ROCKRIDGE MINING CORPORATION - MEADFIELD MINING CORPORATION

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL ASSESSMENT REPORT

ON THE PALMIERE CREEK PROJECT

COMPRISED OF THE

ARC 1, 2 & ARC 14-17 CLAIMS

ESKAY CREEK AREA

LIARD MINING DIVISION

BRITISH COLUMBIA

NTS 104 - B / 10E

W. Longitude: 130^0 33′ N. Latitude: 56^0 43′

FOR

ROCKRIDGE MINING CORPORATION and
MEADFIELD MINING CORPORATION
1100-808 West Hastings Street
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BY

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NOVEMBER 22, 1990

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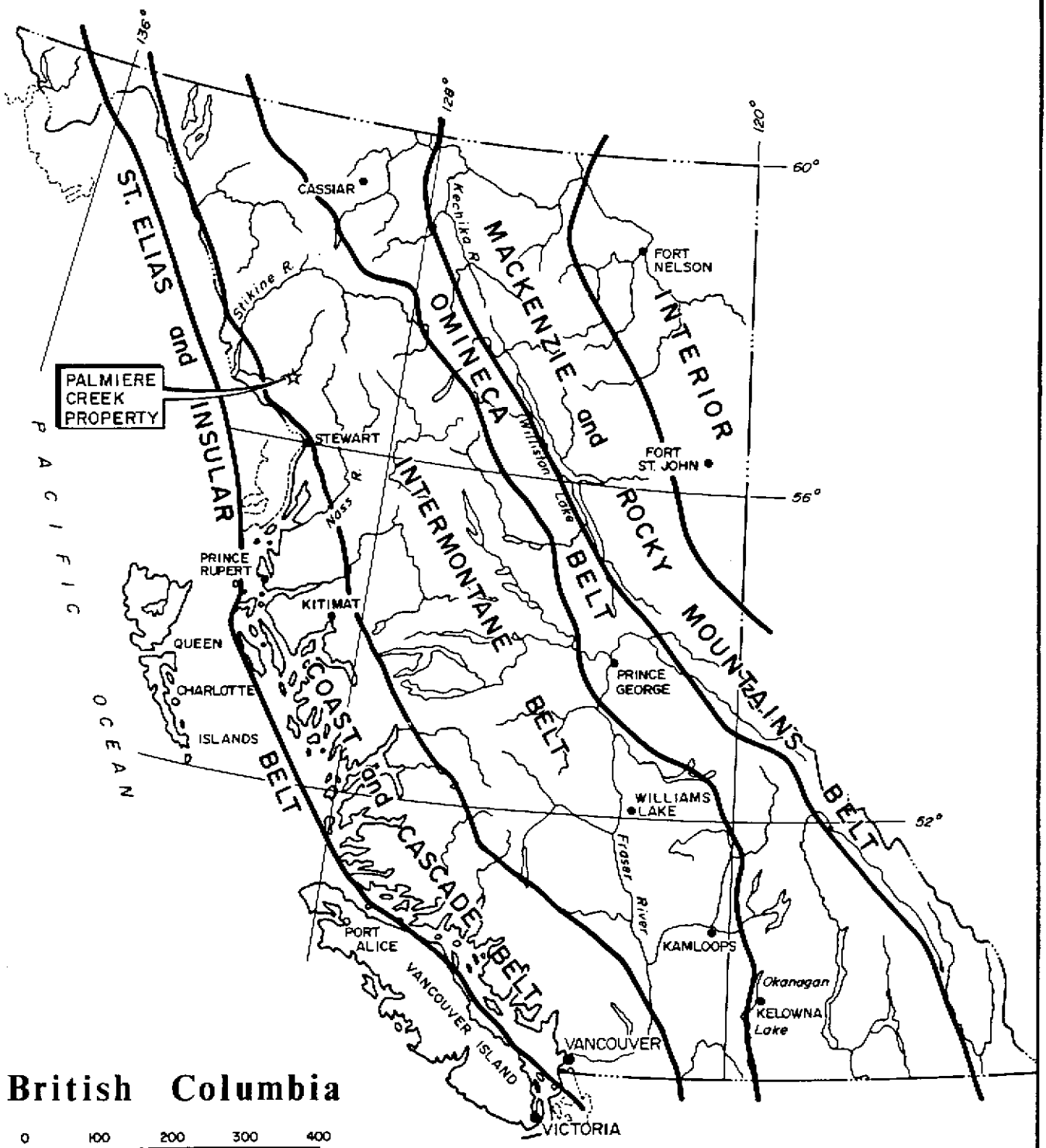
1.0 INTRODUCTION

This evaluation of the Arc 1,2,14,15,16 and 17 claims has been completed at the request of the directors of Rockridge Mining Corporation and Meadfield Mining Corporation. Meadfield has been granted an option by Rockridge Mining Corporation to earn a 50% interest in the property. The main purpose of the present report is to evaluate the precious metal and/or base metal potential of the subject property and to propose a further exploration program designed to test this potential, if warranted.

This report is based on the results of a $75,000 work programme consisting of bulk stream sampling, prospecting, 1:10,000 scale geological mapping, trenching and sampling which was conducted by Hi-Tec Resource Management Ltd. Three test lines of VLF-EM were run on one specific locality. The author worked on the property during July 1990.

1.1 Location and Access

The Arc 1,2,14,15,16 and 17 claims are located within the eastern boundary of the Coast Range Mountains (Figures 1 and 2) on NTS Map 104-B/10E. The property is located 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 southern corner of the claims is approximately 5 kilometers northwest of Prime Resources Group Inc./Consolidated Stikine's Eskay Creek property in the Unuk River Area.



PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

General Location Map

M-TEC RESOURCE MANAGEMENT LTD.	SCALE: as shown	N.T.S.: 104 B/10	FIGURE No: 1
	DWN. BY:	DATE: Aug. '90	
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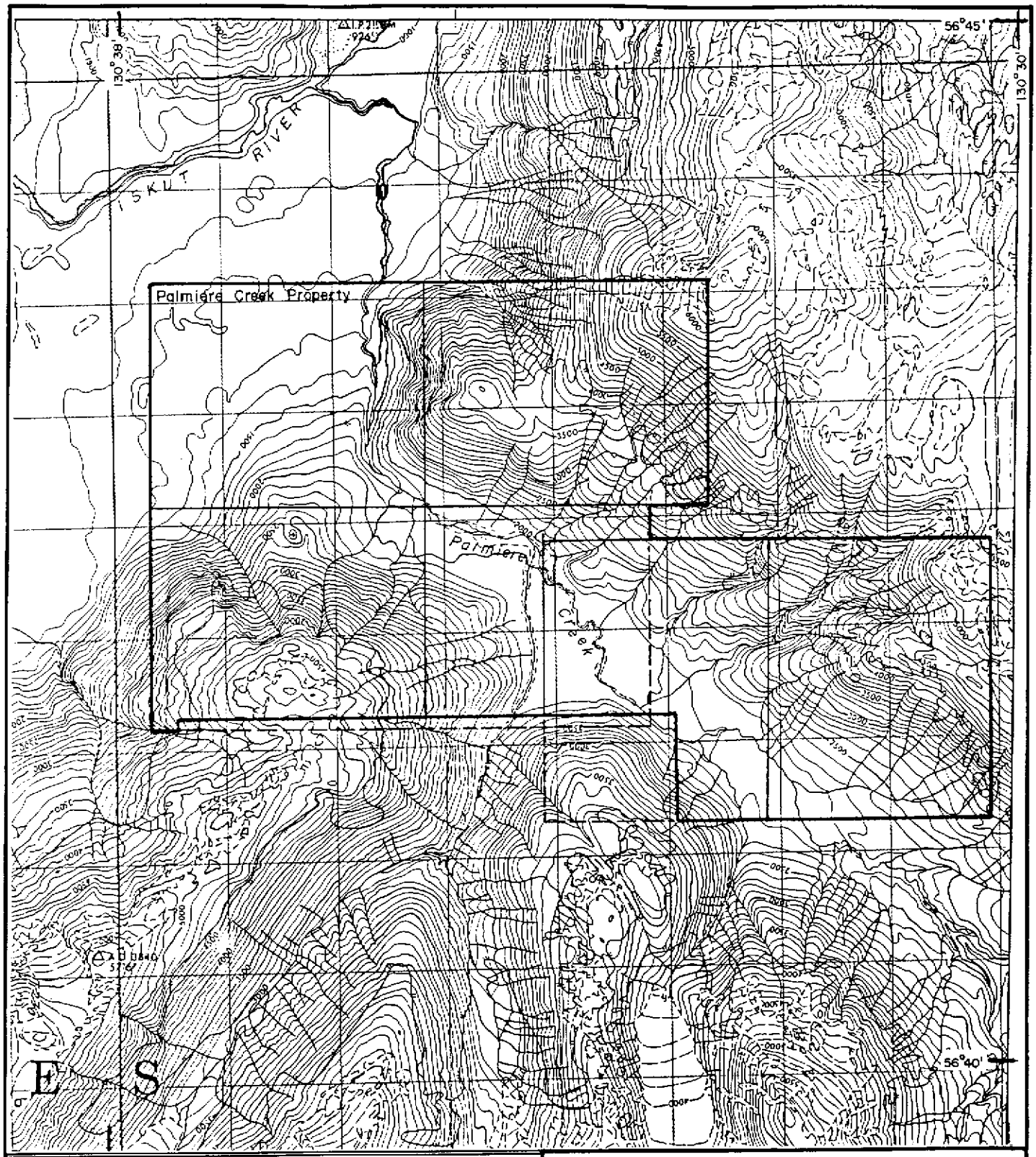


PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Topographic Map

HI-TEC RESOURCE MANAGEMENT LTD	SCALE: 1 : 50,000	N.T.S.: 104 B/10	FIGURE No: 2
	DWN. BY:	DATE: Aug '90	
	CHKD. BY:	PROJECT No: 90 BC 021	FILE No:

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

1.2 Physiography

The Arc 1,2 and 14-17 claims are centered on Palmiere Creek which is flanked by steep mountainous terrain. Relief ranges from 450 meters above sea level at the northern part of Palmiere Creek to approximately 1,650 meters along the eastern boundary of the property.

Tree line is at approximately 1,200 meters ASL. Dense vegetation and areas of thick deadfall occur below this and consists predominantly of spruce, fir and slide alder with a 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.

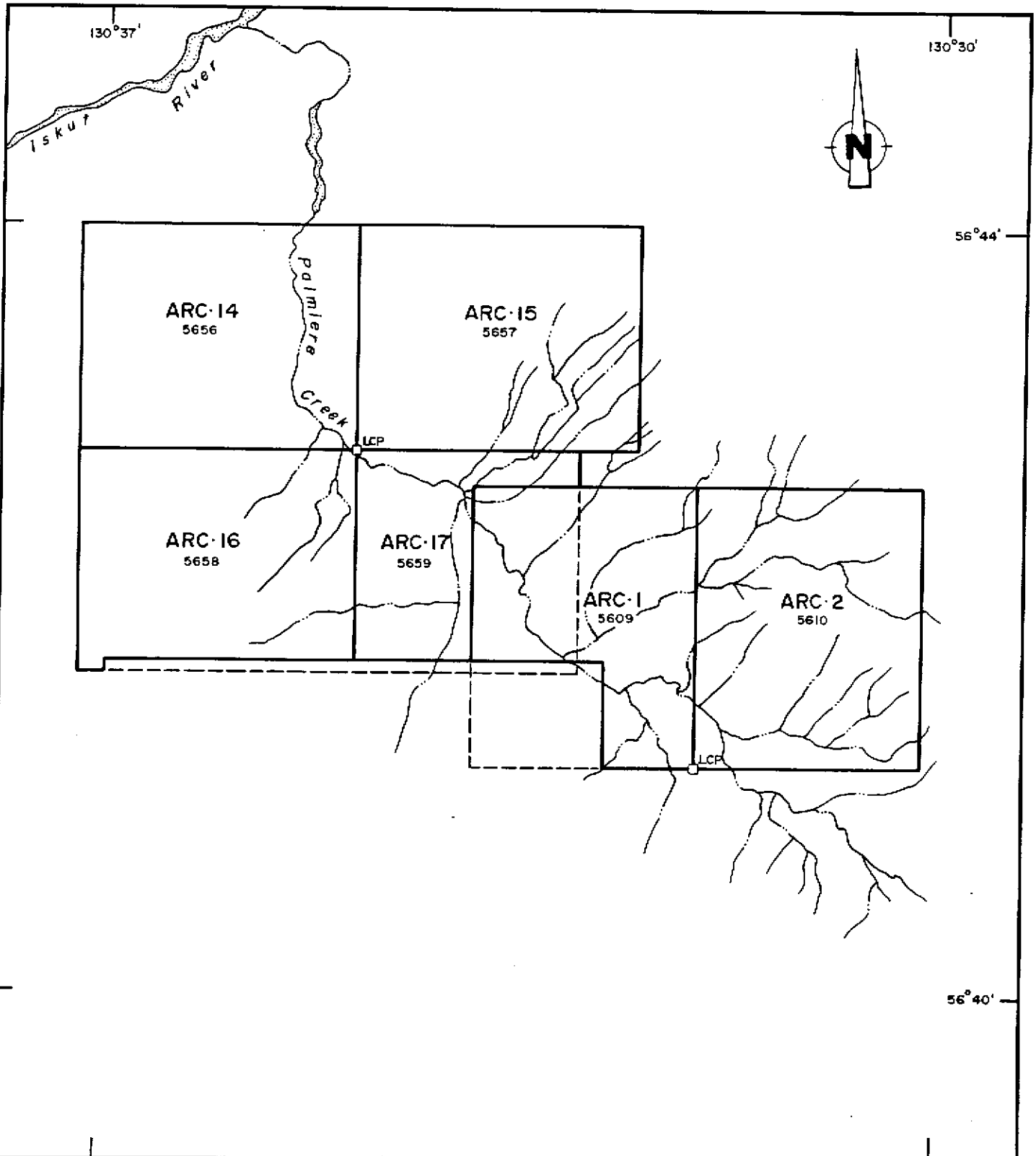
1.3 Property and Ownership

The property consists of six (6) contiguous mineral claims, totalling 116 units, held in the name of Rockridge Mining Corporation. The eastern portion of the Arc 17 claim and the western portion of the Arc 1 claim overlap by 6 units and the southwest portion of the Arc 1 claims overstakes the Tom 3 claim by approximately 4 units (Figure 3). The author worked on the property during July 1990 and has examined the LCP for the Arc 14-17 claims. The LCP is in the location as plotted on the claim map. The tags for the Arc 15 & 17 have been destroyed by wildlife. The remaining tags for the Arc 14 & 16 state that the claims were staked by M. Mason on Jan 4, 1989. No posts were placed. The LCP for the Arc 1 & 2 claims was not examined.

The property is located within the Liard Mining Division and is recorded at the British Columbia Ministry of Energy, Mines and Petroleum Resources as follows:

CLAIM	UNITS	RECORD No.	EXPIRY DATE*
Arc 1	20	5609	Dec 31/90
Arc 2	20	5610	Dec 31/90
Arc 14	20	5656	Jan 4/91
Arc 15	20	5657	Jan 4/91
Arc 16	20	5658	Jan 4/91
Arc 17	16	5659	Jan 4/91

* prior to filing the 1990 assessment work



0 0.5 1 2 3 km.

PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Claim Map

IN-TEC RESOURCE MANAGEMENT LTD	SCALE: 1:50,000	N.T.S.: 104 B/10	FIGURE No.: 3
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No.: 90BC021	FILE No.:

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 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, and between 1961 and 1967, Granduc and Newmont conducted geological and geophysical work on this ground. More claims were acquired by Granduc and their exploration effort continued until 1970.

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.

Production figures for the Reg deposit on Johnny Mountain during June 1989 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 1,2 and Arc 14-17 claims are located approximately 35 kilometers northeast of the Stonehouse and SNIP gold deposits.

In the Unuk River area, the Eskay Creek property, located 8 kilometers southeast of the center of the Meadfield-Rockridge 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

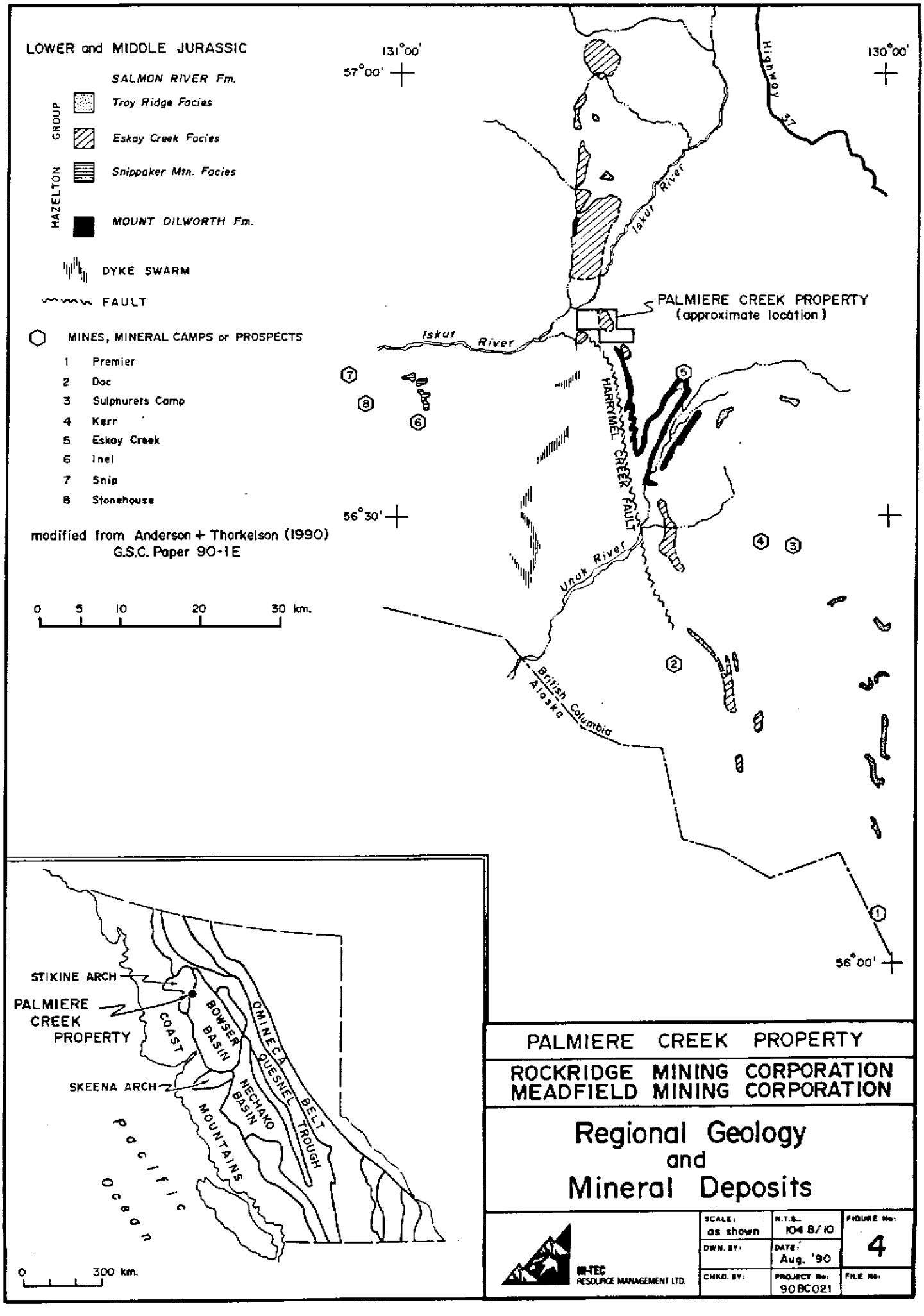
reported from the #21 zone since hole 88-6 hit 96.5 feet grading 0.73 oz gold and 1.1 oz silver (Northern Miner, Nov. 7, 1988). Surface drilling has outlined probable and possible reserves (at a cutoff grade of 0.25 oz. gold) totalling 1.55 million tons grading 1.3 oz. gold and 36.2 oz. silver per ton 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 author visited the Eskay Creek property in August 1990 and inspected drill core and geological sections relating to the 21 zone deposits.

There is no record of any previous showings on the Arc 1,2 and Arc 14-17 claims or of any previous mineral exploration work on the property. Cash-in-lieu was applied to cover previous assessment work requirements.

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 4) 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



PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Regional Geology and Mineral Deposits

	SCALE: as shown	N.T.S. 104 B/10	FIGURE No: 4
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No: 90BC021	FILE No:

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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 Terrane 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 4) 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. 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 subdivided into the Unuk River, Betty Creek, Mount Dilworth and Salmon River Formations. 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 and 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 Dilworth 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 Terrane 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 along the west side of Snippaker Creek to 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 coloured 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 Survey of Canada mapping indicates that the Arc 1,2 and 14-17 claims are underlain by a sequence of sediments and volcanics of Middle Triassic to Middle Jurassic age. In G.S.C. Open file 2094 the mapping by Read et al. (1989) has dated Middle Triassic volcanics on the western side of Palmiere Creek. To the east of Palmiere Creek Read et al. (1989) mapped Middle and Upper Jurassic sediments and did not map any portion of the Mount Dilworth Formation. In B.C.G.S. Open file 1989-10 (Alldrick et al., 1989) the southwestern side of the property is mapped as Betty Creek Formation volcanics and the eastern portion is underlain by Salmon River Formation sediments. This Open file also shows the Mount Dilworth Formation striking northwest from the Eskay Creek area, sub-parallel to the Harrymel Creek fault towards the Palmiere Creek valley. This fault is designated the Melville Fault by Read et al. (1989).

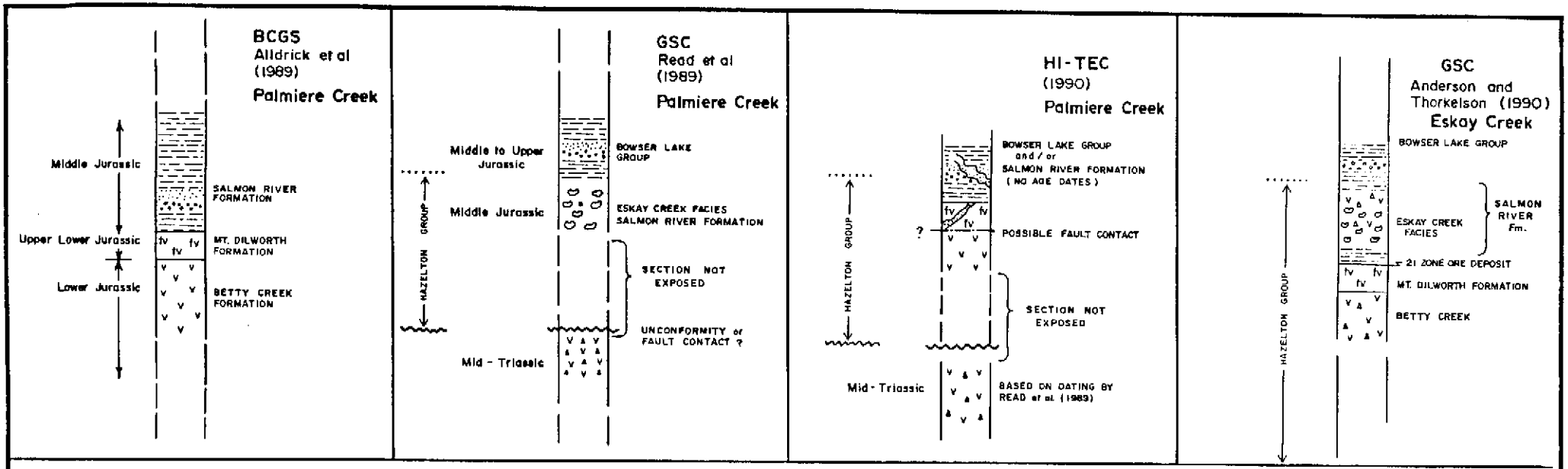
Anderson & Thorkelson (1990) subdivided the Salmon River Formation into two members. The lower member is a $\leq$2 meters thick fossiliferous calcareous wacke which is not regionally mappable. The upper member is subdivided into three stratigraphically equivalent facies (i.e. Troy Ridge, Eskay Creek and Snippaker Mountain facies). They mapped their medial Eskay Creek

facies in the Leroy Creek (adjacent to the west of the property) and Palmiere Creek areas (Figure 4).

Geological mapping of the Arc 1,2 and 14-17 claims was conducted during July 1990 by Hi-Tec Resource Management Ltd. (Figure 5). This work was mainly focused on the Toarcian (late Early Jurassic) to Bathonian (Middle Jurassic) part of the stratigraphy to locate, if present, the Mount Dilworth and Salmon River Formation contact.

The valley floor of Palmiere Creek is covered by unconsolidated recent sediments and recent amygdaloidal, vesicular, olivine rich basalt flows. The latter are exposed in a few locations at the lower portions of secondary creeks which drain the north-eastern slopes of the valley. The source of the basalts is a vent at the northwestern end of the Palmiere Creek valley. These flows were previously thought to cover the northward extension of the Mount Dilworth Formation felsics as mapped by Alldrick et al. (1989).

The area to the southwest side of Palmiere Creek, and also on part of the northeastern side of the creek, is underlain by a sequence of mafic to intermediate, aphanitic to massive green, grey and maroon volcaniclastics, epiclastics, pillow breccias, tuffaceous and andesitic units with minor interbedded black siltstone. Dispersed pyrite is occasionally visible in the volcanics. Alldrick et al. (1989) mapped these as Betty Creek Formation strata. Dating by Read et al. (1989) of the volcanics and interbedded siltstones on the southwest side of Palmiere Creek yielded a late Middle Triassic age (Figures 5,5a). On the northeastern side of Palmiere Creek Read et al.



LEGEND

- siltstones / sandstones / conglomerates
- pillow lavas
- fv fv fv — rhyolitic / felsic volcanics
- mafic / intermediate volcanics
- volcanics and volcanic breccia
- felsic dykes

- fault
- unconformity

PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
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Stratigraphic Correlation Chart for the Palmiere Creek Area

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SCALE: not to scale	N.T.S.: 104 B/10	FIGURE No: 5 a
DWN. BY:	DATE: Aug. '90	
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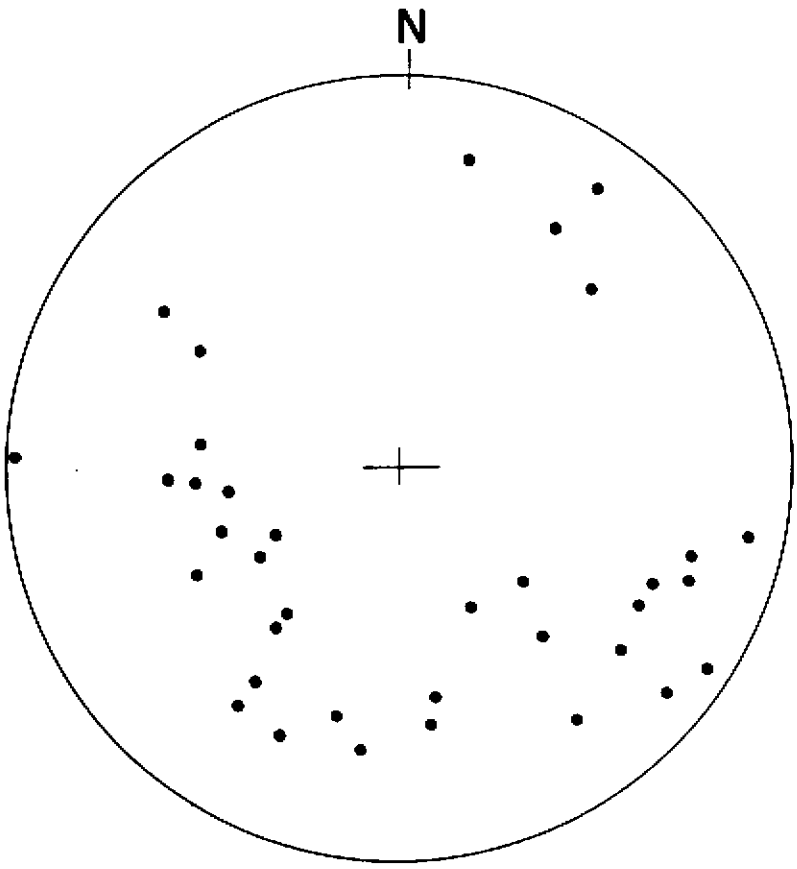
(1989) mapped Middle Jurassic pillow lavas and breccias of Anderson & Thorkelson's (1990) Eskay Creek facies. The steep slopes, cliff sections and dense undergrowth with deadfall in this latter area make mapping difficult. Only pale green/grey, siliceous, aphanitic to medium grained andesites were recognized during the Hi-Tec mapping on this portion of the property.

Prospecting and mapping of the streams and steep valley slopes in the southeast part of the claims revealed only float and limited outcrops of black siltstone below the 1000 meter elevation. Higher up on the eastern side of the valley the sediments are well exposed. In this mainly northeasterly dipping sequence (Figure 6) the lithologies are typically interbedded black siltstones, shales and brown weathering, grey arenites. Some of the shales have calcareous patches. Polymictic, frequently matrix supported, fining upward, small pebble conglomerates are developed in places interbedded with the black silts. These consist of both medium grained quartz pebble, clast supported intervals and occasionally black siliceous 1-2 cm, angular rip-up shards and argillitic fragments. The conglomerates appear to be developed close to the base of the Salmon River Formation sequence as defined by Alldrick et al. (1989). Read et al. (1989) dated black siltstone lithologies, which apparently underlie the conglomerates, at one fossil locality 500 meters south of the Arc 2 claim, as Middle to Upper Jurassic Bowser Lake Group.

Small-scale parasitic folds are developed throughout the sedimentary sequence. These display thinning of the limbs and thickening in the hinge zones. Numerous bedding parallel quartz-filled shears are exposed within the incompetent black siltstones. Quartz



Equal area plot
poles to bedding

n = 36

PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Equal Area Stereoplot of Bedding

M-TEC RESOURCE MANAGEMENT LTD.	SCALE:	N.T.S. 104 B/10	FIGURE No: 6
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No: 90BC021	FILE No:

veining and tension gash arrays are also commonly developed in the competent arenites and conglomerates of this unit. Both the above features are indicative of a flexural-slip folding mechanism. Two major lineaments intersect within this area (Figure 5). Portions of these are inaccessible in canyons, but their northeastern segments are mappable. No significant mineralization was located within quartz veining associated with these faults. The sediments can be traced northwest along strike on the eastern side of Palmiere Creek.

In the northeast corner of the Arc 15 claim a highly altered, slightly calcareous, 3 meter wide felsic dyke crosscuts the sediments. This appears to be separate to the other dykes in the area.

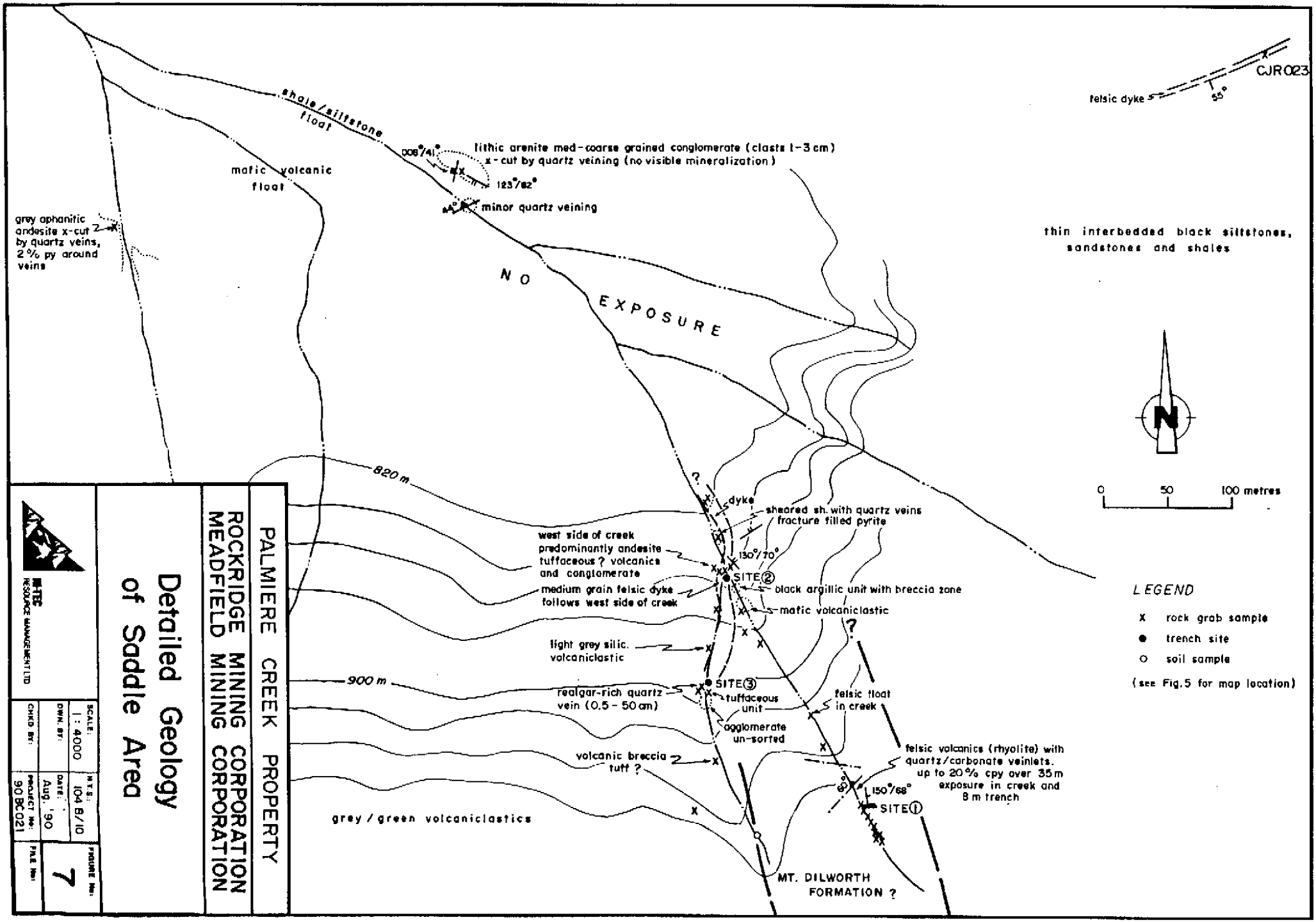
Most of the 1990 work was concentrated on the northeastern portion of the Arc 15 claim. This area forms a saddle-like depression between outcrops of volcanics on the west side and black siltstones with interbedded brown weathering sandy/tuffaceous laminae on the eastern side. No outcrop is exposed in this depression and exposure is limited to steep side creeks which drain to the north and south, off the saddle area.

Outcrops of very siliceous, well bedded, fine grained, grey/green, occasionally maroon or grey/green banded, rhyolitic to dacitic felsic volcanics were located on the north and south facing slopes of the saddle. These are commonly mineralized with up to 10% fine disseminated pyrite and occasionally contain 1-2% chalcopyrite and trace galena.

One outcrop of tuffaceous ash was mapped in the creek section below sample numbers 90CDR023-31. The strike of the felsic volcanics in this area is approximately $158/40^0$ E to $176/50^0$ E. Outcrops of flow breccias and banded felsic flows with 3-10% pyrite and $\leq$ 1% chalcopyrite were mapped along strike to the south of the above exposures. In places when the felsic volcanics are crosscut by quartz veinlets blebs of chalcopyrite and galena are occasionally visible.

Although no contact between the underlying mafic/intermediate volcanics and the felsic volcanics or with the overlying sediments has been located to date the stratigraphic position and lithologic composition of this felsic unit suggests that it may form part of the Lower Jurassic, Hazelton Group, Mount Dilworth Formation. However, the description of the Footwall Dacite Unit, Betty Creek Formation, by Idziszek et al (1990a,b) and Britton et al. (1990) is also lithogically similar to portions of the felsic unit on the Palmiere property. Although the mapping by Read et al. (1989) in the Palmiere Creek area did not recognize this felsic volcanic unit it implies that this unit would be part of the Eskay Creek facies of the Salmon River Formation (Figure 5a). Read et al. (1989) did map a Mount Dilworth Formation correlative rhyolitic unit on the east side of the Forrest Kerr fault approximately 18 km to the north of Palmiere Creek.

In one creek in the north facing slope of the saddle area the geological relationships are complex (Figure 7). Although outcrop is sparse, the rhyolitic volcanics appear to be underlain by black siltstones and volcaniclastics. The area is intruded by a 3-10m wide felsic dyke, with ubiquitous fuchsite, and breccia



Detailed Geology of Saddle Area

PALMIERE CREEK PROPERTY
ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

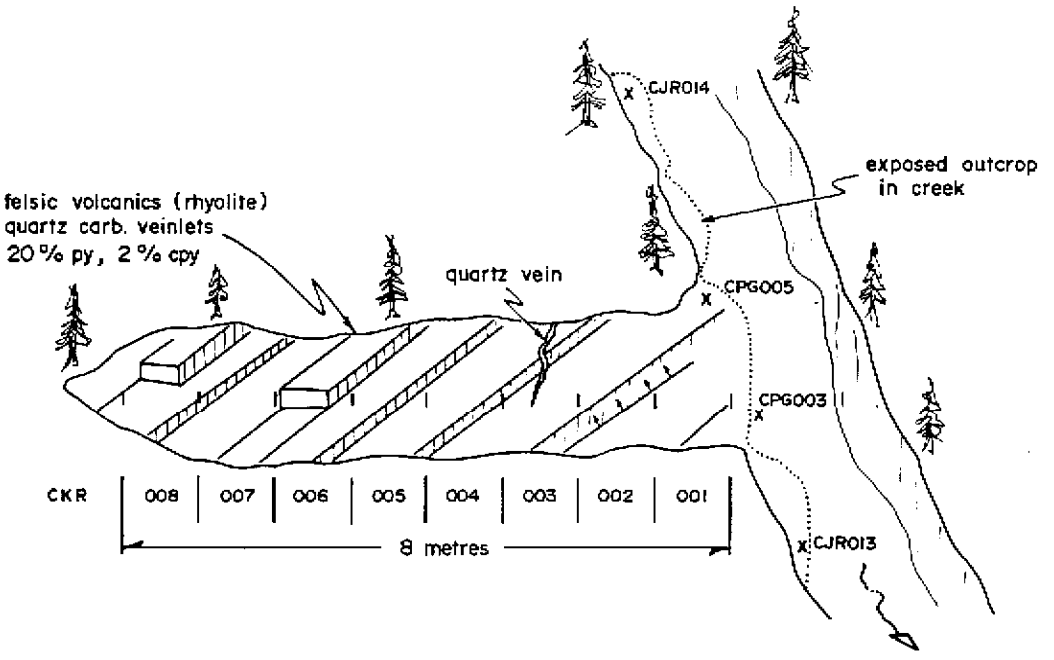
SCALE:	1 : 4000
N.T.S.:	104 B/10
DWN. BY:	
DATE:	Aug. '90
CHKD. BY:	
PROJECT No:	90 BC 021
FILE No:	
FIGURE No:	7

MINTEC RESOURCE MANAGEMENT LTD

zone. This area is coincident with a major air photo lineament and a deeply incised gully. No contact of the felsic volcanics with the overlying units is exposed but numerous minor faults and breccia zones have been mapped in the volcanics and siltstones. One outcrop of dark grey volcaniclastic rock is exposed along a fault contact with black siltstones.

The east contact of the felsic dyke is marked by a gouge and quartz brecciated zone within the siltstones. The contact is well exposed in the creek and is oriented $010^0/76^0$E. The west contact of the dyke is marked by a sugary quartz/carbonate vein zone within grey altered volcaniclastics. Calcite rich zones occur within the volcanics at the margin of the dyke. Up slope, the dyke appears to be associated with a major breccia zone. Here black angular siltstone fragments are hosted by a quartz matrix. The quartz appears "chalcedony like" in places. Red realgar crystals and orpiment stains are commonly developed within the breccia. Disseminated pyrite, blebs of galena and chalcopyrite are also evident. The breccia zone appears to be hosted by altered tuffaceous volcanics, coarse volcaniclastics and agglomerates (Samples 90CJR046, 047). A detrital conglomerate is exposed in isolated segments along the western contact of the felsic dyke (Figures 7, 8a, 8b, 8c).

Limited hand-held plugger trenching of the felsic volcanics, the felsic dyke and breccia zone on the Arc 15 claim was completed. The felsic volcanics are overlain by a 1.5 m thick postglacial cohesive grey clay till which makes digging difficult. Although the lateral extent of this clay layer is unknown it would probably mask any soil geochemistry response from samples taken in the overlying soil in this area. At



looking SW at 145° Az.

LEGEND

x - rock grab sample

(see Fig. 5 for map location)

0 1 2 3 4 5 metres

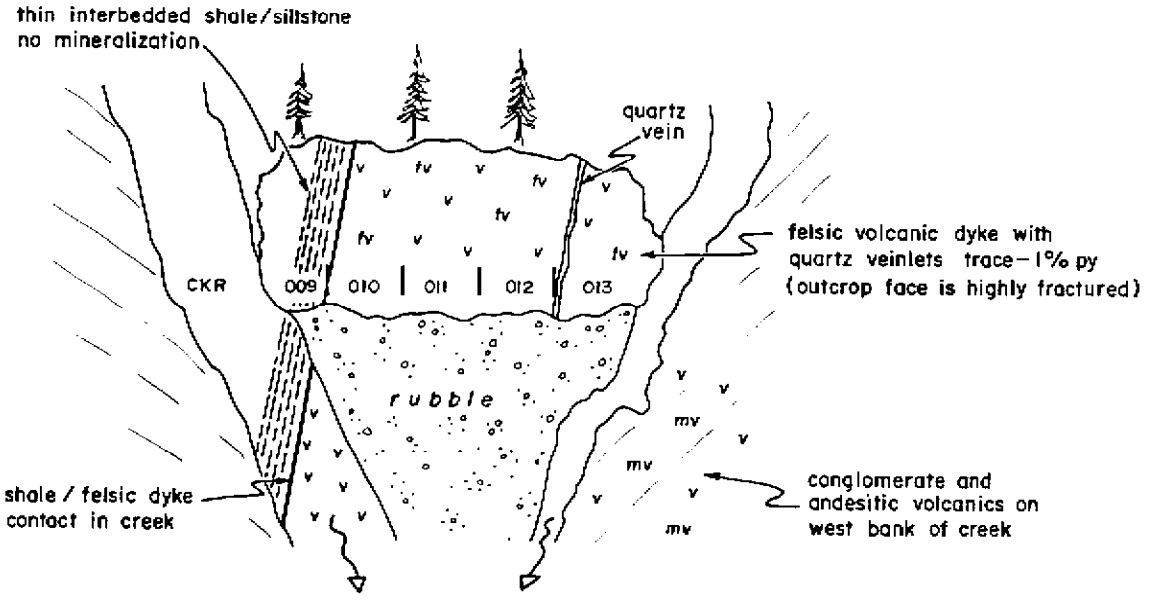
PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Trenching Site

- 1 -

M-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 100	N.T.S.: 104 B/10	FIGURE No: 8 a
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No: 90 BC 021	FILE No:

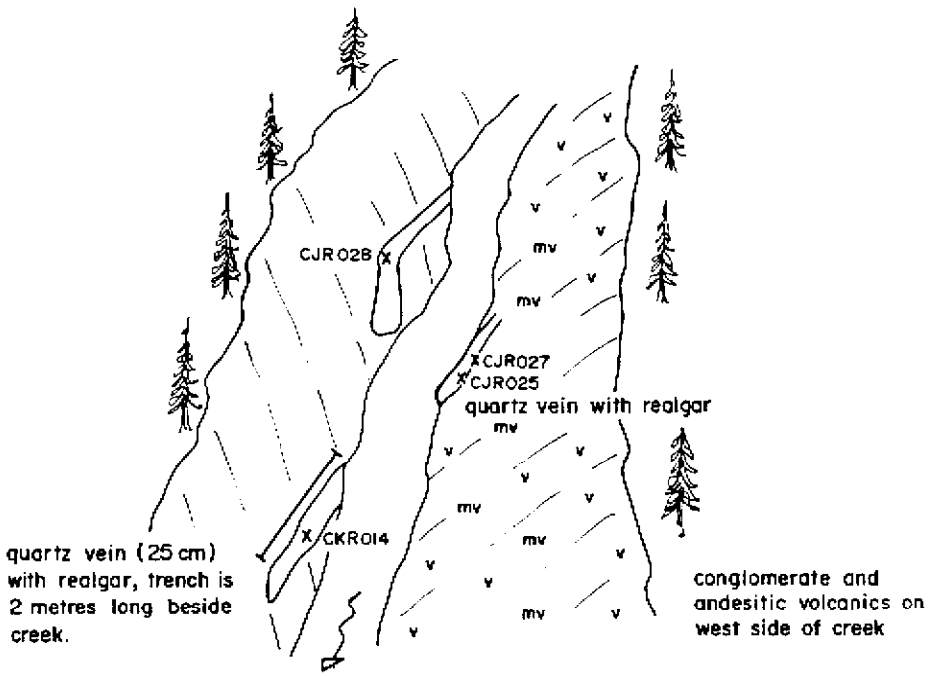


looking SW at 145° Az.

0 1 2 3 4 5 metres

PALMIERE CREEK PROPERTY			
ROCKRIDGE MINING CORPORATION MEADFIELD MINING CORPORATION			
Trenching Site **-2-**			
M-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 100	N.T.S.: 104 B/10	FIGURE No: 8b
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No: 90 BC 021	FILE No:

looking SW at 145° Az.



x – rock grab sample

0 1 2 3 4 5 metres

PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Trenching Site

- 3 -

HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 100	N.T.S.: 104 B/10	FIGURE No: 8 c
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No: 90 BC 021	FILE No:

site 1, the trenching exposed approximately 8 m of dacitic-tuffaceous, well bedded, felsic volcanics towards its upper contact with the sediments (Figure 8a). Up to 20% disseminated pyrite mineralization was noted within the felsic volcanics. Quartz veins and veinlets also contained up to 20% pyrite and 2% chalcopyrite. At site 2, approximately 4 m was exposed across the dyke-black siltstone/argillite contact. The dyke appears to be a type of fuchsite rich-flow breccia which is crosscut by quartz veins and veinlets. Only 1% pyrite mineralization was visible in hand specimens. The breccia zone, site 3, was trenched in one spot and appears to continue down dip. Up to 5% realgar and abundant orpiment staining was visible with some realgar crystals up to 0.5 cm in length.

3.0 PROPERTY GEOCHEMISTRY

The British Columbia Regional Geochemistry Survey # 18 (1988) shows five silt samples which were collected on the Palmiere Creek property (Figure 9). The following table presents the results recorded in these samples.

Sample #	Zn	Cu	Pb	Ag	As	Hg	Sb	Au
871203	220	49	15	0.2	26	110	4.1	10
873211	146	36	11	0.1	9	130	0.7	4
873212	140	40	15	0.2	15	160	0.9	1
873213	120	39	9	0.1	5	65	0.4	1
873214	225	54	14	0.2	13	125	1.6	3

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

Sample #871203 was collected from a creek which drains the sediments and the felsic volcanics on the northeastern side of Palmiere Creek and yielded anomalous Hg, Sb and elevated Au values. Anomalous Hg values were recorded in four of the samples.

A total of 12 bulk stream samples, 24 silt/soil samples and 232 rock samples were collected during the 1990 program. The bulk stream samples were taken on the all of the claims to sample the major drainages near the base of the creeks. The sample descriptions and analytical data are presented in Appendices III and IV respectively.

Very anomalous Hg values (1560 ppb in 90CJH002 and 3600 ppb in 90CDH003) were obtained in two of the bulk stream samples and elevated Hg values were recorded in 8 of the remaining samples. Sample 90CDH003 also contained elevated Zn (350 ppm), Cu (250 ppm) and Ba (860 ppm) values. This sample was collected from a stream which drains Bowser Lake Group sediments which are intensely deformed. The highest Au value recorded (545 ppb) was from sample 90CJH001 which was collected on the southeast side of the saddle area.

In the rock samples the highest Au value of 410 ppb was recorded from grab sample 90CPR085 of a felsic dyke adjacent to the inferred upper contact of the rhyolitic/dacitic felsic volcanics near Palmiere Creek (Figure 9). Two other rock grab samples from this dyke yielded anomalous Au values of 75 ppb (90CPR086) and 45 ppb (90CPR087).

On the north facing slope of the saddle area anomalous gold values, up to 100 ppb (90CJR040), were recorded from rock grab samples of brecciated argillite/siltstone, felsic volcanics, quartz/carbonate/siltstone and realgar bearing breccia. Trench grab samples from this area did not yield anomalous Au values but highly anomalous arsenic and mercury values were recorded. Trench rock grab sample 90CKR014 yielded a Hg value of 3,000 ppb and 1.4% As.

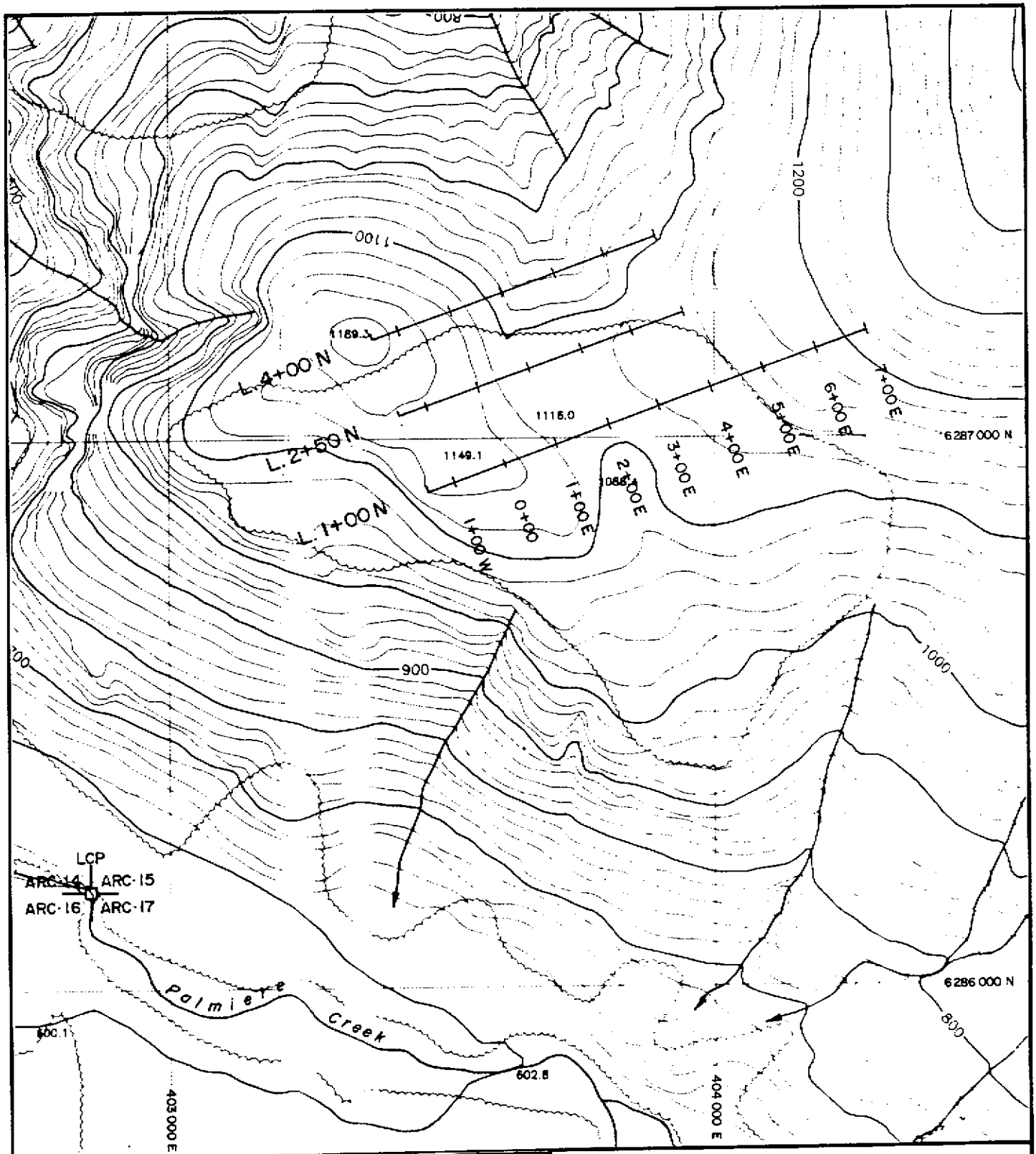
An arsenic value of 3% was recorded from a rock grab sample (90CJR027) of the quartz breccia realgar bearing zone. This also contained 16,000 ppb Hg, 150 ppm Sb, 210 ppm Ba and 25 ppb Au. Anomalous barium values are associated with some of the rock grab samples in the realgar bearing breccia zone. Values of up to 2,400 ppm Ba (90CJR028) were recorded. Elevated Sb values up to 55 ppm (Figure 8b) are associated with the felsic dyke (samples 90CKR009-013).

The highest lead and zinc values recorded were obtained from a float sample (90CJR039) collected in the creek adjacent to the felsic dyke contact zone. This sample is very similar to 90CJR040 and is considered to be close to source. Values of 32 ppm Cu, 2500 ppm Pb and 4500 Zn were recorded from float sample 90CJR039. Rock grab sample 90CJR040 yielded anomalous values of 180 ppm Cu, 120 ppm Pb and 590 ppm Zn.

4.0 PROPERTY GEOPHYSICS

Three test lines, spaced 150 m apart and totalling 2 km, were surveyed in the saddle area (Figure 10a) using an EDA Omni-plus VLF-EM/Magnetometer system. The test lines were oriented at 070^0 nearly perpendicular to the stratigraphic trend. The VLF transmitting Station used was Jim Creek, Washington, USA at a frequency of 24.8 kHz. The geophysical survey raw data is included in Appendix V.

Good VLF crossovers were recorded (Figure 10b) on each line in the inferred contact zone of the mafic and felsic volcanics. The amount of crossover may be interpreted as a fault controlled contact. A magnetic high coincides with the incoming of mafic-intermediate



PALMIERE CREEK PROPERTY

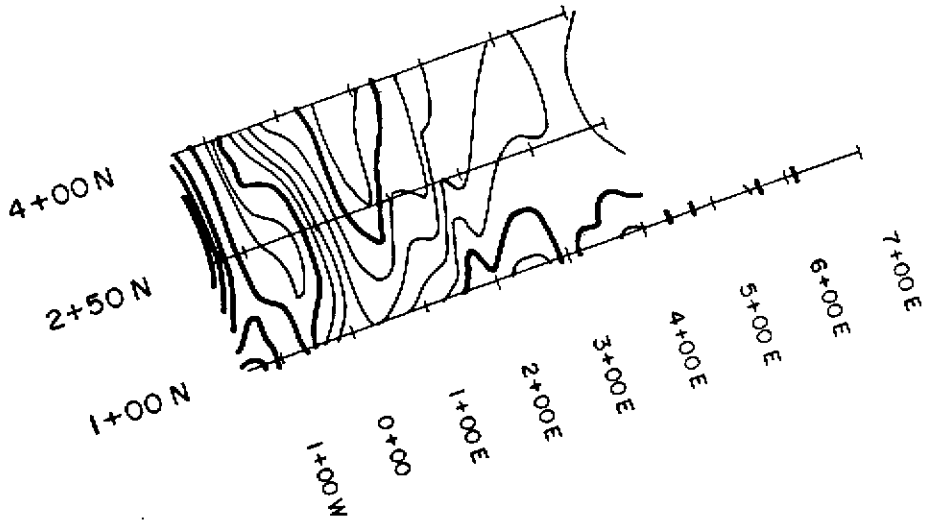
ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Geophysical Grid Location Map

M-TEC RESOURCE MANAGEMENT LTD	SCALE: 1 : 10,000	N.T.S.: 104 B/10	FIGURE No: 10a
	DWN. BY:	DATE: Aug. '90	
	CHKD. BY:	PROJECT No: 90BC021	FILE No:

TOTAL FIELD MAGNETICS

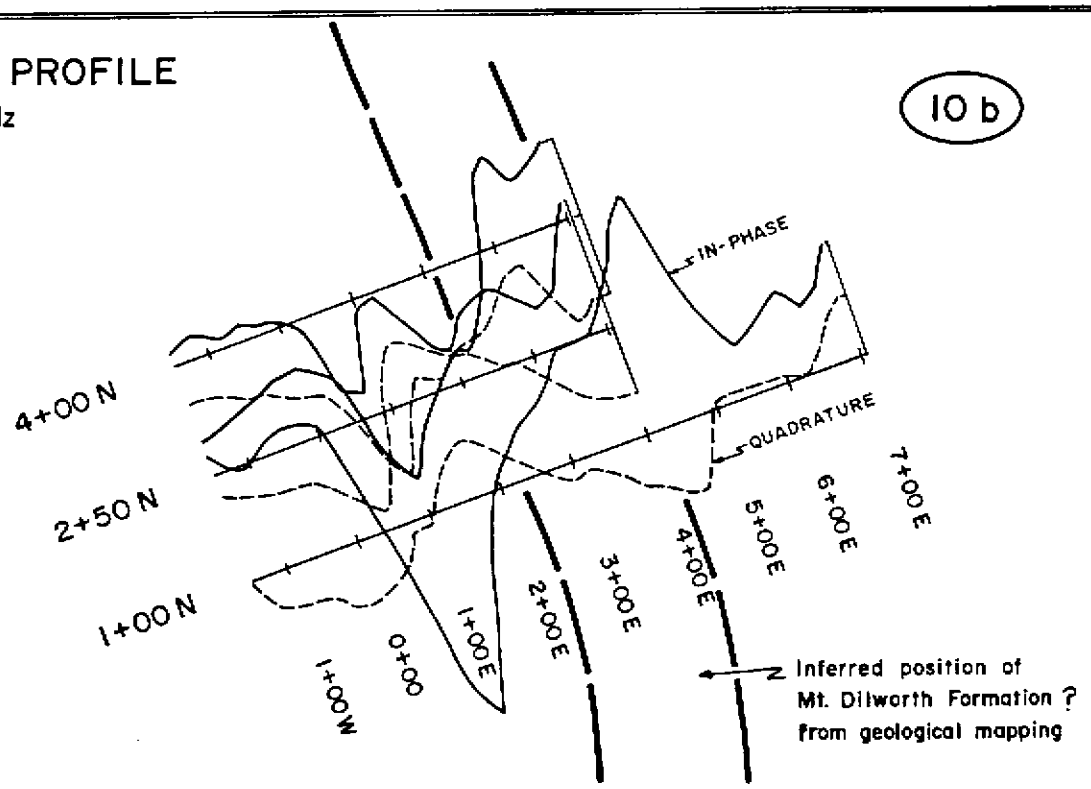
10 c

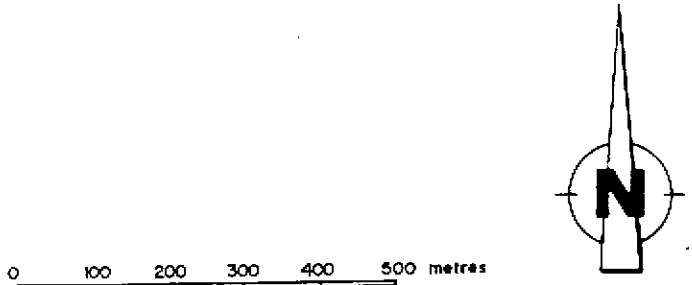


VLF-EM PROFILE

Freq. 24.8 Hz

10 b





PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

GROUND GEOPHYSICS

Total Field Magnetics and VLF-EM Profiles

IN-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1:10,000	N.T.S.: 104 B/10	FIGURE No: 10 b,c
DWN. BY:	DATE: Aug. '90	
CHKD. BY:	PROJECT No: 90BC021	FILE No:

volcanics into the sequence to the west of this zone (Figure 10c).

5.0 DISCUSSION

The Palmiere Creek property is underlain by a sequence of mafic/intermediate volcanics overlain by a felsic volcanic unit and sedimentary rocks which are in part correlated with the Bowser Lake Group.

Mapping and dating was conducted by Read et al. (1989) in the Palmiere Creek area. Although pillow lavas were not mapped in the volcanic sequence on the northeast side of Palmiere Creek during the 1990 Hi-Tec mapping, dating of discrete localities in the property area by Read et al. (1989) implies that an unconformable or fault contact occurs between the Middle Triassic volcanics on the southwestern side of Palmiere Creek and the Middle Jurassic sediments (and mafic/intermediate volcanics?) on the northeastern side. Read et al. (1989) have classified the sediments as Bowser Lake Group based on one fossil locality 500m to the south of the Arc 2 claim.

Most of the 1990 Hi-Tec work was focused on the northeastern portion of the Arc 15 claim. This area forms a saddle-like depression between outcrops of mafic to intermediate andesitic volcanics on the west side and black siltstones with interbedded brown weathering sandy/tuffaceous laminae on the eastern side. Outcrops of mineralized felsic volcanics and breccia with realgar and orpiment mineralization occur between these two suites of rocks. It has not been determined whether the low-temperature realgar mineralization, on the Palmiere Creek property, is associated solely with the felsic dyke emplacement or

with the local stratigraphy. There is a correlation between high arsenic and high mercury values in the quartz-realgar breccia zone. Anomalous barium values are associated with this zone in some of the rock grab samples. Elevated Sb values are associated with the felsic dyke (samples 90CKR009-013). Values of up to 100 ppb Au were recorded from rock grab samples in the rhyolitic/siltstone/realgar-quartz-breccia/felsic dyke zone.

1.6 kilometers to the southeast, three anomalous gold values (up to 410 ppb in 90CPR085) were recorded higher up in the stratigraphy from a felsic dyke overlying the rhyolitic felsic volcanics on the north side of Palmiere Creek. It is possible that only one felsic dyke is present which outcrops in both zones and crosscuts the rhyolitic unit.

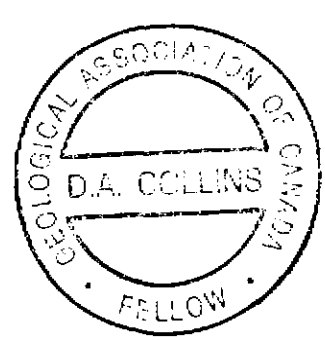
Three test lines of VLF-EM/Magnetometer were surveyed over the saddle area. These demonstrate that there is a magnetic and VLF response associated with the top of the mafic volcanics which may be interpreted as a fault or dyke contact. This correlates with the limited amount of exposure mapped in this zone.

Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD

DENIS A. COLLINS, Ph.D., P.Geol., F.G.A.C.

November 22, 1990



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APPENDIX I

STATEMENT 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 1,2,14,15,16,17 claims described herein, nor in securities of Meadfield Mining Corporation or Rockridge Mining Corporation, or any company associated with the property, nor do I expect to receive any such interest.

Dated in Vancouver, British Columbia, this 22th 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

APPENDIX II

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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 H2O. 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 H2O. The solution is run on the Atomic Absorption.

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

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 CREEK PROPERTY 908C021

SAMPLE #	ROCK TYPE	SAMPLE TYPE	MINERALIZATION	FEATURE	CLAIM	RECORD #
90CDH001		Bulk stream			Arc 2	5610
90CDH002		Bulk stream			Arc 2	5610
90CDH003		Bulk stream			Arc 2	5610
90CDR001	Blk Si/sst	Rock grab		bdg,v, N dip	Arc 2	5610
90CDL001		Silt			Arc 2	5610
90CDL002		Silt			Arc 2	5610
90CDH004		Bulk Stream			Arc 2	5610
90CDR002	Qtz vein	Float	pyrrhotite		Arc 2	5610
90CDR003	Poly cong,clast 0.5cm, ang. chrt pbls.NE	Rock grab	limonite staining	bdg,veinlets	Arc 2	5610
90CTR001	Blk si/sst of Salmon R.Fm, thinly bdd	Rock grab	1% py in places	qtz veinlets	Arc 2	5610
90CTR002	Pale gy sst,qtz veinlets orn NW, 4cm	Rock grab		qtz veinlets	Arc 2	5610
90CDR004	FU cong - sst abund. qtz veining, bdg N	Rock grab		bdg	Arc 2	5610
90CDR005	Qtz, sst	Float		Shearing	Arc 2	5610
90CDR006	Dk gy si w abund qtz veining	Rock grab	limonite	shearing	Arc 2	5610
90CDR007	Qtz in sst v. contorted,	Rock grab		Bdg E	Arc 2	5610
90CDR008	Brown sst, blk si interbedded, 10cm boud	Rock grab	Fe/Mn staining	boudinage E	Arc 2	5610
90CTR003	Blk si/sst	Rock grab		veinlets	Arc 2	5610
90CTR004	Blk si/sst interbedded, bdg paral qtz v	Rock grab		qtz veinlets	Arc 2	5610
90CTR005	Blk siltstone SRF	Rock grab	Fe/Mn	bdg	Arc 2	5610
90CDL003		Silt			Arc 2	5610
90CDL004		Silt			Arc 2	5610
90CDR009	Blk si/brown sst	Float	trace pyrite	qtz vein	Arc 2	5610
90CDR010	Brown sst with 2 cm qtz veins	Rock grab	trace GN?	qtz vein	Arc 2	5610
90CDR011	Br sst med grained gossanous	Rock grab			Arc 2	5610
90CTR007	Slightly calc. brown shale	Float			Arc 2	5610
90CTR008	Slightly Calc brown shale	Rock grab			Arc 2	5610
90CTR009	V.sil epicl volc.	Rock grab			Arc 15	5657
90CDR012	Sil andesite dark green	Float			Arc 15	5657
90CDR013	Gr/gy sil andesite	Float	< 2% py dissem		Arc 15	5657
90CDR014	Sil aphan epiclastic volc, carbon patchs	Rock grab	1-2% dissm py	o/c	Arc 15	5657
90CDR015	Fine grained dacitic? volc no banding	Rock grab	tr. calcite cryst	o/c	Arc 15	5657
90CDR016	More sil. dk gy/gr andesitic volc.	Rock grab	tr 1% py		Arc 15	5657
90CDR017	Sil pale gy mottled volc. (carbon?)	Rock grab	Tr py		Arc 15	5657
90CTR010	Sil gy mottled volc	Rock grab			Arc 15	5657
90CTR011	Sil gy volc massive	Rock grab			Arc 15	5657
90CDH005		Bulk Stream			Arc 15	5657
90CDR018	Qtz vein in Blk si	Float		Bdg NE	Arc 15	5657
90CTR012	Blk si/sst interbdd heterolitic type	Rock grab			Arc 15	5657
90CTR013	Andesite	Float			Arc 15	5657
90CTR014	No sample					0
90CDR019	Andesite	Float			Arc 15	5657
90CDR020	Blk si close slaty cleavage	Rock grab		bdg N?	Arc 15	5657
90CTR015	Sst with qtz veinlets in folded SRF	Rock grab			Arc 15	5657
90CDR021	Matrix supp. cong. clsts <1cm, qtz+chrt	Float			Arc 15	5657
90CTL001		Silt			Arc 15	5657
90CDR022	Sil Andesite non clac	Float			Arc 15	5657
90CDR023	Sil Felsic Rhyolite banded light gy/mar	Float Mt.Dil	10% dissm py,tr cp GN		Arc 15	5657
90CDR024	As above	Float			Arc 15	5657
90CTL002	collected in creek with Mt. Dil. float	Silt			Arc 15	5657

90CDR025	Sst in creek.med grained	Float?			Arc 15	5657
90CDR026	Sil Felsic volc. dissm py <5% rhyolitic	Rock grab	<5% pyr	bdg? E	Arc 15	5657
90CDR027	Sil felsic volc. well bnded-gy/maroon	Rock grab	2% dissm py		Arc 15	5657
90CDR028	Qtz vein 6 cm in felsic volc	Rock grab	py in vugs	vein	Arc 15	5657
90CDR029	Sil. felsic volc. well banded rhyolitic	Rock grab	5% dissm py	bdg	Arc 15	5657
90CDR030	Sil felsic volc	Rock grab	5% dissm py, tr GN?	bdg E?	Arc 15	5657
90CDR031	Qtz vein as in CDR 028	Rock grab	Tr py. in vugs		Arc 15	5657
90CDR032	Sil pale gy rhyolitic unit	Rock grab	dissm <3% py, tr GN?	bdg	Arc 15	5657
90CDR033	Sil rhyol.	Rock grab	dissm py		Arc 15	5657
90CDR034	Dk gy sil smds, epiclastic? Betty ck Fm?	Float			Arc 15	5657
90CDR035	Sil rhyolitic unit, thin 2mm qtz vein	Float	tr py in qtz vein	vein	Arc 15	5657
90CDR036	Ash like unit intensely cleaved	C/t?		cleavage	Arc 15	5657
90CDR037	Qtz float with vugs, some shale frags	Float			Arc 15	5657
90CTL002		Silt			Arc 15	5657
90CTR016	Green med grained volcanicIastic	Rock grab	1% py	qtz/carb vnl	Arc 15	5657
90CTR017	Green med grd. volcaniclastic, slgt calc	Rock grab	1% py		Arc 15	5657
90CTR018	Tuffaceous dark green vol.	Rock grab			Arc 15	5657
90CTR019	Tuffaceous volc. slightly calc.	Rock grab	1% py		Arc 15	5657
90CTR020	Tuff/breccia? volc	Float			Arc 15	5657
90CTR021	Sheared blk si, with qtz veinlets	Rock grab	fract. filled py	veinlets	Arc 15	5657
90CTR022	Felsic dike/blk si contact	Rock grab		dike	Arc 15	5657
90CTR023	Volcaniclastic	Rock grab			Arc 15	5657
90CTR024	Light gy, sil. volcaniclastic	Rock grab			Arc 15	5657
90CTR025	Qtz vein with realgar?	Rock grab	realgar	vein	Arc 15	5657
90CTL004		Silt			Arc 15	5657
90CTL005		Silt			Arc 15	5657
90CPH001		Bulk stream			Arc 1	5609
90CPS001		Soil			Arc 1	5609
90CJH001		Bulk stream			Arc 1	5609
90CPS002		Soil			Arc 1	5609
90CJH002		Bulk stream			Arc 1	5609
90CPH002		Bulk stream			Arc 1	5609
90CJH003		Bulk stream			Arc 1	5609
90CJH004		Bulk stream			Arc 16	5658
90CPR001	Polymictic congl.	Float	<1% py		Arc 16	5658
90CPR002	Grey andesitic breccia	Rock grab	2% py		Arc 16	5658
90CPB001	Grey smds tuff calc., calc clasts (<1cm)	Float	<1% py		Arc 17	5659
90CPB002	Grey andesite/tuff?	Rock grab			Arc 17	5659
90CJH005		Bulk stream			Arc 17	5659
90CPR003	Sil fine gr wacke interbdd silts	Rock grab		qtz veins	Arc 15	5657
90CPR004	Qtz vein interlyrd w shale 1-12mm	Float			Arc 15	5657
90CPR005	Sil greywacke xcut by qtz veinlet 5mm	Float		qtz vein	Arc 15	5657
90CPR006	Interbdd sh/ss rusted red along vein	Float	<1% py	qtz vein	Arc 15	5657
90CPR007	Qtz vein interlyrd w sh/altered ls? calc	Float		qtz vein	Arc 15	5657
90CPR008	Interbdd sh/si/ss rusted red & brown	Rock grab		bdg	Arc 15	5657
90CPR009	Qtz/cb vein 3-5cm interlyrd sh/alterd ls	Rock grab			Arc 15	5657
90CPR009A	Qtz veinlets <1-5mm	Rock grab			Arc 15	5657
90CPR010	Intbdd si/ss slightly calc	Rock grab		folded bdg	Arc 15	5657
90CPR011	Qtz/cb vein 4cm subpll to folded bdg	Rock grab			Arc 15	5657
90CPR012	Qtz vein 30cm incl. sh/altered ls? calc	Float			Arc 15	5657
90CPR013	Qtz vein 3-15cm in sil si/ss host	Rock grab		bdg	Arc 15	5657
90CPR014	Qtz/cb vein 5-15cm cb-alteration	Rock grab		vein	Arc 15	5657
90CPR015	Qtz vein in lenses red cb alteration	Rock grab		boudinage?	Arc 15	5657
90CPR016	Qtz vein	Rock grab			Arc 15	5657

90CPR017	Qtz vein 2-6cm intlyrd sh/si cb-altered	Rock grab		vein	Arc 15	5657
90CPG004	Qtz vein	Rock grab			Arc 15	5657
90CPR018	Lithic ss intbdd sh slightly calc	Rock grab			Arc 15	5657
90CPS004		Soil			Arc 15	5657
90CPR019	Lithic congl large sh clasts Fe/Mn stain	Float	<1% py		Arc 15	5657
90CPR020	Thinly bdd sh/si Fe/Mn staining	Rock grab	trace py	fracture	Arc 15	5657
90CPS003		Soil			Arc 15	5657
90CPR021	Qtz vein intlyrd sh Fe rusting	Float			Arc 15	5657
90CPR022	Qtz vein intlyrd sh	Float			Arc 15	5657
90CPR023	Poly congl slightly calc xcut qtz vein	Float		veins 5-12cm	Arc 15	5657
90CPR024	Qtz vein 5cm intlyrd sh slightly calc	Float			Arc 15	5657
90CPR025	Qtz veinlets 2-5mm intlyrd sh	Float			Arc 15	5657
90CPR026	Qtz veinlets intlyrd sh slightly calc	Float			Arc 15	5657
90CPR027	And volc qtz/cb veinlet 2mm weakly calc	Float	trace py		Arc 15	5657
90CPR028	And volc cb veinlets <1mm	Float	1% py		Arc 15	5657
90CPR029	Sil and volc	Float	1-2% py		Arc 15	5657
90CPR030	Qtz/cb? vein	Float			Arc 15	5657
90CPR031	Felsic volc qtz/cb? veinlet	Float			Arc 15	5657
90CPR032	Poly congl clasts <2cm cb? veinlet 2mm	Float	<1% py		Arc 15	5657
90CPR033	Aphan and volc qtz/cb? vein <1-5mm	Rock grab	2% py	vein	Arc 15	5657
90CPR034	Aphan and tuff? qtz/cb? veinlets	Rock grab	2-3% py		Arc 15	5657
90CPR035	Lithic grwke/ss/congl qtz/cb? veinlets	Rock grab		cleavage	Arc 15	5657
90CPR036	Intbdd sh/si slightly calc	Rock grab	trace py	bdg	Arc 15	5657
90CPR037	Intbdd sh/si/ss calc qtz veinlets <3mm	Rock grab	<1% py	bdg	Arc 15	5657
90CPR038	Olig. congl (pyrocl?) cb clasts 0.5-2cm	Float	trace py		Arc 15	5657
90CPR039	Pyrocl? euhed hex xls	Float	3% moly? graphite?		Arc 15	5657
90CPR040	Sil and tuff slightly calc	Float	<1% py		Arc 15	5657
90CPR041	Intbdd sh/si /ss	Rock grab			Arc 15	5657
90CPR042	Qtz vein 50cm intlyrd sh, cb altered	Rock grab		vein	Arc 15	5657
90CPR042A	Intbdd sh/si	Rock grab			Arc 15	5657
90CPR042B	Intbdd sh/si rusted red	Rock grab			Arc 15	5657
90CPR043	Convolute qtz vein intlyrd sh	Rock grab			Arc 15	5657
90CPR044	Ss horizon 50 cm intlyrd sh?	Rock grab			Arc 15	5657
90CPR045	Shale bed	Rock grab			Arc 15	5657
90CPR046	Convolute qtz veins intlyrd sh	Rock grab			Arc 15	5657
90CPR047	Fine gr ss qtz/cb veinlets <1-7mm	Rock grab	2% py disseminated		Arc 15	5657
90CPR048	Intbdd sh/si/ss qtz vein 5-15mm	Rock grab		bdg	Arc 15	5657
90CPS005		Soil			Arc 15	5657
90CJL001		Silt			Arc 15	5657
90CPS006		Soil			Arc 15	5657
90CPR049	Massive sh intbdd si	Rock grab			Arc 17	5659
90CPR050	Si xcut by qtz veins	Float			Arc 17	5659
90CPR051	Med gr sil ss slightly calc qtz veinlet	Float			Arc 17	5659
90CPR052	Sh/si beds qtz vein <1-20mm	Rock grab			Arc 17	5659
90CPR053	Intbdd sh/si intlyrd qtz veinlets	Rock grab			Arc 17	5659
90CJL002		Silt			Arc 17	5659
90CJL003		Silt			Arc 17	5659
90CJL004		Silt			Arc 17	5659
90CJL005		Silt			Arc 1	5609
90CPS008		Soil			Arc 1	5609
90CPR054	Sil fel volc	Float	2% py		Arc 1	5609
90CPR055	Fine intbds sh/si	Rock grab		bdg	Arc 1	5609
90CPR056	Intbdd sh/si/ss slightly calc	Rock grab			Arc 1	5609
90CPR057	Brown sil fel tuff highly altered	Float	2% py		Arc 17	5659

90CPR058	Intbdd sh/si slightly calc qtz vein 2cm	Rock grab		bdg	Arc 17	5659
90CPR059	Altered fel volc tuff?	Float	1% py		Arc 17	5659
90CPR060	Felsic volcanic	Float	3% py trace cpy		Arc 17	5659
90CPR061	L grey med gr ss slightly calc	Float			Arc 17	5659
90CPR062	Sil felsic volcanic	Float	2-3% py trace cpy		Arc 17	5659
90CPR063	Altered sil fel tuff	Float	1% py		Arc 17	5659
90CPR064	L grey fel flow banding & silghtly calc	Rock grab	5% py		Arc 17	5659
90CPR065	L grey flow brecc clasts 1-4cm calc	Rock grab	3-4% py		Arc 17	5659
90CPR066	Fel flow brecc	Rock grab	5% py		Arc 17	5659
90CPR067	L grey fel flow, banding slightly calc	Rock grab	5%		Arc 17	5659
90CPR068	Qtz vein 3cm brecciated	Rock grab	7% py <1% cpy		Arc 17	5659
90CPR069	Fel flow brecc 1-30cm	Rock grab	10% py		Arc 17	5659
90CPR070	Qtz vein 1-2cm	Rock grab	3% py		Arc 17	5659
90CPR071	L grey fel volc tuff? calc, carbon bands	Rock grab	<1% py		Arc 17	5659
90CPR072	Fel? volcanic slightly calc	Rock grab			Arc 17	5659
90CPS010		Soil			Arc 15	5657
90CPR073	Intbdd sh/si minlzd along bedding	Float	3% py	bdg	Arc 15	5657
90CPR074	Qtz vein 3cm intlyrd w sh	Rock grab		vein	Arc 15	5657
90CPR075	Sh xcut by qtz veinlet swarm <1-7mm	Rock grab	2% py		Arc 15	5657
90CPR076	Sh xcut by cb veinlets 1-3mm	Rock grab			Arc 15	5657
90CPR077	Blk shale	Rock grab	1% py		Arc 15	5657
90CPR078	Qtz vein 0.5-8cm	Rock grab		vein	Arc 15	5657
90CPR079	Qtz vein intlyrd w sh 0.3-50cm	Rock grab		bdg	Arc 15	5657
90CPR080	Thin intbds sh/si/ss xcut by cb veinlets	Rock grab	2% py	bdg/veinlets	Arc 15	5657
90CPR081	Intbdd sh/si/ss qtz vein 10cm calc	Rock grab	1% py	vein	Arc 15	5657
90CPR082	Fel volc (rhy?)	Float	2% py		Arc 15	5657
90CPR083	Qtz/cb veins <1-70mm in intbdd sh/si/ss	Rock grab	trace py		Arc 15	5657
90CPR084	Fel volc rhy qtz veinlet 3mm	Float	1% py disseminated		Arc 15	5657
90CPR085	Qtz veinlets 0.1-2cm	Rock grab			Arc 15	5657
90CPR086	Sh xcut by qtz/cb veinlets	Rock grab	trace py		Arc 15	5657
90CPR087	Fel dike qtz/cb veinlets <1-5mm carbon	Rock grab	1% py <1% cpy		Arc 15	5657
90CPR088	Qtz/cb vein 3cm intlyrd sh brecciated	Rock grab		vein	Arc 15	5657
90CPR089	Qtz vein 7cm in ss	Float			Arc 17	5659
90CPR090	D grey and slightly calc carbon	Rock grab	1-2% py		Arc 17	5659
90CPR091	Fel flow brecc very calc carbon	Rock grab	3% py trace cpy		Arc 17	5659
90CPR092	Qtz vein 0.5-5cm in and host	Rock grab			Arc 17	5659
90CPR093	Basaltic/andesitic pillows? calc	Rock grab	<1% py		Arc 17	5659
90CPR094	Grey and slightly calc	Rock grab	3% py		Arc 17	5659
90CPR095	Alt grn/grey and tuff cb vnlts Mn stain	Rock grab			Arc 16	5658
90CPR096	Congl clasts 0.3-3.5cm slightly calc	Float	trace py & ga		Arc 16	5658
90CPR097	grey/grn and slightly calc Fe/Mn stain	Rock grab	trace py		Arc 16	5658
90CPR098	grey/grn and tuff cb veinlets calc	Rock grab			Arc 16	5658
90CPR099	Alt red cb vein 3-25mm calc	Rock grab		vein	Arc 16	5658
90CPR100	Sil and pillow brecc nodule in sh	Rock grab	3% py		Arc 16	5658
90CPR101	Blk sh highly sheared	Rock grab		cleavage	Arc 16	5658
90CJR001	D grey and xcut by cb veinlets calc	Float	3% ga 2% py		Arc 16	5658
90CJR002	Grey and cb veinlet 5mm calc	Rock grab	2% py disseminated		Arc 16	5658
90CJR003	Congl clasts <1-8mm xcut cb vein 7mm	Rock grab	<1% py		Arc 16	5658
90CJR004	Sil grn and tuff calc cb veinlets	Rock grab	1-2% py		Arc 16	5658
90CJR005	Sil grn and tuff calc cb-veinlets	Rock grab	1-2% py <1% sphal?		Arc 16	5658
90CJR006	Grey/grn alt and slightly calc	Float	1% py		Arc 16	5658
90CJR007	Grey/purp and cb-veinlets <1-3mm calc	Float	2% py concentrated		Arc 16	5658
90CJR008	Grey/grn/purp calc and	Float	2% py		Arc 16	5658
90CJR009	Grey and calc cb-veinlets	Rock grab			Arc 16	5658

90CJR010	Grey/grn med gr and calc Fe/Mn stained	Rock grab			Arc 15	5657
90CJR011	Grey/grn and cb-veinlets slightly calc	Rock grab	1% py		Arc 15	5657
90CJR012	Grn med gr alt and, Fe/Mn stained	Float			Arc 15	5657
90CJR013	Sil fel volc xcut by qtz/cb veins calc	Rock grab	5% py		Arc 15	5657
90CJR014	Sil fel volc slightly calc	Float	2% py		Arc 15	5657
90CJR015	Sil fel volc,qtz/cb veins calc carbon	Rock grab	3-5% py <1% cpy	banding	Arc 15	5657
90CJR016	Sil fel volc qtz/cb veins slightly calc	Rock grab	5% py <1% ga		Arc 15	5657
90CJR017	Sil fel volc qtz/cb veins slightly calc	Rock grab	5-7% py		Arc 15	5657
90CJR018	Qtz vein minlzd in fel volc	Rock grab	2% py 1% cpy	vein	Arc 15	5657
90CJR019	Sil fel volc slightly calc	Rock grab	3% py		Arc 15	5657
90CJR020	Sil fel volc slightly calc	Rock grab	10% py		Arc 15	5657
90CJR021	Sil fel volc slightly volc	Rock grab	3% py		Arc 15	5657
90CJR022	Med gr ss calc qtz veins <1-5mm	Rock grab			Arc 15	5657
90CJR023	L grey/grn fel dike cb-veinlets calc	Rock grab	<1% py	dike	Arc 15	5657
90CPG003	Qtz/cb vein 1cm in sil fel volc	Rock grab	10% py & cpy	banding	Arc 15	5657
90CPG005	Qtz/cb vein 0.5-3.5cm in sil fel volc	Rock grab	3-5% py & cpy		Arc 15	5657
90CJR024	And brecc? tuff calc, qtz veins 3mm	Rock grab	3% py		Arc 15	5657
90CJR025	Fel brecc, sh clasts, calc, qtz veins	Rock grab	7% py		Arc 15	5657
90CJR026	And? brecc qtz-cb veins 1-15mm	Rock grab	1% py		Arc 15	5657
90CJR027	Qtz vein 0.3-50cm with cinnabar?	Rock grab	5% ga 5%hg 2%py		Arc 15	5657
90CJR028	Qtz vein <1-40mm	Rock grab	2% ga <1% py		Arc 15	5657
90CJR029	Fel volc tuff? qtz veinlets	Rock grab			Arc 15	5657
90CJR030	Brecc tuff felsic?	Rock grab			Arc 15	5657
90CJR031	Qtz/cb veinlets in and? volc	Rock grab			Arc 15	5657
90CJR032	Intbdd sh/si minlzd in lenses	Rock grab	5% py		Arc 15	5657
90CJR033	Fel brecc? tuff clasts <25mm	Rock grab	1% py		Arc 15	5657
90CJR034	Fel volc qtz vein 2cm	Rock grab	20% py,sp & cpy ga?		Arc 15	5657
90CJR035	Intbdd sh/si/ss	Rock grab		bdg	Arc 15	5657
90CJR036	Qtz vein with cinnabar (see CTR025)	Rock grab			Arc 15	5657
90CJR037	Felsic volc. gy, with 1cm veinlet all py	Rock grab	smeared py along v'n	vein N dip	Arc 15	5657
90CJR038	Felsic vol. + 5cm qtz vein+abund. py	Float	5% py diss+blebs-qtz	vein	Arc 15	5657
90CJR039	5cm qtz vein+frags of blk argillite host	Float	Blebs Gn, py	Vein	Arc 15	5657
90CJR040	Breccia zone + qtz in blk argillite	Rock grab	Tr Gn, py in nodules	Breccia zone	Arc 15	5657
90CJR041	Dk gy volcaniclastic, cont. of Arg/volc?	Rock grab	Disseminated Py 3%	Contact zone	Arc 15	5657
90CJR042	Volc. to argillite-indurated.Tectonized	Chip 1m		Contact E dp	Arc 15	5657
90CJR043	Felsic dike/blk argillite, gouge, tectz.	Rock grab		Dike E dip	Arc 15	5657
90CJR044	Blk argillite,contact with felsic dike	Rock grab		Dike E dip	Arc 15	5657
90CJR045	Pale gy vol-clastic with calcite pods	Rock grab		N contact	Arc 15	5657
90CJR046	Tuffaceous, E side gully with dike	Rock grab	5% py, 2% cp, cinnab	Melange/dike	Arc 15	5657
90CJR047	Pale gy tuffaceous unit, soft, Betty CK?	Rock grab			Arc 15	5657
90CKR001	Sil l gry fel volc calc qtz veinlets	Trench grab	10% py		Arc 15	5657
90CKR002	Sil l gry fel volc qtz vein 2.5 cm	Trench grab	20% py 2% cpy	Vein	Arc 15	5657
90CKR003	Sil l gry fel volc calc qtz veinlets	Trench grab	5% py		Arc 15	5657
90CKR004	Sil l gry fel volc calc qtz veinlets	Trench grab	5% py		Arc 15	5657
90CKR005	Sil l gry fel volc calc qtz veinlets	Trench grab	5% py on fractures	Fractures	Arc 15	5657
90CKR006	Sil l gry fel volc calc qtz veinlets	Trench grab	5% py		Arc 15	5657
90CKR007	Sil l gry fel volc calc qtz veinlets	Trench grab	5% py		Arc 15	5657
90CKR008	Sil l gry fel volc calc qtz veinlets	Trench grab	5% py		Arc 15	5657
90CKR009	Thinly intbdd sh/si very siliceous	Trench grab		On contact	Arc 15	5657
90CKR010	Sil fel breccia tuff slightly calc	Trench grab	Trace py	Qtz veinlets	Arc 15	5657
90CKR011	Sil fel breccia tuff (sheared) calc	Trench grab	1% py	Qtz veinlets	Arc 15	5657
90CKR012	Sil fel breccia tuff slightly calc	Trench grab	1% py	Qtz veinlets	Arc 15	5657
90CKR013	Sil fel breccia tuff qtz vein 4 cm calc	Trench grab	1% py	Qtz veinlets	Arc 15	5657
90CKR014	Qtz vein 20 cm thick	Trench grab	2% py 2% realgar	quartz vein	Arc 15	5657

APPENDIX IV

ANALYTICAL DATA

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. S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF: Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CPR 001	10
90 CPR 002	<5
90 CPR 003	<5
90 CPR 004	<5
90 CPR 005	<5
90 CPR 006	<5
90 CPR 007	<5
90 CPR 008	<5
90 CPR 009	<5
90 CPR 009A	<5
90 CPR 010	<5
90 CPR 011	<5
90 CPR 012	<5
90 CPR 013	<5
90 CPR 014	<5
90 CPR 015	<5
90 CPR 016	<5
90 CPR 017	<5
90 CPR 018	<5
90 CPR 019	<5

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

Jul 23/90

SIGNED Bernie Ouna

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

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

REPORT No.
S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CPR 020	<5
90 CPR 021	<5
90 CPR 022	<5
90 CPR 023	<5
90 CPR 024	<5
90 CPR 025	<5
90 CPR 026	<5
90 CPR 027	<5
90 CPR 028	<5
90 CPR 029	<5
90 CPR 030	<5
90 CPR 031	<5
90 CPR 032	<5
90 CPR 033	<5
90 CPR 034	<5
90 CPR 035	<5
90 CPR 036	<5
90 CPR 037	<5
90 CPR 038	<5
90 CPR 039	<5

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

Jul 23/90

SIGNED Bernie Dunn

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. S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CPR 040	<5
90 CPR 041	<5
90 CPR 042	<5
90 CPR 042A	<5
90 CPR 042B	<5
90 CPR 043	20
90 CPR 044	<5
90 CPR 045	<5
90 CPR 046	<5
90 CPR 047	<5
90 CPR 048	<5
90 CPR 049	<5
90 CPR 050	<5
90 CPR 051	<5
90 CPR 052	<5
90 CPR 053	<5
90 CPR 054	<5
90 CPR 055	<5
90 CPR 056	<5
90 CPR 057	<5

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

CERTIFICATE OF ANALYSIS

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

REPORT No. S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CPR 058	<5
90 CPR 059	<5
90 CPR 060	<5
90 CPR 061	<5
90 CPR 062	<5
90 CPR 063	<5
90 CPR 064	<5
90 CPR 065	<5
90 CPR 066	5
90 CPR 067	<5
90 CPR 068	<5
90 CPR 069	10
90 CPR 070	10
90 CPR 071	<5
90 CPR 072	<5
90 CDR 001	<5
90 CDR 002	<5
90 CDR 003	<5
90 CDR 004	<5
90 CDR 005	10

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REPORT No. S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CDR 006	<5
90 CDR 007	<5
90 CDR 008	<5
90 CDR 009	<5
90 CDR 010	<5
90 CDR 011	<5
90 CDR 012	<5
90 CDR 013	<5
90 CDR 014	<5
90 CDR 015	<5
90 CDR 016	<5
90 CDR 017	<5
90 CDR 018	10
90 CDR 019	<5
90 CDR 020	<5
90 CDR 021	<5
90 CDR 022	<5
90 CDR 023	<5
90 CDR 024	<5
90 CDR 025	<5

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REPORT No. S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF: Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CDR 026	<5
90 CDR 027	<5
90 CDR 028	<5
90 CDR 029	<5
90 CDR 030	<5
90 CDR 031	<5
90 CDR 032	<5
90 CDR 033	<5
90 CDR 034	<5
90 CDR 035	<5
90 CDR 036	<5
90 CDR 037	<5
90 CPG 001	<5
90 CPG 002	<5
90 CPG 004	<5
90 CTR 001	<5
90 CTR 002	<5
90 CTR 003	<5
90 CTR 004	<5
90 CTR 005	<5

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REPORT No.
S9176

INVOICE #: 14262
P.O.: R-2001

SAMPLE(S) OF Rock

D. Collons
Project: 90 BC 021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb
90 CTR 006	<5
90 CTR 007	<5
90 CTR 008	<5
90 CTR 009	<5
90 CTR 010	<5
90 CTR 011	<5
90 CTR 012	<5
90 CTR 013	<5
90 CTR 015	<5

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REPORT No. S9187

INVOICE #: 14266
P.O.: R-2006

SAMPLE(S) OF Rock

D. Collins
Project: 90 BC 021

REMARKS: Hi-Tec Resources Management Ltd.

	Au ppb
90 CPR 095	<5
90 CPR 096	5
90 CPR 097	20
90 CPR 098	<5
90 CPR 099	<5
90 CPR 100	5
90 CPR 101	25
90 CJR 001	<5
90 CJR 002	5
90 CJR 003	<5
90 CJR 004	<5
90 CJR 005	<5
90 CJR 006	5
90 CJR 007	<5
90 CJR 008	<5
90 CJR 009	15

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REPORT No. S9186

INVOICE #: 14270
P.O.: R-2004

SAMPLE(S) OF Rock

D. Collins
Project: 90 BC 021

REMARKS: Hi-Tec Resources Management Ltd.

	Au ppb
90 CPR 072	<5
90 CPR 073	<5
90 CPR 074	<5
90 CPR 075	<5
90 CPR 076	<5
90 CPR 077	<5
90 CPR 078	<5
90 CPR 079	<5
90 CPR 080	<5
90 CPR 081	<5
90 CPR 082	10
90 CPR 083	<5
90 CPR 084	<5
90 CPR 085	410
90 CPR 086	75
90 CPR 087	45
90 CPR 088	<5
90 CPR 089	<5
90 CPR 090	<5
90 CPR 091	<5

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REPORT No. S9186

INVOICE #: 14270
P.O.: R-2004

SAMPLE(S) OF: Rock

D. Collins
Project: 90 BC 021

REMARKS: Hi-Tec Resources Management Ltd.

	Au ppb
90 CPR 092	<5
90 CPR 093	15
90 CPR 094	<5
90 CTR 016	<5
90 CTR 017	<5
90 CTR 018	<5
90 CTR 019	<5
90 CTR 020	10
90 CTR 021	85
90 CTR 022	<5
90 CTR 023	<5
90 CTR 024	<5
90 CTR 025	5

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REPORT No. S9248

INVOICE #: 14338
P.O.: R-2038

SAMPLE(S) OF Rock

D. Collins
Project: 90BC021

REMARKS: Hi - Tec Resource

	Au ppb
90-CJR-010	<5
90-CJR-011	<5
90-CJR-012	20
90-CJR-013	10
90-CJR-014	<5
90-CJR-015	40
90-CJR-016	<5
90-CJR-017	<5
90-CJR-018	45
90-CJR-019	<5
90-CJR-020	<5
90-CJR-021	<5
90-CJR-022	<5
90-CJR-023	<5
90-CJR-024	<5
90-CJR-025	10
90-CJR-026	<5
90-CJR-027	25
90-CJR-028	10
90-CJR-029	<5

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REPORT No. S9248

INVOICE #: 14338
P.O.: R-2038

SAMPLE(S) OF Rock

D. Collins
Project: 90BC021

REMARKS: Hi - Tec Resource

	Au ppb
90-CJR-030	5
90-CJR-031	<5
90-CJR-032	5
90-CJR-033	<5
90-CJR-034	45
90-CJR-035	10
90-CJR-036	<5
90-CJR-037	5
90-CJR-038	80
90-CJR-039	55
90-CJR-040	100
90-CJR-041	5
90-CJR-042	10
90-CJR-043	5
90-CJR-044	10
90-CJR-045	<5
90-CJR-046	15
90-CJR-047	<5
90-CPG-003	10
90-CPG-005	35

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REPORT No. S9288

INVOICE #: 14373
P.O.: R-2034

SAMPLE(S) OF Soils

D. Collins
Project: 90-BC-021

REMARKS: Hi - Tec Resources

	Au ppb
90-CPS-001	<5
90-CPS-002	5
90-CPS-003	75
90-CPS-004	<5
90-CPS-005	<5
90-CPS-006	<5
90-CPS-007	5
90-CPS-008	<5
90-CDL-001	<5
90-CDL-002	<5
90-CDL-003	10
90-CDL-004	<5
90-CTL-001	<5
90-CTL-002	5
90-CTL-003	5
90-CJL-001	5
90-CJL-002	10
90-CJL-003	15
90-CJL-004	90
90-CJL-005	10

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V6C 2X6

REPORT No. S9288

INVOICE #: 14373
P.O.: R-2034

SAMPLE(S) OF Soils

D. Collins
Project: 90-BC-021

REMARKS: Hi - Tec Resources

	Au ppb
90-CJL-005A	45

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REPORT No. S9490

INVOICE #: 14560
P.O.: R-2038

SAMPLE(S) OF Rock

D. Collins
Project: 90BC021

REMARKS: Hi - Tec Resource

	Hg ppb
90-CJR-010	<10
90-CJR-011	<10
90-CJR-012	<10
90-CJR-013	<10
90-CJR-014	<10
90-CJR-015	<10
90-CJR-016	<10
90-CJR-017	<10
90-CJR-018	<10
90-CJR-019	<10
90-CJR-020	<10
90-CJR-021	<10
90-CJR-022	<10
90-CJR-023	<10
90-CJR-024	730
90-CJR-025	50
90-CJR-026	20
90-CJR-027	16,000
90-CJR-028	330
90-CJR-029	80

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REPORT No. S9490

INVOICE #: 14560
P.O.: R-2038

SAMPLE(S) OF: Rock

D. Collins
Project: 90BC021

REMARKS: Hi - Tec Resource

	Hg ppb
90-CJR-030	<10
90-CJR-031	<10
90-CJR-032	190
90-CJR-033	10
90-CJR-034	280
90-CJR-035	1,100
90-CJR-036	40
90-CJR-037	<10
90-CJR-038	<10
90-CJR-039	170
90-CJR-040	150
90-CJR-041	20
90-CJR-042	160
90-CJR-043	<10
90-CJR-044	210
90-CJR-045	<10
90-CJR-046	170
90-CJR-047	50
90-CPG-003	40
90-CPG-005	10

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REPORT No.
S9339

INVOICE #: 14565
P.O.: R-2091

SAMPLE(S) OF Rock

P. Daigle
Project: 90-BC-21

REMARKS: Hi Tec Resources

	Au ppb	Hg ppb
90-CKR-001	<5	70
90-CKR-002	<5	50
90-CKR-003	<5	40
90-CKR-004	<5	60
90-CKR-005	<5	30
90-CKR-006	<5	40
90-CKR-007	<5	40
90-CKR-008	<5	60
90-CKR-009	<5	420
90-CKR-010	<5	80
90-CKR-011	<5	40
90-CKR-012	<5	60
90-CKR-013	<5	40
90-CKR-014	<5	3000

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ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9176 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 010	90 CPR 011	90 CPR 012	90 CPR 013	90 CPR 014	90 CPR 015	90 CPR 016	90 CPR 017	90 CPR 018	90 CPR 019
Aluminum	[Al]	12000	6600	740	2500	2100	3000	500	7500	6600	15000
Iron	[Fe]	36000	15000	16000	10000	25000	39000	11000	20000	31000	26000
Calcium	[Ca]	60000	90000	35000	12000	60000	97000	22000	19000	48000	3000
Magnesium	[Mg]	8000	6200	6100	3600	7400	8500	4200	4600	6900	5600
Sodium	[Na]	80	30	50	50	40	50	60	30	140	140
Potassium	[K]	620	140	150	120	230	240	140	230	610	690
Titanium	[Ti]	9	< 1	2	4	1	< 1	1	7	8	38
Manganese	[Mn]	1300	820	770	480	1500	2600	650	590	1000	230
Phosphorus	[P]	190	< 2	24	110	92	< 2	46	80	200	370
Barium	[Ba]	62	47	21	23	36	84	35	48	64	95
Chromium	[Cr]	75	36	80	110	49	20	83	73	42	74
Zirconium	[Zr]	5	< 1	< 1	< 1	2	4	1	2	4	3
Copper	[Cu]	28	16	3	12	13	7	9	35	13	26
Nickel	[Ni]	110	36	10	14	16	17	7	48	44	67
Lead	[Pb]	7	6	3	15	17	14	8	57	7	9
Zinc	[Zn]	54	45	13	25	30	28	13	92	43	67
Vanadium	[V]	20	9	2	5	3	4	2	11	14	26
Strontium	[Sr]	310	1300	840	200	1300	1300	360	210	240	25
Cobalt	[Co]	10	3	1	1	2	1	< 1	4	6	11
Molybdenum	[Mo]	< 2	< 2	< 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]	10	10	10	< 5	10	15	< 5	< 5	15	5
Yttrium	[Y]	7	4	4	2	5	13	2	3	9	4
Scandium	[Sc]	6	1	< 1	< 1	2	3	< 1	1	4	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]	50	20	10	< 10	40	80	< 10	40	40	20
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	45	40	25	15	40	60	20	20	30	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	25	25	< 5	10	5	10	< 5	15	15	40
Holmium	[Ho]	10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Denn

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T.S.L. REPORT No. : S - 9176 - 3
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 020	90 CPR 021	90 CPR 022	90 CPR 023	90 CPR 024	90 CPR 025	90 CPR 026	90 CPR 027	90 CPR 028	90 CPR 029
Aluminum	[Al]	14000	2800	1900	1400	2500	5700	4900	17000	3400	6100
Iron	[Fe]	32000	13000	17000	13000	8300	10000	11000	31000	26000	20000
Calcium	[Ca]	500	280	9900	67000	17000	98000	25000	18000	32000	14000
Magnesium	[Mg]	4900	1400	2700	4700	4400	3400	3000	5300	4300	4200
Sodium	[Na]	130	50	160	150	60	60	50	160	180	210
Potassium	[K]	670	160	840	760	150	120	430	1300	1800	750
Titanium	[Ti]	15	9	6	< 1	3	< 1	7	15	6	12
Manganese	[Mn]	95	310	250	730	220	1300	290	830	1000	470
Phosphorus	[P]	380	68	260	170	68	< 2	88	790	1000	1100
Barium	[Ba]	41	17	88	95	16	17	44	110	110	47
Chromium	[Cr]	51	98	61	42	84	62	97	24	14	45
Zirconium	[Zr]	3	< 1	3	2	1	2	< 1	2	3	2
Copper	[Cu]	44	8	10	9	11	10	9	9	20	22
Nickel	[Ni]	40	19	33	24	11	15	26	4	2	11
Lead	[Pb]	9	2	11	8	3	< 1	5	8	5	7
Zinc	[Zn]	64	72	48	26	20	71	46	78	66	90
Vanadium	[V]	24	8	10	3	4	8	6	31	24	37
Strontium	[Sr]	8	4	130	900	280	1300	200	83	110	58
Cobalt	[Co]	5	1	8	5	< 1	< 1	4	8	8	6
Molybdenum	[Mo]	< 2	4	< 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]	10	< 5	5	5	< 5	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	3	2	5	9	2	9	11	7	11	10
Scandium	[Sc]	4	< 1	2	2	< 1	2	1	2	4	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]	80	< 10	< 10	< 10	< 10	< 10	< 10	80	< 10	< 10
Arsenic	[As]	< 5	< 5	5	10	< 5	< 5	< 5	< 5	10	15
Bismuth	[Bi]	10	< 5	10	30	15	40	15	30	25	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	20	10	5	< 5	10	20	15	20	5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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 - 9176 - 4
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021 - HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 030	90 CPR 031	90 CPR 032	90 CPR 033	90 CPR 034	90 CPR 035	90 CPR 036	90 CPR 037	90 CPR 038	90 CPR 039
Aluminum	[Al]	4400	2200	2000	24000	20000	5400	9100	2200	11000	1300
Iron	[Fe]	7400	4300	21000	47000	43000	16000	21000	14000	21000	17000
Calcium	[Ca]	150000	61000	69000	39000	41000	72000	6000	8700	11000	23000
Magnesium	[Mg]	2300	910	3900	7500	6300	6700	4300	2900	5400	3000
Sodium	[Na]	60	120	160	110	300	110	130	70	290	240
Potassium	[K]	240	620	1100	430	80	350	670	760	700	270
Titanium	[Ti]	< 1	8	2	1300	69	13	8	3	620	25
Manganese	[Mn]	940	480	2200	1000	1400	770	140	170	510	390
Phosphorus	[P]	< 2	< 2	800	2000	490	180	280	64	590	86
Barium	[Ba]	44	140	130	30	95	65	55	110	310	37
Chromium	[Cr]	28	47	24	28	22	41	26	33	39	65
Zirconium	[Zr]	2	2	3	15	9	3	3	< 1	7	3
Copper	[Cu]	4	4	24	120	69	8	16	10	16	8
Nickel	[Ni]	8	3	10	16	9	14	13	8	8	35
Lead	[Pb]	6	15	5	< 1	1	5	8	9	11	4
Zinc	[Zn]	14	26	82	71	78	20	60	58	54	41
Vanadium	[V]	15	4	21	150	140	12	23	3	38	11
Strontium	[Sr]	420	170	230	110	120	630	50	88	66	110
Cobalt	[Co]	3	1	6	20	14	3	2	< 1	7	5
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	4	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	10	5	10	< 5	< 5	< 5	15
Yttrium	[Y]	18	9	11	10	13	7	4	3	5	7
Scandium	[Sc]	3	< 1	4	15	13	3	3	< 1	4	3
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]	< 10	< 10	< 10	40	50	40	< 10	< 10	70	< 10
Arsenic	[As]	< 5	< 5	15	< 5	< 5	< 5	< 5	< 5	< 5	40
Bismuth	[Bi]	45	20	30	45	35	35	15	10	20	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	< 5	5	30	25	15	15	< 5	20	5
Holmium	[Ho]	10	< 10	< 10	40	< 10	< 10	< 10	< 10	20	< 10

