. is highly fractured w/ stickenades i.e. creek is a fault

Contact between Sh/Dacite horizon (very Silic

Large shale o/c w/ highly altered Fe-rust, no mineralization, local anticlinal folding.

Creek beds are comprised of Shale units bounded by And. These tributaries appear to be splays of main creek fault

Clastic, 0.5-2m Pillow lavas w/ Limestone (5% pp)

Qtz stringers 1% py

Falls

Pillow and massive And. all along cliff w/ Qtz veinlets (trace-1% py)

Brecciated shales X-cut by Qtz veinlets

Scree/moraine material

Chaotic And pillow lavas Calc/breccia matrix trace py

V stumped like pillows Lavas/flows, interlayered.

25 cm Calcite vein zone in lavas Flow top features F.U., sphar

Flat lying Calc. vein 2m wide, And pillow lavas

Gossanous And volc. 3-5% py sheared in places

Pillow lavas in Vert Contact overly the gossanous zone of Mass volc. Altered

Fel. volc at contact, very sheared <1% py Qtz-Carb veinlets, flow banding appears in lenses between shale (very sheared) and massive And. <1%

Very folded, very sheared interbedded Shale no mineral'n, slickensides Carb veinlets

Pillow and massive And. along cliff <1% py shows signs of shearing (slickensides) Carb veinlets

Interbedded Sh, no mineral'n

Interbedded Sh

Intermed. dyke 3% py (2m thick) X-cutting Carb veinlets

Pillow + massive And. along cliff <1% py Carb veinlets

Gr Volc Epidote Qtz (8) veining at contact

Remnant felsic frags 1% py in Vn

Trench blasted across Sh/And fault contact Shale - highly sheared altered to clay qtz vns. Fe-rust no mineralization

Andesite - altered + sheared And. slickensides Fe-rust, Cb-vnlts 2% Py

grey/green fine grained siliceous andesite cross-cut by qtz/carb stringers

X-cut by Qtz/Carb stringers

1m wide o/c's of highly altered, bl'd shale (qtz vnlt swarms) V gossanous in o/c interbed in volc. General trend is 154° Overly volc. are slightly calc + pink, pillow shaped. Underlying volc. V. altered

V gossanous black Si/Volc

black qtz Si

black Si

black Si intensely cleaved

Black Si thin 3cm interbed Sh/SS laminae

Andesite dyke 50m long (1.5 m thick) 2% py beds near dyke very convoluted (2% py in lenses)

grey Volc. abundant thin 1-4mm qtz/carb veinlets

Jbp

Arenaceous SS

8m long o/c of folded structure (synclinal)

Sil N.E. Limb

S.W. Limb

Minor faulting (local) W several intersecting faults Qtz-veins (2cm) at fold axis 1m high sym - anticlines

Volcaniclastic and SS float all along creek

Marshy w/ heavy overgrowth of alders, no o/c

Interbedded Sh/Si/SS o/c

Pillow float

Sh/Si/SS

Sh/Si w/ beds of SS

F166

Some Qtz veins pll to beds of Sh/Si

overgrown and marshy no o/c

Black Arg/Si intensely cleaved

well sorted, calc. sandstone (3-10 cm thick) silt with interbeds of shale/siltstone

well sorted, well rounded clast supported, polymictic congl. (.35 cm thick)

thin interbeds of shale / siltstone

Andesite dyke 50 m long (1.5 m thick) 2% py beds near dyke very convoluted (2% py in lenses)

N

LEGEND

INTRUSIVE ROCKS

LOWER JURASSIC

Jfp — Quartz feldspar porphyry and felsite intrusives.

MESOZOIC

Mdi — Meta-diorite and meta-gabbro.

STRATIFIED ROCKS

MIDDLE-UPPER JURASSIC

JBp — Bowser Lake Group; grey shale and siltstone, interbedded, minor calcareous sandstone, polymictic conglomerate and sandstone beds.

MIDDLE JURASSIC

Jvp — Hazelton Group; Betty Creek Formation?; basic pillow lava and breccia (near eastern contact pillows with limestone interstices), cherty shale, andesite, all units strongly fractured and cut by carbonate and quartz carbonate veins.

SYMBOLS

Contact (defined, inferred).

Contact (fault).

Outcrop.

Bedding, Cleavage, Fracture, Vein attitude.

ABBREVIATIONS

ss	Sandstone.
Sh	Shale.
Si	Siltstone.
Qtz	Quartz.
And	Andesite.
Carb	Carbonate.
Volc	Volcanic.
Sil	Siliceous.
py	Pyrite.
w/	With.
pll	Parallel.
blk	Black.
o/c	Outcrop.
x	Small outcrop.

F166 Fossil Locality (Read et al, 1989)

0 50 100 200 300 400 500 metres

SCALE 1:5000

CONTOUR INTERVAL 20 METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,712

PALMIERE SOUTH PROPERTY

BUFFALO RESOURCES LTD.
INTERNATIONAL VIKING RESOURCES LTD.

PROPERTY GEOLOGY (1)

HI-TEC RESOURCES MANAGEMENT LTD.

SCALE: 1:5000	N.T.S.: 104B/10	FIGURE No: 4	
DWN. BY:	DATE: NOV. 1990		
CHKD. BY:	PROJECT No: 90BC019	FILE No:	

ARC 3

L.C.P.

L.C.P.

ARC 4

6283000 N

6282500 N

6282000 N

6281500 N

6281000 N

405000 E

405500 E

406000 E

406500 E

407000 E

407500 E

408000 E

+90SPR054

+90SPR019

+90SJR005

+90SPR017

+90SPR020

These samples are off the sheet.

+90SPR015
+90SPR016
90SJR006 + + 90SJR001
90SJR003 + + 90SJR002

+90SDR001 SAMPLE NUMBER

(5,10) Au ppb, Hg ppb

0 50 100 200 300 400 500 metres

SCALE 1:5000

CONTOUR INTERVAL 20 METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,712

PALMER SOUTH PROPERTY

BUFFALO RESOURCES LTD.
INTERNATIONAL VIKING RESOURCES LTD.

SAMPLE LOCATION MAP

(2)

HI-TEC RESOURCES MANAGEMENT LTD.

SCALE: 1:5000	N.T.S.: 104B/10		FIGURE No: 6
DWN. BY:	DATE: NOV. 1990		
CHKD. BY:	PROJECT No: 90BC019		FILE No: