LOG NO: 12-31	RD.
ACTION:	
FILE NO:	

ASSESSMENT GEOLOGICAL AND GEOCHEMICAL REPORT ON THE TOSCA 1 AND TOSCA 2 MINERAL CLAIMS

(BUTTERFLY MOUNTAIN PROJECT)

SCUD RIVER AREA, N.W. BRITISH COLUMBIA.

LIARD MINING DIVISION

N.T.S. 104 G/5 and 12

Lat. 57° 28'North   Long. 131° 37'West.

Owner: Goldbelt Mines Inc.,
1200 - 885 West Georgia Street,
Vancouver, British Columbia.
V6C 3E8.

Operator: West Sea Development Corp.,
11th Floor - 808 West Hastings Street,
Vancouver, British Columbia.

Report Prepared By: Hi-Tec Resource Management Ltd.,
1500 - 609 Granville Street,
Vancouver, British Columbia.
V7Y 1G5

Author: Bruce Goad, M.Sc., F.G.A.C.

Date Submitted: November 30, 1990.

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

LIST OF TABLES

1.0 INTRODUCTION

Pursuant to a request by the Directors of West Sea Development Corporation an exploration program consisting of prospecting, geological mapping and geochemical sampling was undertaken on the Tosca 1 and Tosca 2 mineral claims by Hi-Tec Resource Management Ltd. between August and September 1990. The purpose of this program was to evaluate and report on the precious metal potential of the Butterfly Mountain Project.

A total of 11 mandays was spent on the property during which time an area of 950 ha was geologically mapped at a scale of 1:10,000 and 69 rock samples, 76 soil samples and 4 silt samples were obtained.

A six-person field crew was based at the Scud River airstrip. General (ie. mob/demob) costs were shared with other programs that were undertaken by the crew in the Iskut River - Galore Creek area of British Columbia during the 1990 field season.

1.1 Location and Access

The Butterfly Mountain Project is located in the Scud River Area of northwestern British Columbia, within the eastern boundary of the Coast Range Mountains, approximately 130 kilometres northwest of Stewart, British Columbia. The property lies east of the Stikine River on the eastern side of Brydon Creek, a northeast flowing tributary of Dokdaon Creek and centred at approximately 56° 28′north latitude and 131° 37′ west longitude (Figure 1).

Daily access to the property was achieved via helicopter. During the summer months a machine is based at the Scud Airstrip, located at the mouth of the Scud River, approximately 25 kilometres southwest of the property. This airstrip is serviced by scheduled fixed wing service, three times a week, from Smithers, British Columbia. Alternate fixed wing service is available from Wrangell, Alaska.

1.2 Topography and Physiography

The Butterfly Mountain Project is situated in rugged, mountainous, heavily glaciated terrain on the east side of the headwaters of Brydon Creek, a northeast flowing tributary of Dokdaon Creek which flows north into the Stikine River. Topographic relief ranges from 880 metres at the L.C.P. on the west bank of Brydon Creek to 2170 metres on the ridge immediately north of Butterfly Mountain (Figure 1).

Tree line is at approximately 1000 metres. Much of the property is above tree line as avalanches have removed much of the vegetation.

The property is largely covered by glacial debris, talus or ice except for a central ridge of outcrop where rock exposure is excellent. Steep west flowing erosional side creeks draining into Brydon Creek provide the best exposure on the lower parts of the claims.

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

1.3 Claims

The Butterfly Mountain Project consists of two four post claims totalling 38 units. Title to the property is held by Goldbelt Mines Inc. of 1200 - 885 West Georgia Street in Vancouver. The property is under option to West Sea Development Corporation of 11th Floor - 808 West Hastings Street, Vancouver.

The Butterfly Mountain Project (Figure 2) consists of the claims listed in Table 1. They were grouped as the Tosca Group on October 15, 1990.

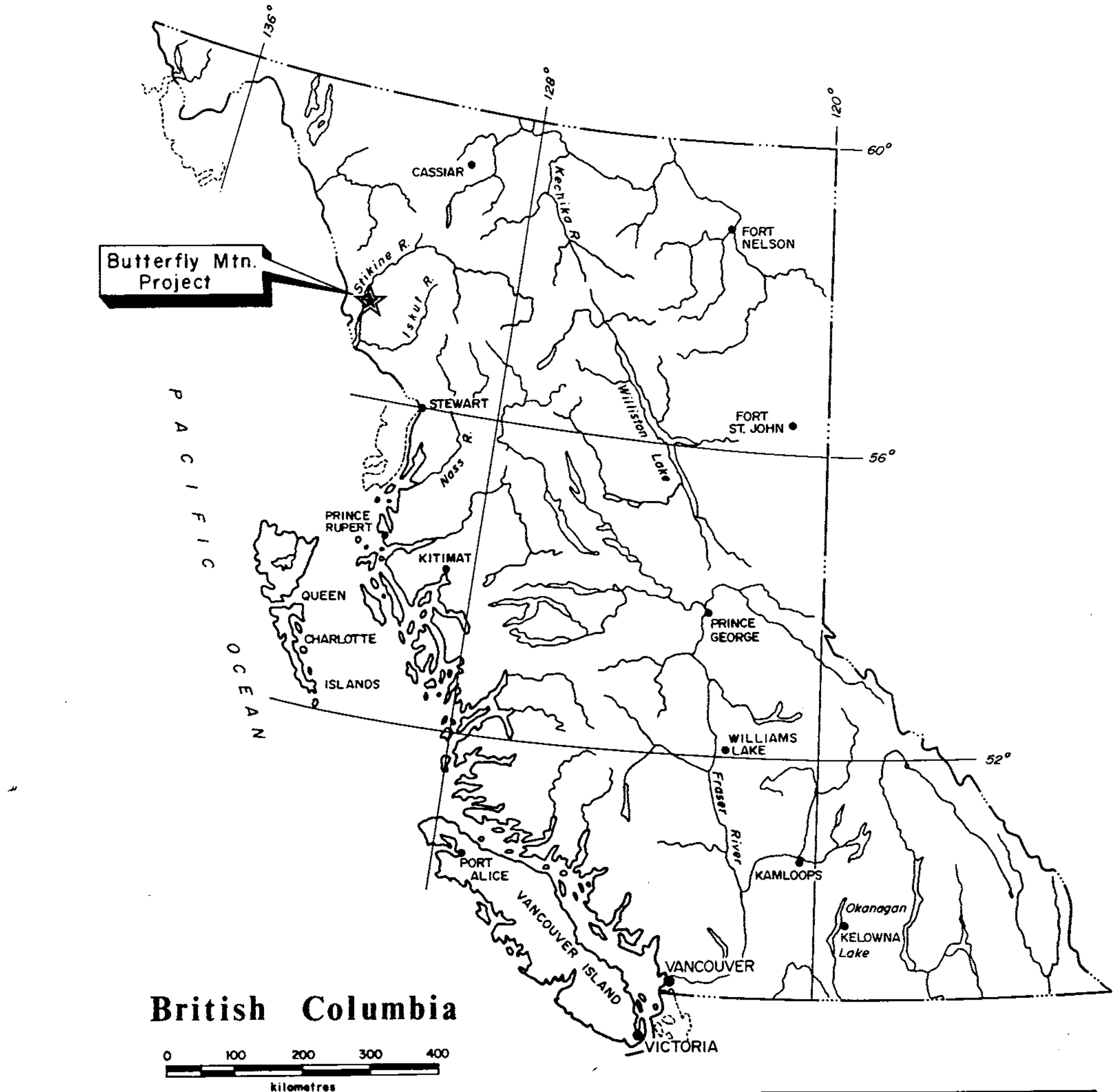
TABLE 1

Summary of Claim Data

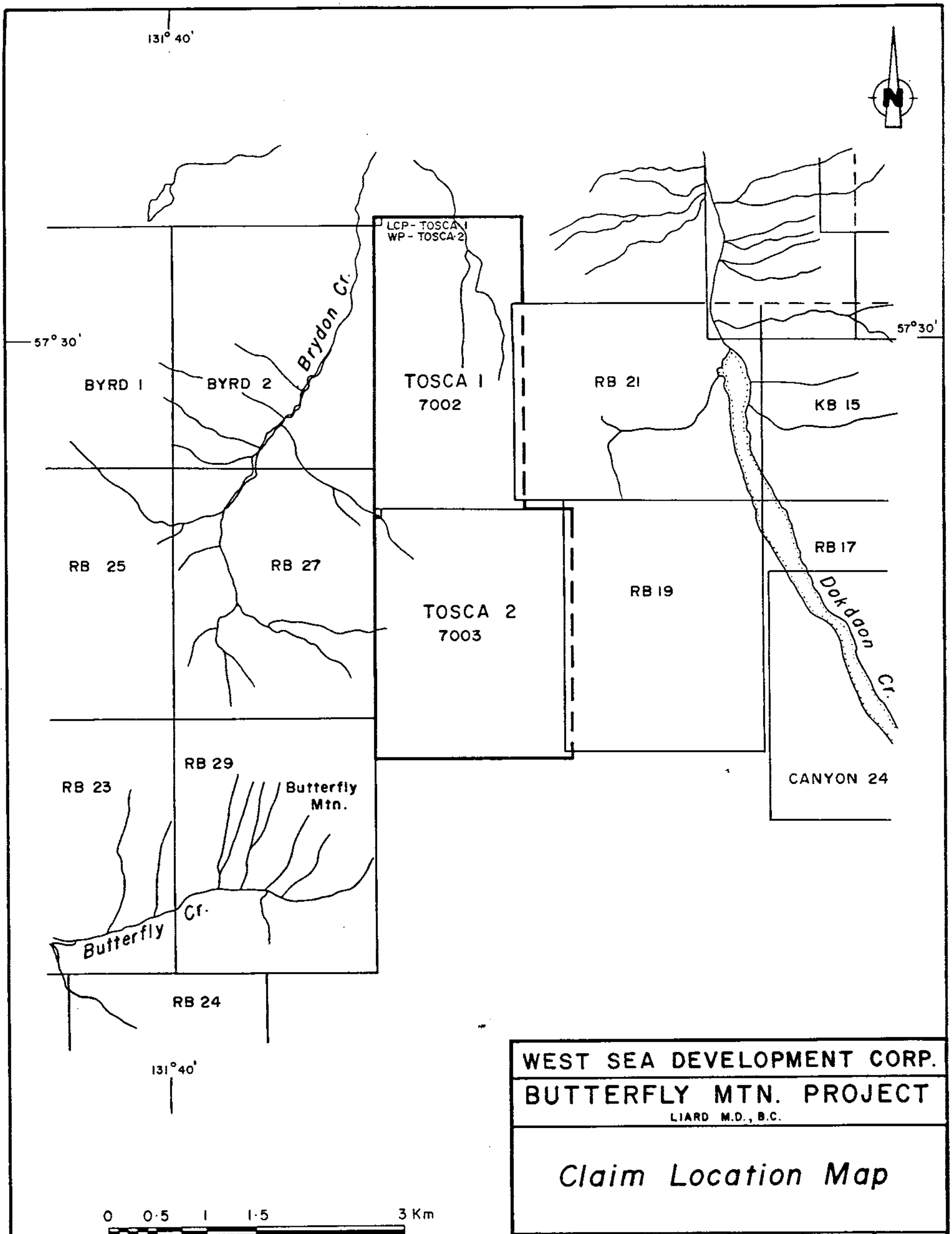
Claim Name	Record No.	Units	Record Date	Expiry Date*
		Tosca Group		
Tosca 1	7002	18	Feb. 26, 1990	Feb. 26, 1993
Tosca 2	7003	20	Feb. 26, 1990	Feb. 26, 1993

Total No. of Claims = 38

* after application of assessment work described in this report.



WEST SEA DEVELOPMENT CORP.			
BUTTERFLY MTN. PROJECT LIARD M.D., B.C.			
General Location Map			
HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: as shown	N.T.S.: 104G/4,5	FIGURE No: 1
	DWN. BY:	DATE: OCT. 1990	
	CHKD. BY:	PROJECT No: 90BC044A	FILE No:



WEST SEA DEVELOPMENT CORP.

BUTTERFLY MTN. PROJECT

LIARD M.D., B.C.

Claim Location Map

HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 50,000	N.T.S.: 104G/4,5	FIGURE No: 2
	DWN. BY:	DATE: OCT. 1990	
	CHKD. BY:	PROJECT No: 90BC044A	FILE No:

The Butterfly Mountain Project lies at the very western edge of the Intermontane Belt within the Stikine Arch near the boundary with the Coast Crystalline Tectonic Belt. The geology of the Galore Creek-Iskut River area has been mapped by Kerr (1930, 1948), Souther (1971), Grove (1986, 1987), Brown and Gunning (1989), Brown, Greig and Gunning (1990) and Logan, Koyanagi and Rhys (1989b).

Caulfield (1990) summarizes the regional geology (Figure 3) and mineralization of the area as follows:
"Stikinian stratigraphy ranges from possibly Devonian to Jurassic, and was subsequently intruded by granitoid plutons of Upper Triassic to Eocene age. The oldest strata exposed in the Galore Creek camp are Mississippian or older mafic to intermediate volcanic flows and pyroclastic rocks with associated clastic sediments and carbonate lenses. These are capped by up to 700 metres of Mississippian limestone with a diverse fossil fauna. It appears from fossil evidence that all the Pennsylvanian system is missing and may be represented by an angular unconformity and lacuna of 30 million years, although field relationships are complicated by faulting (Monger, 1977; Logan and Koyanagi, 1989a). Permian limestones, also about 700 metres thick, lie upon the Mississippian limestone but are succeeded by a second lacuna amounting to about 20 million years from the Upper Permian to the Upper Lower Triassic.

Middle and Upper Triassic siliciclastic and volcanic rocks are overlain by Upper Triassic Stuhini Group siliciclastics and volcanic rocks, consisting of mafic to intermediate pyroclastic rocks and lesser flows. The Galore Creek porphyry copper deposit appears from field evidence to mark the edifice of an eroded volcanic centre with numerous sub-volcanic plutons of syenitic composition. Jurassic Bowser Basin strata onlap the Stuhini Group strata to the southwest of Iskut River but, because of erosion and non-deposition, are virtually absent from the Galore Creek area.

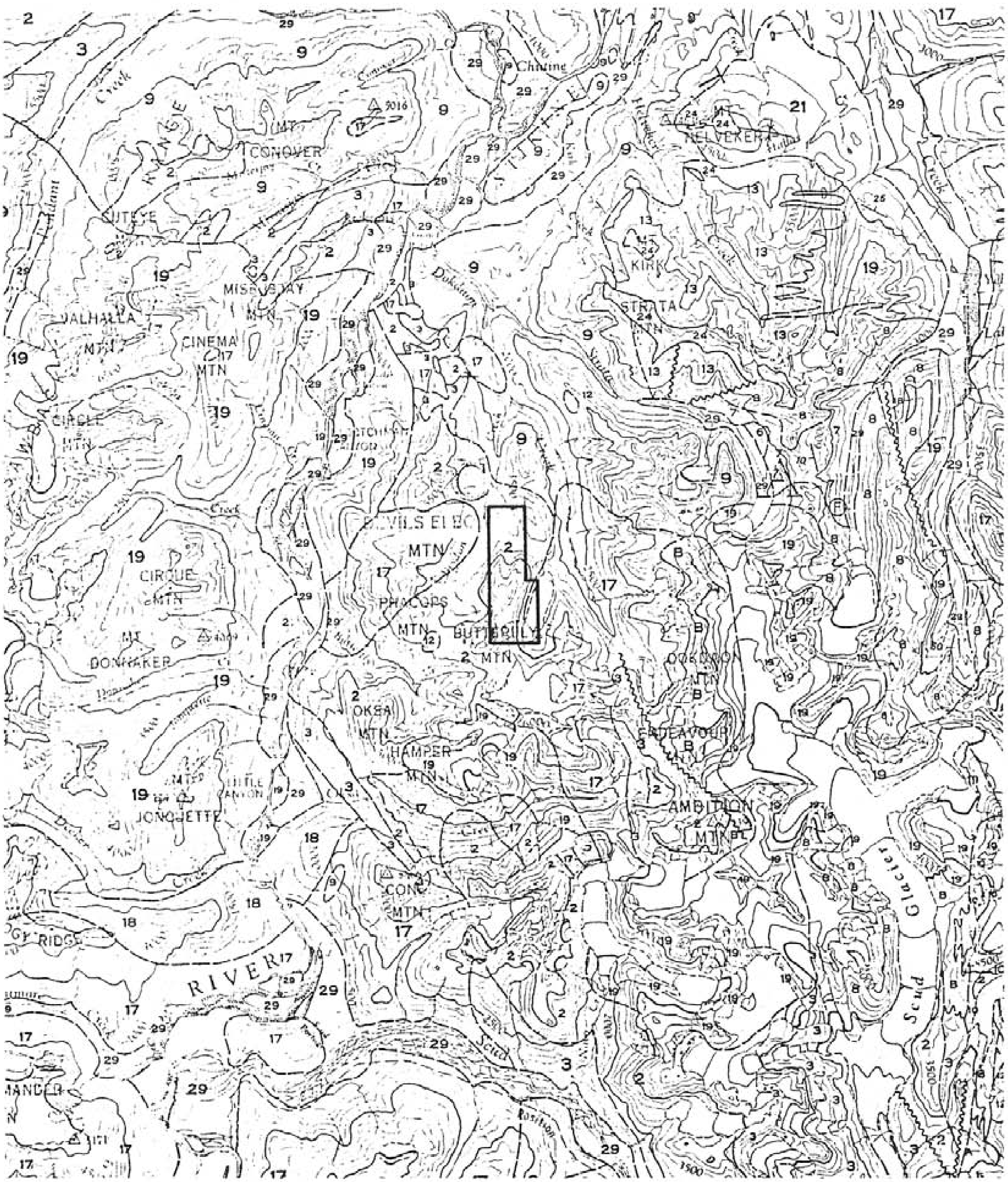
The plutonic rocks follow a three-fold division (Logan and Koyanagi, 1989a). Middle Jurassic to Late Jurassic syenitic and broadly granodioritic intrusions are partly coeval and cogenetic with the Stuhini Group volcanics and include the composite Hickman Batholith and the syenitic porphyries of the Galore Creek Complex. Jura-Cretaceous Coast Plutonic Complex intrusions occur on the west side of the Galore Creek Camp, along the Stikine River, with the youngest of these intrusions occupying more axial positions along the trend of the Coast Plutonic Complex flanked by older intrusions. The youngest intrusives in the Galore Creek camp are Eocene (quartz-) monzonite plugs, felsic and mafic sills and dykes, and biotite lamprophyre (minette) dykes. (Figure 3.)

The dominant style of deformation in the Galore Creek area consists of upright north-trending, open to tight folds and northwest-trending, southwest-verging, folding and reverse faulting in the greenschist facies of regional metamorphism. Localized contact metamorphism ranges as high as pyroxene hornfels grade; metasomatism is also noted near intrusions. Upright folding may be an early manifestation of a progressive deformation which later resulted in a southwest-verging structures. Southwest-verging deformation involves the marginal phases of the Hickman Batholith and so is, at least in part, no older than Late Triassic.

Steeply dipping faults which strike north, northwest, northeast, and east have broken the area into a fault-block mosaic. North-striking faults are vertical to steeply east-dipping and parallel to the Mess Creek Fault (Souther, 1972), which was active from Early Jurassic to Recent times (Souther and Symons, 1974); northwest-striking faults are probably coeval with the north-striking faults, but locally predate them. East-west trending faults are vertical or steeply dipping to the north and have normal-type motion on them (i.e., north-side down), whereas northeast-striking faults are the loci of (sinistral) strike-slip motion (Brown and Gunning, 1989a)

A number of metallic deposit types have been recognized in the Galore Creek camp; porphyry copper +/- molybdenum +/- gold deposits, structurally controlled precious metal vein/shear deposits, skarns and breccia deposits. Porphyry copper deposits of this area include both the alkalic Galore Creek copper-gold and calc-alkaline Schaft Creek copper-molybdenum deposits. Galore Creek, which is associated with syenitic stocks and dikes rather than a quartz-feldspar porphyry, is further contrasted from the calc-alkaline Schaft Creek in that molybdenite is rare, magnetite is common and gold and silver are important by-products. The mineralization is clearly coeval and cogenetic with the spatially associated intrusive bodies. Other porphyry copper occurrences in the Galore Creek area include the Copper Canyon, Sue/Ann, Bik and Jack Wilson Deposits.

Structurally controlled gold-silver deposits have been the focus of exploration in recent years. The vein/shear occurrences are similar throughout the Galore Creek Camp in that they are mesothermal in nature, containing base metal sulphides with strong silica veining and alteration. However, it appears that the intrusive bodies associated with this mineralization fall into two classes on the basis of age and composition. These two classes are reflected in differences in the style of structures, sulphide mineralogy and associated alteration products. The intrusive types are: 1) Lower Jurassic alkaline "Galore Creek" stocks; and 2) Eocene quartz monzonite to porphyritic granodiorite intrusions. Lead isotope data from the Stewart mining camp



SEE FOLLOWING PAGE FOR LEGEND

0 2·5 5 7·5 15 Km

WEST SEA DEVELOPMENT CORP.

BUTTERFLY MTN. PROJECT

LIARD M.D., B.C.

Regional Geology

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1:250,000	N.T.S.: 104G/4,5	FIGURE No: 3
DWN. BY:	DATE: OCT. 1990	
CHKD. BY:	PROJECT No: 90BC044A	FILE No:

TABLE · 2

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

29 Fluviatile gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium

28 Hot-spring deposit, tufa, aragonite

27 Olivine basalt, related pyroclastic rocks and loose tephra; younger than some of 29

TERTIARY AND QUATERNARY
UPPER TERTIARY AND PLEISTOCENE

26 Rhyolite and dacite flows, lava domes, pyroclastic rocks and related subvolcanic intrusions; minor basalt

25 Basalt, olivine basalt, dacite, related pyroclastic rocks and subvolcanic intrusions; minor rhyolite; in part younger than some 26

MESOZOIC

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND LOWER TERTIARY
SLOKO GROUP

24 Light green, purple and white rhyolite, trachyte and dacite flows, pyroclastic rocks and derived sediments

22 23
22. Biotite leucogranite, subvolcanic stocks, dykes and sills
23. Porphyritic biotite andesite, lava domes, flows and (?) sills

SUSTUT GROUP

21 Chert-pebble conglomerate, granite-boulder conglomerate, quartzose sandstone, arkose, siltstone, carbonaceous shale and minor coal

20 Felsite, quartz-feldspar porphyry, pyritiferous felsite, orbicular rhyolite; in part equivalent to 22

19 Medium-to coarse-grained, pink biotite-hornblende quartz monzonite

JURASSIC AND/OR CRETACEOUS
POST-UPPER TRIASSIC PRE-TERTIARY

18 Hornblende diorite

17 Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite

JURASSIC
MIDDLE (?) AND UPPER JURASSIC
BOWSER GROUP

16 Chert-pebble conglomerate, grit, greywacke, subgreywacke, siltstone and shale; may include some 13

MIDDLE JURASSIC

15 Basalt, pillow lava, tuff-breccia, derived volcaniclastic rocks and related subvolcanic intrusions

LOWER AND MIDDLE JURASSIC

14 Shale, minor siltstone, siliceous and calcareous siltstone, greywacke and ironstone

LOWER JURASSIC

13 Conglomerate, polymictic conglomerate; granite-boulder conglomerate, grit, greywacke, siltstone; basaltic and andesitic volcanic rocks, peperites, pillow-breccia and derived volcaniclastic rocks

TRIASSIC AND JURASSIC
POST-UPPER TRIASSIC PRE-LOWER JURASSIC

12 Syenite, orthoclase porphyry, monzonite, pyroxenite

HICKMAN BATHOLITH

10 11
10. Hornblende granodiorite, minor hornblende-quartz diorite 11. Hornblende, quartz diorite, hornblende-pyroxene diorite, amphibolite and pyroxene-bearing amphibolite

TRIASSIC
UPPER TRIASSIC

9 Undifferentiated volcanic and sedimentary rocks (units 5 to 8 inclusive)

8 Augite-andesite flows, pyroclastic rocks, derived volcaniclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate

7 Siltstone, thin-bedded siliceous siltstone, ribbon chert, calcareous and dolomictic siltstone, greywacke, volcanic conglomerate, and minor limestone

6 Limestone, fetid argillaceous limestone, calcareous shale and reefoid limestone; may be in part younger than some 7 and 8

5 Greywacke, siltstone, shale; minor conglomerate, tuff and volcanic sandstone

MIDDLE TRIASSIC

4 Shale, concretionary black shale; minor calcareous shale and siltstone

PALEOZOIC

PERMIAN
MIDDLE AND UPPER PERMIAN

3 Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff

PERMIAN AND OLDER

2 Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone

MISSISSIPPIAN

1 Limestone, crinoidal limestone, ferruginous limestone; maroon tuff, chert and phyllite

B Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic

A Ultramafic rocks; peridotite, dunite, serpentinite; age unknown, probably pre-Lower Jurassic

Geological boundary (defined and approximate, assumed)

Bedding (horizontal, inclined, vertical, overturned)

Anticline

Syncline

Fault (defined and approximate, assumed)

Thrust fault, teeth on hanging-wall side (defined and approximate, assumed)

Fossil locality .... Ⓕ

Mineral property .... .15 ×

Glacier

INDEX TO MINERAL PROPERTIES

1. Liard Copper	5. Bam	9. MH	13. Ann, Su
2. Galore Creek	6. Gordon	10. BIK	14. SF
3. QC, QCA	7. Limpoke	11. JW	15. Goat
4. Nabs	8. Poke	12. Copper Canyon	16. Mary

SOUTHER (1971)

(Alldrick et al., 1987) further supports the proposition that separate Jurassic and Tertiary mineralizing events were "brief regional-scale phenomena".

Structures associated with the Lower Jurassic syenites are typically narrow (less than 2.0 metres) quartz-chlorite veins mineralized predominantly with pyrite, chalcopyrite and magnetite. Examples of these structures in the Galore Creek camp include many of the discrete zones peripheral to the Galore Creek deposit and the gold-rich veins at Jack Wilson Creek. The Tertiary mineralization comprises discrete quartz veins and larger 'shear' zones characterized by pervasive silicification, sericitization and pyritization whose total sulphide content is commonly quite low. The quartz veins contain a larger spectrum of sulphide minerals including pyrite, chalcopyrite, pyrrhotite, arsenopyrite, galena and sphalerite. Unlike the Jurassic mineralization, silver grades may be very high. A number of mineral showings discovered in the Porcupine River area, including the Paydirt deposit, are of this type.

Skarns represent a minor percentage of the precious metal-bearing occurrences in the Galore Creek Camp. The mineralogy of these deposits could be influenced by the composition of the intrusion driving the hydrothermal fluids, in much the same way as described above for the structurally-controlled deposits. If the invading intrusives are alkalic, the skarn assemblage will be dominated by magnetite and chalcopyrite, as in the Galore Creek deposit and the Hummingbird skarn on the east side of the South Scud River.

The breccia hosted mineralization discovered in the Galore Creek camp precious metal deposits appear to be unique in style and mineralization. Three occurrences have been located in the camp: (1) the zinc-silver-gold Ptarmigan zone in the South Scud River area, (2) the copper-molybdenite-gold-silver breccia at the Trek property on Sphaler Creek and (3) the copper-bearing and magnetite breccias of the complex Galore Creek deposit. The single common denominator of each is that the zones are located along fault structures which may represent the main conduit for mineralizing fluids" Caulfield (1990).

1.5 Previous Work

There is no record of any previous work that has been carried out on these claims.

2.0 PROPERTY GEOLOGY

The northern portion of the Butterfly property is underlain by a Late Jurassic quartz monzonite (Unit 17) of the Coast Plutonic Complex. The southeastern corner of the claims is also underlain by intrusive, a Middle Jurassic hornblende granodiorite (Unit 11d). Both intrusives are in contact with the pre-Permian sedimentary and volcanic units of the Stikinia Assemblage (Unit 2). The sedimentary facies consist of interbedded, rusty meta-argillite, meta-siltstone and calcareous meta-siltstone (Unit 2a) which has been hornfelsed and contact metamorphosed. A well bedded, silicious, felsic ash tuff overlies the meta-sedimentary rocks and discontinuous, recrystallized limestone lenses (Unit 2c) are interbedded with these siliciclastics. The limestone is weakly skarned at the contact of the Late Jurassic quartz monzonite in the northeastern area of the property.

The siliciclastic sedimentary facies interfingers with chloritic andesite flows and volcaniclastic (Unit 2b). Mafic feldspar porphyritic andesite dikes are abundant. They are commonly found along faults and parallel to bedding and contacts.

Structures such as faults, folds and related foliation exist in the Paleozoic rocks on the Butterfly Mountain property. The faults generally trend north to northwest and dip steeply.

2.1 Mineralization

Quartz veins in the silicious sediments contained trace to minor pyrite, pyrrhotite, chalcopyrite and malachite. The veins vary from 10.0 cm to 2.0 metres and are quite discontinuous. Grab samples of the veins did not return anomalous gold values.

Skarn mineralization exists at or very near the contact between the calcareous siltstone and quartz monzonite. The mineralization consists of 1-2% disseminated pyrite, magnetite, chalcopyrite, bornite and malachite along bands of the silicified and skarnified siltstone.

Grab samples (93323, 104286) of diopside-garnet-wollastonite-bearing skarned limestone from the northwestern portion of the property showed trace chalcopyrite and malachite, but they did not contain any gold.

A rock sample (104291) of the massive, very oxidized, silicious, meta-argillite contained 1-2% disseminated to poddy pyrite and pyrrhotite. Along fractures, malachite and azurite were observed; however, this sample did not contain significant gold content (nd).

A talus float sample (102752) of granodiorite (Unit 11d) contained minor disseminated chalcopyrite, malachite and azurite. Again, the Au content was negligible (nd).

3.0 GEOCHEMICAL SURVEY

A program of stream sediment and rock chip sampling was initiated in August 1990 to meet assessment work requirements and determine the potential for the Tosca Group (Butterfly Mountain Project) to host precious metal mineralization.

Rock samples were designated either grab, chip, channel or talus float samples. They were placed in a plastic bag, numbered and shipped to Vangeochem Labs in Vancouver.

Silt samples were taken from the active part of the creek. One Kraft paper sample bag was filled with sediment and all large stones were removed by hand. If no water was flowing in the creek a dry sediment sample was still taken. Each sample was assigned a number then shipped to Vangeochem Labs in Vancouver.

All soil samples taken on the property were talus fines. A Kraft paper bag was filled with material and all oversize fragments were removed. Each sample was assigned a number then shipped to Vangeochem Labs in Vancouver.

Rock chip samples were analyzed geochemically for Au by digestion in Aqua Regia with a solvent extraction and an AA finish. Detection limit for Au by this method is 5 ppb. Ag, Cu, Pb and Zn (in addition to the other 21 elements listed in Appendix I) were analyzed by I.C.A.P. Assay certificates are included in this report as Appendix I. All analytical work was preformed in Vancouver by Vangeochem Labs Ltd. Analytical methods are described in Appendix II.

Silt from two of the creeks draining the Butterfly Mountain Property were sampled by the G.S.C. in 1988 (Open File 1646). The northern creek on the property reported a gold value of 18 ppb and supported by 17 ppm As (sample site 3054). A western flowing creek was also sampled (sample site 3053) and although negligible gold was reported (1 ppb), weak Cu (101 ppm), Pb (15 ppm) and Zn (121 ppm) values were documented.

During the 1990 program silt samples were taken from the six creeks that drain the property. None of them returned significant gold (nd - 20 ppb Au), or arsenic (<3ppm As).

Resampling of the west flowing creek, previously sampled by the government (sample number 3053: Open File 1649) duplicated the government results (118 ppm Cu, 138 ppm Zn:93314). Trace malachite was located in argillite fragments on the talus slope; however, no mineralization was located in situ.

Contour talus fines (scree) sampling was carried out in two locations on the property. Thirty four samples were collected on the western slope across the drainage of the weak Cu, Pb and Zn silt anomaly (3053) reported in Open File 1646. One soil sample (102965) returned 450 ppb Au with no support from either adjacent sample (25 metre sample interval). No mineralization was located in the cliffs above this soil line.

A second soil line (also sampled on a 25 metre sample interval) was established. Fourty two samples were obtained in the northern area of the property close to the contact of the quartz monzonite and the meta-sediments. This soil line traversed across the drainage of the weakly anomalous G.S.C. silt anomaly (3054). Results define a weak, discontinuous (30 - 60 ppb) gold anomaly between sample numbers 102997 and 103111. No mineralization was noted in this immediate area and further detailed prospecting upslope is recommended.

A brief description of the samples collected is given in Appendix III.

Respectfully Submitted,

Bruce Goad, M.Sc., F.G.A.C.

4.0 STATEMENT OF COSTS

STATEMENT OF COSTS - Butterfly Mt. Project

CLAIMS: Tosca 1 and Tosca 2.
No. OF UNITS: 38.
GROUP: Tosca Group.
PERIOD COVERED: August 15 to October 12, 1990.

FIELD SALARIES

B. Goad (Geologist) 2.24 days @ $400.00/day	$ 896.00
D. Bahrey (Geologist) 3.36 days @ $300.00/day	1008.00
G. Mowatt (Prospector) 1.16 days @ $300.00/day	348.00
D. Carstens (Prospector) 0.16 days @ $300.00/day	48.00
A. Kriberg (Prospector) 3.16 days @ $250.00/day	790.00
D. Hebditch (Sampler) 2.16 days @ $250.00/day	540.00
D. Dunn (Geologist) 0.20 days @ $400.00/day	80.00

PROJECT EXPENSE

Project Preparation (8% of $3,899.00)	311.92
Map Reproductions (8% of $ 1,424.71)	113.98
Mob/Demob (8% of $22,944.95)	1835.60
Domicile (12.44 man-days @ $125.00/man-day)	1555.00

Supervision	45.60
Geochemical Survey:	
Geochemical Analysis	
69 rock samples @ $17.00/sample	1173.00
76 soil samples @ $15.00/sample	1140.00
04 silt samples @ $15.00/sample	60.00
Helicopter Support (3.27 hours @ $694.95/hour	2272.49
Fixed Wing Support (8% of $2,655.25)	212.42
Equipment Rental (12.44 man-days @ $25.00/day)	311.00
Satellite Telephone/Fax use:	
Coast Mountain 12.44 man-days @ $15.00/day	186.60
Walkie-Talkie Rental:	
12.44 man-days @ $5.00/unit/man/day	62.20
Field Supplies (8% of $1,768.40)	141.47
Expediting (8% of $521.39)	41.71
Computer Rental (8% of $403.31)	32.26
Accounting, Communications, Freight	214.51
Report Preparation, Drafting and Compilation	1605.00
15% Management Fee	2253.71
TOTAL EXPENDITURES (Tosca Group):	**$ 17,278.47**

5.0 STATEMENT OF QUALIFICATIONS

I, Bruce E. Goad of 9331 Kingcome Place, Richmond, in the province of British Columbia, do hereby certify that:

1. I am employed as a Consulting Geologist with Inukshuk Exploration Inc., whose offices are located at 9331 Kingcome Place, Richmond, British Columbia, V7A 4W8. I am currently contracted to Hi-Tec Resource Management Ltd., Suite 1500 - 609 Granville Street, Vancouver, British Columbia. V7Y 1G5.