DATE : AUG-13-1990

SIGNED : Bernie Denn

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

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10TH FLOOR,BOX-808 WEST HASTINGS ST.
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9176 - 5
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT: 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 040	90 CPR 041	90 CPR 042	90 CPR 042A	90 CPR 042B	90 CPR 043	90 CPR 044	90 CPR 045	90 CPR 046	90 CPR 047
Aluminum	[Al]	8300	9500	1600	14000	17000	1500	2400	1900	460	2800
Iron	[Fe]	23000	18000	28000	34000	33000	25000	17000	33000	11000	27000
Calcium	[Ca]	12000	19000	62000	13000	4800	38000	13000	7800	16000	28000
Magnesium	[Mg]	4400	4200	7300	6000	5400	6200	4300	4200	4000	6100
Sodium	[Na]	240	200	90	180	180	120	250	220	60	250
Potassium	[K]	1000	1900	340	870	720	450	460	740	170	490
Titanium	[Ti]	40	15	< 1	30	29	1	6	3	2	6
Manganese	[Mn]	590	600	1100	350	280	520	360	460	310	690
Phosphorus	[P]	720	670	28	600	590	130	340	290	150	260
Barium	[Ba]	970	400	75	63	100	48	33	92	31	39
Chromium	[Cr]	44	38	41	43	38	46	48	41	76	50
Zirconium	[Zr]	7	4	3	8	5	2	3	4	< 1	2
Copper	[Cu]	15	10	20	74	33	7	10	22	6	7
Nickel	[Ni]	12	9	14	62	38	14	15	67	18	39
Lead	[Pb]	6	11	3	14	14	5	11	7	27	7
Zinc	[Zn]	50	51	130	110	120	46	50	130	63	45
Vanadium	[V]	43	18	4	25	31	4	8	9	2	8
Strontium	[Sr]	110	240	1300	120	42	420	120	86	180	250
Cobalt	[Co]	9	7	1	9	7	2	4	9	1	4
Molybdenum	[Mo]	< 2	< 2	< 2	4	< 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	10	5	5	5	5	5	< 5	10
Yttrium	[Y]	8	9	10	6	7	10	5	6	4	7
Scandium	[Sc]	4	3	2	6	5	2	3	4	1	3
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	< 10	50	50	60	30	< 10	80	< 10	40
Arsenic	[As]	< 5	< 5	< 5	< 5	5	160	15	35	5	< 5
Bismuth	[Bi]	20	20	35	25	20	30	15	15	15	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	15	10	40	50	5	10	< 5	< 5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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 10-808 WEST HASTINGS ST.
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9176 - 6
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT: 90 BC 021 HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 048	90 CPR 049	90 CPR 050	90 CPR 051	90 CPR 052	90 CPR 053	90 CPR 054	90 CPR 055	90 CPR 056	90 CPR 057
Aluminum	[Al]	26000	15000	17000	1800	13000	12000	12000	6600	5900	2500
Iron	[Fe]	44000	30000	27000	15000	27000	23000	24000	28000	31000	26000
Calcium	[Ca]	13000	16000	3200	14000	26000	15000	15000	980	3400	27000
Magnesium	[Mg]	7300	6300	6400	2900	5400	6000	6000	1700	4100	4800
Sodium	[Na]	80	170	140	240	170	90	90	200	170	180
Potassium	[K]	300	950	700	420	910	320	310	1400	900	1600
Titanium	[Ti]	21	16	510	19	10	12	12	7	9	2
Manganese	[Mn]	350	360	350	370	400	400	410	150	260	760
Phosphorus	[P]	590	390	400	160	220	220	220	490	360	720
Barium	[Ba]	57	78	110	43	86	30	28	120	90	96
Chromium	[Cr]	64	49	120	54	53	75	74	18	28	24
Zirconium	[Zr]	6	6	3	3	6	4	3	4	4	4
Copper	[Cu]	19	43	28	7	43	21	21	37	42	14
Nickel	[Ni]	64	82	100	19	73	55	54	21	65	11
Lead	[Pb]	7	10	3	7	8	4	5	24	15	6
Zinc	[Zn]	170	110	68	37	110	67	72	110	200	61
Vanadium	[V]	47	30	44	7	23	22	23	26	25	14
Strontium	[Sr]	74	100	24	120	190	130	120	14	45	160
Cobalt	[Co]	7	9	11	4	8	5	4	5	10	7
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	4	4	< 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]	10	10	5	< 5	5	15	15	< 5	5	5
Yttrium	[Y]	10	6	6	5	7	4	4	4	4	10
Scandium	[Sc]	8	9	4	3	7	4	4	6	6	6
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]	50	60	< 10	< 10	40	20	20	< 10	20	110
Arsenic	[As]	< 5	< 5	< 5	< 5	10	< 5	< 5	10	10	< 5
Bismuth	[Bi]	30	25	20	15	25	25	25	10	15	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	60	35	40	5	35	35	35	10	15	5
Holmium	[Ho]	< 10	< 10	20	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Ann

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

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 - 9176 - 7
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 058	90 CPR 059	90 CPR 060	90 CPR 061	90 CPR 062	90 CPR 063	90 CPR 064	90 CPR 065	90 CPR 066	90 CPR 067
Aluminum	[Al]	5800	2500	2500	4300	2600	2000	25000	42000	21000	24000
Iron	[Fe]	17000	25000	27000	26000	26000	26000	42000	48000	39000	43000
Calcium	[Ca]	14000	26000	28000	45000	26000	26000	19000	22000	15000	38000
Magnesium	[Mg]	5000	4600	5300	6600	4100	4800	8100	9700	6400	6700
Sodium	[Na]	60	170	210	220	240	150	220	140	160	230
Potassium	[K]	350	1500	1800	540	1600	1600	480	360	1200	360
Titanium	[Ti]	4	2	2	4	2	2	64	36	15	26
Manganese	[Mn]	430	810	820	880	790	790	690	860	510	840
Phosphorus	[P]	98	740	770	210	810	770	490	400	600	780
Barium	[Ba]	40	720	100	43	80	66	88	75	75	45
Chromium	[Cr]	72	30	26	42	28	21	110	280	53	29
Zirconium	[Zr]	2	3	4	2	4	4	8	9	5	10
Copper	[Cu]	18	10	12	6	9	7	79	39	42	8
Nickel	[Ni]	36	10	9	12	8	5	67	190	24	8
Lead	[Pb]	5	5	13	7	4	7	< 1	< 1	9	1
Zinc	[Zn]	51	56	71	32	51	61	42	54	110	87
Vanadium	[V]	11	14	12	6	12	10	120	100	74	180
Strontium	[Sr]	270	140	150	360	88	130	72	77	45	95
Cobalt	[Co]	3	7	8	3	8	7	18	28	11	9
Molybdenum	[Mo]	< 2	< 2	< 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	10	10	< 5	5	15	20	10	10
Yttrium	[Y]	4	10	11	8	11	11	9	11	10	18
Scandium	[Sc]	2	6	7	2	6	6	11	13	7	15
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	40	70	60	< 10	100	40	< 10	40	50
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	10	< 5	< 5	5	10
Bismuth	[Bi]	20	25	25	35	25	25	35	50	30	45
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	20	5	< 5	10	< 5	< 5	65	120	45	50
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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

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 021 HI-TEC P.O. R-2001

T.S.L. REPORT No. : S - 9176 - 8
T.S.L. File No. :
T.S.L. Invoice No. : 14569

ALL RESULTS PPM

ELEMENT		90 CPR 068	90 CPR 069	90 CPR 070	90 CPR 071	90 CPR 072	90 CDR 001	90 CDR 002	90 CDR 003	90 CDR 004	90 CDR 005
Aluminum	[Al]	13000	18000	10000	4400	26000	7900	4100	6400	6100	3900
Iron	[Fe]	22000	39000	20000	13000	47000	27000	8800	16000	16000	9800
Calcium	[Ca]	79000	8400	110000	11000	29000	31000	53000	2800	1500	5700
Magnesium	[Mg]	5800	5600	3600	2100	8600	6400	2900	3100	2900	2400
Sodium	[Na]	140	170	90	370	310	150	50	50	120	30
Potassium	[K]	300	1400	1300	490	730	420	170	530	470	290
Titanium	[Ti]	10	16	1	8	14	8	6	10	10	7
Manganese	[Mn]	1500	360	1300	510	1000	840	470	150	360	320
Phosphorus	[P]	200	570	260	130	340	160	62	260	220	210
Barium	[Ba]	36	83	49	34	140	69	20	45	45	35
Chromium	[Cr]	40	26	9	64	71	59	70	99	98	96
Zirconium	[Zr]	3	5	4	2	12	4	< 1	2	1	2
Copper	[Cu]	32	100	56	4	44	11	18	16	11	6
Nickel	[Ni]	17	10	8	5	70	51	14	38	34	29
Lead	[Pb]	2	14	10	11	< 1	13	9	9	4	3
Zinc	[Zn]	31	47	64	53	59	43	32	31	32	25
Vanadium	[V]	47	51	22	6	140	25	9	19	18	8
Strontium	[Sr]	1000	51	490	42	130	190	1300	68	20	63
Cobalt	[Co]	5	10	6	2	28	9	2	6	6	3
Molybdenum	[Mo]	< 2	< 2	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]	15	5	< 5	< 5	20	10	< 5	10	< 5	< 5
Yttrium	[Y]	14	8	10	7	12	10	3	2	4	5
Scandium	[Sc]	4	4	2	2	19	5	1	2	2	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]	30	50	< 10	< 10	50	40	< 10	< 10	< 10	< 10
Arsenic	[As]	< 5	< 5	5	< 5	< 5	10	< 5	10	< 5	< 5
Bismuth	[Bi]	40	20	40	15	40	25	25	10	5	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	30	50	30	10	65	20	10	15	15	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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

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T.S.L. REPORT No. : S - 9176 - 9
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CDR 006	90 CDR 007	90 CDR 008	90 CDR 009	90 CDR 010	90 CDR 011	90 CDR 012	90 CDR 013	90 CDR 014	90 CDR 015
Aluminum	[Al]	13000	10000	15000	3000	390	3300	13000	25000	22000	22000
Iron	[Fe]	25000	22000	27000	13000	3500	19000	27000	51000	48000	44000
Calcium	[Ca]	860	4500	6600	6700	8700	880	20000	18000	19000	11000
Magnesium	[Mg]	5300	4200	6000	2500	340	1500	4700	7800	7200	7200
Sodium	[Na]	100	110	150	140	100	140	210	240	370	330
Potassium	[K]	470	450	600	240	80	420	1400	250	180	120
Titanium	[Ti]	10	11	10	14	4	4	13	2100	2300	1800
Manganese	[Mn]	350	420	220	320	180	44	880	1100	1100	1000
Phosphorus	[P]	320	320	340	210	54	200	540	570	470	390
Barium	[Ba]	48	60	56	23	10	23	94	65	32	16
Chromium	[Cr]	100	98	100	99	84	62	31	21	25	29
Zirconium	[Zr]	3	4	3	2	2	3	5	25	32	23
Copper	[Cu]	35	30	34	5	2	12	58	120	120	65
Nickel	[Ni]	80	56	89	27	11	23	7	7	9	9
Lead	[Pb]	8	12	10	3	2	10	8	4	20	3
Zinc	[Zn]	90	75	93	34	8	29	67	81	91	64
Vanadium	[V]	29	20	32	9	2	13	51	190	180	140
Strontium	[Sr]	15	28	77	47	86	10	61	37	32	16
Cobalt	[Co]	7	7	6	3	1	3	10	18	15	16
Molybdenum	[Mo]	< 2	2	< 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]	10	< 5	5	< 5	< 5	< 5	< 5	15	10	10
Yttrium	[Y]	4	5	5	3	3	2	7	12	12	10
Scandium	[Sc]	4	4	3	2	< 1	1	7	20	20	16
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]	10	< 10	40	< 10	< 10	< 10	90	60	70	70
Arsenic	[As]	< 5	< 5	10	< 5	< 5	15	< 5	< 5	< 5	< 5
Bismuth	[Bi]	15	15	20	20	10	10	25	45	45	35
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	30	20	30	10	< 5	10	20	25	15	20
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	50	60	40

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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

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 021. HI-TEC P.O. R-2001

T.S.L. REPORT No. : S - 9176 - 10
T.S.L. File No. :
T.S.L. Invoice No. : 14569

ALL RESULTS PPM

ELEMENT		90 CDR 016	90 CDR 017	90 CDR 018	90 CDR 019	90 CDR 020	90 CDR 021	90 CDR 022	90 CDR 023	90 CDR 024	90 CDR 025
Aluminum	[Al]	13000	15000	21000	4600	13000	20000	14000	17000	3200	11000
Iron	[Fe]	26000	36000	47000	17000	22000	43000	28000	26000	26000	19000
Calcium	[Ca]	1100	11000	4900	920	4800	6500	3600	2700	9500	4200
Magnesium	[Mg]	5500	6100	7500	2600	5800	6400	5100	7300	4100	5300
Sodium	[Na]	110	360	340	150	190	210	190	170	210	190
Potassium	[K]	500	150	270	320	630	650	250	500	1500	690
Titanium	[Ti]	69	1600	1700	95	76	20	24	21	25	17
Manganese	[Mn]	380	770	790	300	270	520	220	160	330	600
Phosphorus	[P]	330	320	500	220	380	1100	410	270	660	330
Barium	[Ba]	50	21	38	23	54	58	91	190	86	56
Chromium	[Cr]	100	21	19	84	87	65	86	230	27	98
Zirconium	[Zr]	4	23	25	4	4	7	4	4	7	2
Copper	[Cu]	37	49	91	13	16	46	14	24	56	11
Nickel	[Ni]	80	10	7	39	58	130	34	170	71	59
Lead	[Pb]	7	3	3	5	8	6	10	2	19	8
Zinc	[Zn]	91	58	90	54	60	110	49	72	80	49
Vanadium	[V]	33	110	140	18	29	43	41	50	10	25
Strontium	[Sr]	15	19	16	10	54	42	25	36	78	48
Cobalt	[Co]	8	15	16	4	9	8	6	15	11	8
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	4	< 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]	10	< 5	10	10	5	10	5	10	10	< 5
Yttrium	[Y]	4	8	11	5	5	9	6	4	8	4
Scandium	[Sc]	5	11	16	2	3	7	4	5	2	3
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]	< 10	50	70	< 10	10	30	20	< 10	< 10	40
Arsenic	[As]	< 5	< 5	< 5	20	5	< 5	< 5	< 5	95	< 5
Bismuth	[Bi]	20	30	35	15	30	40	25	25	25	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	30	10	20	5	35	55	25	35	5	25
Holmium	[Ho]	< 10	30	40	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET. SASKATOON. SASKATCHEWAN 57K 6A4
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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 - 9176 - 11
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CDR 026	90 CDR 027	90 CDR 028	90 CDR 029	90 CDR 030	90 CDR 031	90 CDR 032	90 CDR 033	90 CDR 034	90 CDR 035
Aluminum	[Al]	2200	2600	1300	1800	1900	1100	1600	6000	11000	1900
Iron	[Fe]	23000	23000	28000	25000	28000	27000	19000	26000	20000	15000
Calcium	[Ca]	13000	11000	5900	5300	4900	1600	7800	8100	8500	3700
Magnesium	[Mg]	3400	3800	1600	2100	1900	510	2700	4800	5000	1600
Sodium	[Na]	170	210	130	130	150	150	250	250	190	250
Potassium	[K]	1400	1300	830	1200	1200	760	800	1100	640	850
Titanium	[Ti]	10	19	9	13	15	11	9	40	14	12
Manganese	[Mn]	310	210	170	230	230	120	230	320	300	120
Phosphorus	[P]	480	570	310	460	550	260	400	330	290	340
Barium	[Ba]	52	44	74	62	74	80	42	47	73	46
Chromium	[Cr]	29	26	53	13	19	76	53	44	97	47
Zirconium	[Zr]	4	5	4	4	4	2	3	5	3	3
Copper	[Cu]	40	33	75	42	55	74	59	68	20	29
Nickel	[Ni]	43	51	17	51	67	23	24	73	68	21
Lead	[Pb]	10	8	16	9	18	13	26	12	8	8
Zinc	[Zn]	39	45	280	45	39	58	150	74	65	230
Vanadium	[V]	5	6	5	4	5	4	5	17	23	5
Strontium	[Sr]	97	65	32	39	36	12	40	59	110	32
Cobalt	[Co]	10	9	4	10	12	10	5	10	10	5
Molybdenum	[Mo]	< 2	< 2	6	< 2	4	< 2	< 2	2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	2	< 1	< 1	1	< 1	< 1	< 1	5
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]	20	15	30	5	20	30	15	10	< 5	5
Yttrium	[Y]	5	6	3	4	6	2	4	5	3	3
Scandium	[Sc]	2	2	< 1	1	1	< 1	1	3	2	< 1
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]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	70	< 10	< 10
Arsenic	[As]	15	30	100	15	20	95	10	< 5	< 5	< 5
Bismuth	[Bi]	20	20	15	20	20	10	20	20	25	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	< 5	< 5	< 5	< 5	< 5	10	25	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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 10-808 WEST HASTINGS ST.
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER

PROJECT 90 BC 021. HI-TEC P.O. R-2001

T.S.L. REPORT No. : S - 9176 - 12
T.S.L. File No. :
T.S.L. Invoice No. : 14569

ALL RESULTS PPM

ELEMENT		90 CDR 036	90 CDR 037	90 CPG 001	90 CPG 002	90 CPG 004	90 CTR 001	90 CTR 002	90 CTR 003	90 CTR 004	90 CTR 005
Aluminum	[Al]	12000	1600	8500	9500	3600	830	4100	12000	11000	5500
Iron	[Fe]	20000	4000	19000	18000	31000	6000	13000	27000	19000	10000
Calcium	[Ca]	2200	620	6900	19000	65000	7100	5900	3200	2500	1300
Magnesium	[Mg]	5700	1200	3500	3900	7800	2400	3300	5400	5000	3600
Sodium	[Na]	190	100	260	240	100	90	160	160	120	90
Potassium	[K]	790	130	540	730	310	130	390	610	380	150
Titanium	[Ti]	54	25	440	28	5	8	8	11	10	6
Manganese	[Mn]	370	160	570	690	1800	240	200	150	160	48
Phosphorus	[P]	500	190	460	440	160	72	160	360	240	86
Barium	[Ba]	58	10	36	32	47	11	25	75	36	20
Chromium	[Cr]	81	88	51	40	33	82	74	85	100	96
Zirconium	[Zr]	3	2	7	4	3	2	2	4	3	2
Copper	[Cu]	15	3	7	13	12	7	7	23	29	18
Nickel	[Ni]	63	12	5	4	21	7	30	110	60	32
Lead	[Pb]	6	2	8	5	21	5	8	5	5	7
Zinc	[Zn]	85	16	47	46	40	14	25	73	67	38
Vanadium	[V]	22	5	37	23	6	2	10	28	22	12
Strontium	[Sr]	17	10	16	58	1300	250	200	34	54	26
Cobalt	[Co]	12	2	4	4	3	1	4	10	6	3
Molybdenum	[Mo]	< 2	< 2	< 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	15	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	4	1	4	8	6	1	2	4	3	1
Scandium	[Sc]	2	< 1	2	2	2	< 1	1	3	2	< 1
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	< 10	< 10	< 10	60	< 10	< 10	10	10	< 10
Arsenic	[As]	< 5	< 5	15	< 5	< 5	< 5	< 5	< 5	5	< 5
Bismuth	[Bi]	20	10	20	20	45	10	10	20	15	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	30	5	15	15	10	< 5	5	25	25	15
Holmium	[Ho]	< 10	< 10	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernice Dunn

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 10-808 WEST HASTINGS ST.
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9176 - 13
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. HI-TEC P.O. R-2001

ALL RESULTS PPM

ELEMENT		90 CTR 006	90 CTR 007	90 CTR 008	90 CTR 009	90 CTR 010	90 CTR 011	90 CTR 012	90 CTR 013	90 CTR 015
Aluminum	[Al]	990	850	1100	12000	18000	18000	7000	7300	1200
Iron	[Fe]	12000	12000	14000	28000	43000	41000	14000	12000	8400
Calcium	[Ca]	15000	14000	24000	11000	8000	6800	4800	9700	38000
Magnesium	[Mg]	1900	3900	4500	5400	6100	6200	3500	3900	2100
Sodium	[Na]	90	200	170	280	330	290	120	150	180
Potassium	[K]	520	280	170	700	160	150	640	640	590
Titanium	[Ti]	4	2	2	570	1400	1700	72	22	6
Manganese	[Mn]	200	210	510	570	710	780	240	1300	830
Phosphorus	[P]	200	180	110	490	500	480	170	250	190
Barium	[Ba]	51	30	20	81	28	15	83	55	73
Chromium	[Cr]	62	76	64	26	18	19	11	39	25
Zirconium	[Zr]	3	4	3	11	21	21	3	5	4
Copper	[Cu]	20	6	5	35	51	76	10	12	5
Nickel	[Ni]	32	16	18	5	4	5	7	38	9
Lead	[Pb]	2	5	3	1	< 1	< 1	4	4	6
Zinc	[Zn]	31	25	24	39	44	72	74	50	32
Vanadium	[V]	5	7	7	53	130	130	9	14	3
Strontium	[Sr]	71	160	180	32	17	14	25	66	240
Cobalt	[Co]	4	3	3	8	11	13	3	8	3
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	11	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]	10	5	5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	3	3	2	6	9	9	2	5	6
Scandium	[Sc]	3	2	3	6	15	15	3	3	3
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	< 10	20	40	50	50	< 10	< 10	< 10
Arsenic	[As]	35	5	< 5	< 5	< 5	< 5	5	< 5	< 5
Bismuth	[Bi]	15	10	15	15	20	20	5	10	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	10	10	20	20	20	15	20	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	20	30	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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

Acua-Regia Digestion

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T.S.L. REPORT No. : S - 9176 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14569

PROJECT 90 BC 021. - HI-TEC P.O.R-2001

ALL RESULTS PPM

ELEMENT		90 CPR 001	90 CPR 002	90 CPR 003	90 CPR 004	90 CPR 005	90 CPR 006	90 CPR 007	90 CPR 008	90 CPR 009	90 CPR 009A
Aluminum	[Al]	9300	31000	14000	1500	4500	24000	1400	21000	5400	1500
Iron	[Fe]	22000	45000	36000	15000	19000	40000	18000	37000	24000	24000
Calcium	[Ca]	12000	31000	52000	32000	29000	2400	39000	14000	56000	48000
Magnesium	[Mg]	3600	7900	7400	6500	5800	6800	6000	6800	7000	6300
Sodium	[Na]	150	220	120	60	180	90	80	110	50	70
Potassium	[K]	1100	280	540	160	450	520	260	630	240	250
Titanium	[Ti]	13	1300	61	32	9	22	3	20	4	1
Manganese	[Mn]	670	990	1200	380	670	100	610	360	670	530
Phosphorus	[P]	470	570	200	24	230	340	42	480	94	180
Barium	[Ba]	77	33	59	45	54	38	33	46	29	47
Chromium	[Cr]	24	30	43	71	66	170	91	120	53	65
Zirconium	[Zr]	4	16	7	1	4	3	2	7	3	3
Copper	[Cu]	99	78	17	24	12	34	5	42	16	16
Nickel	[Ni]	7	16	65	24	47	160	18	150	33	37
Lead	[Pb]	20	< 1	4	9	5	7	6	6	6	6
Zinc	[Zn]	91	77	61	43	44	84	19	98	40	41
Vanadium	[V]	24	230	23	10	11	49	4	49	10	7
Strontium	[Sr]	190	57	310	300	160	20	600	86	1200	850
Cobalt	[Co]	6	19	7	2	6	10	2	12	3	3
Molybdenum	[Mo]	< 2	< 2	< 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	15	10	15	5	10	15	15	10	10
Yttrium	[Y]	7	8	18	4	7	4	5	8	7	8
Scandium	[Sc]	3	17	7	2	5	5	2	9	3	4
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]	< 10	50	60	20	20	< 10	20	30	30	30
Arsenic	[As]	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	20
Bismuth	[Bi]	10	40	40	35	40	15	20	25	35	35
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	35	30	5	10	55	5	45	15	5
Holmium	[Ho]	< 10	30	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernice Ann

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 10-808 WEST HASTINGS ST.
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER PROJECT 90 BC 021 - HI-TEC P.O. R-2006

T.S.L. REPORT No. : S - 9187 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14574

ALL RESULTS PPM

ELEMENT	90 CPR 095	90 CPR 096	90 CPR 097	90 CPR 098	90 CPR 099	90 CPR 100	90 CPR 101	90 CJR 001	90 CJR 002	90 CJR 003
Aluminum [Al]	8200	5800	17000	8000	800	13000	9500	27000	21000	2800
Iron [Fe]	20000	13000	36000	14000	20000	28000	25000	42000	36000	19000
Calcium [Ca]	5400	4800	8100	51000	120000	23000	2100	25000	36000	42000
Magnesium [Mg]	2900	2700	3200	3200	5400	4200	2600	6200	5800	3900
Sodium [Na]	270	100	200	180	50	150	70	180	180	160
Potassium [K]	1100	460	1200	380	240	1000	1300	230	540	730
Titanium [Ti]	17	16	120	25	< 1	12	9	46	39	4
Manganese [Mn]	480	280	630	990	1500	680	160	1700	1000	810
Phosphorus [P]	450	330	940	300	< 2	480	570	650	590	830
Barium [Ba]	51	50	460	40	230	86	98	34	18	330
Chromium [Cr]	39	62	30	24	9	37	23	7	6	23
Zirconium [Zr]	3	2	6	3	2	3	3	7	6	3
Copper [Cu]	26	25	2500	69	12	33	43	200	110	25
Nickel [Ni]	5	21	13	1	5	15	20	4	5	10
Lead [Pb]	49	46	18	5	< 1	7	24	2200	80	47
Zinc [Zn]	160	140	110	36	20	76	110	1200	120	120
Vanadium [V]	24	17	55	26	1	39	39	210	180	38
Strontium [Sr]	16	65	29	280	740	180	19	89	54	150
Cobalt [Co]	5	5	13	3	< 1	8	4	11	15	6
Molybdenum [Mo]	< 2	< 2	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2
Silver [Ag]	< 1	< 1	4	< 1	< 1	< 1	< 1	1	1	< 1
Cadmium [Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	8	< 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]	3	3	10	16	7	9	5	9	8	9
Scandium [Sc]	2	1	5	2	1	4	3	12	9	4
Tungsten [W]	20	< 10	< 10	< 10	< 10	< 10	10	20	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	< 10	< 10	40	< 10	40	20	< 10	40	40	70
Arsenic [As]	10	10	15	< 5	< 5	15	20	20	15	15
Bismuth [Bi]	5	5	10	20	45	15	< 5	25	25	20
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	10	10	20	15	< 5	25	15	30	25	< 5
Holmium [Ho]	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Ann

T S L LABORATORIES
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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 021 - HI-TEC R-2006

T.S.L. REPORT No. : S - 9187 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 14574

ALL RESULTS PPM

ELEMENT		90 CJR 004	90 CJR 005	90 CJR 006	90 CJR 007	90 CJR 008	90 CJR 009
Aluminum	[Al]	6500	9400	15000	14000	15000	16000
Iron	[Fe]	19000	20000	27000	25000	24000	25000
Calcium	[Ca]	4400	8600	14000	7800	10000	8300
Magnesium	[Mg]	2900	3800	5100	4600	4600	4800
Sodium	[Na]	260	240	260	200	230	150
Potassium	[K]	880	790	340	270	770	340
Titanium	[Ti]	11	21	69	1100	1100	1400
Manganese	[Mn]	560	680	840	720	620	580
Phosphorus	[P]	470	460	590	740	700	860
Barium	[Ba]	61	68	210	110	260	73
Chromium	[Cr]	42	23	28	19	18	26
Zirconium	[Zr]	3	4	4	9	8	9
Copper	[Cu]	13	9	17	12	5	100
Nickel	[Ni]	3	3	6	4	3	4
Lead	[Pb]	11	14	10	12	6	6
Zinc	[Zn]	49	57	64	72	67	79
Vanadium	[V]	25	23	64	50	38	53
Strontium	[Sr]	15	17	32	41	52	150
Cobalt	[Co]	5	5	7	7	7	9
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	< 1	< 1	< 1	< 1	< 1	< 1
Scandium	[Sc]	2	2	4	3	2	3
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	30	60	70	50
Arsenic	[As]	< 5	< 5	< 5	< 5	< 5	< 5
Bismuth	[Bi]	10	15	20	15	15	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	15	25	15	20	20
Holmium	[Ho]	< 10	< 10	10	40	40	40

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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Aqua-Regia Digestion

PRIME EXPLORATION LTD.
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VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9186 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14580

PROJECT: 90 BC 021 A-2004 HI-TEC RESOURCE MANAGEMENT ALL RESULTS PPM

ELEMENT		90CPR072	90CPR073	90CPR074	90CPR075	90CPR076	90CPR077	90CPR078	90CPR079	90CPR080	90CPR081
Aluminum	[Al]	490	12000	1400	1100	890	5600	720	1200	1500	620
Iron	[Fe]	2600	27000	11000	17000	20000	23000	12000	18000	29000	11000
Calcium	[Ca]	680	860	10000	79000	68000	11000	17000	41000	34000	20000
Magnesium	[Mg]	300	3800	3700	7900	7900	4800	4100	6300	5300	3800
Sodium	[Na]	50	160	70	290	400	170	90	100	210	60
Potassium	[K]	60	770	220	320	420	840	250	330	650	280
Titanium	[Ti]	33	25	5	10	11	8	2	< 1	2	2
Manganese	[Mn]	50	180	270	510	890	220	300	630	650	570
Phosphorus	[P]	16	360	82	110	240	360	64	50	94	54
Barium	[Ba]	5	58	23	130	130	65	36	33	48	24
Chromium	[Cr]	98	50	75	17	5	20	52	34	19	71
Zirconium	[Zr]	< 1	4	1	10	10	4	2	2	4	2
Copper	[Cu]	6	31	13	5	1	36	6	6	18	8
Nickel	[Ni]	4	46	15	17	5	66	14	18	17	9
Lead	[Pb]	4	6	3	1	< 1	8	2	11	3	6
Zinc	[Zn]	10	66	34	18	31	80	24	33	61	28
Vanadium	[V]	4	28	6	3	< 1	14	1	< 1	5	4
Strontium	[Sr]	2	9	120	870	790	93	170	700	280	130
Cobalt	[Co]	< 1	6	2	2	< 1	8	< 1	< 1	4	1
Molybdenum	[Mo]	< 2	< 2	< 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	20	20	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	< 1	3	2	3	7	4	4	14	8	7
Scandium	[Sc]	< 1	5	1	2	3	5	< 1	2	4	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]	< 10	20	< 10	40	50	50	40	30	40	10
Arsenic	[As]	< 5	15	5	5	< 5	10	5	< 5	15	10
Bismuth	[Bi]	< 5	< 5	< 5	30	35	10	10	20	15	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	25	5	5	5	15	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Ann

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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10TH FLOOR, BOX 10-908 WEST HASTINGS ST.
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9186 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 14580

PROJECT: 90 BC 021 R-2004 HI-TEC RESOURCE MANAGEMENT ALL RESULTS PPM

ELEMENT		90CPR082	90CPR083	90CPR084	90CPR085	90CPR086	90CPR087	90CPR088	90CPR089	90CPR090	90CPR091
Aluminum	[Al]	2000	3600	1800	680	2100	1900	1600	480	23000	9100
Iron	[Fe]	20000	19000	17000	13000	21000	20000	19000	3000	33000	15000
Calcium	[Ca]	24000	18000	3100	19000	15000	26000	23000	2100	44000	40000
Magnesium	[Mg]	4000	4000	1400	4100	3900	4200	4300	630	6800	4700
Sodium	[Na]	180	130	50	80	150	170	180	40	390	440
Potassium	[K]	1600	580	820	350	1100	1500	1100	120	300	130
Titanium	[Ti]	3	3	6	1	2	3	3	12	1400	1000
Manganese	[Mn]	570	290	180	340	390	600	510	190	660	290
Phosphorus	[P]	620	250	250	70	370	600	550	36	220	360
Barium	[Ba]	58	53	62	32	94	110	64	13	160	33
Chromium	[Cr]	17	63	36	72	33	12	32	110	110	49
Zirconium	[Zr]	3	2	1	2	3	3	2	1	14	7
Copper	[Cu]	10	15	15	10	29	7	7	3	43	57
Nickel	[Ni]	6	38	9	9	34	5	7	7	42	12
Lead	[Pb]	3	3	13	6	13	3	3	1	< 1	3
Zinc	[Zn]	37	50	39	77	110	45	47	10	46	32
Vanadium	[V]	7	8	7	3	5	8	6	3	130	71
Strontium	[Sr]	110	240	24	380	180	100	310	34	86	73
Cobalt	[Co]	5	4	4	1	6	5	4	1	16	5
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	4	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	61	< 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]	10	< 5	40	5	< 5	< 5	< 5	< 5	10	< 5
Yttrium	[Y]	8	6	3	3	7	9	6	1	11	7
Scandium	[Sc]	4	3	1	1	4	4	3	< 1	17	6
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]	70	30	< 10	20	30	90	40	< 10	20	20
Arsenic	[As]	35	10	6600	370	50	20	15	< 5	10	< 5
Bismuth	[Bi]	15	10	< 5	10	10	15	10	< 5	30	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	10	< 5	< 5	< 5	< 5	< 5	< 5	45	20
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
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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 - 9186 - I
T.S.L. File No. :
T.S.L. Invoice No. : 14580

PROJECT: 90 BC 021 R-2004 HI-TEC RESOURCE MANAGEMENT ALL RESULTS PPM

ELEMENT		90CPR092	90CPR093	90CPR094	90CTR016	90CTR017	90CTR018	90CTR019	90CTR020	90CTR021	90CTR022
Aluminum	[Al]	2600	13000	28000	15000	8900	14000	16000	3600	2100	1700
Iron	[Fe]	6200	26000	43000	28000	18000	31000	37000	38000	38000	20000
Calcium	[Ca]	48000	5300	7800	21000	19000	41000	32000	3400	12000	45000
Magnesium	[Mg]	1600	3500	7000	5900	5500	5200	5300	1100	3000	6500
Sodium	[Na]	70	180	210	150	190	110	120	130	60	70
Potassium	[K]	350	1200	460	350	500	1100	810	760	1300	300
Titanium	[Ti]	21	21	37	690	780	62	170	12	6	3
Manganese	[Mn]	630	420	550	760	650	760	810	230	240	470
Phosphorus	[P]	10	510	360	1500	1800	1600	1600	870	910	6
Barium	[Ba]	21	50	130	30	42	36	69	50	33	52
Chromium	[Cr]	58	29	76	21	21	15	46	14	10	38
Zirconium	[Zr]	< 1	2	10	10	7	7	9	3	5	5
Copper	[Cu]	16	81	43	72	97	77	79	34	100	24
Nickel	[Ni]	3	5	51	12	11	9	14	10	32	16
Lead	[Pb]	2	15	< 1	< 1	< 1	1	3	9	16	< 1
Zinc	[Zn]	16	80	58	52	44	42	54	90	460	55
Vanadium	[V]	7	46	150	100	68	80	160	32	13	32
Strontium	[Sr]	380	28	29	49	66	370	270	27	66	150
Cobalt	[Co]	2	5	24	14	11	12	15	7	6	5
Molybdenum	[Mo]	< 2	6	< 2	< 2	< 2	< 2	< 2	< 2	18	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	9	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	10	10
Yttrium	[Y]	3	6	9	8	8	8	9	7	9	4
Scandium	[Sc]	< 1	3	14	10	8	12	14	3	2	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]	< 10	60	30	30	30	50	30	< 10	70	40
Arsenic	[As]	< 5	15	10	< 5	< 5	10	15	40	320	80
Bismuth	[Bi]	15	5	20	15	10	20	20	< 5	10	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	25	65	30	15	15	20	10	< 5	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernice Dunn

T S L LABORATORIES
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I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

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V6C 2X6
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T.S.L. REPORT No. : S - 9156 - 4
T.S.L. File No. :
T.S.L. Invoice No. : 14580

PROJECT: 90 BC 021 R-2004 HI-TEC RESOURCE MANAGEMENT ALL RESULTS PPM

ELEMENT		90CTR023	90CTR024
Aluminum	[Al]	15000	3300
Iron	[Fe]	32000	24000
Calcium	[Ca]	37000	13000
Magnesium	[Mg]	6500	3000
Sodium	[Na]	130	80
Potassium	[K]	970	1200
Titanium	[Ti]	17	8
Manganese	[Mn]	630	490
Phosphorus	[P]	210	620
Barium	[Ba]	89	86
Chromium	[Cr]	67	14
Zirconium	[Zr]	7	3
Copper	[Cu]	39	24
Nickel	[Ni]	72	12
Lead	[Pb]	< 1	3
Zinc	[Zn]	63	61
Vanadium	[V]	46	11
Strontium	[Sr]	130	39
Cobalt	[Co]	19	8
Molybdenum	[Mo]	< 2	< 2
Silver	[Ag]	< 1	< 1
Cadmium	[Cd]	< 1	< 1
Beryilium	[Be]	< 1	< 1
Boron	[B]	< 10	< 10
Antimony	[Sb]	10	< 5
Yttrium	[Y]	10	8
Scandium	[Sc]	10	2
Tungsten	[W]	< 10	< 10
Niobium	[Nb]	< 10	< 10
Thorium	[Th]	20	10
Arsenic	[As]	55	95
Bismuth	[Bi]	25	10
Tin	[Sn]	< 10	< 10
Lithium	[Li]	20	5
Holmium	[Ho]	< 10	< 10

DATE : AUG-13-1990

SIGNED : Bernie Dunn

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Aqua-Regia Digestion

PRIME EXPLORATION LTD
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V6C 2X6
ATTN: J. FOSTER PROJECT: 9060021 - HI-TEC P.O. R-2038

T.S.L. REPORT No. : S - 9248 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14617

