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Gold Commissioner's Office
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SHAKE PROJECT
REPORT ON
GEOLOGICAL AND GEOCHEMICAL PROGRAMS
ON THE SHAKE 1-4 CLAIMS
LIARD MINING DIVISION

NTS 104 G/13E
LATITUDE: 57°49' N LONGITUDE: 132°2' W

OWNER:

Continental Gold Corporation
1020 - 800 West Pender Street
Vancouver, B.C.
V6C 2V6

Operator:

Candela Resources Ltd.
c/o Prime Explorations
11th Floor, P.O. Box 10
808 West Hastings Street
Vancouver, B.C.
V6E 2R1

Author:

David St. Clair Dunn, F.G.A.C.
Hi-Tec Resource Management Ltd.
1500-609 Granville Street
Vancouver, B.C.
V7Y 1G5

September 6, 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20/414

Khote

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 91.10.25

ASSESSMENT REPORT 20414

MINING DIVISION: Liard

PROPERTY: Shake

LOCATION: LAT 57 49 00 LONG 131 36 00
UTM 09 6411055 345548

NTS 104G13E

CLAIM(S): Shake 1-4

OPERATOR(S): Candela Res.

AUTHOR(S): Dunn, D.St.C.

REPORT YEAR: 1990, 45 Pages

COMMODITIES

SEARCHED FOR: Gold, Copper

KEYWORDS: Triassic, Stuhini Group, Andesites, Augite porphyry, Siltstones
Greywackes, Argillites, Pyrite

WORK

DONE: Geological, Geochemical

GEOL 600.0 ha

Map(s) - 1; Scale(s) - 1:5000

HMIN 14 sample(s) ;AU,AG,CU,PB,ZN,MO

ROCK 35 sample(s) ;AU,AG,AS,CU,PB,ZN

SILT 14 sample(s) ;ME

SOIL 180 sample(s) ;AU,AG,CU,PB,ZN,AS

Map(s) - 1; Scale(s) - 1:5000

RELATED

REPORTS: 19127

1.0 SUMMARY

A program of stream sediment sampling, soil sampling, lithogeochemical sampling, and geological mapping was carried out by a four person crew from the 22nd of June to the 9th of August 1990 on the Shake 1-4 claims. The targets of this program were vein, structure related, and disseminated gold mineralization.

The Shake 1-4 claims cover a sequence of volcanic and sedimentary rocks of the Upper Triassic Stuhini Group. This bedded sequence has been intruded by a differentiated Upper Triassic to Lower Jurassic syenitic intrusive, the center of which is located on the southern flank of Rugged Mtn. The stratigraphically lower section of the Stuhini Group on the property is largely composed of mafic volcanic flows and pyroclastics, possibly coeval with the syenite intrusion. The syenite stock is hosted in these volcanics. The upper section of the Stuhini Group is composed of laminated siltstone, greywacke, argillite and minor limestone. This section is undeformed and unmineralized where observed. The bulk of the 1990 program was concentrated on a gossanous area of volcanics northwest of the syenite on the west flank of Rugged Mountain. Detailed stream sediment sampling indicated this is the only area of the property with anomalous gold values.

Following Equity Engineering's recommendations (Caulfield, 1990, personal communication) contour soil lines were run at 1100, 1300 and 1500 metre elevations between "Contact Cr." and "North Cr." This sampling covers the source of the anomalous stream sediments reported by Equity and confirmed and localized by the

work carried out this year. Seven of 159 soil samples were greater than 100 ppb Au. The sites of these samples were examined and chip samples were taken, either by trenching to bedrock above the sample site or sampling rock exposure, where available. The highest value returned in rock was 55 ppb Au. One hundred metre long soil sample lines with 10 metre sample interval were run 30 and 55 metres in elevation above the most anomalous area on line 1570. These soils returned three anomalous values of 165, 770 and 1010 ppb Au. The first two samples were on line 1600 and appear to be downslope dispersion from the site of the latter sample on line 1625. This sample was taken on the contact between a orthoclase porphyry syenite dyke and oxidized, fractured siltstone. This area was trenched and chip samples were taken. The highest value returned was 215 ppb Au over 1.0 metres.

The sites of Equity's 1989 anomalous rock samples were examined and resampled. Only one significant sample was returned, 440 ppb Au over 1.0 metre. This sample included the "5 to 20 centimeter wide vein" which assayed 0.422 ounce per ton gold in a grab sample. (Caulfield, 1989)

Prospecting located a number of areas with malachite staining and minor chalcopyrite mineralization. The highest value returned for copper was 0.12%.

In general, gold mineralization is spatially related to syenite dykes in the volcanic-sedimentary host. The most anomalous samples are all in the bedded sequence within 50 metres of a syenite contact. The bedded rocks are highly fractured with 1-2% disseminated pyrite, minor chalcopyrite and calcite coating fracture surfaces. The calcite coating can swell to stringers

up to 5.0 cm wide with base metals and locally high gold values.

2.0 CONCLUSIONS

The Shake 1-4 claims cover a weak copper porphyry system associated with a Triassic to Jurassic syenite stock. Sporadic low gold values are associated with the porphyry system. There are no areas with gold values of economic interest in the area of Shake 1 where the bulk of the 1990 work was carried out. Detailed stream sediment sampling would indicate that there is little potential for economically interesting gold mineralization on the remainder of the property.

3.0 RECOMMENDATIONS

No further work is recommended on this property at this time.

Respectfully submitted,

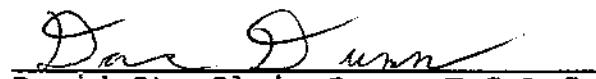

David St. Clair Dunn, F.G.A.C.

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APPENDICES

- APPENDIX A: SAMPLE RESULTS
APPENDIX B: SAMPLING METHODOLOGY
APPENDIX C: ANALYTICAL PROCEDURES

FIGURES

AFTER PAGE

- FIGURE 1: GENERAL LOCATION MAP 1
FIGURE 2: CLAIM LOCATION MAP 1
FIGURE 3: REGIONAL GEOLOGY 4
FIGURE 4&5: DETAIL (1:1,000) WEST SIDE RUGGED MTN. 4