2. I am a graduate of the University of Western Ontario with a B.Sc (Hon) degree in Geology (1976).

3. I am a graduate of the University of Manitoba with a M.Sc. degree in Earth Sciences (1984).

4 I am a Fellow of the Geological Association Of Canada.

5. My primary field of employment since 1975 has been in the field of mineral exploration.

6. I have no interest, directly or indirectly in the securities of West Sea Development Corporation or Goldbelt Mines Inc., nor do I expect to acquire such interest.

7. I have no interest in the subject mineral properties.

Dated and signed at Richmond, British Columbia

this 6th day of December, 1990.

Bruce Goad, President,
Inukshuk Exploration Inc.,
9331 Kingcome Place,
Richmond, British Columbia.
V7A 4W8

6.0 BIBLIOGRAPHY

Anderson, R.A..(1989): A Stratigraphic, Plutonic and Structural Framework for the Iskut River Map Area, Northwestern British Columbia, in Current Research, Part E: Geological Survey of Canada, Paper 89-1E, pp. 145-154.

Awmack, H.J. and Yamamura, B.K. (1988a): 1988 Summary Report on the JW 1, JW 3, IC II and PS I Claims; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.

Awmack, H.J. and Yamamura, B.K. (1988b): 1988 Summary Report on the JW 1, JW 4, 5, 6, 7 and 8 Claims; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.

Brown, D.A., Greig, C.J. and Gunning, M.H. (1990): Geology of the Stikine-Yehiniko Lake Area, Northwestern British Columbia, Map (sheet 1 of 2), British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1990-1.

Brown, D.A., Greig, C.J. and Gunning, M.H. (1990): Geochemistry of the Stikine-Yehiniko Lake Area, Northwestern British Columbia, Map (sheet 2 of 2), British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1990-1.

Brown, D.A. and Gunning, M.H. (1989a) Geology of the Scud River area, North Western British Columbia, (104 G/5, 6) in Geological Fieldwork 1988; British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Paper 1989-1, pp. 251-267.

Brown, D.A. and Gunning, M.H. (1989b) Geology of the Scud River Area, Northwestern British Columbia, (Map sheet 1 of 2); British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1989-7.

Brown, D.A. and Gunning, M.H. (1989b) Geochemistry and Mineral Occurrences of the Scud River Area, Northwestern British Columbia, (Map sheet 2 of 2); British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1989-7.

Caulfield, D.A. (1990): West Sea Development Corporation Qualifying Report on the Goldbelt Option Project, Liard Mining Division, British Columbia.

Folk, P.G. (1981): Report on the Geology, Trenching and Sampling oe Marg and Dok Claims; British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report No. 9,617.

Geological Survey of Canada (1957): Stikine River Area, Cassiar District, British Columbia; Geological Survey of Canada, Map 9-1957

Geological Survey of Canada (1988): National Geochemical Reconnaissance, Sundum - Telegraph Creek, British Columbia (N.T.S. 104 F - 104 G); G.S.C.. Open File 1646.

Kerr, F.A. (1948): Lower Stikine and Western Iskut River Areas, British Columbia; Geological Survey of Canada, Memoir 246, 94 pg.

Logan, J.M. and Koyanagi, V.M. (1988a): Geology and Mineral Deposits of the Galore Creek Area, Northwestern British Columbia, 104 G/3 and 4, in Geological Fieldwork 1988; British Columbia Ministry of Energy, Mines and Petroleum Resources; Geological Survey Branch, Paper 1989-1, pp. 269-284.

Logan, J.M., Koyanagi, V.M. and Rhys, D. (1988b): Geology and Mineral Occurrences of the Galore Creek Area, Northwestern British Columbia, 104 G/3 and 4; British Columbia Ministry of Energy, Mines and Petroleum Resources; Geological Survey Branch, Open File 1989-8.

Monger, J.W.H. (1977): Upper Paleozoic Rocks of the Western Canadian Cordillera and Their Bearing on Cordilleran Evolution; Canadian Journal of Earth Science, Vol 14, pp.1832-1859.

Souther, J.G. (1971): Telegraph Creek Map Area, British Columbia; Geological Survey of Canada, Paper 71-44, 38 pg.

Souther, J.G. and Symons, D.T.A. (1974): Stratigraphy and Palaeomagnetism of the Mount Edziza Volcanic Complex, Northwestern British Columbia; Geological Survey of Canada, Paper 73-32, 48 pg.

APPENDIX I

ANALYTICAL RESULTS

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1066 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A

REPORT NUMBER: 900456 GA   JOB NUMBER: 900456   PRIME EQUITIES INC.

SAMPLE #	Au ppb
93081	nd
93082	40
93312	nd
93316	nd
93317	60
93318	20
93319	10
93320	nd
93321	nd
93322	nd
93323	nd
93333	nd
93334	620
93335	100
93474	nd
93475	50
93476	nd
93477	20
93478	nd
93479	50
93480	60
93483	40
93484	nd
93485	30
93486	nd
93487	nd
93488	nd
93489	nd
93490	nd
93491	nd
93492	nd
93493	nd
93494	nd
93495	30
93496	nd
93497	nd
93498	nd
93499	nd
93500	90

DETECTION LIMIT 5
nd = none detected   -- = not analysed   is = insufficient sample

Bruce Goad
Hi-Tec

W3ABM

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900456 GA JOB NUMBER: 900456 PRIME EQUITIES INC.

SAMPLE #	Au ppb
93709	40
93720	nd
93721	nd
93722	nd
93723	nd
93724	nd
93725	nd
93726	nd
93727	nd
102751	nd
102752	nd
102750	nd
104274	nd
104275	nd
104276	nd
104277	nd
104278	nd
104279	nd
104280	nd
104286	nd
104287	80
104288	20
104289	nd
104290	10
104292	10
104293	170
104294	nd
104295	nd
104296	50
104298	nd
104299	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900456 PA PRIME EQUITIES INC. PROJECT: WSABM DATE IN: SEPT 12 1990 DATE OUT: OCT 09 1990 ATTENTION: MR. JIM FOSTER

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
93081	<0.1	0.42	<3	18	<3	>10.00	<0.1	1	42	3	0.29	0.03	0.06	318	3	0.02	7	0.10	11	<2	3	851	<5	<3	11
93082	1.0	5.11	<3	30	<3	2.56	2.1	43	78	221	6.60	0.34	0.62	244	30	0.19	75	0.05	<2	<2	17	263	<5	<3	56
93312	0.3	0.39	<3	18	<3	2.19	<0.1	10	167	101	1.03	0.12	0.30	248	3	0.02	11	0.02	17	4	3	42	<5	<3	22
93316	<0.1	0.05	<3	21	<3	2.03	<0.1	1	148	8	0.39	0.10	0.03	219	6	<0.01	11	<0.01	27	6	<2	45	<5	<3	13
93317	<0.1	0.12	<3	4	<3	1.28	<0.1	2	249	5	0.49	0.07	0.10	103	2	<0.01	13	<0.01	2	2	<2	17	<5	<3	4
93318	0.6	1.15	<3	9	<3	2.37	1.1	15	109	375	1.95	0.14	0.98	409	9	0.06	23	0.04	28	<2	7	37	<5	<3	54
93319	0.2	0.55	<3	29	<3	4.53	1.5	4	121	18	1.52	0.17	0.54	544	2	0.01	4	<0.01	6	<2	3	111	<5	<3	35
93320	<0.1	0.26	<3	6	<3	0.58	<0.1	11	102	58	1.00	0.04	0.24	168	7	<0.01	11	0.01	<2	4	3	14	<5	<3	13
93321	<0.1	0.03	<3	3	<3	0.03	<0.1	2	150	15	0.35	<0.01	0.02	36	1	<0.01	3	<0.01	6	4	<2	2	<5	<3	2
93322	1.4	0.62	<3	9	<3	>10.00	0.8	40	438	1295	1.66	0.07	0.29	715	7	0.03	126	0.24	8	<2	4	212	<5	<3	110
93323	6.7	2.22	<3	93	<3	4.05	1.9	30	70	3196	3.70	0.24	0.94	526	10	0.04	17	0.15	<2	<2	13	65	<5	<3	198
93333	2.4	0.74	<3	79	<3	0.76	0.6	94	114	1052	4.10	0.13	0.59	445	8	0.02	76	0.02	<2	<2	6	14	<5	<3	38
93334	4.3	0.96	<3	24	<3	2.22	3.0	27	46	1640	8.01	0.30	0.33	572	6	0.05	9	0.24	<2	9	13	151	<5	<3	33
93335	1.8	2.05	>2000	37	<3	0.31	<0.1	31	29	960	>10.00	0.90	0.29	165	105	0.13	5	0.04	35	56	23	28	<5	<3	1393
93474	<0.1	1.70	29	128	<3	1.08	0.8	24	77	135	3.21	0.14	1.42	232	6	0.06	28	0.11	<2	<2	10	13	<5	<3	55
93475	4.0	0.98	<3	15	<3	1.51	2.7	124	39	1958	6.59	0.24	0.40	293	9	0.05	93	0.02	<2	<2	10	42	<5	<3	103
93476	0.2	1.55	<3	75	<3	1.63	0.1	22	60	102	2.25	0.13	0.87	478	6	0.02	14	0.02	<2	<2	7	135	<5	<3	32
93477	0.4	1.57	<3	22	<3	1.20	1.6	19	42	67	4.15	0.18	0.79	293	11	0.05	5	0.22	<2	<2	11	39	<5	<3	49
93478	<0.1	0.25	<3	17	<3	0.09	<0.1	2	43	8	0.55	<0.01	0.10	74	5	0.02	<1	<0.01	8	2	<2	5	<5	<3	6
93479	0.6	1.01	<3	14	<3	1.02	1.9	24	60	145	3.12	0.14	0.59	202	4	0.05	19	0.17	<2	<2	9	24	<5	<3	38
93480	0.5	3.35	<3	61	<3	0.55	1.2	28	118	204	6.75	0.31	1.69	354	14	0.08	25	0.03	<2	<2	17	34	<5	<3	94
93481	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
93482	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
93483	<0.1	2.25	<3	>1000	<3	0.27	1.2	16	53	43	2.71	0.13	0.99	261	5	0.04	15	<0.01	<2	<2	10	40	<5	<3	68
93484	0.8	2.37	<3	228	<3	0.98	1.4	15	132	205	4.16	0.17	0.59	231	9	0.07	16	0.02	<2	<2	10	151	<5	<3	40
93485	4.7	3.55	<3	9	<3	3.37	4.7	140	76	955	>10.00	0.61	1.40	2292	16	0.07	233	0.10	<2	2	22	44	<5	<3	176
93486	1.2	0.78	<3	10	<3	0.25	1.9	38	111	215	>10.00	0.28	0.22	366	11	0.05	25	0.02	19	23	11	17	<5	<3	37
93487	0.3	2.03	<3	47	<3	1.18	1.1	41	19	58	4.85	0.25	0.78	600	10	0.07	38	0.23	<2	<2	11	150	<5	<3	67
93488	0.4	2.07	<3	41	<3	1.06	2.4	35	41	54	6.07	0.27	0.70	499	16	0.07	14	0.22	<2	<2	13	100	<5	<3	56
93489	0.5	3.48	<3	79	<3	2.32	1.8	61	93	110	5.41	0.31	1.03	627	11	0.11	64	0.25	<2	<2	18	200	<5	<3	103
93490	0.7	3.94	<3	109	<3	2.13	2.0	41	150	65	5.38	0.33	1.29	648	13	0.13	36	0.29	<2	<2	20	240	<5	<3	76
93491	0.4	2.70	<3	62	<3	0.95	1.7	25	14	45	5.15	0.27	0.84	768	10	0.07	13	0.22	<2	<2	12	135	<5	<3	75
93492	0.2	1.13	<3	43	<3	0.51	1.2	12	70	30	2.17	0.08	0.56	258	3	0.03	<1	0.06	<2	<2	7	51	<5	<3	24
93493	0.7	4.21	<3	255	<3	2.33	2.1	43	27	55	5.69	0.35	1.90	831	9	0.11	7	0.29	<2	<2	22	124	<5	<3	83
93494	0.5	3.20	<3	32	<3	1.46	1.0	19	32	119	4.16	0.18	0.83	337	4	0.08	<1	0.02	<2	<2	11	105	<5	<3	49
93495	0.6	2.83	<3	61	<3	1.07	1.5	41	73	164	5.18	0.23	1.63	505	8	0.05	25	0.23	<2	<2	16	28	<5	<3	68
93496	<0.1	4.84	<3	106	<3	2.11	1.7	29	30	21	4.61	0.30	2.56	490	8	0.13	12	0.34	<2	<2	18	162	<5	<3	85
93497	<0.1	4.46	<3	871	<3	2.28	2.5	55	80	21	7.38	0.37	2.10	2042	10	0.05	68	0.10	<2	<2	16	121	<5	<3	134
93498	0.2	5.12	<3	205	<3	0.28	2.3	42	116	385	7.07	0.30	2.68	915	13	0.05	67	0.09	<2	<2	19	38	<5	<3	118
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

IMPRIMÉ AU CANADA

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900456 PA   PRIME EQUITIES INC.   PROJECT: WSABM   DATE IN: SEPT 12 1990   DATE OUT: OCT 09 1990   ATTENTION: MR. JIM FOSTER

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
93499	0.1	4.26	<3	48	<3	2.24	2.9	26	23	86	4.38	0.24	1.36	320	9	0.17	24	0.29	<2	<2	15	113	<5	<3	59
93500	1.2	1.18	186	24	<3	1.10	0.9	31	58	335	4.40	0.17	0.56	207	4	0.07	36	0.26	106	14	8	49	<5	<3	37
93709	0.2	1.24	<3	90	<3	0.22	1.9	7	38	66	3.42	0.10	0.90	470	85	0.03	5	0.05	7	<2	9	30	<5	<3	64
93720	<0.1	2.29	<3	37	<3	0.79	2.9	19	58	78	5.75	0.21	1.02	967	17	0.06	8	0.12	<2	<2	13	69	<5	<3	129
93721	1.0	0.35	<3	9	<3	0.16	3.8	182	66	171	>10.00	0.29	0.13	298	15	0.05	56	<0.01	29	31	12	8	<5	<3	40
93722	0.1	3.40	<3	34	<3	1.57	2.7	31	74	90	3.40	0.19	1.20	266	10	0.12	32	0.03	<2	<2	14	123	<5	<3	45
93723	<0.1	2.41	<3	76	<3	3.02	1.2	10	43	15	4.32	0.25	0.67	1485	9	0.07	9	0.11	<2	<2	11	159	<5	<3	104
93724	0.8	0.98	<3	34	<3	1.45	2.8	113	45	326	5.85	0.21	0.33	459	45	0.05	74	0.03	6	7	10	65	<5	<3	34
93725	1.1	1.04	<3	11	<3	1.19	2.2	33	47	341	2.40	0.13	0.30	152	9	0.04	27	0.04	<2	<2	9	46	<5	<3	24
93726	<0.1	1.14	<3	19	<3	2.05	1.6	19	38	21	1.50	0.14	0.47	379	4	0.05	11	0.22	<2	<2	8	88	<5	<3	21
93727	0.1	2.77	<3	63	<3	1.19	1.9	16	88	97	2.94	0.18	0.84	203	10	0.09	15	0.05	<2	<2	12	124	<5	<3	23
102751	<0.1	4.43	<3	468	<3	0.34	3.8	49	157	14	8.40	0.37	2.17	562	13	0.06	108	0.05	<2	<2	24	25	<5	<3	105
102752	0.5	3.39	<3	69	<3	0.47	2.0	22	88	3188	6.19	0.18	1.46	1339	9	0.03	8	0.03	<2	<2	13	26	<5	<3	98
102758	0.4	6.87	<3	186	<3	3.55	2.7	32	107	215	3.78	0.28	1.29	221	12	0.12	26	0.22	<2	<2	20	207	<5	<3	35
104274	0.3	3.76	<3	441	<3	>10.00	4.0	29	67	113	9.70	0.41	2.18	2914	18	0.06	34	0.13	<2	<2	19	258	<5	<3	165
104275	0.6	6.66	<3	173	<3	2.19	2.6	28	88	52	5.74	0.39	1.39	615	17	0.17	34	0.10	<2	<2	23	197	<5	<3	83
104276	0.3	1.41	<3	133	<3	0.28	2.2	6	38	36	2.68	0.11	0.45	397	3	0.03	8	0.03	<2	<2	6	30	<5	<3	31
104277	0.9	0.63	<3	61	<3	8.54	1.4	14	41	32	2.19	0.20	0.29	383	2	0.04	21	0.17	4	<2	6	335	<5	<3	23
104278	<0.1	1.95	<3	100	<3	3.86	2.9	33	26	84	5.33	0.26	1.32	1256	6	0.06	14	0.06	<2	<2	12	97	<5	<3	60
104279	0.3	1.79	<3	35	<3	2.99	2.0	24	13	27	4.85	0.26	0.83	721	7	0.08	6	0.67	<2	<2	12	103	<5	<3	46
104280	0.5	2.52	<3	97	<3	1.33	2.3	33	21	193	4.75	0.24	0.84	264	7	0.09	10	0.17	<2	<2	15	62	<5	<3	72
104286	<0.1	2.35	<3	116	<3	>10.00	1.0	7	18	31	0.66	0.17	0.48	686	4	0.04	<1	0.03	<2	<2	10	387	<5	<3	47
104287	2.7	2.41	<3	17	<3	3.37	2.8	67	55	928	4.34	0.25	0.91	451	7	0.10	45	0.09	<2	<2	19	185	<5	<3	50
104288	0.3	1.54	<3	33	<3	2.06	2.5	23	32	179	1.92	0.15	0.50	287	4	0.07	27	0.07	<2	<2	10	100	<5	<3	203
104289	<0.1	0.23	<3	8	<3	0.23	1.1	2	151	14	0.66	0.04	0.05	323	<1	0.01	<1	<0.01	3	<2	<2	9	<5	<3	12
104290	0.7	4.93	<3	38	<3	2.12	2.7	42	74	128	7.13	0.33	0.84	386	30	0.12	55	0.03	<2	<2	20	141	<5	<3	62
104292	<0.1	2.29	<3	54	<3	7.93	2.2	24	32	26	5.25	0.31	0.75	3639	4	0.05	26	0.28	<2	<2	12	74	<5	<3	115
104293	40.0	3.30	<3	47	<3	3.52	7.5	61	32	>20000	9.99	0.40	1.24	1648	16	0.12	54	0.20	<2	<2	22	175	<5	<3	157
104294	0.7	1.96	<3	153	<3	7.09	3.4	8	16	372	4.44	0.28	2.35	1205	7	0.04	5	0.23	<2	<2	10	241	<5	<3	59
104295	0.6	4.26	<3	260	<3	1.33	3.6	57	32	249	8.57	0.44	2.83	988	15	0.07	46	0.31	<2	<2	25	16	<5	<3	150
104296	13.1	0.74	<3	58	<3	4.73	1.5	5	69	26	1.82	0.18	0.49	612	2	0.03	28	0.03	<2	<2	4	102	<5	<3	33
104298	1.1	4.01	<3	81	<3	5.40	3.0	94	19	181	6.01	0.33	1.46	524	10	0.15	52	0.25	<2	<2	21	214	<5	<3	69
104299	3.3	1.51	<3	41	<3	5.27	2.3	32	46	2659	2.91	0.22	0.42	529	5	0.06	22	0.14	<2	<2	10	275	<5	<3	81
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum   > - Greater Than Maximum   is - Insufficient Sample   ns - No Sample   ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A

REPORT NUMBER: 900463 GA JOB NUMBER: 900463 PRIME EQUITIES INC.

SAMPLE #	Au ppb
93313	nd
93314	nd
93315	20
93473	20
102989	10
102990	nd
102991	nd
102992	nd
102993	30
102994	10
102995	20
102996	nd
102997	40
102998	30
102999	10
103000	50
103101	30
103102	40
103103	20
103104	20
103105	40
103106	20
103107	10
103108	20
103109	40
103110	nd
103111	60
103112	20
103113	10
103114	20
103115	nd
103116	nd
103117	nd
103118	nd
103119	20
103120	10
103121	20
103122	nd
103123	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

Bruce Good
Hi-Tec
WSABM

faxed
Sept 26/90

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A

REPORT NUMBER: 900463 GA JOB NUMBER: 900463 PRIME EQUITIES INC.

SAMPLE #	Au ppb
103124	nd
103125	nd
103126	nd
103127	nd
103128	nd
103129	nd
103130	nd
104297	nd

Rusel Good
Hi-Tec
WSABM

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900463 PA   PRIME EQUITIES INC.   PROJECT: WSABM   DATE IN: SEPT 13 1990   DATE OUT: OCT 09 1990   ATTENTION: MR. JIM FOSTER

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
93313	0.2	4.91	<3	140	<3	1.39	5.9	61	69	228	6.04	0.23	2.53	1156	15	0.08	70	0.08	11	<2	17	75	<5	<3	153
93314	0.1	4.62	<3	218	<3	1.03	5.2	46	44	118	5.85	0.21	1.93	1789	15	0.05	50	0.08	4	<2	15	121	<5	<3	138
93315	0.1	4.27	<3	77	<3	1.04	5.9	42	47	94	7.09	0.24	2.29	1732	17	0.06	55	0.10	6	<2	17	67	<5	<3	156
93473	<0.1	2.26	<3	84	<3	1.01	3.0	24	32	85	2.99	0.14	1.05	390	7	0.05	38	0.06	<2	<2	9	59	<5	<3	52
102989	0.7	3.19	<3	228	<3	0.71	4.6	35	38	77	6.04	0.18	1.69	1656	12	0.06	57	0.15	8	<2	13	48	<5	<3	148
102990	0.3	3.05	<3	97	<3	0.91	5.2	36	31	79	5.98	0.20	1.36	1493	15	0.06	45	0.11	22	<2	13	41	<5	<3	249
102991	<0.1	2.96	<3	74	<3	2.52	4.1	22	55	46	4.57	0.26	1.33	884	11	0.06	31	0.13	3	<2	12	105	<5	<3	105
102992	<0.1	3.11	<3	68	<3	1.44	4.7	30	32	70	5.53	0.23	1.31	1162	15	0.06	38	0.11	12	<2	13	66	<5	<3	225
102993	0.2	3.13	<3	85	<3	1.13	4.9	37	34	58	5.13	0.20	1.24	2047	14	0.06	42	0.12	16	<2	13	56	<5	<3	215
102994	0.2	3.91	<3	140	<3	1.25	6.5	52	45	157	6.67	0.24	2.16	1684	15	0.08	74	0.13	15	<2	15	89	<5	<3	252
102995	<0.1	3.49	<3	104	<3	1.43	5.7	47	50	132	5.77	0.23	1.88	1381	12	0.07	65	0.11	10	<2	16	75	<5	<3	181
102996	0.3	3.91	<3	147	<3	1.93	5.1	49	55	140	6.17	0.26	2.11	1285	13	0.08	74	0.12	12	<2	16	102	<5	<3	184
102997	1.1	2.96	<3	196	<3	0.95	4.6	37	58	83	4.94	0.18	1.74	1472	11	0.06	69	0.11	21	<2	12	61	<5	<3	159
102998	0.6	3.07	<3	54	<3	0.97	3.8	51	36	176	5.52	0.19	1.57	1547	11	0.06	68	0.09	21	<2	13	41	<5	<3	181
102999	0.2	3.74	<3	84	<3	0.83	5.0	36	49	81	5.78	0.19	1.78	1361	13	0.06	63	0.08	4	<2	15	45	<5	<3	139
103000	<0.1	2.72	<3	42	<3	0.51	3.8	20	45	56	3.93	0.12	0.99	495	11	0.04	49	0.07	6	<2	12	28	<5	<3	85
103101	<0.1	2.93	<3	70	<3	0.75	4.2	30	55	72	5.00	0.17	1.50	1133	12	0.05	75	0.10	12	<2	13	53	<5	<3	94
103102	<0.1	2.28	<3	72	<3	0.80	3.9	19	32	40	4.39	0.15	1.10	819	9	0.05	42	0.11	6	<2	10	68	<5	<3	88
103103	<0.1	2.19	<3	81	<3	0.77	3.2	18	31	38	4.20	0.15	1.03	789	9	0.05	35	0.12	5	<2	10	67	<5	<3	81
103104	<0.1	2.35	<3	103	<3	1.00	3.1	14	45	22	3.76	0.16	0.95	663	9	0.06	25	0.13	<2	<2	11	92	<5	<3	73
103105	<0.1	2.52	<3	127	<3	1.13	3.9	18	50	32	4.33	0.19	1.11	754	10	0.07	65	0.17	<2	<2	12	90	<5	<3	79
103106	<0.1	2.81	<3	106	<3	1.14	3.3	19	51	32	4.34	0.18	1.36	760	11	0.07	40	0.16	<2	<2	12	95	<5	<3	87
103107	<0.1	2.53	<3	171	<3	1.48	3.9	18	78	30	4.11	0.21	1.20	692	11	0.07	95	0.17	<2	<2	12	95	<5	<3	75
103108	<0.1	2.83	<3	93	<3	1.05	3.9	26	26	47	4.73	0.19	1.20	913	10	0.07	33	0.17	3	<2	12	91	<5	<3	98
103109	<0.1	2.59	<3	83	<3	1.01	4.2	25	28	46	4.53	0.19	1.11	850	10	0.07	36	0.17	6	<2	11	88	<5	<3	100
103110	<0.1	2.88	<3	93	<3	1.06	4.0	25	30	46	5.01	0.20	1.22	922	11	0.07	37	0.18	5	<2	13	94	<5	<3	102
103111	<0.1	2.61	<3	86	<3	0.87	3.7	24	38	48	4.66	0.17	1.04	962	12	0.07	42	0.15	3	<2	12	84	<5	<3	108
103112	<0.1	2.12	<3	92	<3	0.97	3.1	13	41	24	4.15	0.18	0.79	537	8	0.05	28	0.20	2	<2	10	93	<5	<3	64
103113	<0.1	2.49	<3	60	<3	1.70	4.9	27	70	64	4.86	0.23	0.99	822	13	0.08	87	0.25	9	<2	12	115	<5	<3	102
103114	<0.1	3.65	<3	112	<3	1.80	6.2	35	75	46	6.03	0.27	1.62	1332	14	0.09	60	0.24	11	2	16	135	<5	<3	241
103115	<0.1	5.71	<3	78	<3	0.66	4.9	39	115	97	6.86	0.21	1.33	1151	22	0.07	75	0.14	<2	<2	21	50	<5	<3	201
103116	<0.1	4.52	<3	95	<3	1.32	5.7	44	129	88	6.58	0.26	1.93	1276	16	0.09	98	0.22	10	2	18	132	<5	<3	228
103117	<0.1	4.02	<3	75	<3	1.47	3.7	40	146	52	5.98	0.25	1.45	815	13	0.09	85	0.19	5	<2	17	98	<5	<3	93
103118	<0.1	4.86	<3	84	<3	0.79	4.4	54	119	90	6.69	0.21	1.39	1398	20	0.07	87	0.13	9	3	19	63	<5	<3	207
103119	0.2	4.17	<3	62	<3	1.01	4.6	37	92	87	5.86	0.22	1.04	1002	15	0.07	69	0.13	12	<2	18	62	<5	<3	156
103120	0.3	5.14	<3	75	<3	0.82	4.8	45	114	88	6.13	0.21	1.62	1124	16	0.07	78	0.12	4	<2	20	49	<5	<3	174
103121	0.4	6.01	<3	98	<3	0.66	5.5	63	131	104	7.72	0.24	2.34	1986	17	0.08	104	0.12	6	<2	22	40	<5	<3	227
103122	0.1	4.89	<3	95	<3	1.41	5.4	38	126	60	5.38	0.25	2.05	934	12	0.11	81	0.12	<2	<2	18	113	<5	<3	124
103123	0.2	4.46	<3	75	<3	0.43	4.9	32	89	57	4.97	0.14	1.88	1010	15	0.06	69	0.09	7	<2	18	44	<5	<3	165
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900463 PA PRIME EQUITIES INC. PROJECT: WSABM DATE IN: SEPT 13 1990 DATE OUT: OCT 09 1990 ATTENTION: MR. JIM FOSTER PAGE 2 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
103124	<0.1	4.61	<3	174	<3	1.21	4.4	33	88	34	5.79	0.27	2.24	832	10	0.10	55	0.18	<2	<2	18	144	<5	<3	126
103125	<0.1	2.97	<3	110	<3	0.79	2.1	23	47	29	4.45	0.17	1.39	741	8	0.06	47	0.16	<2	<2	12	55	<5	<3	87
103126	<0.1	1.94	<3	70	<3	0.20	1.7	15	49	22	3.10	0.07	0.54	158	7	0.03	17	0.06	6	<2	12	19	<5	<3	57
103127	<0.1	3.69	<3	91	<3	0.52	2.4	23	31	35	4.52	0.15	1.25	583	9	0.06	18	0.13	<2	<2	15	38	<5	<3	84
103128	0.8	4.40	<3	157	<3	1.20	2.3	30	24	40	5.48	0.23	2.00	810	8	0.08	23	0.22	<2	<2	16	78	<5	<3	114
103129	<0.1	3.77	<3	91	<3	0.24	1.1	19	24	34	3.79	0.10	1.04	448	8	0.04	13	0.10	<2	<2	15	22	<5	<3	76
103130	<0.1	4.28	<3	67	<3	0.29	1.2	22	27	39	4.95	0.13	1.05	335	8	0.05	10	0.07	<2	<2	17	20	<5	<3	67
104297	<0.1	2.78	<3	133	<3	0.84	1.6	28	25	54	4.89	0.18	1.20	1369	9	0.07	18	0.14	<2	<2	12	104	<5	<3	119
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1066 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT:	PRIME EQUITIES INC.	DATE:	SEPT 21 1990
ADDRESS:	10th Flr 808 W. Hastings St.		
:	Vancouver, BC	REPORT#:	900475 GA
:	V6C 2X6	JOB#:	900475
PROJECT#:	WSAME	INVOICE#:	900475 NA
SAMPLES ARRIVED:	SEPT 14 1990	TOTAL SAMPLES:	39
REPORT COMPLETED:	SEPT 21 1990	SAMPLE TYPE:	39 SOIL & SILT
ANALYSED FOR:	Au (FA/AAS) ICP	REJECTS:	DISCARDED

SAMPLES FROM: MR. BRUCE GOAD - HI-TEC RESOURCE
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: ____________________

GENERAL REMARK: None

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1088 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900475 GA JOB NUMBER: 900475 PRIME EQUITIES INC.

SAMPLE #	Au ppb
93305	nd
93307	nd
93308	330
93347	340
93348	nd
102806	520
102951	30
102952	nd
102953	nd
102954	nd
102955	nd
102956	nd
102957	nd
102958	nd
102959	nd
102960	nd
102961	nd
102962	nd
102963	nd
102964	nd
102965	450
102966	nd
102967	nd
102968	nd
102969	nd
102970	nd
102971	nd
102972	nd
102973	nd
102974	nd
102975	nd
102976	nd
102977	30
102978	nd
102979	nd
102980	nd
102981	nd
102982	nd
102983	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