ALL RESULTS PPM

ELEMENT		90-CJR 010	90-CJR 011	90-CJR 012	90-CJR 013	90-CJR 014	90-CJR 015	90-CJR 016	90-CJR 017	90-CJR 018	90-CJR 019
Aluminum	[Al]	14000	16000	19000	2600	2500	2600	2000	1900	1900	2000
Iron	[Fe]	34000	36000	31000	15000	16000	19000	13000	11000	11000	17000
Calcium	[Ca]	15000	18000	9600	9500	11000	9700	33000	9000	14000	16000
Magnesium	[Mg]	6800	6800	6000	3300	2600	3400	1800	2500	2100	1200
Sodium	[Na]	200	140	140	140	160	160	150	70	110	130
Potassium	[K]	1200	1100	1400	1100	1400	1700	1300	1100	1300	1200
Titanium	[Ti]	1400	980	85	18	19	22	11	12	15	14
Manganese	[Mn]	660	850	1000	250	250	200	480	170	350	270
Phosphorus	[P]	1700	1700	860	300	420	380	300	260	520	380
Barium	[Ba]	53	63	160	82	73	62	38	41	86	57
Chromium	[Cr]	17	16	7	42	28	36	26	9	12	14
Zirconium	[Zr]	15	14	7	3	3	5	3	2	3	3
Copper	[Cu]	88	83	150	130	66	79	73	27	40	160
Nickel	[Ni]	9	12	4	19	23	44	12	6	14	12
Lead	[Pb]	2	< 1	3	4	5	7	3	2	4	3
Zinc	[Zn]	56	62	80	39	30	47	19	44	24	22
Vanadium	[V]	140	120	49	7	6	5	5	1	2	5
Strontium	[Sr]	55	68	57	53	49	63	100	33	120	63
Cobalt	[Co]	15	17	11	5	7	8	4	3	5	7
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2	12
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	20	15	< 5	< 5	10	< 5
Yttrium	[Y]	9	9	7	5	5	6	7	6	6	6
Scandium	[Sc]	7	10	3	1	1	2	1	1	< 1	1
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]	40	30	30	50	< 10	20	< 10	< 10	< 10	< 10
Arsenic	[As]	< 5	< 5	< 5	10	< 5	610	55	5	60	5
Bismuth	[Bi]	25	25	15	< 5	< 5	5	10	< 5	5	10
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	15	20	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-14-1990

SIGNED : Bernie Dunn

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 10-608 WEST HASTINGS ST
VANCOUVER, B.C.
V6C 2X6
ATTN: J. FOSTER PROJECT: 90BC021 - HI-TEC P.O. P-2038

T.S.L. REPORT No. : S - 9248 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 14617

ALL RESULTS PPM

ELEMENT		90-CJR 020	90-CJR 021	90-CJR 022	90-CJR 023	90-CJR 024	90-CJR 025	90-CJR 026	90-CJR 027	90-CJR 028	90-CJR 029
Aluminum	[Al]	1700	1900	2200	2600	1800	2600	1900	1600	1900	7100
Iron	[Fe]	31000	21000	14000	13000	25000	25000	24000	13000	6800	27000
Calcium	[Ca]	17000	20000	27000	19000	28000	11000	30000	6600	6200	25000
Magnesium	[Mg]	1900	3600	3900	1600	4800	3700	5100	2200	1900	8500
Sodium	[Na]	90	70	110	150	40	40	30	40	10	130
Potassium	[K]	970	1400	400	1600	960	1300	970	650	340	420
Titanium	[Ti]	13	9	6	4	6	9	3	4	4	9
Manganese	[Mn]	340	300	640	660	780	680	810	250	240	680
Phosphorus	[P]	320	170	160	380	310	450	240	160	54	190
Barium	[Ba]	26	150	38	81	160	110	1000	210	2400	550
Chromium	[Cr]	22	16	37	7	13	9	11	11	14	60
Zirconium	[Zr]	7	4	3	2	5	7	4	2	< 1	9
Copper	[Cu]	230	100	11	1	16	46	5	21	7	31
Nickel	[Ni]	21	23	22	2	5	10	4	4	1	52
Lead	[Pb]	3	11	3	6	3	9	< 1	14	6	< 1
Zinc	[Zn]	41	24	23	33	34	89	42	36	19	43
Vanadium	[V]	6	4	9	5	10	11	7	4	6	65
Strontium	[Sr]	67	80	200	220	120	48	110	26	25	130
Cobalt	[Co]	6	5	4	3	7	11	5	2	4	18
Molybdenum	[Mo]	60	24	< 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]	35	20	5	< 5	10	5	5	150	40	20
Yttrium	[Y]	7	6	5	7	8	11	7	3	2	7
Scandium	[Sc]	1	1	4	2	2	2	2	< 1	< 1	11
Tungsten	[W]	30	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	70	50	30	< 10	30	20	30	< 10	< 10	30
Arsenic	[As]	320	60	< 5	< 5	260	100	30	30000	2000	400
Bismuth	[Bi]	10	10	10	< 5	10	10	15	< 5	< 5	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-14-1990

SIGNED : Bernie Dunn

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: 90BC021 - HI-TEC P.O. R-203B

T.S.L. REPORT No. : S - 9248 - 3
T.S.L. File No. :
T.S.L. Invoice No. : 14617

ALL RESULTS PPM

ELEMENT		90-CJR 030	90-CJR 031	90-CJR 032	90-CJR 033	90-CJR 034	90-CJR 035	90-CJR 036	90-CJR 037	90-CJR 038	90-CJR 039
Aluminum	[Al]	20000	15000	3500	9000	1700	2100	490	1000	390	200
Iron	[Fe]	27000	26000	27000	31000	28000	31000	2900	23000	14000	11000
Calcium	[Ca]	24000	36000	3300	35000	3500	1600	320	11000	1600	7100
Magnesium	[Mg]	9100	8700	2800	6300	970	410	130	2500	420	2100
Sodium	[Na]	130	110	80	170	60	50	20	110	50	40
Potassium	[K]	760	660	900	700	1000	1200	250	720	250	120
Titanium	[Ti]	52	29	9	16	6	5	3	11	4	2
Manganese	[Mn]	530	570	70	530	89	16	27	200	60	140
Phosphorus	[P]	150	130	470	560	110	550	42	390	32	6
Barium	[Ba]	260	140	65	97	68	42	1400	130	52	66
Chromium	[Cr]	100	83	18	45	35	9	10	14	62	31
Zirconium	[Zr]	6	6	4	7	2	5	< 1	2	< 1	< 1
Copper	[Cu]	35	35	21	33	100	67	6	94	100	32
Nickel	[Ni]	69	76	38	34	7	44	3	26	8	5
Lead	[Pb]	< 1	< 1	5	< 1	8	10	3	120	10	2500
Zinc	[Zn]	23	30	410	56	560	820	50	27	15	4500
Vanadium	[V]	69	58	31	73	7	21	2	4	2	2
Strontium	[Sr]	110	170	19	95	15	14	63	75	17	24
Cobalt	[Co]	19	20	5	15	4	5	2	8	6	1
Molybdenum	[Mo]	< 2	< 2	16	< 2	10	16	< 2	6	< 2	10
Silver	[Ag]	2	< 1	2	< 1	< 1	4	< 1	4	< 1	36
Cadmium	[Cd]	< 1	< 1	2	< 1	19	10	< 1	< 1	< 1	170
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]	15	5	5	< 5	45	10	< 5	20	5	5
Yttrium	[Y]	7	7	4	9	2	5	< 1	4	< 1	< 1
Scandium	[Sc]	13	12	3	10	1	2	< 1	1	< 1	< 1
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	10	20	< 10	< 10	< 10	< 10	< 10	< 10
Arsenic	[As]	5	65	30	35	100	85	380	50	330	75
Bismuth	[Bi]	35	30	5	25	< 5	< 5	< 5	40	< 5	75
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	30	25	< 5	15	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-14-1990

SIGNED : Bernie Quinn

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

Aqua-Regia Digestion

PRIME EXPLORATION LTD
10TH FLOOR,BOX 10-808 WEST HASTINGS ST
VANCOUVER. B.C.
V6C 2X6
ATTN: J. FOSTER PROJECT: 90BC021 - HI-TEC P.O. R-203B

T.S.L. REPORT No. : S - 9248 - A
T.S.L. File No. :
T.S.L. Invoice No. : 14617

ALL RESULTS PPM

ELEMENT		90-CJR 040	90-CJR 041	90-CJR 042	90-CJR 043	90-CJR 044	90-CJR 045	90-CJR 046	90-CJR 047	90-CP6 003	90-CP6 005
Aluminum	[Al]	1900	3400	2200	1200	2900	22000	2700	3000	2200	1500
Iron	[Fe]	55000	32000	32000	21000	34000	26000	29000	16000	63000	37000
Calcium	[Ca]	1900	24000	16000	55000	5700	43000	5500	13000	3400	42000
Magnesium	[Mg]	770	5500	4400	8400	2200	8700	2500	3600	1400	6200
Sodium	[Na]	40	110	90	80	60	180	50	60	70	50
Potassium	[K]	1300	1200	1400	270	1500	930	1100	1600	1300	1100
Titanium	[Ti]	6	8	5	3	5	49	6	7	12	9
Manganese	[Mn]	46	550	370	460	130	520	180	660	200	1500
Phosphorus	[P]	270	620	820	14	360	90	320	390	72	58
Barium	[Ba]	30	59	38	61	110	130	22	170	37	170
Chromium	[Cr]	11	25	19	29	14	100	19	19	46	33
Zirconium	[Zr]	6	4	4	4	4	6	2	3	3	5
Copper	[Cu]	180	39	32	11	64	37	19	6	490	45
Nickel	[Ni]	59	26	35	13	45	74	9	4	36	15
Lead	[Pb]	120	17	12	< 1	7	1	20	4	5	3
Zinc	[Zn]	590	77	180	26	560	64	29	46	34	100
Vanadium	[V]	14	13	10	28	19	54	6	6	27	13
Strontium	[Sr]	12	100	81	180	35	160	25	32	19	180
Cobalt	[Co]	6	14	10	4	8	18	7	4	28	2
Molybdenum	[Mo]	20	< 2	4	< 2	8	< 2	2	< 2	6	24
Silver	[Ag]	4	< 1	1	< 1	2	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	1	1	3	< 1	13	< 1	3	< 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]	25	5	10	20	10	10	15	< 5	5	25
Yttrium	[Y]	4	12	11	4	7	6	3	4	4	6
Scandium	[Sc]	2	5	3	5	3	11	2	1	3	5
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10	70
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	30	20	40	10	< 10	< 10	40	20	40
Arsenic	[As]	460	35	35	35	180	10	1800	200	35	20
Bismuth	[Bi]	15	20	15	30	10	35	5	10	15	30
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5	< 5	40	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-14-1990

SIGNED : Bernie Dunn

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

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-21 - HI-TEC P.O. R-2091

T.S.L. REPORT No. : S - 9339 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14662

ALL RESULTS PPM

ELEMENT		90-CKR 001	90-CKR 002	90-CKR 003	90-CKR 004	90-CKR 005	90-CKR 006	90-CKR 007	90-CKR 008	90-CKR 009	90-CKR 010
Aluminum	[Al]	1300	1900	1800	1500	1300	1600	1600	1500	1900	1400
Iron	[Fe]	19000	19000	20000	15000	11000	13000	11000	14000	26000	25000
Calcium	[Ca]	17000	21000	14000	11000	5300	9400	7800	7500	5600	43000
Magnesium	[Mg]	2900	3200	2400	2300	1700	1700	2400	1800	250	5900
Sodium	[Na]	130	160	180	160	160	150	180	150	70	60
Potassium	[K]	960	1300	1300	1200	910	1200	1100	1200	1100	740
Titanium	[Ti]	28	35	13	10	10	12	11	8	5	5
Manganese	[Mn]	260	300	210	170	100	120	130	140	63	690
Phosphorus	[P]	250	260	270	330	280	300	230	240	2500	240
Barium	[Ba]	47	82	59	64	41	58	41	67	63	67
Chromium	[Cr]	30	32	35	28	36	30	36	39	14	38
Zirconium	[Zr]	2	3	3	2	2	3	2	2	3	5
Copper	[Cu]	80	93	100	32	13	60	17	37	30	28
Nickel	[Ni]	27	27	20	22	12	27	14	19	22	64
Lead	[Pb]	6	7	6	8	3	9	5	14	9	< 1
Zinc	[Zn]	29	29	24	31	41	26	22	27	250	55
Vanadium	[V]	16	17	6	6	4	4	3	3	11	21
Strontium	[Sr]	69	93	54	46	28	42	37	42	30	110
Cobalt	[Co]	7	7	7	5	4	5	3	5	4	16
Molybdenum	[Mo]	< 2	4	< 2	< 2	< 2	< 2	< 2	< 2	10	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	2
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	10	10
Yttrium	[Y]	4	5	4	4	3	4	3	4	11	8
Scandium	[Sc]	2	2	< 1	1	< 1	< 1	< 1	< 1	2	7
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]	10	20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	20
Arsenic	[As]	< 5	15	10	35	< 5	< 5	< 5	45	85	130
Bismuth	[Bi]	15	10	10	5	< 5	< 5	< 5	< 5	< 5	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-16-1990

SIGNED : Bernie Dunn

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
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-BC-21 - HI-TEC P.O. A-2091

T.S.L. REPORT No. : S - 9339 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 14662

ALL RESULTS PPM

ELEMENT		90-CKR 011	90-CKR 012	90-CKR 013	90-CKR 014
Aluminum	[Al]	5700	5300	4500	1400
Iron	[Fe]	28000	33000	30000	11000
Calcium	[Ca]	49000	45000	58000	7300
Magnesium	[Mg]	6800	7800	8600	2900
Sodium	[Na]	90	100	140	40
Potassium	[K]	930	580	640	430
Titanium	[Ti]	6	5	9	4
Manganese	[Mn]	730	780	670	190
Phosphorus	[P]	240	160	92	84
Barium	[Ba]	71	87	190	330
Chromium	[Cr]	59	69	52	33
Zirconium	[Zr]	6	8	8	2
Copper	[Cu]	34	37	32	12
Nickel	[Ni]	88	82	39	13
Lead	[Pb]	< 1	< 1	< 1	7
Zinc	[Zn]	43	50	28	27
Vanadium	[V]	36	57	46	9
Strontium	[Sr]	150	160	270	43
Cobalt	[Co]	20	19	12	4
Molybdenum	[Mo]	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	2	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10
Antimony	[Sb]	30	20	20	55
Yttrium	[Y]	8	8	6	2
Scandium	[Sc]	7	12	12	2
Tungsten	[W]	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10
Thorium	[Th]	10	30	40	< 10
Arsenic	[As]	90	110	35	14000
Bismuth	[Bi]	25	25	30	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10
Lithium	[Li]	15	15	15	5
Holmium	[Ho]	< 10	< 10	10	< 10

DATE : AUG-16-1990

SIGNED : Bernie Dunn

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

Aqua-Regia Digestion

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Vancouver B.C. V6C 2X6
ATTN: J. FOSTER PROJECT: 90-BC-021 - HI-TEC P.O. R-2034

T.S.L. REPORT No. : S - 9288 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14663

ALL RESULTS PPM

ELEMENT		90-CPS 001	90-CPS 002	90-CPS 003	90-CPS 004	90-CPS 005	90-CPS 006	90-CPS 007	90-CPS 008	90-CDL 001	90-CDL 002
Aluminum	[Al]	12000	19000	9200	54000	48000	13000	14000	28000	15000	14000
Iron	[Fe]	31000	38000	35000	52000	47000	41000	36000	40000	29000	42000
Calcium	[Ca]	1300	2700	3600	5800	1700	1100	2700	520	3300	4800
Magnesium	[Mg]	4600	4100	3300	5500	3900	3200	4300	3300	5600	4900
Sodium	[Na]	100	160	490	2600	590	170	940	90	110	130
Potassium	[K]	310	430	1000	820	290	430	700	390	450	460
Titanium	[Ti]	170	1400	480	5100	5100	830	1200	1200	220	180
Manganese	[Mn]	420	910	760	920	830	950	910	380	450	1700
Phosphorus	[P]	400	740	550	850	490	610	810	1300	520	680
Barium	[Ba]	67	110	270	88	62	84	84	43	90	160
Chromium	[Cr]	34	30	9	37	27	34	39	47	52	130
Zirconium	[Zr]	3	6	3	55	34	5	4	7	3	3
Copper	[Cu]	38	40	65	13	20	53	36	76	31	33
Nickel	[Ni]	75	63	18	26	33	100	61	47	79	120
Lead	[Pb]	8	7	30	< 1	< 1	12	10	11	5	9
Zinc	[Zn]	140	150	120	46	71	130	130	87	100	130
Vanadium	[V]	33	54	31	150	130	41	51	55	34	29
Strontium	[Sr]	17	46	36	63	19	17	30	6	49	88
Cobalt	[Co]	14	19	14	31	23	27	19	8	11	16
Molybdenum	[Mo]	< 2	< 2	< 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]	6	9	10	15	15	6	5	7	6	9
Scandium	[Sc]	4	5	4	13	10	6	3	4	3	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	80	10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	20	40	30	30	30	20	20	20	< 10
Arsenic	[As]	10	35	35	< 5	< 5	30	20	15	10	< 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]	25	30	10	5	10	15	15	20	30	25
Holmium	[Ho]	< 10	< 10	< 10	20	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-16-1990

SIGNED : Bernie Ann

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-021 - HI-TEC P.O. R-2034

T.S.L. REPORT No. : S - 9288 - 2
T.S.L. File No. :
T.S.L. Invoice No. : 14663

ALL RESULTS PPM

ELEMENT	90-CDL 003	90-CDL 004	90-CTL 001	90-CTL 002	90-CTL 003	90-CJL 001	90-CJL 002	90-CJL 003	90-CJL 004	90-CJL 005
Aluminum [Al]	7200	13000	43000	34000	35000	13000	13000	11000	11000	11000
Iron [Fe]	34000	32000	50000	47000	45000	34000	33000	32000	30000	29000
Calcium [Ca]	3600	1800	16000	8300	7500	2100	2100	2000	2000	2300
Magnesium [Mg]	3200	4500	7000	6300	5700	5300	5200	5000	4800	4800
Sodium [Na]	220	310	5100	3400	2500	290	210	200	160	210
Potassium [K]	650	360	2500	1200	880	380	360	320	340	330
Titanium [Ti]	180	1100	5100	5100	5100	360	140	120	120	260
Manganese [Mn]	630	500	770	920	860	420	400	360	370	400
Phosphorus [P]	640	530	950	870	820	450	440	400	430	450
Barium [Ba]	100	58	170	150	140	57	64	57	65	61
Chromium [Cr]	100	41	140	110	51	41	38	34	33	31
Zirconium [Zr]	4	4	45	29	31	5	4	4	4	4
Copper [Cu]	43	29	14	17	10	42	46	42	39	33
Nickel [Ni]	100	66	87	90	64	93	92	92	83	75
Lead [Pb]	12	9	< 1	< 1	< 1	8	8	6	8	6
Zinc [Zn]	140	110	97	120	150	180	170	160	160	140
Vanadium [V]	30	41	130	110	100	35	32	31	28	30
Strontium [Sr]	56	30	170	90	81	32	33	32	31	40
Cobalt [Co]	15	13	22	21	18	14	14	13	12	12
Molybdenum [Mo]	< 2	< 2	< 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	2	2	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]	25	< 5	< 5	< 5	< 5	5	< 5	< 5	< 5	< 5
Yttrium [Y]	8	8	15	12	11	6	6	5	5	5
Scandium [Sc]	3	4	12	9	8	5	5	5	4	4
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	40	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	< 10	20	< 10	< 10	30	30	20	10	30	30
Arsenic [As]	40	15	< 5	10	15	25	15	15	25	15
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]	15	20	15	20	10	30	30	30	25	25
Holmium [Ho]	< 10	< 10	30	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-16-1990

SIGNED : Bernie Dunn

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 SCAN90FHP
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-021 - HI-TEC P.O. R-2034

T.S.L. REPORT No. : S - 9288 - 3
T.S.L. File No. :
T.S.L. Invoice No. : 14663

ALL RESULTS PPM

ELEMENT		90-CIL 005A
Aluminum	[Al]	18000
Iron	[Fe]	39000
Calcium	[Ca]	2900
Magnesium	[Mg]	5000
Sodium	[Na]	1100
Potassium	[K]	640
Titanium	[Ti]	1800
Manganese	[Mn]	710
Phosphorus	[P]	560
Barium	[Ba]	100
Chromium	[Cr]	33
Zirconium	[Zr]	15
Copper	[Cu]	40
Nickel	[Ni]	72
Lead	[Pb]	8
Zinc	[Zn]	150
Vanadium	[V]	64
Strontium	[Sr]	36
Cobalt	[Co]	19
Molybdenum	[Mo]	< 2
Silver	[Ag]	< 1
Cadmium	[Cd]	< 1
Beryllium	[Be]	< 1
Boron	[B]	< 10
Antimony	[Sb]	< 5
Yttrium	[Y]	10
Scandium	[Sc]	7
Tungsten	[W]	< 10
Niobium	[Nb]	< 10
Thorium	[Th]	30
Arsenic	[As]	10
Bismuth	[Bi]	< 5
Tin	[Sn]	< 10
Lithium	[Li]	20
Holmium	[Ho]	< 10

DATE : AUG-16-1990

SIGNED : Bernie Dunn

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.
S9334

INVOICE #: 14683
P.O.: R-2057

SAMPLE(S) OF Silt

D. Collins
Project: 90-BC-021

REMARKS: Hi - Tec Resources

	Hg ppb
90-CTL-004	100
90-CTL-005	70
90-CPS-010	110

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

Aug 16/90

SIGNED Bernie Ouen

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-021 - HI-TEC P.O. R-2057

T.S.L. REPORT No. : S - 9334 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14683

ALL RESULTS PPM

ELEMENT		90-CTL-004	90-CTL-005	90-CPS-010
Aluminum	[Al]	21000	31000	40000
Iron	[Fe]	31000	28000	48000
Calcium	[Ca]	3900	4700	920
Magnesium	[Mg]	5000	3700	3900
Sodium	[Na]	730	1200	100
Potassium	[K]	430	510	120
Titanium	[Ti]	2400	5200	4500
Manganese	[Mn]	810	940	970
Phosphorus	[P]	540	670	550
Barium	[Ba]	150	140	67
Chromium	[Cr]	33	25	30
Zirconium	[Zr]	10	30	28
Copper	[Cu]	16	16	28
Nickel	[Ni]	58	39	28
Lead	[Pb]	7	9	12
Zinc	[Zn]	190	150	56
Vanadium	[V]	71	100	110
Strontium	[Sr]	41	53	11
Cobalt	[Co]	16	17	22
Molybdenum	[Mo]	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1
Cadmium	[Cd]	< 1	1	< 1
Beryllium	[Be]	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5
Yttrium	[Y]	9	14	20
Scandium	[Sc]	4	7	11
Tungsten	[W]	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10
Thorium	[Th]	20	20	20
Arsenic	[As]	10	< 5	< 5
Bismuth	[Bi]	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10
Lithium	[Li]	15	10	10
Holmium	[Ho]	< 10	< 10	< 10

DATE : AUG-16-1990

SIGNED : Bernice Ann

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. S9614

INVOICE #: 14736
P.O.: R-2057

SAMPLE(S) OF Silt

D. Collins
Project: 90-BC-021

REMARKS: Hi - Tec Resources

	Au ppb
90-CTL-004	5
90-CTL-005	10
90-CPS-010	10

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

Aug 20/90

SIGNED Bernie Dunn

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 021 HI-TEC RESOURCES

T.S.L. REPORT No. : S - 9612 - 1
T.S.L. File No. : E:M7704
T.S.L. Invoice No. : 15237

ALL RESULTS PPM

ELEMENT		90CJH001	90CJH002	90CJH003	90CJH004	90CJH005	90CPH001	90CPH002	90CDH001
Aluminum	[Al]	4700	6100	6900	5600	6200	6200	5200	6100
Iron	[Fe]	84000	110000	130000	95000	61000	94000	130000	67000
Calcium	[Ca]	3600	4400	7600	5900	3300	6000	10000	4000
Magnesium	[Mg]	8500	11000	11000	4500	6200	7500	7300	7700
Sodium	[Na]	430	510	400	340	330	510	250	2100
Potassium	[K]	190	230	260	350	150	220	180	720
Titanium	[Ti]	1100	1200	860	340	970	1100	360	1600
Manganese	[Mn]	910	970	900	1200	980	890	1100	830
Phosphorus	[P]	950	1300	2100	2000	690	1400	1300	360
Barium	[Ba]	41	60	67	7.2	59	39	11	49
Chromium	[Cr]	39	38	54	16	29	39	38	18
Zirconium	[Zr]	18	26	32	25	16	28	36	15
Copper	[Cu]	120	190	430	310	37	150	450	33
Nickel	[Ni]	140	170	210	60	100	150	210	120
Lead	[Pb]	27	29	63	100	9.8	36	51	13
Zinc	[Zn]	310	510	680	320	100	490	1300	110
Vanadium	[V]	35	50	53	27	36	44	43	36
Strontium	[Sr]	58	87	160	47	23	120	260	51
Cobalt	[Co]	53	50	54	38	55	42	46	59
Molybdenum	[Mo]	< 2	< 3	< 3.5	8.4	< 1.3	< 2	< 2.5	< 1.6
Silver	[Ag]	< 1	< 1.5	< 1.8	3.0	< 0.65	< 1	< 1.3	< 0.8
Cadmium	[Cd]	< 1	< 1.5	1.8	< 0.6	< 0.65	3	8.8	< 0.8
Beryllium	[Be]	< 1	< 1.5	< 1.8	0.6	< 0.65	< 1	< 1.3	< 0.8
Boron	[B]	< 10	< 15	< 18	< 6	< 6.5	< 10	< 13	< 8
Antimony	[Sb]	30	30	26	15	16	35	6.3	28
Yttrium	[Y]	10	14	21	22	8.5	15	15	5.6
Scandium	[Sc]	7	9.0	11	6.0	4.6	9	11	4.8
Tungsten	[W]	< 10	< 15	< 18	< 6	< 6.5	10	13	< 8
Niobium	[Nb]	< 10	< 15	< 18	< 6	< 6.5	< 10	< 13	< 8
Thorium	[Th]	70	75	70	60	46	70	75	64
Arsenic	[As]	70	53	110	160	13	85	75	8
Bismuth	[Bi]	< 5	< 7.5	< 8.8	6	< 3.3	< 5	< 6.3	< 4
Tin	[Sn]	< 10	< 15	< 18	< 6	< 6.5	70	38	< 8
Lithium	[Li]	75	120	140	36	46	60	56	24
Holmium	[Ho]	20	15	35	< 6	13	20	< 13	< 8

DATE : SEP-05-1990

SIGNED : Bernie Dunn

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 021 HI-TEC RESOURCES

T.S.L. REPORT No. : S - 9612 - 2
T.S.L. File No. : E:M7704
T.S.L. Invoice No. : 15237

ALL RESULTS PPM

ELEMENT		90CDH002	90CDH003	90CDH004	90CDH005
Aluminum	[Al]	4600	6000	7000	10000
Iron	[Fe]	95000	160000	130000	34000
Calcium	[Ca]	3700	5000	3600	5000
Magnesium	[Mg]	19000	23000	11000	2000
Sodium	[Na]	1200	560	390	130
Potassium	[K]	430	350	280	120
Titanium	[Ti]	3200	2900	1200	320
Manganese	[Mn]	1100	1000	1100	400
Phosphorus	[P]	370	1500	1100	1300
Barium	[Ba]	85	860	130	4.2
Chromium	[Cr]	30	98	60	20
Zirconium	[Zr]	15	21	23	10
Copper	[Cu]	28	250	230	150
Nickel	[Ni]	130	180	190	17
Lead	[Pb]	20	91	49	9.9
Zinc	[Zn]	130	350	450	97
Vanadium	[V]	65	70	54	73
Strontium	[Sr]	48	77	56	29
Cobalt	[Co]	63	49	51	17
Molybdenum	[Mo]	< 5	< 14	< 3.5	< 0.6
Silver	[Ag]	< 2.5	< 7	< 1.8	0.3
Cadmium	[Cd]	< 2.5	< 7	< 1.8	< 0.3
Beryllium	[Be]	< 2.5	< 7	< 1.8	< 0.3
Boron	[B]	< 25	< 70	< 18	< 3
Antimony	[Sb]	38	< 35	26	< 1.5
Yttrium	[Y]	5.0	14	18	10
Scandium	[Sc]	5.0	< 7	7.0	2.7
Tungsten	[W]	< 25	< 70	< 18	< 3
Niobium	[Nb]	< 25	< 70	< 18	< 3
Thorium	[Th]	100	280	88	21
Arsenic	[As]	25	70	88	27
Bismuth	[Bi]	< 13	< 35	< 8.8	< 1.5
Tin	[Sn]	75	210	18	< 3
Lithium	[Li]	130	390	79	17
Holmium	[Ho]	< 25	< 70	18	< 3

DATE : SEP-05-1990

SIGNED : Bernie Dunn

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. S9612

INVOICE #: 15263
P.O.:

SAMPLE(S) OF: Stream Sed.

D. Collins
Project: 90-BC-021

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb	Hg ppb
90CJH001	545	690
90CJH002	<40	230
90CJH003	<50	1560
90CJH004	115	730
90CJH005	50	100
90CPH001	285	440
90CPH002	<30	740
90CDH001	235	100
90CDH002	<70	<50
90CDH003	<210	3800
90CDH004	<50	100
90CDH005	75	40

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

Sep 07/90

SIGNED Bernie Owen

CTA

APPENDIX V

GEOPHYSICAL SURVEY RAW DATA

FILE: PAL1M1.MAG
MAG DATA.

EDA OMNI-IV Tie-line MAG Ser #18120
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 1 AUG 89
Operator: SOO1
Reference field: 57100.0
Datum subtracted: 0.0
Records: 82
Bat: 15.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:04:46
Base stn. Pos: 13+00 E Line: 13+25 N
Last time update: 8/01 7:33:00
Start of print: 8/01 20:04:48
#1 56109.3 .00 260.4 9:09:54 88
#2 56094.0 .00 275.7 9:17:09 88
Line: 1+00 N Date: 1 AUG 89 #3

POSITION	FIELD	ERR	DRIFT	TIME	DS
7+00 E	57045.4	.03	270.8	9:20:43	88
	-6.8				
6+75 E	57053.1	.03	270.4	9:21:59	88
	-9.2				
6+50 E	57087.8	.03	268.5	9:23:19	88
	-6.7				
6+25 E	57095.1	.03	270.4	9:24:38	88
	-4.3				
6+00 E	57105.2	.02	269.1	9:26:25	88
	-0.9				
5+75 E	57116.4	.02	270.1	9:27:22	88
	-4.3				
5+50 E	57081.9	.03	270.9	9:28:12	88
	-8.3				
5+25 E	57059.4	.03	270.4	9:29:35	88
	-6.6				
5+00 E	57009.7	.03	271.0	9:30:38	88
	-10.9				
4+75 E	57003.9	.02	271.9	9:32:45	88
	-7.0				
4+50 E	56986.8	.03	273.8	9:34:03	88
	-16.4				
4+25 E	57017.8	.02	275.5	9:35:07	88
	-3.4				
4+00 E	57021.8	.03	277.0	9:36:23	88
	-7.3				
3+75 E	57024.4	.03	279.2	9:38:59	88
	0.3				
3+50 E	57003.5	.02	280.2	9:40:04	88
	-5.8				
3+25 E	57006.4	.03	280.7	9:41:01	88
	-5.5				
3+00 E	56986.9	.03	282.2	9:42:02	88
	-7.2				
2+75 E	57020.7	.02	279.5	9:42:58	88
	-1.2				
2+50 E	57028.2	.03	279.1	9:44:07	88
	-4.6				
2+25 E	57023.6	.03	280.7	9:45:08	88
	-7.5				
2+00 E	57004.6	.03	282.3	9:46:11	88
	-11.7				
1+75 E	57023.5	.03	280.2	9:47:33	88

1+50 E	56990.7	.03	284.3	9:48:58	88
	-0.1				
1+25 E	56979.5	.02	283.8	9:50:18	88
	-3.9				
1+00 E	56969.0	.02	284.6	9:51:22	88
	-7.1				
0+75 E	56956.4	.02	284.0	9:54:52	88
	-2.3				
0+50 E	56943.5	.03	283.6	9:56:03	88
	-4.6				
0+25 E	56940.0	.03	286.5	9:57:37	88
	-7.6				
0+00 E	56946.1	.03	289.2	9:58:36	88
	-6.4				
0+25 W	56960.9	.03	292.3	10:01:54	88
	-5.5				
0+50 W	56986.1	.02	295.0	10:02:51	88
	-7.1				
0+75 W	57161.7	.03	296.4	10:03:41	88
	8.0				
1+00 W	57153.3	.03	295.5	10:04:30	88
	-1.3				
1+25 W	56985.8	.03	298.8	10:07:03	88
	-11.6				
1+50 W	56944.6	.02	298.8	10:07:59	88
	-8.9				

Line: 2+50 N Date: 1 AUG 89 #38

POSITION	FIELD	ERR	DRIFT	TIME	DS
1+50 W	57447.7	.04	301.0	10:24:04	88
	-18.5				
1+25 W	57166.2	.05	303.0	10:25:52	88
	-24.4				
1+00 W	57069.2	.03	303.8	10:27:05	88
	-8.2				
0+75 W	57036.8	.03	304.1	10:27:58	88
	-8.1				
0+50 W	57027.9	.02	304.1	10:29:03	88
	-5.1				
0+25 E	57016.7	.02	304.7	10:30:01	88
	-3.3				
0+00 E	56964.6	.03	307.1	10:31:45	88
	-5.8				
0+25 E	56917.4	.03	308.3	10:33:26	88
	-11.4				
0+50 E	56892.1	.02	308.7	10:35:17	88
	-6.3				
0+75 E	56879.0	.02	308.3	10:36:34	88
	-7.8				
1+00 E	56916.0	.03	306.2	10:38:28	88
	-1.5				
1+25 E	56923.2	.02	305.2	10:39:27	88
	-5.8				
1+50 E	56914.5	.02	304.5	10:40:21	88
	-6.4				
1+75 E	56962.8	.02	303.8	10:41:35	88
	-3.8				
2+00 E	56954.3	.03	303.3	10:42:38	88
	-6.9				
2+25 E	56965.4	.03	302.6	10:44:03	88
	-9.8				
2+50 E	56978.4	.03	301.9	10:44:54	88
	-4.1				
2+75 E	56984.7	.03	300.9	10:45:57	88
	-3.4				
3+00 E	56981.3	.02	299.7	10:47:37	88

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   3+25 E 56980.6 .02    298.4 10:48:35 88
              -4.0
   3+50 E 56989.3 .02    297.8 10:49:44 88
              -2.8
   3+75 E 56985.5 .03    290.2 10:50:40 88
              -2.9
   4+00 E 56974.1 .02    284.1 10:51:50 88
              -4.6
   [illegible]
   [illegible]
   4+00 E 56984.1 .02    285.2 11:03:48 88
              -2.7
   3+75 E 56991.1 .02    284.7 11:06:29 88
              -1.6
   3+50 E 56997.2 .02    284.8 11:09:58 88
              -1.7
   3+25 E 56977.2 .02    283.6 11:11:15 88
              -8.2
   3+00 E 56964.4 .02    282.5 11:13:18 88
              -7.7
   2+75 E 56958.9 .03    281.3 11:14:52 88
              -7.8
   2+50 E 56950.6 .03    280.4 11:18:15 88
              -5.4
   2+25 E 56943.4 .03    280.2 11:19:36 88
              -2.8
   2+00 E 56940.1 .03    279.4 11:21:10 88
              -2.4
   1+75 E 56934.3 .03    279.6 11:23:42 88
              -3.3
   1+50 E 56910.8 .03    279.1 11:25:17 88
              -5.8
   1+25 E 56899.3 .02    278.8 11:26:22 88
              -2.4
   1+00 E 56871.9 .02    280.1 11:27:37 88
              -3.8
   0+75 E 56876.7 .02    279.5 11:29:21 88
              -4.7
   0+50 E 56880.3 .03    280.3 11:31:23 88
              -1.9
   0+25 E 56908.6 .02    281.2 11:33:30 88
              -3.3
   0+00 E 56904.4 .02    281.2 11:35:29 88
              -4.9
   0+25 W 56910.3 .02    282.0 11:37:17 88
              -7.0
   0+50 W 56943.0 .03    282.5 11:39:26 88
              -4.4
   0+75 W 56985.2 .03    282.5 11:40:35 88
              -3.7
   1+00 W 57043.4 .03    282.9 11:42:19 88
              -3.7
   1+25 W 57120.6 .03    283.0 11:44:51 88
              -3.9
   1+50 W 57251.0 .03    283.2 11:45:49 88
               8.2