MAPS

- MAP 1: GEOLOGY MAP IN POCKET
MAP 2: SAMPLE LOCATION MAP IN POCKET

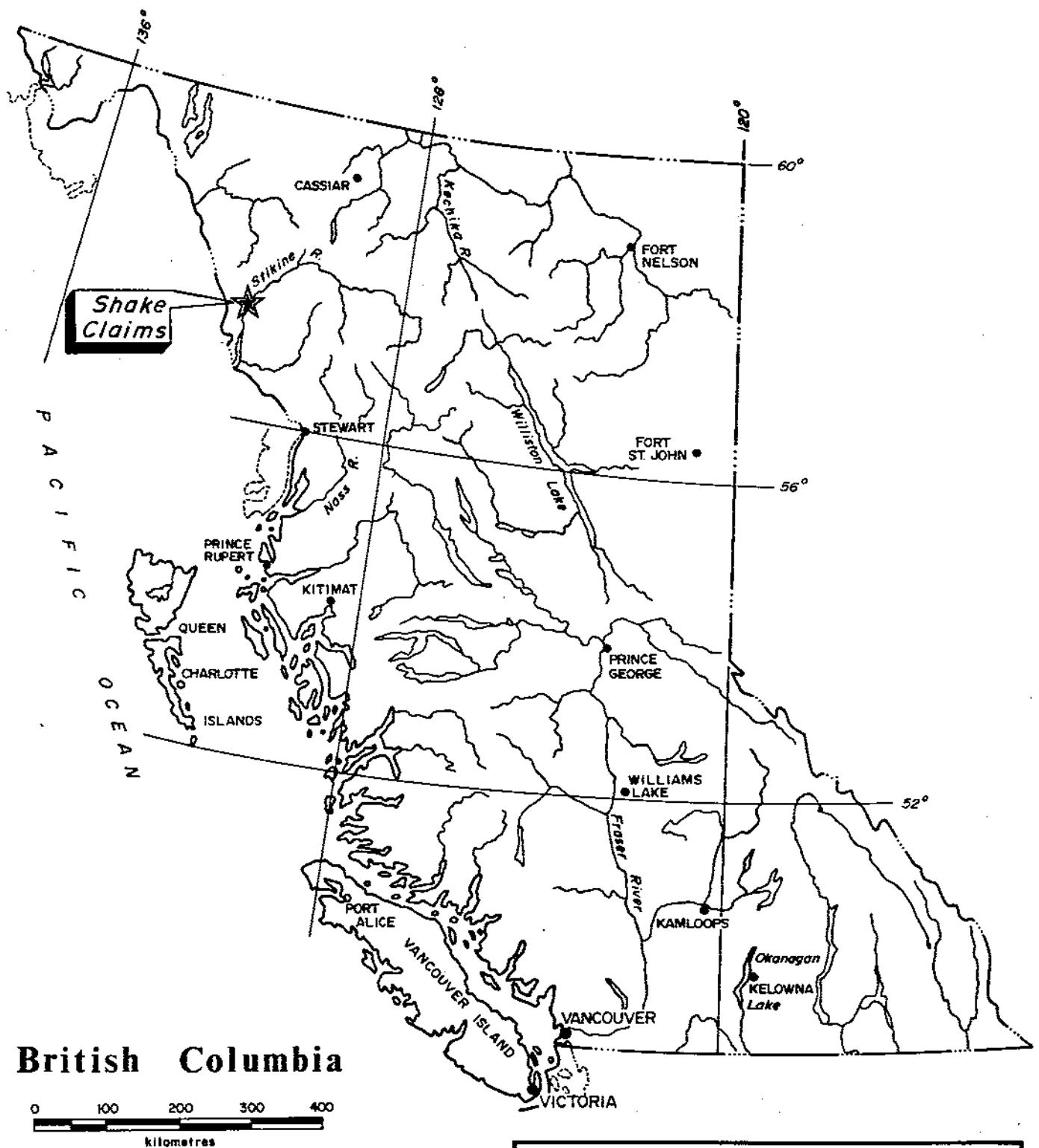


4.0 INTRODUCTION

The Shake 1-4 claims, located in northwestern B.C., cover a large gossan in Stuhini Group volcanics and sediments associated with a syenite intrusion. The project area has been extensively prospected in the past for vein-related gold mineralization and copper porphyry mineralization. The emphasis of this program was to outline any other significant gold mineralization on the property. Stream sediment sampling, lithogeochemical sampling, contour soil sampling, and geological mapping were carried out. Fourteen heavy mineral separates, 14 silt samples, 180 soil samples and 35 rock samples were taken. Three square kilometres were geologically mapped at a scale of 1:5000. The work program as described was conducted for Candela Resources Ltd., which holds an option on the Shake 1-4 claims from their owner, Continental Gold Corp. (Forster, 1988).

4.1 LOCATION AND ACCESS

The Shake 1-4 claims are located approximately 28 kilometers southwest of Telegraph Creek on Rugged Mountain, in northwest British Columbia (See Fig. 1). Access to the property was gained via helicopter from Telegraph Creek. An overgrown cat track built in the 1960's follows Shakes Creek and crosses east to west approximately 0.5 km south of the Shake claims southern boundary. This track has been cleared to 3 km from the Shake 4 eastern boundary.



British Columbia

CANDELA RESOURCES LTD.