BATTERFLY Mt.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900475 PA   PRIME EQUITIES INC.   PROJECT: WSAME   DATE IN: SEPT 14 1990   DATE OUT: OCT 11 1990   ATTENTION: MR. JIM FOSTER   PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
93305	0.2	1.34	<3	137	<3	1.21	2.0	27	22	84	3.76	0.15	0.80	671	5	0.03	13	0.07	<2	<2	8	42	<5	<3	54
93307	<0.1	1.32	<3	114	<3	0.58	2.0	21	20	69	3.78	0.11	0.76	645	8	0.03	12	0.07	<2	<2	8	31	<5	<3	54
93308	<0.1	0.84	<3	77	<3	1.70	2.2	20	53	34	6.67	0.23	0.58	370	5	0.04	10	0.06	<2	9	9	40	<5	<3	49
93347	0.2	0.82	18	233	<3	0.47	3.0	16	22	66	3.36	0.10	0.60	752	8	0.02	9	0.06	258	6	6	25	<5	<3	130
93348	0.3	1.91	39	219	<3	0.73	8.3	24	24	96	4.29	0.16	0.97	1160	23	0.05	16	0.07	227	<2	10	40	<5	<3	360
102806	0.1	1.59	<3	142	<3	0.64	3.6	23	17	130	3.59	0.11	0.71	818	18	0.03	8	0.07	27	<2	8	36	<5	<3	147
102951	<0.1	5.09	<3	172	<3	1.43	3.5	60	60	181	6.14	0.27	1.91	1338	8	0.07	61	0.08	<2	<2	19	86	<5	<3	202
102952	<0.1	6.01	<3	194	<3	2.09	3.4	55	58	145	5.95	0.28	2.16	1234	10	0.07	46	0.09	<2	<2	21	126	<5	<3	158
102953	<0.1	5.12	<3	320	<3	1.36	3.9	38	34	99	4.98	0.24	2.01	1670	8	0.05	37	0.06	<2	<2	17	143	<5	<3	149
102954	<0.1	4.41	<3	157	<3	0.87	4.0	37	40	98	5.23	0.20	1.80	1207	8	0.04	36	0.06	<2	<2	17	89	<5	<3	141
102955	<0.1	4.99	<3	132	<3	0.69	3.3	62	63	131	7.43	0.25	2.74	2026	11	0.04	69	0.07	<2	<2	18	49	<5	<3	143
102956	<0.1	4.56	<3	113	<3	0.39	2.4	49	49	105	6.88	0.21	2.39	1966	9	0.03	57	0.07	<2	<2	14	32	<5	<3	136
102957	<0.1	4.47	<3	85	<3	0.52	2.8	39	57	104	6.97	0.22	2.44	1457	12	0.04	58	0.07	<2	<2	15	33	<5	<3	138
102958	<0.1	4.90	<3	104	<3	0.69	3.4	53	48	129	7.44	0.25	2.43	2249	11	0.05	59	0.09	<2	<2	18	63	<5	<3	150
102959	<0.1	4.75	<3	85	<3	1.27	3.6	57	49	105	7.64	0.31	2.58	1902	11	0.05	53	0.10	<2	<2	21	75	<5	<3	151
102960	<0.1	4.63	<3	123	<3	0.86	2.8	54	46	108	8.13	0.28	2.39	2572	17	0.05	48	0.09	<2	<2	20	73	<5	<3	173
102961	<0.1	3.89	<3	87	<3	1.78	1.7	44	63	88	5.49	0.24	1.99	1193	11	0.05	57	0.10	<2	<2	16	116	<5	<3	122
102962	<0.1	5.14	<3	179	<3	1.52	2.4	56	56	122	6.17	0.25	2.17	1349	9	0.06	67	0.03	<2	<2	20	157	<5	<3	145
102963	<0.1	5.75	<3	187	<3	1.62	3.3	103	46	200	7.58	0.31	1.75	2377	14	0.05	100	0.11	<2	<2	18	228	<5	<3	207
102964	<0.1	7.41	<3	129	<3	2.33	3.2	70	50	199	6.20	0.32	2.11	2111	11	0.05	68	0.08	<2	<2	19	272	<5	<3	228
102965	<0.1	5.42	<3	219	<3	2.65	3.7	58	25	180	5.96	0.30	1.31	1405	9	0.04	52	0.17	<2	<2	15	238	<5	<3	232
102966	<0.1	5.49	<3	133	<3	1.49	2.8	113	33	345	6.39	0.27	1.41	1670	12	0.05	74	0.15	<2	<2	19	242	<5	<3	282
102967	<0.1	5.06	<3	194	<3	2.34	2.7	74	41	195	6.66	0.31	1.67	1685	11	0.05	58	0.10	<2	<2	17	253	<5	<3	202
102968	<0.1	5.25	<3	121	<3	1.18	2.3	71	29	234	5.89	0.24	1.95	2390	8	0.04	43	0.11	<2	<2	17	202	<5	<3	183
102969	<0.1	4.46	<3	64	<3	3.17	1.4	43	97	44	5.55	0.28	2.11	816	10	0.14	100	0.08	<2	<2	22	129	<5	<3	84
102970	<0.1	5.37	<3	128	<3	2.63	1.4	39	39	99	4.68	0.25	1.53	928	7	0.06	31	0.13	<2	<2	21	257	<5	<3	116
102971	<0.1	4.26	<3	98	<3	1.63	1.4	43	33	145	5.27	0.23	1.75	921	9	0.04	44	0.09	<2	<2	16	185	<5	<3	166
102972	<0.1	6.04	<3	117	<3	1.57	1.8	49	32	210	6.05	0.27	1.73	951	9	0.05	52	0.05	<2	<2	20	225	<5	<3	142
102973	<0.1	5.35	<3	103	<3	1.96	1.9	55	39	154	6.90	0.28	2.48	2613	12	0.05	39	0.07	<2	<2	18	152	<5	<3	161
102974	<0.1	3.96	<3	73	<3	1.09	0.4	31	35	70	4.24	0.16	1.35	869	7	0.04	23	0.13	<2	<2	16	81	<5	<3	112
102975	<0.1	5.99	<3	105	<3	0.91	2.2	63	47	170	6.53	0.24	2.13	1334	10	0.04	63	0.09	<2	<2	22	106	<5	<3	158
102976	<0.1	5.19	<3	105	<3	0.84	1.6	34	38	87	4.85	0.18	1.51	701	9	0.04	34	0.10	<2	<2	19	102	<5	<3	126
102977	<0.1	6.41	<3	96	<3	0.95	3.0	69	49	246	7.18	0.26	2.45	1604	9	0.05	61	0.09	<2	<2	24	105	<5	<3	157
102978	<0.1	4.29	<3	75	<3	1.19	2.1	44	55	131	5.93	0.23	2.21	1069	9	0.06	40	0.10	<2	<2	18	89	<5	<3	143
102979	<0.1	3.85	<3	65	<3	1.83	2.0	39	54	94	5.46	0.25	2.10	916	8	0.07	24	0.10	<2	<2	18	98	<5	<3	113
102980	<0.1	3.81	<3	83	<3	1.70	1.5	33	77	68	4.86	0.22	1.94	759	9	0.09	24	0.10	<2	<2	19	86	<5	<3	95
102981	<0.1	3.50	<3	102	<3	2.06	1.2	31	81	43	3.88	0.22	1.59	517	6	0.12	20	0.11	<2	<2	18	115	<5	<3	74
102982	<0.1	3.70	<3	91	<3	2.54	1.1	30	107	36	4.02	0.23	1.41	538	6	0.13	12	0.11	<2	<2	15	122	<5	<3	111
102983	<0.1	1.42	<3	46	<3	3.23	1.7	18	11	49	1.67	0.16	0.60	741	4	0.02	14	0.12	<2	<2	12	101	<5	<3	151
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum   > - Greater Than Maximum   is - Insufficient Sample   ns - No Sample   ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

APPENDIX II

ANALYTICAL PROCEDURES

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

October 16, 1990

TO: Mr. Bruce Goad
HI-TEC RESOURCE MANAGEMENT LTD.
1500 - 609 Granville Street
Vancouver, BC V7Y 1G5

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine hot acid soluble for 25 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" X 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2 Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCl:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with demineralized water and thoroughly mixed.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

3. <u>Method of Analyses</u>

The ICP analyses elements were determined by using a Jarrell-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disketts.

4 <u>Analysts</u>

The analyses were supervised or determined by Mr. Conway Chun and his laboratory staff.

Conway Chun
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

October 16, 1990

TO: Mr. Bruce Goad
HI-TEC RESOURCE MANAGEMENT LTD.
1500 - 609 Granville St.
Vancouver, BC V7Y 1G5

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST. N.B.
RENO, NEVADA, U.S.A.

(c) The gold is extracted by cupellation and parted with diluted nitric acid.

(d) The gold beads are retained for subsequent measurement.

3. Method of Detection

(a) The gold beads are dissolved by boiling with concentrated aqua regia solution in hot water bath.

(b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Raymond Chan or Mr. Conway Chun and his laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

October 16, 1990

TO: Mr. Bruce Goad
HI-TEC RESOURCE MANAGEMENT LTD.
1500 - 609 Granville Street
Vancouver, BC V7Y 1G5

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Anlytical Procedure for Heavy Mineral Separation of Alluvial samples or coarsely ground rocks.

1. Method of Sample Preparation

(a) Alluvial samples are received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Coarsely ground rocks are received in poly ore bags.

(b) Samples are wet screened by hand using an 18" diameter, 18-mesh stainless steel sieve. The plus 18-mesh fractions are rejected. The minus 18-mesh fractions are washed free of organic matter and slime particles. These fractions are then dried.

(c) Dried samples are transferred to new bags for subsequent analyses.

2. Method of Heavy Mineral Separation

(a) Samples of up to 400 grams are placed into 1000 ml beakers. Tetrabromoethane with a S.G. of 2.95 is added to fill the beakers. The mixture is stirred to free air pockets and to initiate separation. The mixture is left for 15 - 30 minutes for the plus and minus S.G. 2.95 material to separate.

(b) The bulk of the lighter than S.G. 2.95 material is removed which floats on top of the tetrabromoethane solution.

(c) The heavier than S.G.2.95 material and tetrabromoethane is stirred into a large size buret and left for 15 - 30 minutes.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

(d) The heavy minerals are then removed from the bottom of the buret and filtered. This is then washed several times with acetone and dried on the hot plate.

(e) The dried heavy minerals are then put into envelopes for subsequent analyses.

3. <u>Analysts</u>

The procedures are supervised by Mr. Conway Chun and his laboratory staff.

Conway Chun
VANGEOCHEM LAB LIMITED

APPENDIX III

SAMPLE DESCRIPTIONS

Sample Numbers	Description
93312	Talus Float - quartz vein; trace pyrite.
93313	Soil/Talus fines - trace malachite fragments noted.
93314	Silt sample.
93315	Silt sample.
93316	Barren 10 cm quartz vein; 5-10 cm wide and exposed for approximately 10 metres.
93317	Four parallel quartz veins in siliceous sediments; 2-15 cm wide by 5-10 metres long. trace malachite and chalcopyrite.
93318	Quartz vein in the same area as 93317; barren.
93319	Banded quartz vein; 10 cm wide by 10 metres long; 1% very fine-grained pyrite and trace chalcopyrite.
93320	2-3 metre wide bull quartz vein; sharp contact with minor horsetailing in sediments. Trace pyrite, chalcopyrite and malachite.
93321	Same vein as 93320 ten metres along strike.
93322	Weak 10 metre square diopside-garnet-wollastonite skarn above 93320-93321 quartz vein.
93323	Weak diopside-garnet skarned limestone bed 10 cm wide by 4 metres long; trace chalcopyrite and malachite.
93333	Quartz vein 3 metres long by 10 cm wide and pinches out in both directions; trace chalcopyrite and malachite.
93334	Talus Float - skarned limy siltstone band 3 cm wide. Actinolite-magnetite-and trace bornite, chalcopyrite and malachite.
93335	Narrow (5 cm) shear in sediments; no quartz but cemented by Fe-Mn oxides.

93473	Silt sample.
93474	Hornfelsed volcanics (float) with minor chalcopyrite, pyrite cut by 1 mm biotite-calcite stringers.
93475	Massive pyrrhotite in hornfelsed volcanic float; minor chalcopyrite, malachite, azurite.
93476	Quartz vein 3 cm wide with epidote along margin; minor pyrite.
93477	Rusty sediment.
93478	Leached, extremely altered intrusive dike, 1.5 metres wide.
93479	Oxidized sediments with minor pyrrhotite.
93480	As per 93479; grab sample over 1.0 metre width.
93481	Altered intrusive.
93482	Oxidized, hornfelsed sediment (float) with up to 7% pyrrhotite.
92483	Contact between sediments and intrusive; hematite stained and sediments are hornfelsed.
93484	Contact between sediments and intrusive; trace molybdenite; pyrite veins to 2 cm and disseminated pyrite in sediments
93485	Talus float - hornfelsed sediment; 3% pyrite, trace chalcopyrite, molybdenite.
93486	Talus float - oxidized, silicious mudstone containing approximately 10% pyrite.
93487	Source of 93486 - 1.0 metre chip across oxidized zone in sediments; limonite, pyrrhotite and calcite.
93488	Talus float - pyritic volcanic; 0.5% pyrite.
93489	Talus float - fault gouge in volcanics; oxidized with 2% pyrite and pyrrhotite.
93490	Oxidized float; no further description.
93491	Fracture/shear zone in sediments with pyrite and limonite.

93492	Intrusive dike.
93493	Pyritic volcanics.
93494	0.5 metre chip across oxidized intrusive containing poddy limonite and 2% pyrite.
93495	0.3 metre chip across small oxidized pod of pyrite in sediments; minor limonite.
93496	Grab sample of quartz-rich sedimentary unit (0.3 metres wide); pyrite, epidote, chlorite and minor pyrrhotite.
93497	Minor carbonate alteration in sediments; sheared.
93498	Weakly chloritic altered sediments with pyrite and pyrrhotite.
93499	Pyrrhotite-rich oxidized sediment.
93500	Oxidized sediments.
93720	Dark green, fine-grained, silicious sediment with <0.5% disseminated pyrite.
93721	Quartz vein (15 cm wide) with massive pods of pyrite/pyrrhotite (to 10 cm) where it crosscuts a mafic dike.
93722	Silicious, chert banded, propylitically altered andesite with <0.5% pyrite along fractures.
93723	Siliceous, fine-grained andesite; moderate propylitic alteration; weak carbonate alteration; approximately 1% pyrite.
93724	Small (5 cm wide) quart vein/fracture filling; 3% pyrite.
93725	Weak rusty weathering skarn; <0.5% magnetite, pyrite and pyrrhotite combined.
93726	Cherty, silicious chloritic sediment.
93727	Extremely gossanous lens of argillite with 1% disseminated and massive pyrite. The lens is 25 metres wide by 50 metres long.