EOF
```

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 1 AUG 89
Operator: SOO1
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:09:20

Line 0+00 N Date 1 AUG 89 23.4 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.6	0.2	3767.	9.0	9:09:54	99	0.0	!	
#2	70.5	0.2	3764.	9.0	9:17:09	99	0.0	!	

Line 1+00 N Date 1 AUG 89 23.4 #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
7+00 E	-6.7	2.6	19.47	-3.8	9:20:43-20S	79	76.7		
6+75 E	-9.6	2.4	19.26	-5.5	9:21:59-15S	79	80.9		
6+50 E	-11.9	3.7	19.30	-6.8	9:23:19-15S	59	69.7		
6+25 E	-15.1	2.7	19.95	-8.6	9:24:38	59	80.7	-6.1	
6+00 E	-13.8	4.2	19.34	-7.8	9:26:25	58	-83.9	-4.1	-5.1
5+75 E	-12.7	5.0	19.53	-7.2	9:27:22	49	89.4	0.4	-1.9
5+50 E	-14.1	4.1	20.17	-8.0	9:28:12	59	77.4	1.2	0.8
5+25 E	-11.1	1.3	20.79	-6.3	9:29:35	39	52.2	0.7	0.9
5+00 E	3.0	3.7	20.28	1.7	9:30:38-15S	69	68.6	10.6	5.6
4+75 E	7.8	-2.5	20.32	4.5	9:32:45-15S	59	80.9	20.5	15.5
4+50 E	4.4	-2.6	19.83	2.5	9:34:03-15S	59	83.8	11.6	16.0
4+25 E	2.7	-1.3	20.20	1.5	9:35:07-10S	69	80.4	-2.2	4.7
4+00 E	0.8	-1.1	19.93	0.5	9:36:23-10S	69	70.2	-5.0	-3.6
3+75 E	-4.7	-3.4	19.87	-2.7	9:38:59	59	73.5	-6.2	-5.6
3+50 E	-3.7	-1.9	20.05	-2.1	9:40:04	69	76.6	-6.8	-6.5
3+25 E	-2.9	-0.8	19.00	-1.6	9:41:01	59	80.2	-1.5	-4.2
3+00 E	-5.9	-2.6	18.72	-3.4	9:42:02	69	83.3	-0.2	-0.9
2+75 E	-3.2	-0.8	19.17	-1.8	9:42:58	69	77.0	-1.5	-0.9
2+50 E	-2.0	-0.5	19.27	-1.1	9:44:07	69	84.3	2.1	0.3
2+25 E	-2.0	0.2	18.43	-1.1	9:45:08	59	88.6	3.0	2.5
2+00 E	-6.3	-1.4	17.84	-3.6	9:46:11	59	-76.7	-1.8	0.6
1+75 E	-9.6	-0.9	17.89	-5.4	9:47:33	69	78.7	-6.8	-4.3
1+50 E	-8.6	2.4	17.36	-4.9	9:48:58RAV	59	81.7	-5.6	-6.2
1+25 E	-11.5	3.6	17.26	-6.5	9:50:18 10S	79	77.9	-2.4	-4.0
1+00 E	-13.0	5.0	17.72	-7.4	9:51:22 10S	49	74.3	-3.6	-3.0
0+75 E	-12.6	8.4	19.38	-7.1	9:54:52 20S	69	71.5	-3.1	-3.4
0+50 E	-7.8	2.2	20.39	-4.4	9:56:03	69	62.6	2.4	-0.4
0+25 E	4.4	-7.8	20.91	2.5	9:57:37	59	60.9	12.6	7.5
0+00 E	10.3	-7.8	20.09	5.9	9:58:36 10S	59	66.9	19.9	16.2
0+25 W	7.7	-8.7	19.62	4.4	10:01:54	69	57.4	12.2	16.0
0+50 W	4.2	-7.8	19.18	2.4	10:02:51	59	75.5	-1.6	5.3
0+75 W	0.6	-8.2	18.69	0.3	10:03:41	59	65.8	-7.6	-4.6
1+00 W	-3.5	-9.0	19.06	-2.0	10:04:30	69	79.9	-8.5	-8.1
1+25 W	-7.0	-10.0	19.17	-4.0	10:07:03	79	79.8	-8.7	-8.6
1+50 W	-10.4	-10.2	19.03	-5.9	10:07:59	79	81.2	-8.2	-8.5

Line 2+50 N Date 1 AUG 89 23.4 #38

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
1+50 W	2.0	-11.1	20.40	1.1	10:24:04	69	84.8		
1+25 W	4.2	-10.7	20.42	2.4	10:25:52	69	80.5		
1+00 W	6.9	-10.0	21.07	3.9	10:27:05	69	76.5		
0+70 W	7.6	-10.2	21.70	4.3	10:27:58	69	76.6	-4.7	
0+55 W	9.3	-10.1	22.37	5.3	10:29:03	69	81.4	-3.3	-4.0
0+25 E	10.4	-11.3	22.40	5.9	10:30:01-15S	59	73.5	-3.0	-3.2
0+00 E	10.2	-12.7	23.83	5.8	10:31:45	69	83.5 #		
0+25 E	4.0	-17.4	24.98	2.2	10:33:26-20S	69	75.2	1.5	-0.8
0+50 E	-5.3	-16.8	26.53	-3.0	10:35:17-20S	79	67.0	12.0	8.7

1+00 E	-11.0	12.3	28.16	-6.3	10:38:28	10S	59	64.2	11.9	14.7
1+25 E	-12.7	13.3	28.95	-7.2	10:39:27		69	84.5	4.1	8.0
1+50 E	-16.4	12.1	29.03	-9.3	10:40:21	BOG	69	-89.0	3.8	3.9
1+75 E	-20.8	8.5	28.96	-11.7	10:41:35	10S	69	79.9	7.9	5.6
2+00 E	-23.9	5.9	28.60	-13.4	10:42:38	10S	69	86.9	8.6	8.0
2+25 E	-23.3	4.5	28.38	-13.1	10:44:03		69	88.0	5.5	7.0
2+50 E	-18.0	4.0	27.77	-10.2	10:44:54		69	-83.5	-1.8	1.8
2+75 E	-14.7	4.4	28.04	-8.4	10:45:57		69	81.7	-7.9	-4.9
3+00 E	-6.0	3.5	28.11	-3.4	10:47:33	10S	79	87.5	-11.5	-9.7
3+25 E	-1.0	2.8	28.74	-0.6	10:48:35		79	85.5	-14.6	-13.1
3+50 E	-1.6	2.2	28.92	-0.9	10:49:44	15S	69	78.5	-10.2	-12.5
3+75 E	-4.9	1.5	28.32	-2.8	10:50:43	10S	59	82.1	-0.3	-5.3
4+00 E	-5.8	1.0	28.06	-3.8	10:51:50		59	84.5	5.1	2.4

Line 4+00 N Date 1 AUG 89 23.4 #61

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
4+00 E	30.3	19.6	1.52	16.8	11:06:46		71	-86.0		
3+75 E	19.7	26.5	0.97	11.1	11:08:29		70	-71.7		
3+50 E	21.9	15.6	2.05	12.3	11:09:58		61	-77.2		
3+25 E	-8.7	26.3	0.63	-4.9	11:11:15		40	-76.7	-20.5	
3+00 E	-2.2	12.9	1.21	-1.3	11:13:18	-30S	61	-81.6	-29.6	-25.1
2+75 E	32.1	20.5	0.79	17.8	11:14:52	CREC	60	82.4	9.1	-10.3
2+50 E	49.8	20.8	1.11	26.4	11:18:15		50	87.5	50.4	29.7
2+25 E	86.7	42.0	0.84	40.9	11:19:36		50	-71.0	50.8	50.6
2+00 E	56.1	20.9	1.61	29.2	11:21:10	15S	61	-84.4	25.9	38.3
1+75 E	70.2	20.0	0.77	35.0	11:23:42	20S	50	67.9	-3.1	11.4
1+50 E	80.5	11.5	0.96	38.8	11:25:17	10S	60	-81.0	3.7	0.3
1+25 E	75.1	6.2	1.11	36.9	11:26:22		50	-80.8	11.5	7.6
1+00 E	87.8	2.3	5.48	41.2	11:27:37	CREC	64	79.7	4.3	7.9
0+75 E	83.0	3.3	1.58	39.7	11:29:21	20S	61	-82.2	5.2	4.7
0+50 E	82.7	3.2	1.16	39.6	11:31:23	30S	60	-82.2	1.2	3.2
0+25 E	30.1	-1.0	1.60	16.8	11:33:30	40S	41	-58.4	-24.5	-11.7
0+00 E	27.1	-0.2	3.20	15.2	11:35:29	35S	43	-68.5	-47.3	-35.9
0+25 W	21.5	1.7	1.30	12.1	11:37:17	35S	61	-64.1	-29.1	-38.2
0+50 W	18.7	0.7	1.23	10.6	11:39:26	10S	61	-63.0	-9.3	-19.2
0+75 W	19.4	-0.7	2.00	11.0	11:40:35	10S	51	-66.1	-5.7	-7.5
1+00 W	16.0	0.3	0.88	9.1	11:42:19	10S	50	-66.9	-2.6	-4.2
1+25 W	7.1	-2.7	4.13	4.1	11:44:51		54	-70.3	-8.4	-5.5
1+50 W	5.3	2.4	0.81	3.0	11:45:49		50	-59.6	-13.0	-10.7

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 1 AUG 89
Operator: 5001
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:10:06

Line 0+00 N Date 1 AUG 89 24.0 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	70.1	0.2	3777.	10.0	9:09:54		99	0.0	!	
#2	70.1	0.2	3777.	10.0	9:17:09		99	0.0	!	

Line 1+00 N Date 1 AUG 89 24.0 #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
7+00 E	-13.4	-2.1	10.01	-7.6	9:20:43	-20S	78	-89.5		
6+75 E	-13.4	-0.8	10.11	-7.6	9:21:59	-15S	79	-85.0		
6+50 E	-15.0	1.4	10.21	-8.5	9:23:19	-15S	68	84.2		
6+25 E	-19.9	2.3	10.23	-11.2	9:24:38		76	-82.7	-4.5	
6+00 E	-18.9	2.1	9.85	-10.7	9:26:25		56	-68.3	-5.8	-5.2

5+25 E	-18.6	-0.4	10.28	-10.5	9:29:35		67	73.7	-0.6	0.6
5+00 E	-8.3	2.9	10.09	-4.7	9:30:38	-15S	68	88.4	4.8	2.1
4+75 E	-8.5	0.3	10.06	-4.8	9:32:45	-15S	59	-83.9	11.4	8.1
4+50 E	-9.1	1.3	10.27	-5.2	9:34:03	-15S	69	-82.8	5.2	8.3
4+25 E	-7.4	1.4	10.39	-4.2	9:35:07	-10S	69	-86.2	0.1	2.6
4+00 E	-7.1	1.7	10.53	-4.1	9:36:23	-10S	69	83.0	1.7	0.9
3+75 E	-11.3	-1.1	10.65	-6.4	9:38:59		68	86.9	-1.1	0.3
3+50 E	-10.6	-1.1	10.33	-6.1	9:40:04		69	-88.9	-4.2	-2.7
3+25 E	-10.0	-0.7	9.73	-5.7	9:41:01		69	-84.9	-1.3	-2.8
3+00 E	-11.5	-2.2	9.59	-6.5	9:42:02		79	-82.3	0.3	-0.5
2+75 E	-7.0	-1.2	9.78	-4.0	9:42:58		76	-87.1	1.3	0.8
2+50 E	-5.2	-2.2	9.73	-3.0	9:44:07		69	-80.3	5.2	3.2
2+25 E	-3.1	-2.6	9.72	-1.8	9:45:08		69	-75.4	5.7	5.4
2+00 E	-5.5	-5.3	9.44	-3.1	9:46:11		69	-60.1	2.1	3.9
1+75 E	-6.5	-5.8	9.24	-3.7	9:47:33		68	-84.6	-2.0	0.0
1+50 E	-0.2	-2.3	8.72	-0.1	9:48:58	RAV	49	-80.7	1.1	-0.5
1+25 E	2.9	-0.8	8.62	1.6	9:50:18	10S	79	-82.2	8.3	4.7
1+00 E	7.6	2.7	8.88	4.3	9:51:22	10S	69	-83.2	9.7	9.0
0+75 E	10.8	7.5	9.48	6.1	9:54:52	20S	69	-78.6	8.9	9.3
0+50 E	0.8	6.2	10.32	0.5	9:56:03		69	-80.9	0.7	4.8
0+25 E	-4.8	0.5	10.64	-2.8	9:57:37		69	-85.1	-12.7	-6.0
0+00 E	-6.8	-1.6	10.70	-3.9	9:58:36	10S	69	-84.7	-13.3	-13.0
0+25 W	-8.4	-4.4	10.83	-4.8	10:01:54		79	81.5	-6.4	-9.9
0+50 W	-11.2	-4.8	10.59	-6.3	10:02:51		68	-81.3	-4.4	-5.4
0+75 W	-13.3	-5.6	10.85	-7.6	10:03:41		66	88.7	-5.2	-4.8
1+00 W	-15.0	-6.2	10.79	-8.5	10:04:30		77	-77.7	-5.0	-5.1
1+25 W	-18.8	-8.3	10.94	-10.6	10:07:03		77	-77.8	-5.2	-5.1
1+50 W	-22.9	-12.4	10.81	-12.9	10:07:59		78	-76.2	-7.4	-6.3

Line 2+50 N Date 1 AUG 89 24.0 #38

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
1+50 W	-2.3	-7.7	10.78	-1.3	10:24:04		79	-71.7		
1+25 W	-0.8	-7.4	10.78	-0.4	10:25:52		69	-76.8		
1+00 W	1.2	-6.7	10.82	0.6	10:27:05		69	-81.1		
0+75 W	1.5	-6.9	10.92	0.9	10:27:58		69	-80.4	-3.2	
0+50 W	2.7	-6.6	11.07	1.5	10:29:03		69	-76.9	-2.2	-2.7
0+25 E	1.3	-7.7	10.94	0.7	10:30:01	-15S	69	-83.4	-0.7	-1.5
0+00 E	0.8	-7.5	11.36	0.5	10:31:45		79	-72.8	#	
0+25 E	-5.2	-9.1	11.73	-3.0	10:33:26	-20S	69	-78.0	4.7	2.0
0+50 E	-9.9	-4.1	12.17	-5.6	10:35:17	-20S	79	-85.5	10.8	7.7
0+75 E	-3.6	8.0	12.48	-2.0	10:36:34	RAV	79	-71.7	5.3	8.0
1+00 E	-3.7	8.5	12.10	-2.1	10:38:28	10S	69	84.3	-4.5	0.4
1+25 E	-7.7	8.9	12.32	-4.4	10:39:27		79	-78.6	-1.1	-2.8
1+50 E	-12.7	8.3	12.53	-7.2	10:40:21	BOG	79	-73.0	7.5	3.2
1+75 E	-18.8	6.5	12.36	-10.6	10:41:35	10S	69	-85.0	11.3	9.4
2+00 E	-23.1	4.6	12.36	-13.0	10:42:38	10S	79	-78.7	12.0	11.6
2+25 E	-24.5	3.5	12.30	-13.7	10:44:03		79	-82.9	8.9	10.4
2+50 E	-20.4	3.9	12.33	-11.5	10:44:54		79	-68.8	1.6	5.2
2+75 E	-17.8	4.5	12.39	-10.1	10:45:57		69	-84.4	-5.1	-1.8
3+00 E	-8.7	4.7	12.29	-5.0	10:47:33	10S	79	-78.5	-10.1	-7.6
3+25 E	-3.3	4.7	12.22	-1.8	10:48:35		79	-80.5	-14.8	-12.5
3+50 E	-3.9	4.8	11.78	-2.2	10:49:44	15S	69	-88.7	-11.1	-13.0
3+75 E	-9.5	4.2	11.61	-5.4	10:50:43	10S	59	-85.2	0.8	-5.2
4+00 E	-13.5	4.0	11.64	-7.7	10:51:50		69	-82.9	9.1	4.9

Line 4+00 N Date 1 AUG 89 24.0 #61

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
4+00 E	23.0	16.5	11.10	12.9	11:06:46		89	-81.6		
3+75 E	20.9	17.7	11.28	11.8	11:08:29		79	-73.9		
3+50 E	17.6	14.4	11.79	10.0	11:09:58		69	-73.3		
3+25 E	9.2	9.0	10.85	5.3	11:11:15		69	-76.3	-9.4	
3+00 E	3.2	7.6	11.08	1.8	11:13:18	-30S	79	-87.8	-14.7	-12.1
2+75 E	26.1	13.1	10.64	14.6	11:14:52	CREC	69	80.4	1.1	-6.8
2+50 E	45.3	17.4	10.69	24.3	11:18:15		68	83.9	31.8	16.4
2+25 E	49.3	15.2	11.21	26.2	11:19:36		69	-78.0	34.1	32.9
2+00 E	45.1	10.0	11.95	24.2	11:21:10	15S	69	87.2	11.5	22.8
1+75 E	47.2	5.4	11.87	25.1	11:22:42	20S	59	75.2	-1.1	5.2

1+25	E	62.4	-0.6	12.49	31.9	11:26:22		59	-85.8	9.3	5.4
1+00	E	82.3	3.2	12.56	39.4	11:27:37	CREC	69	84.1	19.3	14.3
0+75	E	71.2	4.1	12.99	35.4	11:29:21	20S	69	-84.2	16.1	17.7
0+50	E	49.6	-0.1	12.61	26.4	11:31:23	30S	69	-58.4	-9.5	3.3
0+25	E	32.5	-2.7	11.61	18.0	11:33:30	40S	49	-69.1	-30.4	-20.0
0+00	E	25.1	-1.8	11.23	14.0	11:35:29	35S	49	-64.0	-29.8	-30.1
0+25	W	20.7	-1.3	11.08	11.7	11:37:17	35S	69	-63.7	-18.7	-24.3
0+50	W	17.8	-1.5	10.85	10.1	11:39:25	10S	69	-72.5	-10.2	-14.5
0+75	W	14.6	-0.8	10.82	8.4	11:40:35	10S	59	-63.2	-7.2	-8.7
1+00	W	10.4	-3.0	10.91	5.9	11:42:19	10S	69	-66.7	-7.5	-7.4
1+25	W	8.2	-4.4	10.57	4.7	11:44:51		69	-78.5	-7.9	-7.7
1+50	W	7.0	-4.9	10.41	4.0	11:45:49		69	-67.1	-5.6	-6.8

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 1 AUG 89
Operator: 5001
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:10:42
Line 0+00 N Date 1 AUG 89 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	69.7	0.1	3879.	8.0	9:09:54		99	0.0	!	
#2	69.7	0.1	3880.	8.0	9:17:09		99	0.0	!	

Line 1+00 N Date 1 AUG 89 24.8 #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
7+00 E	30.9	16.9	19.93	17.1	9:20:43	-20S	75	-15.8		
6+75 E	21.9	13.1	20.08	12.3	9:21:59	-15S	75	-12.6		
6+50 E	17.8	4.4	21.66	10.1	9:23:19	-15S	64	-23.7		
6+25 E	23.6	0.0	22.00	13.2	9:24:38		74	-8.1	-6.1	
6+00 E	21.6	2.3	21.84	12.1	9:26:25		55	9.3	2.9	-1.6
5+75 E	16.9	2.4	22.16	9.6	9:27:22		66	2.4	-1.6	0.6
5+50 E	14.5	1.8	24.57	8.2	9:28:12		64	-7.3	-7.5	-4.6
5+25 E	22.6	3.4	28.21	12.7	9:29:35		64	-24.5	-0.8	-4.2
5+00 E	35.5	2.2	27.52	19.5	9:30:38	-15S	55	-10.0	14.4	6.8
4+75 E	61.9	-11.1	24.14	31.7	9:32:45	-15S	53	-5.6	30.3	22.3
4+50 E	56.9	-19.3	20.46	29.6	9:34:03	-15S	52	-8.9	29.1	29.7
4+25 E	44.0	-17.3	19.47	23.7	9:35:07	-10S	73	-15.5	2.1	15.6
4+00 E	37.3	-14.1	19.61	20.4	9:36:23	-10S	63	-29.7	-17.2	-7.6
3+75 E	28.8	-12.2	19.84	16.1	9:38:59		74	-25.6	-16.8	-17.0
3+50 E	29.5	-6.8	20.22	16.4	9:40:04		64	-18.0	-11.6	-14.2
3+25 E	29.2	-2.3	19.14	16.2	9:41:01		64	-13.4	-3.9	-7.8
3+00 E	21.5	-5.0	18.43	12.1	9:42:02		75	-10.8	-4.2	-4.1
2+75 E	16.2	-2.3	18.80	9.2	9:42:58		76	-13.4	-11.3	-7.8
2+50 E	14.2	2.7	18.95	8.1	9:44:07		76	-8.1	-11.0	-11.2
2+25 E	8.7	6.5	18.61	5.0	9:45:08		66	-6.8	-8.2	-9.6
2+00 E	4.1	11.5	18.58	2.3	9:46:11		67	8.4	-10.0	-9.1
1+75 E	-6.3	15.9	18.02	-3.6	9:47:33		69	-14.0	-14.4	-12.2
1+50 E	-25.9	13.8	18.23	-14.5	9:48:58	RAV	69	-7.4	-25.4	-19.9
1+25 E	-40.3	8.5	20.90	-21.9	9:50:18	10S	79	-7.2	-35.1	-30.3
1+00 E	-54.7	-2.7	25.65	-28.7	9:51:22	10S	69	-9.9	-32.5	-33.8
0+75 E	-44.7	-2.7	34.46	-24.1	9:54:52	20S	69	-6.7	-16.4	-24.5
0+50 E	-12.5	-10.0	41.26	-7.1	9:56:03		69	-16.1	19.4	1.5
0+25 E	14.2	-14.6	40.29	8.0	9:57:37		66	-19.7	53.7	36.5
0+00 E	32.6	-16.0	34.28	18.1	9:58:38	10S	64	-23.7	57.3	55.5
0+25 W	34.3	-16.0	30.87	19.2	10:01:54		74	-38.2	36.4	46.8
0+50 W	35.0	-12.0	28.50	19.3	10:03:51		64	-22.8	12.4	24.4

1+00	W	29.4	-10.6	26.98	16.4	10:04:30		75	-20.7	-4.1	-2.1	
1+25	W	29.4	-8.9	27.68	16.3	10:07:03		77	-20.2	-4.5	-4.4	
1+50	W	34.5	-1.5	27.64	19.0	10:07:59		75	-16.5	0.9	-1.9	

Line 2+50 N Date 1 AUG 69 24.8 #60

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA	
1+50	W	9.0	-6.8	27.97	5.0	10:24:04		73	-11.7			
1+25	W	8.1	-7.9	27.66	5.6	10:25:32		74	-18.8			
1+00	W	11.8	-4.2	27.45	6.4	10:27:08		73	-22.5			
0+75	W	13.4	-10.5	27.85	7.6	10:27:50		79	-20.1	-8.4		
0+50	W	14.1	-10.7	27.07	8.4	10:29:02		81	-15.4	-3.8	-3.6	
0+25	W	10.1	-11.2	28.20	10.8	10:30:01-15S		71	-21.8	-4.5	-6.2	
0+00	W	10.3	-16.1	31.64	10.8	10:31:43		70	-9.8	*		
0+25	E	10.3	-20.5	34.01	9.3	10:33:18-20S		81	-17.3	-8.4	-4.1	
0+50	E	9.4	-25.1	37.32	8.5	10:35:17-20S		73	-20.5	0.9	0.1	
0+75	E	-12.6	-14.0	26.96	-7.1	10:36:34RAV		79	-1.2	21.2	12.5	
1+00	E	-19.9	8.5	27.88	-11.2	10:38:28 10S		64	-18.1	33.1	27.1	
1+25	E	-10.4	16.4	24.04	-5.9	10:39:27		77	-3.5	15.5	24.3	
1+50	E	-8.3	14.4	22.47	-4.6	10:40:21SOB		77	2.3	-10.8	2.4	
1+75	E	1.1	9.7	21.64	0.6	10:41:35 10S		68	-11.4	-15.9	-13.6	
2+00	E	8.2	5.9	20.75	4.7	10:42:38 10S		77	-10.5	-13.0	-14.5	
2+25	E	17.0	5.6	21.84	9.6	10:44:03		78	-19.5	-15.5	-14.3	
2+50	E	19.9	1.0	22.57	11.2	10:44:54		69	-9.4	-15.8	-15.5	
2+75	E	20.5	0.2	23.09	11.5	10:45:57		75	-25.8	-8.4	-12.0	
3+00	E	16.1	-6.1	23.82	9.1	10:47:33 10S		76	-19.3	0.2	-4.1	
3+25	E	11.4	-10.7	22.96	6.5	10:48:35		75	-19.2	7.1	3.6	
3+50	E	14.0	-16.2	20.84	8.0	10:49:44 15S		59	-22.7	6.1	6.6	
3+75	E	23.4	-17.4	20.16	13.1	10:50:43 10S		63	-17.9	-5.3	0.3	
4+00	E	36.2	-18.9	21.14	19.9	10:51:50		58	-19.3	-19.5	-12.6	

Line 4+00 N Date 1 AUG 69 24.8 #61

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
4+00	E	22.0	-21.2	22.43	12.4	11:06:46		66	-22.7		
3+75	E	17.3	-26.4	21.48	9.8	11:08:29		74	-15.5		
3+50	E	14.2	-10.6	21.36	7.9	11:09:58		74	-12.9		
3+25	E	22.8	-7.0	19.56	12.8	11:11:15		55	-12.3	-1.5		
3+00	E	18.6	-7.6	15.98	10.5	11:13:18-30S		64	-14.5	5.6	2.0	
2+75	E	-1.0	-14.1	15.26	-0.5	11:14:52CREC		66	-7.3	-10.7	-2.6	
2+50	E	-16.6	-19.5	17.73	-9.4	11:18:15		79	-10.0	-33.2	-22.0	
2+25	E	-23.3	-21.0	19.55	-13.1	11:19:36		59	-1.5	-32.3	-32.9	
2+00	E	-21.7	-22.9	22.07	-12.2	11:21:10 15S		66	-15.6	-15.4	-24.0	
1+75	E	-18.0	-27.4	24.26	-10.2	11:23:42 20S		56	-25.0	0.1	-7.7	
1+50	E	-9.1	-24.2	25.71	-5.2	11:25:17 10S		53	-4.7	9.9	5.0	
1+25	E	-1.0	-30.4	24.86	-0.6	11:26:22		57	-5.8	16.6	13.2	
1+00	E	-2.7	-47.2	23.35	-1.5	11:27:37CREC		67	-20.1	13.3	14.5	
0+75	E	-24.1	-45.2	27.14	-13.5	11:29:21 20S		69	-20.2	-9.2	2.0	
0+50	E	-21.6	-29.0	31.92	-12.1	11:31:23 30S		67	0.9	-23.5	-16.4	
0+25	E	-2.9	-20.9	31.59	-1.6	11:33:30 40S		55	-10.1	1.3	-11.1	
0+00	E	1.9	-19.6	29.66	1.1	11:35:29 35S		59	-5.9	25.1	13.2	
0+25	W	2.6	-17.6	29.56	1.5	11:37:17 35S		69	-6.2	16.3	20.7	
0+50	W	4.2	-14.9	28.80	2.4	11:39:26 10S		68	-14.4	4.4	10.3	
0+75	W	3.3	-14.4	28.87	1.9	11:40:35 10S		69	-5.4	1.7	3.0	
1+00	W	4.6	-11.5	29.12	2.8	11:42:19 10S		69	-8.4	0.8	1.2	
1+25	W	5.5	-10.3	28.87	3.1	11:44:51		67	-10.4	1.8	1.2	
1+50	W	3.5	-11.0	28.91	2.0	11:45:49		69	-8.1	0.4	1.0	

EOF

EDA OMNI-IV Tie-line MAG Ser #18120
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 1 AUG 89
Operator: 5001
Reference field: 57100.0
Datum subtracted: 0.0
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:04:46
Base stn. Pos: 13+00 E Line: 13+25 N
Last time update: 8/01 7:33:00
Start of print: 8/01 20:04:48
#1 56109.3 .00 260.4 9:09:54 88
#2 56094.0 .00 275.7 9:17:09 88
Line: 1+00 N Date: 1 AUG 89 #3

POSITION	FIELD	ERR	DRIFT	TIME	DS
7+00 E	57045.4	.03	270.8	9:20:43	88
	-6.8				
6+75 E	57053.1	.03	270.4	9:21:59	88
	-9.2				
6+50 E	57087.8	.03	268.5	9:23:19	88
	-6.7				
6+25 E	57095.1	.03	270.4	9:24:38	88
	-4.3				
6+00 E	57105.2	.02	269.1	9:26:25	88
	-0.9				
5+75 E	57116.4	.02	270.1	9:27:22	88
	-4.3				
5+50 E	57081.9	.03	270.9	9:28:12	88
	-8.3				
5+25 E	57059.4	.03	270.4	9:29:35	88
	-6.6				
5+00 E	57009.7	.03	271.0	9:30:38	88
	-10.9				
4+75 E	57003.9	.02	271.9	9:32:45	88
	-7.0				
4+50 E	56986.8	.03	273.8	9:34:03	88
	-16.4				
4+25 E	57017.8	.02	275.5	9:35:07	88
	-3.4				
4+00 E	57021.8	.03	277.0	9:36:23	88
	-7.3				
3+75 E	57024.4	.03	279.2	9:38:59	88
	0.3				
3+50 E	57003.5	.02	280.2	9:40:04	88
	-5.8				
3+25 E	57006.4	.03	280.7	9:41:01	88
	-5.5				

3+00 E	56986.9	.03	282.2	9:42:02	88
	-7.2				
2+75 E	57020.7	.02	279.5	9:42:58	88
	-1.2				
2+50 E	57028.2	.03	279.1	9:44:07	88
	-4.6				
2+25 E	57023.6	.03	280.7	9:45:08	88
	-7.5				
2+00 E	57004.6	.03	282.3	9:46:11	88
	-11.7				
1+75 E	57023.5	.03	283.2	9:47:33	88
	-4.1				
1+50 E	56990.7	.03	284.3	9:48:58	88
	-0.1				
1+25 E	56979.5	.02	283.8	9:50:18	88
	-3.9				
1+00 E	56969.0	.02	284.6	9:51:22	88
	-7.1				
0+75 E	56958.4	.02	284.0	9:54:52	88
	-2.3				
0+50 E	56943.5	.03	283.6	9:56:03	88
	-4.6				
0+25 E	56940.0	.03	286.5	9:57:37	88
	-7.6				
0+00 E	56948.1	.03	289.2	9:58:36	88
	-6.4				
0+25 W	56960.9	.03	292.3	10:01:54	88
	-5.5				
0+50 W	56986.1	.02	295.0	10:02:51	88
	-7.1				
0+75 W	57161.7	.03	296.4	10:03:41	88
	8.0				
1+00 W	57153.3	.03	295.5	10:04:30	88
	-1.3				
1+25 W	56985.8	.03	298.8	10:07:03	88
	-11.6				
1+50 W	56944.6	.02	298.8	10:07:59	88
	-8.9				

Line: 2+50 N Date: 1 AUG 89 #38

POSITION	FIELD	ERR	DRIFT	TIME	DS
1+50 W	57447.7	.04	301.0	10:24:04	88
	-18.5				
1+25 W	57166.2	.05	303.0	10:25:52	88
	-24.4				
1+00 W	57069.2	.03	303.8	10:27:05	88
	-8.2				
0+75 W	57036.8	.03	304.1	10:27:58	88
	-8.1				
0+50 W	57027.9	.02	304.1	10:29:03	88
	-5.1				
0+25 E	57016.7	.02	304.7	10:30:01	88
	-3.3				
0+00 E	56964.6	.03	307.1	10:31:45	88
	-5.8				

0+25 E	56917.4	.03	308.3	10:33:26	88
	-11.4				
0+50 E	56892.1	.02	308.7	10:35:17	88
	-6.3				
0+75 E	56879.0	.02	308.3	10:36:34	88
	-7.8				
1+00 E	56916.0	.03	306.2	10:38:28	88
	-1.5				
1+25 E	56923.2	.02	305.2	10:39:27	88
	-5.8				
1+50 E	56914.5	.02	304.5	10:40:21	88
	-6.4				
1+75 E	56962.8	.02	303.8	10:41:35	88
	-3.8				
2+00 E	56954.3	.03	303.3	10:42:38	88
	-6.9				
2+25 E	56965.4	.03	302.6	10:44:03	88
	-9.8				
2+50 E	56978.4	.03	301.9	10:44:54	88
	-4.1				
2+75 E	56984.7	.03	300.9	10:45:57	88
	-3.4				
3+00 E	56981.3	.02	299.7	10:47:33	88
	-4.5				
3+25 E	56980.6	.02	298.4	10:48:35	88
	-4.0				
3+50 E	56989.8	.02	297.6	10:49:44	88
	-2.8				
3+75 E	56983.6	.03	296.3	10:50:43	88
	-2.9				
4+00 E	56974.9	.02	294.8	10:51:50	88
	-4.3				

Line: 4+00 N Date: 1 AUG 89 #61

POSITION	FIELD	ERR	DRIFT	TIME	DS
4+00 E	56984.3	.02	285.2	11:06:46	88
	-2.4				
3+75 E	56991.1	.03	284.7	11:08:29	88
	-1.5				
3+50 E	56997.2	.02	284.6	11:09:58	88
	-1.7				
3+25 E	56977.2	.02	283.5	11:11:15	88
	-8.2				
3+00 E	56964.4	.02	282.5	11:13:18	88
	-7.7				
2+75 E	56953.9	.03	281.3	11:14:52	88
	-7.8				
2+50 E	56950.6	.03	280.4	11:18:15	88
	-5.4				
2+25 E	56943.4	.03	280.2	11:19:36	88
	-2.5				
2+00 E	56940.1	.03	279.4	11:21:10	88
	-2.4				
1+75 E	56924.3	.03	279.6	11:23:42	88
	-3.3				

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   1+50 E 56910.8 .03    279.1 11:25:17 88
               -5.3
   1+25 E 56893.3 .02    278.8 11:26:22 88
               -2.4
   1+00 E 56871.9 .02    280.1 11:27:37 88
               -3.8
   0+75 E 56876.7 .02    279.5 11:29:21 88
               -4.7
   0+50 E 56880.3 .03    280.3 11:31:23 88
               -1.9
   0+25 E 56903.6 .02    281.2 11:33:30 88
               -3.3
   0+00 E 56904.4 .02    281.2 11:35:29 88
               -4.9
   0+25 W 56910.9 .02    282.0 11:37:17 88
               -7.0
   0+50 W 56943.0 .03    282.5 11:39:26 88
               -4.4
   0+75 W 56985.2 .03    282.8 11:40:35 88
               -3.7
   1+00 W 57043.4 .03    282.9 11:42:19 88
               -3.7
   1+25 W 57120.6 .03    283.0 11:44:51 88
               -3.8
   1+50 W 57251.0 .03    283.2 11:45:49 88
                8.2

EOF
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OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 1 AUG 89
Operator: 5001
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:09:30

Line 0+00 N Date 1 AUG 89 23.4 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.6	0.2	3767.	9.0	9:09:54	99	0.0	!	
#2	70.5	0.2	3764.	9.0	9:17:09	99	0.0	!	

Line 1+00 N Date 1 AUG 89 23.4 #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
7+00 E	-6.7	2.6	19.47	-3.8	9:20:43	-20S 79	76.7		
6+75 E	-9.6	2.4	19.26	-5.5	9:21:59	-15S 79	80.9		
6+50 E	-11.9	3.7	19.30	-6.8	9:23:19	-15S 59	69.7		
6+25 E	-15.1	2.7	19.95	-8.6	9:24:38	59	80.7	-6.1	
6+00 E	-13.8	4.2	19.34	-7.8	9:26:25	58	-83.9	-4.1	-5.1
5+75 E	-12.7	5.0	19.53	-7.2	9:27:22	49	89.4	0.4	-1.9
5+50 E	-14.1	4.1	20.17	-8.0	9:28:12	59	77.4	1.2	0.8
5+25 E	-11.1	1.3	20.79	-6.3	9:29:35	39	52.2	0.7	0.9
5+00 E	3.0	3.7	20.28	1.7	9:30:38	-15S 69	68.6	10.6	5.6
4+75 E	7.8	-2.5	20.32	4.5	9:32:45	-15S 59	80.9	20.5	15.5
4+50 E	4.4	-2.6	19.83	2.5	9:34:03	-15S 59	83.8	11.6	16.0
4+25 E	2.7	-1.3	20.20	1.5	9:35:07	-10S 69	80.4	-2.2	4.7
4+00 E	0.8	-1.1	19.93	0.5	9:36:23	-10S 69	70.2	-5.0	-3.6
3+75 E	-4.7	-3.4	19.87	-2.7	9:38:59	59	73.6	-6.2	-5.6
3+50 E	-3.7	-1.9	20.05	-2.1	9:40:04	69	76.6	-6.8	-6.5
3+25 E	-2.9	-0.8	19.00	-1.6	9:41:01	59	80.2	-1.5	-4.2
3+00 E	-5.9	-2.6	18.72	-3.4	9:42:02	69	83.3	-0.2	-0.9
2+75 E	-3.2	-0.8	19.17	-1.8	9:42:58	69	77.0	-1.5	-0.9
2+50 E	-2.0	-0.5	19.27	-1.1	9:44:07	69	84.3	2.1	0.3
2+25 E	-2.0	0.2	18.43	-1.1	9:45:08	59	88.6	3.0	2.5
2+00 E	-6.3	-1.4	17.84	-3.6	9:46:11	59	-76.7	-1.8	0.6
1+75 E	-9.6	-0.9	17.89	-5.4	9:47:33	69	78.7	-6.8	-4.3
1+50 E	-8.6	2.4	17.36	-4.9	9:48:58	RAV 59	81.7	-5.6	-6.2
1+25 E	-11.5	3.6	17.26	-6.5	9:50:18	10S 79	77.9	-2.4	-4.0
1+00 E	-13.0	5.0	17.72	-7.4	9:51:22	10S 49	74.3	-3.6	-3.0
0+75 E	-12.6	8.4	19.38	-7.1	9:54:52	20S 69	71.5	-3.1	-3.4
0+50 E	-7.8	2.2	20.39	-4.4	9:56:03	69	62.6	2.4	-0.4
0+25 E	4.4	-7.8	20.91	2.5	9:57:37	59	60.9	12.6	7.5
0+00 E	10.3	-7.8	20.09	5.9	9:58:36	10S 59	66.9	19.9	16.2
0+25 W	7.7	-8.7	19.62	4.4	10:01:54	69	57.4	12.2	16.0
0+50 W	4.2	-7.8	19.18	2.4	10:02:51	59	75.5	-1.6	5.3
0+75 W	0.6	-8.2	18.69	0.3	10:03:41	59	65.8	-7.6	-4.6
1+00 W	-3.5	-9.0	19.06	-2.0	10:04:30	69	79.9	-8.5	-8.1
1+25 W	-7.0	-10.0	19.17	-4.0	10:07:03	79	79.8	-8.7	-8.6
1+50 W	-10.4	-10.2	19.03	-5.9	10:07:59	79	81.2	-8.2	-8.5

Line 2+50 N Date 1 AUG 89 23.4 #38

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
1+50 W	2.0	-11.1	20.40	1.1	10:24:04	69	84.8		
1+25 W	4.2	-10.7	20.42	2.4	10:25:52	69	80.5		
1+00 W	6.9	-10.0	21.07	3.9	10:27:05	69	76.5		
0+70 W	7.6	-10.2	21.70	4.3	10:27:58	69	76.6	-4.7	
0+55 W	9.3	-10.1	22.37	5.3	10:29:03	69	81.4	-3.3	-4.0
0+25 E	10.4	-11.3	22.40	5.9	10:30:01	-15S 59	73.5	-3.0	-3.2
0+00 E	10.2	-12.7	23.83	5.8	10:31:45	69	83.5	#	
0+25 E	4.0	-17.4	24.98	2.2	10:33:26	-20S 69	75.2	1.5	-0.8
0+50 E	-5.3	-16.6	26.53	-3.0	10:35:17	-20S 79	67.0	12.0	6.7
0+75 E	-11.3	2.6	28.28	-6.4	10:36:34	RAV 79	80.6	17.5	14.7
1+00 E	-11.0	12.3	28.16	-6.3	10:38:28	10S 59	64.2	11.9	14.7
1+25 E	-12.7	13.3	28.95	-7.2	10:39:27	69	84.5	4.1	8.0
1+50 E	-16.4	12.1	29.03	-9.3	10:40:21	BOG 69	-89.0	3.8	3.9
1+75 E	-20.8	8.5	28.96	-11.7	10:41:35	10S 69	79.9	7.5	5.6
2+00 E	-23.9	5.9	28.60	-13.4	10:42:38	10S 69	86.9	8.6	8.0
2+25 E	-23.3	4.5	28.33	-13.1	10:44:03	69	83.0	5.5	7.0
2+50 E	-18.0	4.0	27.77	-10.2	10:44:54	69	-83.5	-1.8	1.8
2+75 E	-14.7	4.4	28.04	-8.4	10:45:57	69	81.7	-7.9	-4.9
3+00 E	-6.0	3.5	28.11	-3.4	10:47:33	10S 79	87.5	-11.5	-9.7
3+25 E	-1.0	2.8	28.74	-0.6	10:48:35	79	85.6	-14.6	-13.1
3+50 E	-1.6	2.2	28.92	-0.9	10:49:44	15S 69	78.5	-10.3	-12.5
3+75 E	-4.9	1.5	28.32	-2.8	10:50:43	10S 59	82.1	-0.3	-5.3
4+00 E	-6.8	1.0	28.06	-3.8	10:51:50	59	84.5	5.1	2.4

Line 4+00 N Date 1 AUG 89 23.4 #61

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
4+00 E	30.3	19.6	1.52	16.8	11:06:46	71	-86.0		
3+75 E	19.7	26.5	0.97	11.1	11:08:29	70	-71.7		
3+50 E	21.9	15.6	2.05	12.3	11:09:58	61	-77.2		
3+25 E	-8.7	26.3	0.63	-4.9	11:11:15	40	-76.7	-20.5	
3+00 E	-2.2	12.9	1.21	-1.3	11:13:18	-30S 61	-81.6	-29.6	-25.1
2+75 E	32.1	20.5	0.79	17.8	11:14:52	CREC 60	82.4	9.1	-10.3
2+50 E	49.8	20.8	1.11	26.4	11:18:15	50	87.5	50.4	29.7
2+25 E	86.7	42.0	0.84	40.9	11:19:36	50	-71.0	50.8	50.6
2+00 E	56.1	20.9	1.61	29.2	11:21:10	15S 61	-84.4	25.9	38.3
1+75 E	70.2	20.0	0.77	35.0	11:23:42	20S 50	67.9	-3.1	11.4
1+50 E	80.5	11.5	0.96	38.8	11:25:17	10S 60	-81.0	3.7	0.3
1+25 E	75.1	6.2	1.11	36.9	11:26:22	50	-80.8	11.5	7.6
1+00 E	87.8	2.3	5.48	41.2	11:27:37	CREC 64	79.7	4.3	7.9
0+75 E	83.0	3.3	1.58	39.7	11:29:21	20S 61	-82.2	5.2	4.7
0+50 E	82.7	3.2	1.16	39.6	11:31:23	30S 60	-32.2	1.2	3.2
0+25 E	30.1	-1.0	1.60	16.8	11:33:30	40S 41	-58.4	-24.5	-11.7
0+00 E	27.1	-0.2	3.20	15.2	11:35:29	35S 43	-68.5	-47.3	-35.9
0+25 W	21.6	1.7	1.30	12.1	11:37:17	35S 61	-64.1	-29.1	-38.2
0+50 W	18.7	0.7	1.23	10.6	11:39:26	10S 61	-63.0	-9.3	-19.2
0+75 W	19.4	-0.7	2.00	11.0	11:40:35	10S 51	-66.1	-5.7	-7.5
1+00 W	16.0	0.3	0.88	9.1	11:42:19	10S 50	-66.9	-2.6	-4.2
1+25 W	7.1	-2.7	4.13	4.1	11:44:51	54	-70.3	-8.4	-5.5
1+50 W	5.3	2.4	0.81	3.0	11:45:49	50	-59.6	-13.0	-10.7

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 1 AUG 89
Operator: 5001
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:10:06

Line 0+00 N Date 1 AUG 89 24.0 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.1	0.2	3777.	10.0	9:09:54	99	0.0	!	
#2	70.1	0.2	3777.	10.0	9:17:09	99	0.0	!	

Line 1+00 N Date 1 AUG 89 24.0 #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
7+00 E	-13.4	-2.1	10.01	-7.6	9:20:43	-20S 78	-89.5		
6+75 E	-13.4	-0.8	10.11	-7.6	9:21:59	-15S 79	-85.0		
6+50 E	-15.0	1.4	10.21	-8.5	9:23:19	-15S 68	84.2		
6+25 E	-19.9	2.3	10.23	-11.2	9:24:38	76	-82.7	-4.5	
6+00 E	-18.9	2.1	9.85	-10.7	9:26:25	56	-68.3	-5.8	-5.2
5+75 E	-17.0	3.5	10.05	-9.6	9:27:22	67	-75.0	-0.6	-3.2
5+50 E	-18.4	2.9	10.32	-10.4	9:28:12	67	-83.5	1.9	0.6
5+25 E	-18.6	-0.4	10.28	-10.5	9:29:35	67	73.7	-0.6	0.6
5+00 E	-8.3	2.9	10.09	-4.7	9:30:38	-15S 68	88.4	4.8	2.1
4+75 E	-8.5	0.3	10.06	-4.8	9:32:45	-15S 59	-83.9	11.4	8.1
4+50 E	-9.1	1.3	10.27	-5.2	9:34:03	-15S 69	-82.8	5.2	8.3
4+25 E	-7.4	1.4	10.39	-4.2	9:35:07	-10S 69	-86.2	0.1	2.6
4+00 E	-7.1	1.7	10.53	-4.1	9:36:23	-10S 69	83.0	1.7	0.9
3+75 E	-11.3	-1.1	10.65	-6.4	9:38:59	68	86.9	-1.1	0.3
3+50 E	-10.8	-1.1	10.33	-6.1	9:40:04	68	-88.8	-4.2	-2.7
3+25 E	-10.0	-0.7	9.75	-5.7	9:41:01	68	-84.8	-1.3	-2.8
3+00 E	-11.5	-2.2	9.59	-6.5	9:42:02	78	-82.3	0.3	-0.5
2+75 E	-7.0	-1.2	9.78	-4.0	9:42:58	78	-87.1	1.3	0.8
2+50 E	-5.2	-2.2	9.73	-3.0	9:44:07	69	-80.3	5.2	3.2
2+25 E	-3.1	-2.6	9.72	-1.8	9:45:08	69	-75.4	5.7	5.4
2+00 E	-5.5	-5.3	9.44	-3.1	9:46:11	69	-60.1	2.1	3.9
1+75 E	-6.5	-5.8	9.24	-3.7	9:47:33	68	-84.8	-2.0	0.0
1+50 E	-0.2	-2.3	8.72	-0.1	9:48:58	RAV 49	-80.7	1.1	-0.5
1+25 E	2.9	-0.8	8.62	1.6	9:50:18	10S 79	-82.2	8.3	4.7
1+00 E	7.6	2.7	8.88	4.3	9:51:22	10S 69	-83.2	9.7	9.0
0+75 E	10.8	7.5	9.48	6.1	9:54:52	20S 69	-78.6	8.9	9.3
0+50 E	0.8	6.2	10.32	0.5	9:56:03	69	-80.9	0.7	4.8
0+25 E	-4.8	0.5	10.64	-2.8	9:57:37	69	-85.1	-12.7	-6.0
0+00 E	-6.8	-1.6	10.70	-3.9	9:58:36	10S 69	-84.7	-13.3	-13.0
0+25 W	-8.4	-4.4	10.83	-4.8	10:01:54	79	81.5	-6.4	-9.9
0+50 W	-11.2	-4.8	10.59	-6.3	10:02:51	68	-81.3	-4.4	-5.4
0+75 W	-13.3	-5.6	10.85	-7.6	10:03:41	66	88.7	-5.2	-4.8
1+00 W	-15.0	-6.2	10.79	-8.5	10:04:30	77	-77.7	-5.0	-5.1
1+25 W	-18.8	-8.3	10.94	-10.6	10:07:03	77	-77.8	-5.2	-5.1
1+50 W	-22.9	-12.4	10.81	-12.9	10:07:59	76	-76.2	-7.4	-6.3

Line 2+50 N Date 1 AUG 89 24.0 #38

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA

1+50 W	-2.3	-7.7	10.78	-1.3	10:24:04		79	-71.7			
1+25 W	-0.8	-7.4	10.78	-0.4	10:25:52		69	-76.8			
1+00 W	1.2	-6.7	10.82	0.6	10:27:05		69	-81.1			
0+75 W	1.5	-6.9	10.92	0.9	10:27:58		69	-80.4	-3.2		
0+50 W	2.7	-6.6	11.07	1.5	10:29:03		69	-76.9	-2.2	-2.7	
0+25 E	1.3	-7.7	10.94	0.7	10:30:01	-15S	69	-83.4	-0.7	-1.5	
0+00 E	0.8	-7.5	11.36	0.5	10:31:45		79	-72.8	#		
0+25 E	-5.2	-9.1	11.73	-3.0	10:33:26	-20S	69	-78.0	4.7	2.0	
0+50 E	-9.9	-4.1	12.17	-5.6	10:35:17	-20S	79	-85.5	10.8	7.7	
0+75 E	-3.6	8.0	12.48	-2.0	10:36:34	RAV	79	-71.7	5.3	8.0	
1+00 E	-3.7	8.5	12.10	-2.1	10:38:28	10S	69	84.3	-4.5	0.4	
1+25 E	-7.7	8.9	12.32	-4.4	10:39:27		79	-78.6	-1.1	-2.8	
1+50 E	-12.7	8.3	12.53	-7.2	10:40:21	BOG	79	-73.0	7.5	3.2	
1+75 E	-18.8	6.5	12.36	-10.6	10:41:35	10S	69	-85.0	11.3	9.4	
2+00 E	-23.1	4.6	12.36	-13.0	10:42:38	10S	79	-78.7	12.0	11.6	
2+25 E	-24.5	3.5	12.30	-13.7	10:44:03		79	-82.9	8.9	10.4	
2+50 E	-20.4	3.9	12.33	-11.5	10:44:54		79	-68.8	1.6	5.2	
2+75 E	-17.8	4.5	12.39	-10.1	10:45:57		69	-84.4	-5.1	-1.8	
3+00 E	-8.7	4.7	12.29	-5.0	10:47:33	10S	79	-78.5	-10.1	-7.6	
3+25 E	-3.3	4.7	12.22	-1.8	10:48:35		79	-80.5	-14.8	-12.5	
3+50 E	-3.9	4.8	11.78	-2.2	10:49:44	15S	69	-88.7	-11.1	-13.0	
3+75 E	-9.5	4.2	11.61	-5.4	10:50:43	10S	59	-85.2	0.8	-5.2	
4+00 E	-13.5	4.0	11.64	-7.7	10:51:50		69	-82.9	9.1	4.9	

Line 4+00 N Date 1 AUG 89 24.0 #61

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
4+00 E	23.0	16.5	11.10	12.9	11:06:46		89	-81.6		
3+75 E	20.9	17.7	11.28	11.8	11:08:29		79	-73.9		
3+50 E	17.6	14.4	11.79	10.0	11:09:58		69	-73.3		
3+25 E	9.2	9.0	10.85	5.3	11:11:15		69	-76.3	-9.4	
3+00 E	3.2	7.6	11.08	1.8	11:13:18	-30S	79	-87.8	-14.7	-12.1
2+75 E	26.1	13.1	10.64	14.6	11:14:52	CREC	69	80.4	1.1	-6.8
2+50 E	45.3	17.4	10.69	24.3	11:18:15		68	83.9	31.8	16.4
2+25 E	49.3	15.2	11.21	26.2	11:19:36		69	-78.0	34.1	32.9
2+00 E	45.1	10.0	11.95	24.2	11:21:10	15S	69	87.2	11.5	22.8
1+75 E	47.2	5.4	11.87	25.2	11:23:42	20S	59	75.2	-1.1	5.2
1+50 E	50.6	1.7	12.09	26.8	11:25:17	10S	69	-84.3	1.6	0.2
1+25 E	62.4	-0.6	12.49	31.9	11:26:22		59	-85.8	9.3	5.4
1+00 E	82.3	3.2	12.56	39.4	11:27:37	CREC	69	84.1	19.3	14.3
0+75 E	71.2	4.1	12.99	35.4	11:29:21	20S	69	-84.2	16.1	17.7
0+50 E	49.6	-0.1	12.61	26.4	11:31:23	30S	69	-58.4	-9.5	3.3
0+25 E	32.5	-2.7	11.61	18.0	11:33:30	40S	49	-69.1	-30.4	-20.0
0+00 E	25.1	-1.8	11.23	14.0	11:35:29	35S	49	-64.0	-29.8	-30.1
0+25 W	20.7	-1.3	11.08	11.7	11:37:17	35S	69	-63.7	-18.7	-24.3
0+50 W	17.8	-1.5	10.85	10.1	11:39:26	10S	69	-72.5	-10.2	-14.5
0+75 W	14.8	-0.8	10.82	8.4	11:40:35	10S	59	-63.2	-7.2	-8.7
1+00 W	10.4	-3.0	10.91	5.9	11:42:19	10S	69	-66.7	-7.5	-7.4
1+25 W	8.2	-4.4	10.57	4.7	11:44:51		69	-78.5	-7.9	-7.7
1+50 W	7.0	-4.9	10.41	4.0	11:45:49		69	-67.1	-5.6	-6.8

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 1 AUG 89
Operator: 5001
Records: 83
Bat: 16.7 Volt Lithium: 3.48 Volt
Last time update: 8/01 7:33:00
Start of print: 8/01 20:10:42

Line 0+00 N Date 1 AUG 89 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	69.7	0.1	3879.	8.0	9:09:54	99	0.0	!	
#2	69.7	0.1	3880.	8.0	9:17:09	99	0.0	!	

Line 1+00 N Date 1 AUG 89 24.8 #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
7+00 E	30.9	16.8	19.93	17.1	9:20:43	-20S 75	-15.8		
6+75 E	21.9	13.1	20.08	12.3	9:21:59	-15S 75	-12.6		
6+50 E	17.8	4.4	21.66	10.1	9:23:19	-15S 64	-23.7		
6+25 E	23.6	0.0	22.00	13.2	9:24:38	74	-8.1	-6.1	
6+00 E	21.6	2.3	21.84	12.1	9:26:25	55	9.3	2.9	-1.6
5+75 E	16.9	2.4	22.16	9.6	9:27:22	66	2.4	-1.6	0.6
5+50 E	14.5	1.8	24.57	8.2	9:28:12	64	-7.3	-7.5	-4.6
5+25 E	22.6	3.4	28.21	12.7	9:29:35	64	-24.5	-0.8	-4.2
5+00 E	35.5	2.2	27.52	19.5	9:30:38	-15S 55	-10.0	14.4	6.8
4+75 E	61.9	-11.1	24.14	31.7	9:32:45	-15S 53	-5.6	30.3	22.3
4+50 E	56.9	-19.3	20.46	29.6	9:34:03	-15S 52	-8.9	29.1	29.7
4+25 E	44.0	-17.3	19.47	23.7	9:35:07	-10S 73	-15.5	2.1	15.6
4+00 E	37.3	-14.1	19.61	20.4	9:36:23	-10S 63	-29.7	-17.2	-7.6
3+75 E	28.8	-12.2	19.84	16.1	9:38:59	74	-25.6	-16.8	-17.0
3+50 E	29.5	-6.8	20.22	16.4	9:40:04	64	-18.0	-11.6	-14.2
3+25 E	29.2	-2.3	19.14	16.2	9:41:01	64	-13.4	-3.9	-7.8
3+00 E	21.5	-5.0	18.43	12.1	9:42:02	75	-10.8	-4.2	-4.1
2+75 E	16.2	-2.3	18.80	9.2	9:42:58	76	-13.4	-11.3	-7.8
2+50 E	14.2	2.7	18.95	8.1	9:44:07	76	-8.1	-11.0	-11.2
2+25 E	8.7	6.5	18.61	5.0	9:45:08	66	-6.8	-8.2	-9.6
2+00 E	4.1	11.5	18.58	2.3	9:46:11	67	8.4	-10.0	-9.1
1+75 E	-6.3	15.9	18.02	-3.6	9:47:33	69	-14.0	-14.4	-12.2
1+50 E	-25.9	13.8	18.23	-14.5	9:48:58	RAV 69	-7.4	-25.4	-19.9
1+25 E	-40.3	8.5	20.90	-21.9	9:50:18	10S 79	-7.2	-35.1	-30.3
1+00 E	-54.7	-2.7	25.65	-28.7	9:51:22	10S 69	-9.9	-32.5	-33.8
0+75 E	-44.7	-2.7	34.46	-24.1	9:54:52	20S 69	-6.7	-16.4	-24.5
0+50 E	-12.5	-10.0	41.26	-7.1	9:56:03	69	-16.1	19.4	1.5
0+25 E	14.2	-14.6	40.29	8.0	9:57:37	66	-19.7	53.7	36.5
0+00 E	32.6	-16.0	34.28	18.1	9:58:36	10S 64	-23.7	57.3	55.5
0+25 W	34.8	-16.0	30.87	19.2	10:01:54	74	-38.2	36.4	46.8
0+50 W	35.0	-12.0	28.50	19.3	10:02:51	64	-22.8	12.4	24.4
0+75 W	32.6	-10.8	27.08	18.0	10:03:41	64	-33.4	0.0	6.2
1+00 W	29.4	-10.6	26.98	16.4	10:04:30	75	-20.7	-4.1	-2.1
1+25 W	29.4	-8.9	27.68	16.3	10:07:03	77	-20.2	-4.6	-4.4
1+50 W	34.5	-1.5	27.64	19.0	10:07:59	75	-16.5	0.9	-1.9

Line 2+50 N Date 1 AUG 89 24.8 #38

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
1+25 W	9.2	-6.5	27.97	5.2	10:24:04	79	-12.3		

1+00 W	9.9	-7.9	27.66	5.6	10:25:52		79	-18.8			
0+75 W	11.6	-9.3	27.45	6.6	10:27:05		79	-22.6			
0+50 W	13.4	-10.5	27.58	7.6	10:27:58		79	-20.5	-3.4		
0+25 W	14.9	-10.9	27.92	8.4	10:29:03		69	-15.9	-3.8	-3.6	
0+00 E	18.1	-11.2	28.80	10.3	10:30:01	-15S	79	-21.5	-4.5	-4.2	
0+00 E	18.3	-16.1	31.40	10.3	10:31:45		79	-9.5	#		
0+25 E	16.3	-20.5	34.81	9.3	10:33:26	-20S	69	-13.3	-3.6	-4.1	
0+50 E	9.8	-25.1	37.82	5.5	10:35:17	-20S	79	-20.5	3.9	0.1	
0+75 E	-12.6	-14.8	36.96	-7.1	10:36:34	RAV	79	-1.2	21.2	12.5	
1+00 E	-19.9	8.5	27.88	-11.2	10:38:28	10S	64	-18.1	33.1	27.1	
1+25 E	-10.4	16.4	24.04	-5.9	10:39:27		77	-3.6	15.5	24.3	
1+50 E	-3.3	14.4	22.47	-1.8	10:40:21	BOG	77	2.5	-10.6	2.4	
1+75 E	1.1	9.7	21.64	0.6	10:41:35	10S	68	-11.4	-15.9	-13.3	
2+00 E	8.2	6.9	20.75	4.7	10:42:38	10S	77	-10.5	-13.0	-14.5	
2+25 E	17.0	5.8	21.54	9.6	10:44:03		78	-19.5	-15.5	-14.3	
2+50 E	19.9	1.0	22.57	11.2	10:44:54		69	-9.4	-15.5	-15.5	
2+75 E	20.5	0.2	23.09	11.5	10:45:57		75	-25.8	-8.4	-12.0	
3+00 E	16.1	-6.1	23.82	9.1	10:47:33	10S	76	-19.3	0.2	-4.1	
3+25 E	11.4	-10.7	22.96	6.5	10:48:35		75	-19.2	7.1	3.6	
3+50 E	14.0	-16.2	20.84	8.0	10:49:44	15S	69	-22.7	6.1	6.6	
3+75 E	23.4	-17.4	20.16	13.1	10:50:43	10S	69	-17.9	-5.5	0.3	
4+00 E	36.2	-18.3	21.14	19.9	10:51:50		69	-19.8	-18.5	-12.0	

Line 4+00 N Date 1 AUG 89 24.8 #61

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
4+00 E	22.0	-21.2	22.43	12.4	11:06:46		86	-22.7		
3+75 E	17.3	-26.4	21.48	9.8	11:08:29		74	-15.5		
3+50 E	14.0	-18.6	21.36	7.9	11:09:58		74	-12.9		
3+25 E	22.8	-7.0	19.56	12.8	11:11:15		65	-12.6	-1.5	
3+00 E	18.6	-7.6	15.98	10.5	11:13:18	-30S	64	-14.5	5.6	2.0
2+75 E	-1.0	-14.1	15.28	-0.5	11:14:52	CREC	66	-7.8	-10.7	-2.6
2+50 E	-16.6	-19.5	17.73	-9.4	11:18:15		79	-10.0	-33.2	-22.0
2+25 E	-23.3	-21.0	19.55	-13.1	11:19:36		69	-1.5	-32.5	-32.9
2+00 E	-21.7	-22.9	22.07	-12.2	11:21:10	15S	66	-15.8	-15.4	-24.0
1+75 E	-18.0	-27.4	24.26	-10.2	11:23:42	20S	59	-25.0	0.1	-7.7
1+50 E	-9.1	-24.2	25.71	-5.2	11:25:17	10S	69	-4.7	9.9	5.0
1+25 E	-1.0	-30.4	24.86	-0.6	11:26:22		67	-5.8	16.6	13.2
1+00 E	-2.7	-47.2	23.35	-1.5	11:27:37	CREC	67	-20.1	13.3	14.9
0+75 E	-24.1	-45.2	27.14	-13.5	11:29:21	20S	69	-20.2	-9.2	2.0
0+50 E	-21.6	-29.0	31.92	-12.1	11:31:23	30S	67	0.9	-23.5	-16.4
0+25 E	-2.9	-20.9	31.59	-1.6	11:33:30	40S	59	-10.1	1.3	-11.1
0+00 E	1.9	-19.6	29.66	1.1	11:35:29	35S	59	-5.9	25.1	13.2
0+25 W	2.6	-17.6	29.56	1.5	11:37:17	35S	69	-6.2	16.3	20.7
0+50 W	4.2	-14.9	28.80	2.4	11:39:26	10S	68	-14.4	4.4	10.3
0+75 W	3.3	-14.4	28.87	1.9	11:40:35	10S	69	-5.4	1.7	3.0
1+00 W	4.8	-11.5	29.12	2.8	11:42:19	10S	69	-8.4	0.8	1.2
1+25 W	5.5	-10.3	28.87	3.1	11:44:51		67	-19.4	1.6	1.2
1+50 W	3.5	-11.0	28.91	2.0	11:45:49		69	-6.1	0.4	1.0

EOF

MAG DATA.