102751	Pyroxene hornfels of sediments adjacent to intrusive.
102752	Granodiorite float; minor chalcopyrite, malachite and azurite.
102758	No sample description.
102951-102983	Soil samples.
102989-103000	Soil samples.
103101-103130	Soil samples.
104274	Hornfelsed, dark green, fine-grained argillite; very oxidized, <1% disseminated pyrite; sample taken adjacent to mafic dike.
104275	As per 104274; very oxidized.
104276	Interbedded silicious felsic ash tuff; oxidized along fractures; no visible sulphides.
104277	Contact between a granodiorite dike and argillite; extremely oxidized and silicious; <1% pyrite along fractures and disseminated.
104278	Meta-argillite; silicious and oxidized meta-argillite; contains retrograde chlorite and actinolite; <1% pyrite and pyrrhotite blebs.
104279	Chloritic, fine-grained andesite; <1% disseminated pyrite.
104280	Rusty, pyritiferous, silicious, fine-grained, dark grey argillite; very oxidized.
104286	Diopside-epidote-garnet skarn adjacent to felsic dike.
104287	Talus float - weak epidote-garnet skarn; trace malachite and pyrite.
104288	Very silicious, light green and dark grey, banded sediments; <0.5% disseminated pyrite.
104289	Quartz vein (20 cm wide); barren.
104290	Very oxidized, dark grey argillite; 1-2% pyrite-

pyrrhotite blebs.

104291	Silicious, banded sediments - argillite and siltstone; malachite and azurite staining along a joint plane; highly oxidized and limonite staining.
104292	Dark grey, silicious, skarnified interbedded argillite and siltstone.
104293	Talus Float - silicious, skarnified banded siltstone and argillite; contains magnetite, chalcopyrite, pyrite and malachite.
104294	Foliated chloritic tuff or volcanic flow (?); slightly oxidized and abundant calcite.
104295	Talus float - dark grey, massive argillite; minor malachite staining on fracture surfaces.
104296	Talus float - very silicious tuff; oxidized and bleached; <1.0% disseminated pyrite.
104297	Silt sample.
104298	Very oxidized, massive, dark grey, fine-grained, silicious argillite; <5.0% pyrite blebs and disseminations.

LEGEND

STRATIFIED ROCKS

QUATERNARY

29	Glacial till, alluvium and colluvium

STUHINI GROUP

UPPER TRIASSIC

8a	Pyroxene porphyry andesite flows and volcaniclastics

TRIASSIC OR OLDER

Mv	Foliated to massive metavolcanics

STIKINE ASSEMBLAGE

PERMIAN

2	Completely folded and faulted, locally skarnified and recrystallized limestone at intrusive contacts; grey bioclastic limestone with minor chert layers, lenses or nodules; maroon and green plagioclase crystal lithic tuff and tuffaceous mudstone.

PRE-PERMIAN

2a	Undivided metavolcanics and metasediments.
2b	Rusty weathering, pyrite pyrrhotite bearing hornfels meta-argillite and metasiltstone; well-bedded to laminated sericitic silicic ash tuff; varicoloured chert buff calcareous siltstone.
2c	Foliated to massive green and maroon metavolcanics; plagioclase porphyritic andesite flows, volcaniclastics, crystal tuff and lithic lapilli tuff.
2d	Limestone and recrystallized limestone horizons, probably Carboniferous age.

INTRUSIVE ROCKS

TERTIARY AND OLDER DYKES

A/F/G /R	Andesite (A) - plagioclase/hornblende porphyry, felsite (F) - includes Oksa Creek dyke swarm, gabbroic (G) - rhyolite (R).

TERTIARY - EOCENE

19a	Well jointed, medium grained hornblende biotite quartz monzonite to granite; locally K-feldspar megacrystic.

LATE JURASSIC TO TERTIARY
COAST PLUTONIC COMPLEX

19b	Equigranular, medium grained hornblende biotite granodiorite.
18	Medium grained, biotite hornblende diorite.
17	Equigranular, medium grained hornblende biotite granodiorite and quartz monzonite to granite, locally K-feldspar megacrystic; abundant accessory sphene.

MIDDLE JURASSIC
STRATA GLACIER PLUTON & STRATA MOUNTAIN PLUTON

11d	Equigranular, medium grained biotite, hornblende granodiorite and quartz monzonite.

SYMBOLS

Fault (defined, approximate)

Joint

Strike/dip

Contact (defined, approximate)

Outcrop

Carbonate altered zone; gossan

Located LCP (with claim boundary)

Non-located LCP (with claim boundary)

Foliation

Swamp

MINERALIZATION

Po	Pyrrhotite	sch	Schutite
cpy	Chalcopyrite	py	Pyrite
sph	Sphalerite	gal	Galena
mal	Malachite	azur	Azurite
Mo	Molybdenite	hb	Hornblende
cal	Calcite	Ep	Epidote
mag	Magnetite	bor	Bornite

ROCK TYPE NOTATIONS

GD	Granodiorite	Qm	Quartz, monzonite
Dior	Diorite	QV	Quartz vein
fsp	Feldspar porphyry	Lmst	Limestone
PHF	Pyroxene hornfels	skrn	Skarn

open water

creek

swamp

ice boundary

6300 contour (interval : 500 ft)

0 100 200 300 400 500 750 1000 metres

WEST SEA DEVELOPMENT CORP.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

BUTTERFLY MOUNTAIN PROJECT

LIARD M.D., B.C.

20,714

GEOLOGY

HI-TEC
RESOURCE MANAGEMENT LTD.

SCALE: 1:10 000	N.T.S.: 104 G/5,12	FIGURE No: 4
DWN. BY:	DATE: Oct. 1990	
CHKD. BY:	PROJECT No: 90BC044-A	FILE No:

BUTTERFLY ROCK SAMPLE DATA					
Sample	Au	Ag	Cu	Pb	Zn
	ppb	ppm	ppm	ppm	ppm
93081	0	0.0	3	11	11
93082	40	1.0	221	0	56
93312	0	0.3	101	17	22
93316	0	0.0	8	27	13
93317	60	0.0	5	2	4
93318	20	0.6	375	28	54
93319	10	0.2	18	6	35
93320	0	0.0	58	0	13
93321	0	0.0	15	6	2
93322	0	1.4	1295	8	110
93323	0	6.7	3196	0	198
93333	0	2.4	1052	0	38
93334	620	4.3	1640	0	33
93335	100	1.8	960	35	1393
93474	0	0.0	135	0	55
93475	50	4.0	1958	0	103
93476	0	0.2	102	0	32
93477	20	0.4	67	0	49
93478	0	0.0	8	8	6
93479	50	0.6	145	0	38
93480	60	0.5	204	0	94
93481		0.0	3	0	0
93482		0.0	2	0	0
93483	40	0.0	43	0	68
93484	0	0.8	205	0	40
93485	30	4.7	955	0	176
93486	0	1.2	215	19	37
93487	0	0.3	58	0	67
93488	0	0.4	54	0	56
93489	0	0.5	110	0	103
93490	0	0.7	65	0	76
93491	0	0.4	45	0	75
93492	0	0.2	30	0	24
93493	0	0.7	55	0	83
93494	0	0.5	119	0	49
93495	30	0.6	164	0	68
93496	0	0.0	21	0	85
93497	0	0.0	21	0	134
93498	0	0.2	385	0	118
93499	0	0.1	86	0	59
93500	90	1.2	335	106	37
93720	0	0.0	78	0	129
93721	0	1.0	171	29	40
93722	0	0.1	90	0	45
93723	0	0.0	15	0	104
93724	0	0.8	326	6	34
93725	0	1.1	341	0	24
93726	0	0.0	21	0	21
93727	0	0.1	97	0	23
102751	0	0.0	14	0	105
102752	0	0.5	3188	0	98
102758	0	0.4	215	0	35
104274	0	0.3	113	0	165
104275	0	0.6	52	0	83
104276	0	0.3	36	0	31
104277	0	0.9	32	4	23
104278	0	0.0	84	0	60
104279	0	0.3	27	0	46
104280	0	0.5	193	0	72
104286	0	0.0	31	0	47
104287	80	2.7	928	0	50
104288	20	0.3	179	0	203
104289	0	0.0	14	3	12
104290	10	0.7	128	0	62
104291	0	0.2	331	0	71
104292	10	0.0	26	0	115
104293	170	40.0	20000	0	157
104294	0	0.7	372	0	59
104295	0	0.6	249	0	150
104296	50	13.1	26	0	33
104298	0	1.1	181	0	69

BUTTERFLY SOIL/SILT SAMPLE DATA					
Sample	Au	Ag	Cu	Pb	Zn
	ppb	ppm	ppm	ppm	ppm
93313	0	0.2	228	11	153
93314	0	0.1	118	4	138
93315	20	0.1	94	6	156
93473	20	0.0	85	0	52
102951	30	0.0	181	0	202
102952	0	0.0	145	0	158
102953	0	0.0	99	0	149
102954	0	0.0	98	0	141
102955	0	0.0	131	0	143
102956	0	0.0	105	0	136
102957	0	0.0	104	0	138
102958	0	0.0	129	0	150
102959	0	0.0	105	0	151
102960	0	0.0	108	0	173
102961	0	0.0	88	0	122
102962	0	0.0	122	0	145
102963	0	0.0	200	0	207
102964	0	0.0	199	0	228
102965	450	0.0	180	0	232
102966	0	0.0	345	0	282
102967	0	0.0	195	0	202
102968	0	0.0	234	0	183
102969	0	0.0	44	0	84
102970	0	0.0	99	0	116
102971	0	0.0	145	0	166
102972	0	0.0	210	0	142
102973	0	0.0	154	0	161
102974	0	0.0	70	0	112
102975	0	0.0	170	0	158
102976	0	0.0	87	0	126
102977	30	0.0	246	0	157
102978	0	0.0	131	0	143
102979	0	0.0	94	0	113
102980	0	0.0	68	0	95
102981	0	0.0	43	0	74
102982	0	0.0	36	0	111
102983	0	0.0	49	0	151
102989	10	0.7	77	8	148
102990	0	0.3	79	22	249
102991	0	0.0	46	3	105
102992	0	0.0	70	12	225
102993	30	0.2	58	16	215
102994	10	0.2	157	15	252
102995	20	0.0	132	10	181
102996	0	0.3	140	12	184
102997	40	1.1	83	21	159
102998	30	0.6	176	21	181
102999	10	0.2	81	4	139
103000	50	0.0	56	6	85
103101	30	0.0	72	12	94
103102	40	0.0	40	6	89
103103	20	0.0	38	5	81
103104	20	0.0	22	0	73
103105	40	0.0	32	0	79
103106	20	0.0	32	0	87
103107	10	0.0	30	0	75
103108	20	0.0	47	3	98
103109	40	0.0	46	6	100
103110	0	0.0	46	5	102
103111	60	0.0	48	3	108
103112	20	0.0	24	2	64
103113	10	0.0	64	9	102
103114	20	0.0	46	11	241
103115	0	0.0	97	0	201
103116	0	0.0	88	10	228
103117	0	0.0	52	5	93
103118	0	0.0	90	9	207
103119	20	0.2	87	12	156
103120	10	0.3	88	4	174
103121	20	0.4	104	6	227
103122	0	0.1	60	0	124
103123	0	0.2	57	7	165
103124	0	0.0	34	0	126
103125	0	0.0	29	0	87
103126	0	0.0	22	6	57
103127	0	0.0	35	0	84
103128	0	0.8	40	0	114
103129	0	0.0	34	0	76
103130	0	0.0	39	0	67
104297	0	0.0	54	0	119

LEGEND

- contour soil sample
- rock sample
- silt sample
- soil sample
- bulk mineral sample
- open water
- creek
- swamp
- ice boundary
- contour (interval = 500 ft)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,714

0 100 200 300 400 500 750 1000 metres

WEST SEA DEVELOPMENT CORP.

BUTTERFLY MOUNTAIN PROJECT

LIARD M.D., B.C.

GEOCHEMICAL RESULTS (Au, Ag, Cu, Pb, Zn)

SCALE: 1:10000	N.T.S.: 104 G/5,12	FIGURE No: 5
DWN. BY:	DATE: Oct. 1990	
CHKD. BY:	PROJECT No: 90BC044-A	FILE No:

HI-TEC RESOURCE MANAGEMENT LTD