```
DA  OMNI-IV  Tie-line  MAG  Ser  #18120
OTAL FIELD DATA (Base stn. corrected)
 GRADIENT
ate:  1 AUG 89
perator:  5001
eference  field: 57100.0
atum subtracted:     0.0
ecords:   83
at:  16.7 Volt    Lithium:  3.48 Volt
ast time update:  8/01  7:33:00
tart  of  print:  8/01 20:04:46
ase stn.  Pos: 13+00 E  Line: 13+25 N
ast time update:  8/01  7:33:00
tart  of  print:  8/01 20:04:48
   #1   56109.3 .00   260.4  9:09:54 88
   #2   56094.0 .00   275.7  9:17:09 88
ine:   1+00 N   Date:  1 AUG 89     #3
OSITION  FIELD  ERR   DRIFT   TIME   DS
 7+00 E 57045.4 .03   270.8  9:20:43 88
            -6.8
 6+75 E 57053.1 .03   270.4  9:21:59 88
            -9.2
 6+50 E 57087.8 .03   268.5  9:23:19 88
            -6.7
 6+25 E 57095.1 .03   270.4  9:24:38 88
            -4.3
 6+00 E 57105.2 .02   269.1  9:26:25 88
            -0.9
 5+75 E 57116.4 .02   270.1  9:27:22 88
            -4.3
 5+50 E 57081.9 .03   270.9  9:28:12 88
            -8.3
 5+25 E 57059.4 .03   270.4  9:29:35 88
            -6.6
 5+00 E 57009.7 .03   271.0  9:30:38 88
           -10.9
 4+75 E 57003.9 .02   271.9  9:32:45 88
            -7.0
 4+50 E 56986.8 .03   273.8  9:34:03 88
           -16.4
 4+25 E 57017.8 .02   275.5  9:35:07 88
            -3.4
 4+00 E 57021.8 .03   277.0  9:36:23 88
            -7.3
 3+75 E 57024.4 .03   279.2  9:38:59 88
             0.3
 3+50 E 57003.5 .02   280.2  9:40:04 88
            -5.8
 3+25 E 57006.4 .03   280.7  9:41:01 88
            -5.5
 3+00 E 56986.9 .03   282.2  9:42:02 88
            -7.2
 2+75 E 57020.7 .02   279.5  9:42:58 88
            -1.2
 2+50 E 57028.2 .03   279.1  9:44:07 88
            -4.6
 2+25 E 57023.6 .03   280.7  9:45:08 88
            -7.5
 2+00 E 57004.6 .03   282.3  9:46:11 88
           -11.7
 1+75 E 57023.5 .03   283.2  9:47:33 88
```

-0.1

1+25 E 56979.5 .02 283.8 9:50:18 88

-3.9

1+00 E 56969.0 .02 284.6 9:51:22 88

-7.1

0+75 E 56958.4 .02 284.0 9:54:52 88

-2.3

0+50 E 56943.5 .03 283.6 9:56:03 88

-4.6

0+25 E 56940.0 .03 286.5 9:57:37 88

-7.6

0+00 E 56948.1 .03 289.2 9:58:36 88

-6.4

0+25 W 56960.9 .03 292.3 10:01:54 88

-5.5

0+50 W 56986.1 .02 295.0 10:02:51 88

-7.1

0+75 W 57161.7 .03 296.4 10:03:41 88

8.0

1+00 W 57153.3 .03 295.5 10:04:30 88

-1.3

1+25 W 56985.8 .03 298.8 10:07:03 88

-11.6

1+50 W 56944.6 .02 298.8 10:07:59 88

-8.9

ine: 2+50 N Date: 1 AUG 89 #38

OSITION FIELD ERR DRIFT TIME DS

1+50 W 57447.7 .04 301.0 10:24:04 88

-18.5

1+25 W 57166.2 .05 303.0 10:25:52 88

-24.4

1+00 W 57069.2 .03 303.8 10:27:05 88

-8.2

0+75 W 57036.8 .03 304.1 10:27:58 88

-8.1

0+50 W 57027.9 .02 304.1 10:29:03 88

-5.1

0+25 E 57016.7 .02 304.7 10:30:01 88

-3.3

0+00 E 56964.6 .03 307.1 10:31:45 88

-5.8

0+25 E 56917.4 .03 308.3 10:33:26 88

-11.4

0+50 E 56892.1 .02 308.7 10:35:17 88

-6.3

0+75 E 56879.0 .02 308.3 10:36:34 88

-7.8

1+00 E 56916.0 .03 306.2 10:38:28 88

-1.5

1+25 E 56923.2 .02 305.2 10:39:27 88

-5.8

1+50 E 56914.5 .02 304.5 10:40:21 88

-6.4

1+75 E 56962.8 .02 303.8 10:41:35 88

-3.8

2+00 E 56954.3 .03 303.3 10:42:38 88

-6.9

2+25 E 56965.4 .03 302.6 10:44:03 88

-9.8

2+50 E 56978.4 .03 301.9 10:44:54 88

-4.1

2+75 E 56984.7 .03 300.9 10:45:57 88

-3.4

2+00 E 56981.3 .02 299.7 10:47:22 88

-4.0

3+50 E	56989.8	.02	297.6	10:49:44	88
	-2.8				
3+75 E	56983.6	.03	296.3	10:50:43	88
	-2.9				
4+00 E	56974.9	.02	294.8	10:51:50	88
	-4.3				

ine: 4+00 N Date: 1 AUG 89 #61

OSITION	FIELD	ERR	DRIFT	TIME	DS
4+00 E	56984.3	.02	285.2	11:06:46	88
	-2.4				
3+75 E	56991.1	.03	284.7	11:08:29	88
	-1.5				
3+50 E	56997.2	.02	284.6	11:09:58	88
	-1.7				
3+25 E	56977.2	.02	283.5	11:11:15	88
	-8.2				
3+00 E	56964.4	.02	282.5	11:13:18	88
	-7.7				
2+75 E	56953.9	.03	281.3	11:14:52	88
	-7.8				
2+50 E	56950.6	.03	280.4	11:18:15	88
	-5.4				
2+25 E	56943.4	.03	280.2	11:19:36	88
	-2.5				
2+00 E	56940.1	.03	279.4	11:21:10	88
	-2.4				
1+75 E	56924.3	.03	279.6	11:23:42	88
	-3.3				
1+50 E	56910.8	.03	279.1	11:25:17	88
	-5.3				
1+25 E	56893.3	.02	278.8	11:26:22	88
	-2.4				
1+00 E	56871.9	.02	280.1	11:27:37	88
	-3.8				
0+75 E	56876.7	.02	279.5	11:29:21	88
	-4.7				
0+50 E	56880.3	.03	280.3	11:31:23	88
	-1.9				
0+25 E	56903.6	.02	281.2	11:33:30	88
	-3.3				
0+00 E	56904.4	.02	281.2	11:35:29	88
	-4.9				
0+25 W	56910.9	.02	282.0	11:37:17	88
	-7.0				
0+50 W	56943.0	.03	282.5	11:39:26	88
	-4.4				
0+75 W	56985.2	.03	282.8	11:40:35	88
	-3.7				
1+00 W	57043.4	.03	282.9	11:42:19	88
	-3.7				
1+25 W	57120.6	.03	283.0	11:44:51	88
	-3.8				
1+50 W	57251.0	.03	283.2	11:45:49	88
	8.2				

:OF

MNI-PLUS Tie-line MAG/VLF V12L Ser #18120
LF TOTAL FIELD DATA (uncorrected)
ate 1 AUG 89
perator: 5001
ecords: 83
at: 16.7 Volt Lithium: 3.48 Volt
ast time update: 8/01 7:33:00
tart of print: 8/01 20:09:30
ine 0+00 N Date 1 AUG 89 23.4 #1

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.6	0.2	3767.	9.0	9:09:54	99	0.0	!	
#2	70.5	0.2	3764.	9.0	9:17:09	99	0.0	!	

ine 1+00 N Date 1 AUG 89 23.4 #3

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
7+00 E	-6.7	2.6	19.47	-3.8	9:20:43-20S	79	76.7		
6+75 E	-9.6	2.4	19.26	-5.5	9:21:59-15S	79	80.9		
6+50 E	-11.9	3.7	19.30	-6.8	9:23:19-15S	59	69.7		
6+25 E	-15.1	2.7	19.95	-8.6	9:24:38	59	80.7	-6.1	
6+00 E	-13.8	4.2	19.34	-7.8	9:26:25	58	-83.9	-4.1	-5.1
5+75 E	-12.7	5.0	19.53	-7.2	9:27:22	49	89.4	0.4	-1.9
5+50 E	-14.1	4.1	20.17	-8.0	9:28:12	59	77.4	1.2	0.8
5+25 E	-11.1	1.3	20.79	-6.3	9:29:35	39	52.2	0.7	0.9
5+00 E	3.0	3.7	20.28	1.7	9:30:38-15S	69	68.6	10.6	5.6
4+75 E	7.8	-2.5	20.32	4.5	9:32:45-15S	59	80.9	20.5	15.5
4+50 E	4.4	-2.6	19.83	2.5	9:34:03-15S	59	83.8	11.6	16.0
4+25 E	2.7	-1.3	20.20	1.5	9:35:07-10S	69	80.4	-2.2	4.7
4+00 E	0.8	-1.1	19.93	0.5	9:36:23-10S	69	70.2	-5.0	-3.6
3+75 E	-4.7	-3.4	19.87	-2.7	9:38:59	59	73.6	-6.2	-5.6
3+50 E	-3.7	-1.9	20.05	-2.1	9:40:04	69	76.6	-6.8	-6.5
3+25 E	-2.9	-0.8	19.00	-1.6	9:41:01	59	80.2	-1.5	-4.2
3+00 E	-5.9	-2.6	18.72	-3.4	9:42:02	69	83.3	-0.2	-0.9
2+75 E	-3.2	-0.8	19.17	-1.8	9:42:58	69	77.0	-1.5	-0.9
2+50 E	-2.0	-0.5	19.27	-1.1	9:44:07	69	84.3	2.1	0.3
2+25 E	-2.0	0.2	18.43	-1.1	9:45:08	59	88.6	3.0	2.5
2+00 E	-6.3	-1.4	17.84	-3.6	9:46:11	59	-76.7	-1.8	0.6
1+75 E	-9.6	-0.9	17.89	-5.4	9:47:33	69	78.7	-6.8	-4.3
1+50 E	-8.6	2.4	17.36	-4.9	9:48:58RAV	59	81.7	-5.6	-6.2
1+25 E	-11.5	3.6	17.26	-6.5	9:50:18 10S	79	77.9	-2.4	-4.0
1+00 E	-13.0	5.0	17.72	-7.4	9:51:22 10S	49	74.3	-3.6	-3.0
0+75 E	-12.6	8.4	19.38	-7.1	9:54:52 20S	69	71.5	-3.1	-3.4
0+50 E	-7.8	2.2	20.39	-4.4	9:56:03	69	62.6	2.4	-0.4
0+25 E	4.4	-7.8	20.91	2.5	9:57:37	59	60.9	12.6	7.5
0+00 E	10.3	-7.8	20.09	5.9	9:58:36 10S	59	66.9	19.9	16.2
0+25 W	7.7	-8.7	19.62	4.4	10:01:54	69	57.4	12.2	16.0
0+50 W	4.2	-7.8	19.18	2.4	10:02:51	59	75.5	-1.6	5.3
0+75 W	0.6	-8.2	18.69	0.3	10:03:41	59	65.8	-7.6	-4.6
1+00 W	-3.5	-9.0	19.06	-2.0	10:04:30	69	79.9	-8.5	-8.1
1+25 W	-7.0	-10.0	19.17	-4.0	10:07:03	79	79.8	-8.7	-8.6
1+50 W	-10.4	-10.2	19.03	-5.9	10:07:59	79	81.2	-8.2	-8.5

.ine 2+50 N Date 1 AUG 89 23.4 #38

'OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
1+50 W	2.0	-11.1	20.40	1.1	10:24:04	69	84.8		
1+25 W	4.2	-10.7	20.42	2.4	10:25:52	69	80.5		
1+09 W	6.9	-10.0	21.07	3.9	10:27:05	69	76.5		
0+70 W	7.6	-10.2	21.70	4.3	10:27:58	69	76.6	-4.7	
0+55 W	9.3	-10.1	22.37	5.3	10:29:03	69	81.4	-3.3	-4.0
0+25 E	10.4	-11.3	22.40	5.9	10:30:01-15S	59	73.5	-3.0	-3.2
0+00 E	10.2	-12.7	23.83	5.8	10:31:45	69	83.5 #		
0+25 E	4.0	-17.4	24.98	2.2	10:33:26-20S	69	75.2	1.5	-0.8
0+50 E	-5.3	-16.6	26.53	-3.0	10:35:17-20S	79	67.0	12.0	6.7

1+50 E	-16.4	12.1	29.03	-9.3	10:40:21	80G	69	-89.0	3.8	3.9
1+75 E	-20.8	8.5	28.96	-11.7	10:41:35	10S	69	79.9	7.5	5.6
2+00 E	-23.9	5.9	28.60	-13.4	10:42:38	10S	69	86.9	8.6	8.0
2+25 E	-23.3	4.5	28.33	-13.1	10:44:03		69	83.0	5.5	7.0
2+50 E	-18.0	4.0	27.77	-10.2	10:44:54		69	-83.5	-1.8	1.8
2+75 E	-14.7	4.4	28.04	-8.4	10:45:57		69	81.7	-7.9	-4.9
3+00 E	-6.0	3.5	28.11	-3.4	10:47:33	10S	79	87.5	-11.5	-9.7
3+25 E	-1.0	2.8	28.74	-0.6	10:48:35		79	85.6	-14.6	-13.1
3+50 E	-1.6	2.2	28.92	-0.9	10:49:44	15S	69	78.5	-10.3	-12.5
3+75 E	-4.9	1.5	28.32	-2.8	10:50:43	10S	59	82.1	-0.3	-5.3
4+00 E	-6.8	1.0	28.06	-3.8	10:51:50		59	84.5	5.1	2.4

ine 4+00 N Date 1 AUG 89 23.4 #61

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
4+00 E	30.3	19.6	1.52	16.8	11:06:46	71	-86.0		
3+75 E	19.7	26.5	0.97	11.1	11:08:29	70	-71.7		
3+50 E	21.9	15.6	2.05	12.3	11:09:58	61	-77.2		
3+25 E	-8.7	26.3	0.63	-4.9	11:11:15	40	-76.7	-20.5	
3+00 E	-2.2	12.9	1.21	-1.3	11:13:18	-30S 61	-81.6	-29.6	-25.1
2+75 E	32.1	20.5	0.79	17.8	11:14:52	CREC 60	82.4	9.1	-10.3
2+50 E	49.8	20.8	1.11	26.4	11:18:15	50	87.5	50.4	29.7
2+25 E	86.7	42.0	0.84	40.9	11:19:36	50	-71.0	50.8	50.6
2+00 E	56.1	20.9	1.61	29.2	11:21:10	15S 61	-84.4	25.9	38.3
1+75 E	70.2	20.0	0.77	35.0	11:23:42	20S 50	67.9	-3.1	11.4
1+50 E	80.5	11.5	0.96	38.8	11:25:17	10S 60	-81.0	3.7	0.3
1+25 E	75.1	6.2	1.11	36.9	11:26:22	50	-80.8	11.5	7.6
1+00 E	87.8	2.3	5.48	41.2	11:27:37	CREC 64	79.7	4.3	7.9
0+75 E	83.0	3.3	1.58	39.7	11:29:21	20S 61	-82.2	5.2	4.7
0+50 E	82.7	3.2	1.16	39.6	11:31:23	30S 60	-32.2	1.2	3.2
0+25 E	30.1	-1.0	1.60	16.8	11:33:30	40S 41	-58.4	-24.5	-11.7
0+00 E	27.1	-0.2	3.20	15.2	11:35:29	35S 43	-68.5	-47.3	-35.9
0+25 W	21.6	1.7	1.30	12.1	11:37:17	35S 61	-64.1	-29.1	-38.2
0+50 W	18.7	0.7	1.23	10.6	11:39:26	10S 61	-63.0	-9.3	-19.2
0+75 W	19.4	-0.7	2.00	11.0	11:40:35	10S 51	-66.1	-5.7	-7.5
1+00 W	16.0	0.3	0.88	9.1	11:42:19	10S 50	-66.9	-2.6	-4.2
1+25 W	7.1	-2.7	4.13	4.1	11:44:51	54	-70.3	-8.4	-5.5
1+50 W	5.3	2.4	0.81	3.0	11:45:49	50	-59.6	-13.0	-10.7

OF

MNI-PLUS Tie-line MAG/VLF V12L Ser #18120
LF TOTAL FIELD DATA (uncorrected)
ate 1 AUG 89
perator: 5001
ecords: 83
at: 16.7 Volt Lithium: 3.48 Volt
ast time update: 8/01 7:33:00
tart of print: 8/01 20:10:06
ine 0+00 N Date 1 AUG 89 24.0 #1

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.1	0.2	3777.	10.0	9:09:54	99	0.0	!	
#2	70.1	0.2	3777.	10.0	9:17:09	99	0.0	!	

ine 1+00 N Date 1 AUG 89 24.0 #3

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
7+00 E	-13.4	-2.1	10.01	-7.6	9:20:43	-20S 78	-89.5		
6+75 E	-13.4	-0.8	10.11	-7.6	9:21:59	-15S 79	-85.0		
6+50 E	-15.0	1.4	10.21	-8.5	9:23:19	-15S 68	84.2		
6+25 E	-19.9	2.3	10.23	-11.2	9:24:38	76	-82.7	-4.5	
6+00 E	-18.9	2.1	9.85	-10.7	9:26:25	56	-68.3	-5.8	-5.2

5+25 E	-16.6	-0.4	10.28	-10.5						
5+00 E	-8.3	2.9	10.09	-4.7	9:30:38	-15S	68	88.4	4.8	2.1
4+75 E	-8.5	0.3	10.06	-4.8	9:32:45	-15S	59	-83.9	11.4	8.1
4+50 E	-9.1	1.3	10.27	-5.2	9:34:03	-15S	69	-82.8	5.2	8.3
4+25 E	-7.4	1.4	10.39	-4.2	9:35:07	-10S	69	-86.2	0.1	2.6
4+00 E	-7.1	1.7	10.53	-4.1	9:36:23	-10S	69	83.0	1.7	0.9
3+75 E	-11.3	-1.1	10.65	-6.4	9:38:59		68	86.9	-1.1	0.3
3+50 E	-10.8	-1.1	10.33	-6.1	9:40:04		68	-88.8	-4.2	-2.7
3+25 E	-10.0	-0.7	9.75	-5.7	9:41:01		68	-84.8	-1.3	-2.8
3+00 E	-11.5	-2.2	9.59	-6.5	9:42:02		78	-82.3	0.3	-0.5
2+75 E	-7.0	-1.2	9.78	-4.0	9:42:58		78	-87.1	1.3	0.8
2+50 E	-5.2	-2.2	9.73	-3.0	9:44:07		69	-80.3	5.2	3.2
2+25 E	-3.1	-2.6	9.72	-1.8	9:45:08		69	-75.4	5.7	5.4
2+00 E	-5.5	-5.3	9.44	-3.1	9:46:11		69	-60.1	2.1	3.9
1+75 E	-6.5	-5.8	9.24	-3.7	9:47:33		68	-84.8	-2.0	0.0
1+50 E	-0.2	-2.3	8.72	-0.1	9:48:58	RAV	49	-80.7	1.1	-0.5
1+25 E	2.9	-0.8	8.62	1.6	9:50:18	10S	79	-82.2	8.3	4.7
1+00 E	7.6	2.7	8.88	4.3	9:51:22	10S	69	-83.2	9.7	9.0
0+75 E	10.8	7.5	9.48	6.1	9:54:52	20S	69	-78.6	8.9	9.3
0+50 E	0.8	6.2	10.32	0.5	9:56:03		69	-80.9	0.7	4.8
0+25 E	-4.8	0.5	10.64	-2.8	9:57:37		69	-85.1	-12.7	-6.0
0+00 E	-6.8	-1.6	10.70	-3.9	9:58:36	10S	69	-84.7	-13.3	-13.0
0+25 W	-8.4	-4.4	10.83	-4.8	10:01:54		79	81.5	-6.4	-9.9
0+50 W	-11.2	-4.8	10.59	-6.3	10:02:51		68	-81.3	-4.4	-5.4
0+75 W	-13.3	-5.6	10.85	-7.6	10:03:41		66	88.7	-5.2	-4.8
1+00 W	-15.0	-6.2	10.79	-8.5	10:04:30		77	-77.7	-5.0	-5.1
1+25 W	-18.8	-8.3	10.94	-10.6	10:07:03		77	-77.8	-5.2	-5.1
1+50 W	-22.9	-12.4	10.81	-12.9	10:07:59		76	-76.2	-7.4	-6.3

ine 2+50 N Date 1 AUG 89 24.0 #38

OSITION	I/P	QUAD	T.FLD	TILT	TIME		CULT	S	DIR	4-FRA	5-FRA
1+50 W	-2.3	-7.7	10.78	-1.3	10:24:04			79	-71.7		
1+25 W	-0.8	-7.4	10.78	-0.4	10:25:52			69	-76.8		
1+00 W	1.2	-6.7	10.82	0.6	10:27:05			69	-81.1		
0+75 W	1.5	-6.9	10.92	0.9	10:27:58			69	-80.4	-3.2	
0+50 W	2.7	-6.6	11.07	1.5	10:29:03			69	-76.9	-2.2	-2.7
0+25 E	1.3	-7.7	10.94	0.7	10:30:01	-15S		69	-83.4	-0.7	-1.5
0+00 E	0.8	-7.5	11.36	0.5	10:31:45			79	-72.8	#	
0+25 E	-5.2	-9.1	11.73	-3.0	10:33:26	-20S		69	-78.0	4.7	2.0
0+50 E	-9.9	-4.1	12.17	-5.6	10:35:17	-20S		79	-85.5	10.8	7.7
0+75 E	-3.6	8.0	12.48	-2.0	10:36:34	RAV		79	-71.7	5.3	8.0
1+00 E	-3.7	8.5	12.10	-2.1	10:38:28	10S		69	84.3	-4.5	0.4
1+25 E	-7.7	8.9	12.32	-4.4	10:39:27			79	-78.6	-1.1	-2.8
1+50 E	-12.7	8.3	12.53	-7.2	10:40:21	BOG		79	-73.0	7.5	3.2
1+75 E	-18.8	6.5	12.36	-10.6	10:41:35	10S		69	-85.0	11.3	9.4
2+00 E	-23.1	4.6	12.36	-13.0	10:42:38	10S		79	-78.7	12.0	11.6
2+25 E	-24.5	3.5	12.30	-13.7	10:44:03			79	-82.9	8.9	10.4
2+50 E	-20.4	3.9	12.33	-11.5	10:44:54			79	-68.8	1.6	5.2
2+75 E	-17.8	4.5	12.39	-10.1	10:45:57			69	-84.4	-5.1	-1.8
3+00 E	-8.7	4.7	12.29	-5.0	10:47:33	10S		79	-78.5	-10.1	-7.6
3+25 E	-3.3	4.7	12.22	-1.8	10:48:35			79	-80.5	-14.8	-12.5
3+50 E	-3.9	4.8	11.78	-2.2	10:49:44	15S		69	-88.7	-11.1	-13.0
3+75 E	-9.5	4.2	11.61	-5.4	10:50:43	10S		59	-85.2	0.8	-5.2
4+00 E	-13.5	4.0	11.64	-7.7	10:51:50			69	-82.9	9.1	4.9

ine 4+00 N Date 1 AUG 89 24.0 #61

OSITION	I/P	QUAD	T.FLD	TILT	TIME		CULT	S	DIR	4-FRA	5-FRA
4+00 E	23.0	16.5	11.10	12.9	11:06:46			89	-81.6		
3+75 E	20.9	17.7	11.28	11.8	11:08:29			79	-73.9		
3+50 E	17.6	14.4	11.79	10.0	11:09:58			69	-73.3		
3+25 E	9.2	9.0	10.85	5.3	11:11:15			69	-76.3	-9.4	
3+00 E	3.2	7.6	11.08	1.8	11:13:18	-30S		79	-87.8	-14.7	-12.1
2+75 E	26.1	13.1	10.64	14.6	11:14:52	CREC		69	80.4	1.1	-6.8
2+50 E	45.3	17.4	10.69	24.3	11:18:15			68	83.9	31.8	16.4
2+25 E	49.3	15.2	11.21	26.2	11:19:36			69	-78.0	34.1	32.9
2+00 E	45.1	10.0	11.95	24.2	11:21:10	15S		69	87.2	11.5	22.8

1+00	E	82.3	3.2	12.56	39.4	11:27:37	CREC	69	84.1	19.3	14.3
0+75	E	71.2	4.1	12.99	35.4	11:29:21	20S	69	-84.2	16.1	17.7
0+50	E	49.6	-0.1	12.61	26.4	11:31:23	30S	69	-58.4	-9.5	3.3
0+25	E	32.5	-2.7	11.61	18.0	11:33:30	40S	49	-69.1	-30.4	-20.0
0+00	E	25.1	-1.8	11.23	14.0	11:35:29	35S	49	-64.0	-29.8	-30.1
0+25	W	20.7	-1.3	11.08	11.7	11:37:17	35S	69	-63.7	-18.7	-24.3
0+50	W	17.8	-1.5	10.85	10.1	11:39:26	10S	69	-72.5	-10.2	-14.5
0+75	W	14.8	-0.8	10.82	8.4	11:40:35	10S	59	-63.2	-7.2	-8.7
1+00	W	10.4	-3.0	10.91	5.9	11:42:19	10S	69	-66.7	-7.5	-7.4
1+25	W	8.2	-4.4	10.57	4.7	11:44:51		69	-78.5	-7.9	-7.7
1+50	W	7.0	-4.9	10.41	4.0	11:45:49		69	-67.1	-5.6	-6.8

DF

MNI-PLUS Tie-line MAG/VLF V12L Ser #18120
LF TOTAL FIELD DATA (uncorrected)
ate 1 AUG 89
perator: 5001
ecords: 83
at: 16.7 Volt Lithium: 3.48 Volt
ast time update: 8/01 7:33:00
tart of print: 8/01 20:10:42
ine 0+00 N Date 1 AUG 89 24.8 #1

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	69.7	0.1	3879.	8.0	9:09:54		99	0.0	!	
#2	69.7	0.1	3880.	8.0	9:17:09		99	0.0	!	

ine 1+00 N Date 1 AUG 89 24.8 #3

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
7+00 E	30.9	16.8	19.93	17.1	9:20:43	-20S	75	-15.8		
6+75 E	21.9	13.1	20.08	12.3	9:21:59	-15S	75	-12.6		
6+50 E	17.8	4.4	21.66	10.1	9:23:19	-15S	64	-23.7		
6+25 E	23.6	0.0	22.00	13.2	9:24:38		74	-8.1	-6.1	
6+00 E	21.6	2.3	21.84	12.1	9:26:25		55	9.3	2.9	-1.6
5+75 E	16.9	2.4	22.16	9.6	9:27:22		66	2.4	-1.6	0.6
5+50 E	14.5	1.8	24.57	8.2	9:28:12		64	-7.3	-7.5	-4.6
5+25 E	22.6	3.4	28.21	12.7	9:29:35		64	-24.5	-0.8	-4.2
5+00 E	35.5	2.2	27.52	19.5	9:30:38	-15S	55	-10.0	14.4	6.8
4+75 E	61.9	-11.1	24.14	31.7	9:32:45	-15S	53	-5.6	30.3	22.3
4+50 E	56.9	-19.3	20.46	29.6	9:34:03	-15S	52	-8.9	29.1	29.7
4+25 E	44.0	-17.3	19.47	23.7	9:35:07	-10S	73	-15.5	2.1	15.6
4+00 E	37.3	-14.1	19.61	20.4	9:36:23	-10S	63	-29.7	-17.2	-7.6
3+75 E	28.8	-12.2	19.84	16.1	9:38:59		74	-25.6	-16.8	-17.0
3+50 E	29.5	-6.8	20.22	16.4	9:40:04		64	-18.0	-11.6	-14.2
3+25 E	29.2	-2.3	19.14	16.2	9:41:01		64	-13.4	-3.9	-7.8
3+00 E	21.5	-5.0	18.43	12.1	9:42:02		75	-10.8	-4.2	-4.1
2+75 E	16.2	-2.3	18.80	9.2	9:42:58		76	-13.4	-11.3	-7.8
2+50 E	14.2	2.7	18.95	8.1	9:44:07		76	-8.1	-11.0	-11.2
2+25 E	8.7	6.5	18.61	5.0	9:45:08		66	-6.8	-8.2	-9.6
2+00 E	4.1	11.5	18.58	2.3	9:46:11		67	8.4	-10.0	-9.1
1+75 E	-6.3	15.9	18.02	-3.6	9:47:33		69	-14.0	-14.4	-12.2
1+50 E	-25.9	13.8	18.23	-14.5	9:48:58	RAV	69	-7.4	-25.4	-19.9
1+25 E	-40.3	8.5	20.90	-21.9	9:50:18	10S	79	-7.2	-35.1	-30.3
1+00 E	-54.7	-2.7	25.65	-28.7	9:51:22	10S	69	-9.9	-32.5	-33.8
0+75 E	-44.7	-2.7	34.46	-24.1	9:54:52	20S	69	-6.7	-16.4	-24.5
0+50 E	-12.5	-10.0	41.26	-7.1	9:56:03		69	-16.1	19.4	1.5
0+25 E	14.2	-14.6	40.29	8.0	9:57:37		66	-19.7	53.7	36.5
0+00 E	32.6	-16.0	34.28	18.1	9:58:36	10S	64	-23.7	57.3	55.5
0+25 W	34.8	-16.0	30.87	19.2	10:01:54		74	-38.2	36.4	46.8

1+25 W	29.4	-8.9	27.68	16.3	10:07:03		77	-20.2	-4.6	-4.4
1+50 W	34.5	-1.5	27.64	19.0	10:07:59		75	-16.5	0.9	-1.9

ine 2+50 N Date 1 AUG 89 24.8 #38

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
1+50 W	9.2	-6.5	27.97	5.2	10:24:04		79	-12.3		
1+25 W	9.9	-7.9	27.66	5.6	10:25:52		79	-18.8		
1+00 W	11.6	-9.3	27.45	6.6	10:27:05		79	-22.6		
0+75 W	13.4	-10.5	27.58	7.6	10:27:58		79	-20.5	-3.4	
0+50 W	14.9	-10.9	27.92	8.4	10:29:03		69	-15.9	-3.8	-3.6
0+25 E	18.1	-11.2	28.80	10.3	10:30:01	-15S	79	-21.5	-4.5	-4.2
0+00 E	18.3	-16.1	31.40	10.3	10:31:45		79	-9.5	#	
0+25 E	16.3	-20.5	34.81	9.3	10:33:26	-20S	69	-13.3	-3.6	-4.1
0+50 E	9.8	-25.1	37.82	5.5	10:35:17	-20S	79	-20.5	3.9	0.1
0+75 E	-12.6	-14.8	36.96	-7.1	10:36:34	RAV	79	-1.2	21.2	12.5
1+00 E	-19.9	8.5	27.88	-11.2	10:38:28	10S	64	-18.1	33.1	27.1
1+25 E	-10.4	16.4	24.04	-5.9	10:39:27		77	-3.6	15.5	24.3
1+50 E	-3.3	14.4	22.47	-1.8	10:40:21	BOG	77	2.5	-10.6	2.4
1+75 E	1.1	9.7	21.64	0.6	10:41:35	10S	68	-11.4	-15.9	-13.3
2+00 E	8.2	6.9	20.75	4.7	10:42:38	10S	77	-10.5	-13.0	-14.5
2+25 E	17.0	5.8	21.54	9.6	10:44:03		78	-19.5	-15.5	-14.3
2+50 E	19.9	1.0	22.57	11.2	10:44:54		69	-9.4	-15.5	-15.5
2+75 E	20.5	0.2	23.09	11.5	10:45:57		75	-25.8	-8.4	-12.0
3+00 E	16.1	-6.1	23.82	9.1	10:47:33	10S	76	-19.3	0.2	-4.1
3+25 E	11.4	-10.7	22.96	6.5	10:48:35		75	-19.2	7.1	3.6
3+50 E	14.0	-16.2	20.84	8.0	10:49:44	15S	69	-22.7	6.1	6.6
3+75 E	23.4	-17.4	20.16	13.1	10:50:43	10S	69	-17.9	-5.5	0.3
4+00 E	36.2	-18.3	21.14	19.9	10:51:50		69	-19.8	-18.5	-12.0

ine 4+00 N Date 1 AUG 89 24.8 #61

OSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
4+00 E	22.0	-21.2	22.43	12.4	11:06:46		86	-22.7		
3+75 E	17.3	-26.4	21.48	9.8	11:08:29		74	-15.5		
3+50 E	14.0	-18.6	21.36	7.9	11:09:58		74	-12.9		
3+25 E	22.8	-7.0	19.56	12.8	11:11:15		65	-12.6	-1.5	
3+00 E	18.6	-7.6	15.98	10.5	11:13:18	-30S	64	-14.5	5.6	2.0
2+75 E	-1.0	-14.1	15.28	-0.5	11:14:52	CREC	66	-7.8	-10.7	-2.6
2+50 E	-16.6	-19.5	17.73	-9.4	11:18:15		79	-10.0	-33.2	-22.0
2+25 E	-23.3	-21.0	19.55	-13.1	11:19:36		69	-1.5	-32.5	-32.9
2+00 E	-21.7	-22.9	22.07	-12.2	11:21:10	15S	66	-15.8	-15.4	-24.0
1+75 E	-18.0	-27.4	24.26	-10.2	11:23:42	20S	59	-25.0	0.1	-7.7
1+50 E	-9.1	-24.2	25.71	-5.2	11:25:17	10S	69	-4.7	9.9	5.0
1+25 E	-1.0	-30.4	24.86	-0.6	11:26:22		67	-5.8	16.6	13.2
1+00 E	-2.7	-47.2	23.35	-1.5	11:27:37	CREC	67	-20.1	13.3	14.9
0+75 E	-24.1	-45.2	27.14	-13.5	11:29:21	20S	69	-20.2	-9.2	2.0
0+50 E	-21.6	-29.0	31.92	-12.1	11:31:23	30S	67	0.9	-23.5	-16.4
0+25 E	-2.9	-20.9	31.59	-1.6	11:33:30	40S	59	-10.1	1.3	-11.1
0+00 E	1.9	-19.6	29.66	1.1	11:35:29	35S	59	-5.9	25.1	13.2
0+25 W	2.6	-17.6	29.56	1.5	11:37:17	35S	69	-6.2	16.3	20.7
0+50 W	4.2	-14.9	28.80	2.4	11:39:26	10S	68	-14.4	4.4	10.3
0+75 W	3.3	-14.4	28.87	1.9	11:40:35	10S	69	-5.4	1.7	3.0
1+00 W	4.8	-11.5	29.12	2.8	11:42:19	10S	69	-8.4	0.8	1.2
1+25 W	5.5	-10.3	28.87	3.1	11:44:51		67	-19.4	1.6	1.2
1+50 W	3.5	-11.0	28.91	2.0	11:45:49		69	-6.1	0.4	1.0

OF

APPENDIX VI

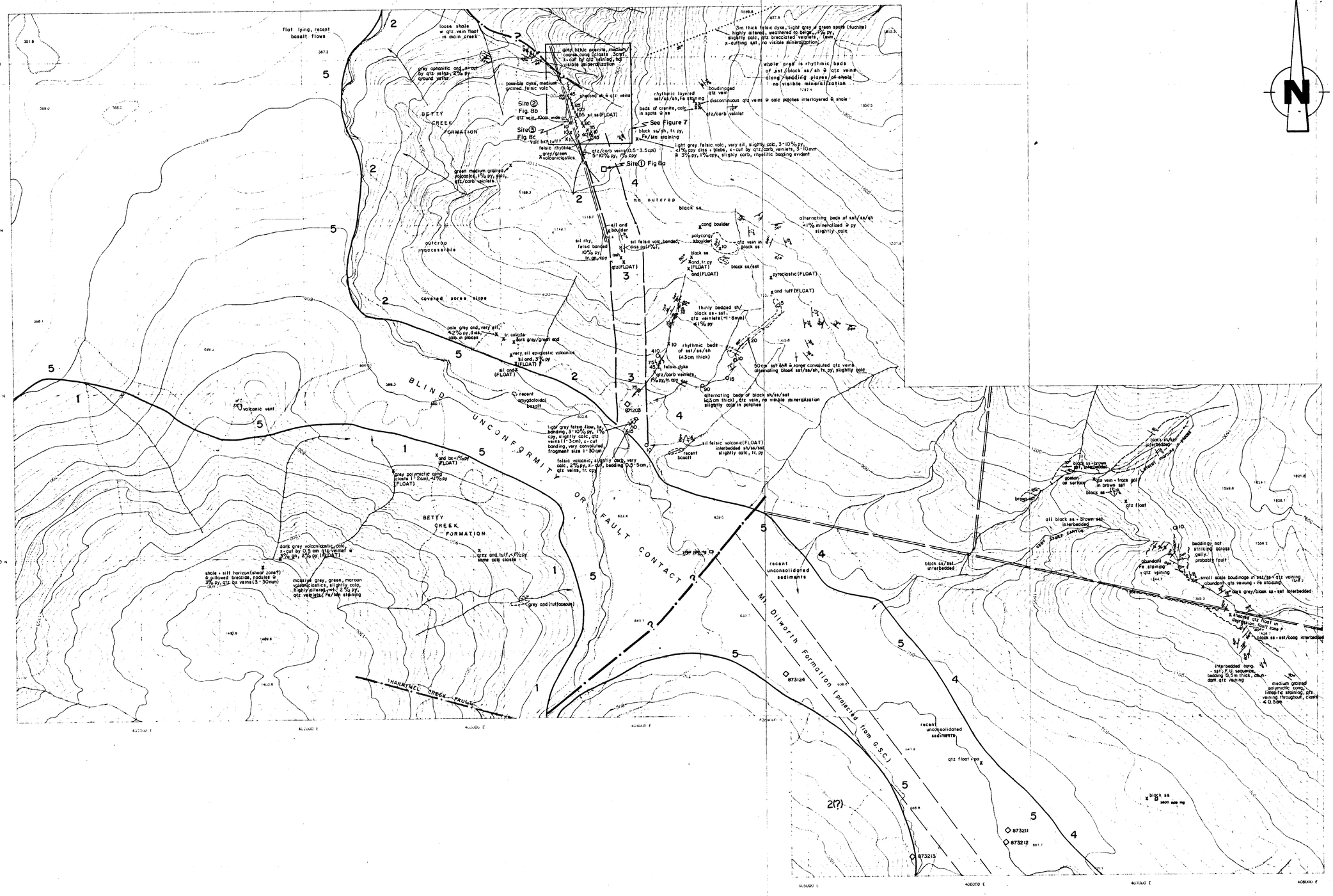
STATEMENT OF COSTS

STATEMENT OF COSTS

ROCKRIDGE MINING CORPORATION/MEADFIELD MINING CORPORATION
Project 90BC021
PALMIERE CREEK PROJECT
Period of Field work: July 05, 1990 to August 01, 1990

Salaries		
D.Collins, Geologist, 8.0 days @ $400/day	3,200.00	
R.Brown, Geologist, 0.5 days @ $400/day	200.00	
P.Daigle, Geologist, 13.5 days @ $300/day	4,050.00	
J.P.Sorbara, Vice Pr., 0.5 days @ $400/day	200.00	
T.Kennedy, Prospector/Blaster 3.0 days @ $300/day	900.00	
T.Kelemen, Technician, 4.5 days @ $225/day	1,012.50	
J Cooper, Cook, 8.75 days @ $225/day(salary prorated)	1,968.75	
J.Himmelright, Technician, 13.5 days @ $225/day	3,037.50	
D.Carstens, Prospector, 1.0 days @ $300/day	300.00	$ 14,868.75
Project Expenses		
Project Preparation		3,898.30
Base Map Preparation 1:10,000 digital manuscript		4,365.00
Mobilization/Demobilization		6,360.00
Domicile		
53.25 man days @ $115/man/day		6,123.75
Geochemistry and Laboratory Service		
Soils		
9 Samples $1.00/sample preparation	9.00	
9 Samples $16.40/35 element ICP/Au FA/AA Geochem	147.60	
1 Samples $6.30/sample Hg analyzed	6.30	
Silts		
15 Samples $1.00/sample preparation	15.00	
15 Samples $8.00/sample Au FA/AA Geochem	120.00	
15 Samples $8.40/sample 35 element ICP	126.00	
2 Samples $6.30/sample analyzed for Hg	12.60	
Bulk Stream		
12 Samples $30.00/sample preparation	360.00	
12 Samples $8.00/sample Au FA/AA Geochem	96.00	
12 Samples $8.40/samples 35 element ICP	100.80	
12 Samples $6.30/samples analyzed for Hg	75.60	
Rocks		
232 Samples $4.00/sample preparation	928.00	
232 Samples $8.40/35 element ICP	1,948.80	
232 Samples $8.00/sample Au FA/AA Geochem	1,856.00	
54 Samples $6.30/analyzed for Hg Geochem	340.20	
Freight charges from Smithers	172.88	6,314.78

Geophysical Surveying		
T.Kelemen Domicile		
1 man day @ $115/man/day	115.00	
Total Magnetic field and Vert. Grad. 2.0 Km @ $200/Km.	400.00	
VFL-EM Survey (2 channels) 2.0 Km @ $200/Km.	400.00	915.00
Trenching		
Plugger drill rental	1,020.00	
Powder	186.63	1,206.63
Helicopter Support 13.67 hours @ $672.47/hour		9,192.71
Beach Fixed Wing support		1,199.46
Radio Rental 0.5 months @ $175/month		87.50
Walkie talkie rental 53.25 man days @ $ 5.00/unit/man/day		266.25
Field Supplies		1,258.33
Equipment rental 44.5 man days @ $25.00/man day		1,112.50
Generator fuel and propane		138.81
Computer rental		180.00
Expediting		441.81
Government filing		350.00
Accounting, communication and freight		1,700.67
Report writing, drafting and compilation		5,500.00
15% Management Fees		9,822.04
TOTAL		$ 75,302.29



5 Recent Basalt Flows

4 Black Siltstones, Tuffaceous Sandstone and Conglomerates (Middle - Upper Jurassic ?)

3 Rhyolitic Felsic Volcanics - Mt. Dilworth Fm. ?

2 Andesitic Volcanics (Middle Jurassic ?)

unconformity

1 Middle Triassic Volcanics

Bowser Gr.

Hazelton Group

geological contact - defined
- assumed

fault contact

fault inferred

, X outcrop

air photo lineament

bedding

cleavage

jointing

vein

871203 ◇ National Geochemical Reconnaissance silt sample site and record number

ABBREVIATIONS

and	andesite	py	pyrite
po	pyrrhotite	gn	greenstone
bx	breccia	carb	carbonate
sst	sandstone	calc	calcareous
ss	siltstone	rhy	rhyolite
sh	shale	diss	disseminated
cpy	chalcopyrite	qtz	quartz

X rock sample
□ bulk stream sample
o silt sample
90 Au (ppb)

SCALE 1:10,000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,614

PALMIERE CREEK PROPERTY
ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

Property Geology and Anomalous Geochemical Results

(1)

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1:10,000	N.T.S.: 104B/10		FIGURE No. 5
DWN. BY:	DATE: Aug. '90		
CHKD. BY:	PROJECT No.: 9085021		FILE No.

SEE Figs. 7,8a,b,c FOR ADDITIONAL SAMPLE LOCATIONS

F 158, 156 - Mid Triassic (Read et al)

6288000 N
6287000 N
6286000 N
6285000 N
401000 E
402000 E
403000 E
404000 E
405000 E
406000 E
407000 E
408000 E

SAMPLE LOCATIONS

- x rock
- o silt / soil
- □ bulk stream
- ◆ regional geochemical sample

0 100 200 400 600 800 1000 metres

SCALE 1:10,000

CONTOUR INTERVAL 20 METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20614

PALMIERE CREEK PROPERTY

ROCKRIDGE MINING CORPORATION
MEADFIELD MINING CORPORATION

SAMPLE LOCATIONS (2)

HI-TEC RESOURCES MANAGEMENT LTD.

SCALE: 1:10,000	N.T.S. 104B/10		FIGURE No: 9
DWN. BY:	DATE: Aug. '90		
CHKD BY:	PROJECT No: 90BC021		FILE No:

EAGLE MAPPING SERVICES LTD. JOB No. 90-46-3