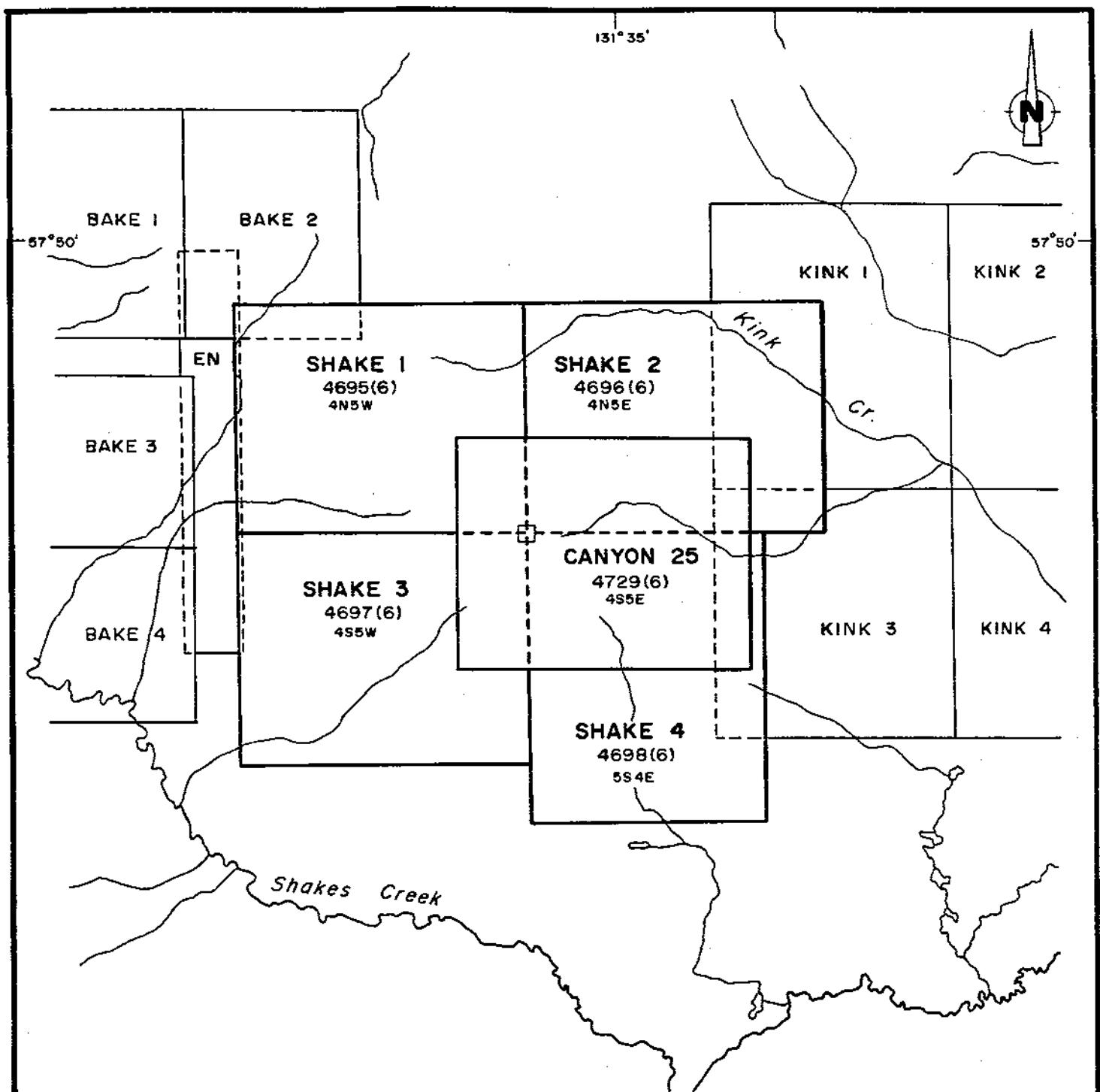
SHAKE 1-4 CLAIMS

LIARD M.D., B.C.

Location Map



SCALE: as shown	N.T.S.: 104 G/13E	FIGURE No: 1
OWN. BY:	DATE: SEPT/90	
CHKD. BY:	PROJECT No: 90 BC011	FILE NO:



131°35'
CANDELA RESOURCES LTD.
SHAKE 1-4 CLAIMS
 LIARD M.D., B.C.

Claim Location Map

0 0.5 1 2 3 Km



IN-TEC
RESOURCE MANAGEMENT LTD.

SCALE: 1: 50,000	M.T.S.: 104G/13E	FIGURE No: 2
OWN. BY: w.g.i.	DATE: SEPT/90	
CHKD. BY:	PROJECT No: 90BC01F	
	FILE No:	

4.2 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Shake claims are located on Rugged Mountain and, as the name implies, topography is rugged with elevations ranging from 635 metres to 1823 metres. Approximately 80% of the claims are above treeline and are either outcrop, talus, or alpine vegetation. A dense growth of slide alder, bracken, and devil's club cover the lower parts of the property. Minor patches of permanent snow are present on the north slope of Rugged Mountain.

The property is in the Coast Mountain rain shadow and has a mild, relatively dry climate. Exploration can be carried out from May until October.

4.3 EXPLORATION HISTORY

The area of the Shake claims has received considerable detailed prospecting beginning in the 1860's when placer gold was discovered on the Stikine River between Telegraph Creek and Glenora. At that time roads were constructed up the Chutine and Barrington River to support large placer mining operations. There can be no doubt that a gossan as prominent and accessible as the one on Rugged Mountain was examined in detail at that time. More prospecting was carried out in the area in the 1890's, 1920's, 1930's and 1940's. Copper porphyry exploration in the 1950's and 1960's led to the staking of 97 two post claims. No written records of this work are available.



The present claims were staked in 1988 by Continental Gold Corp. Continental did not carry out any exploration work that year. In 1989 Equity Engineering Ltd. carried out reconnaissance exploration on the Shake claims for Candela Resources Ltd. Geological mapping, prospecting, and stream sediment sampling were completed. One rock grab sample contained 0.422 oz/t Au from a 5-20 cm quartz-calcite vein. In general, stream sediment sampling and rock sampling outlined an area anomalous in gold on the Shake 1 claim between "Contact Creek" and "North Creek".

4.4 CLAIM STATUS

The Shake 1-4 claims are registered in the name of Continental Gold Corp. The claims are under option to Candela Resources Ltd. Claim information is summarized below.

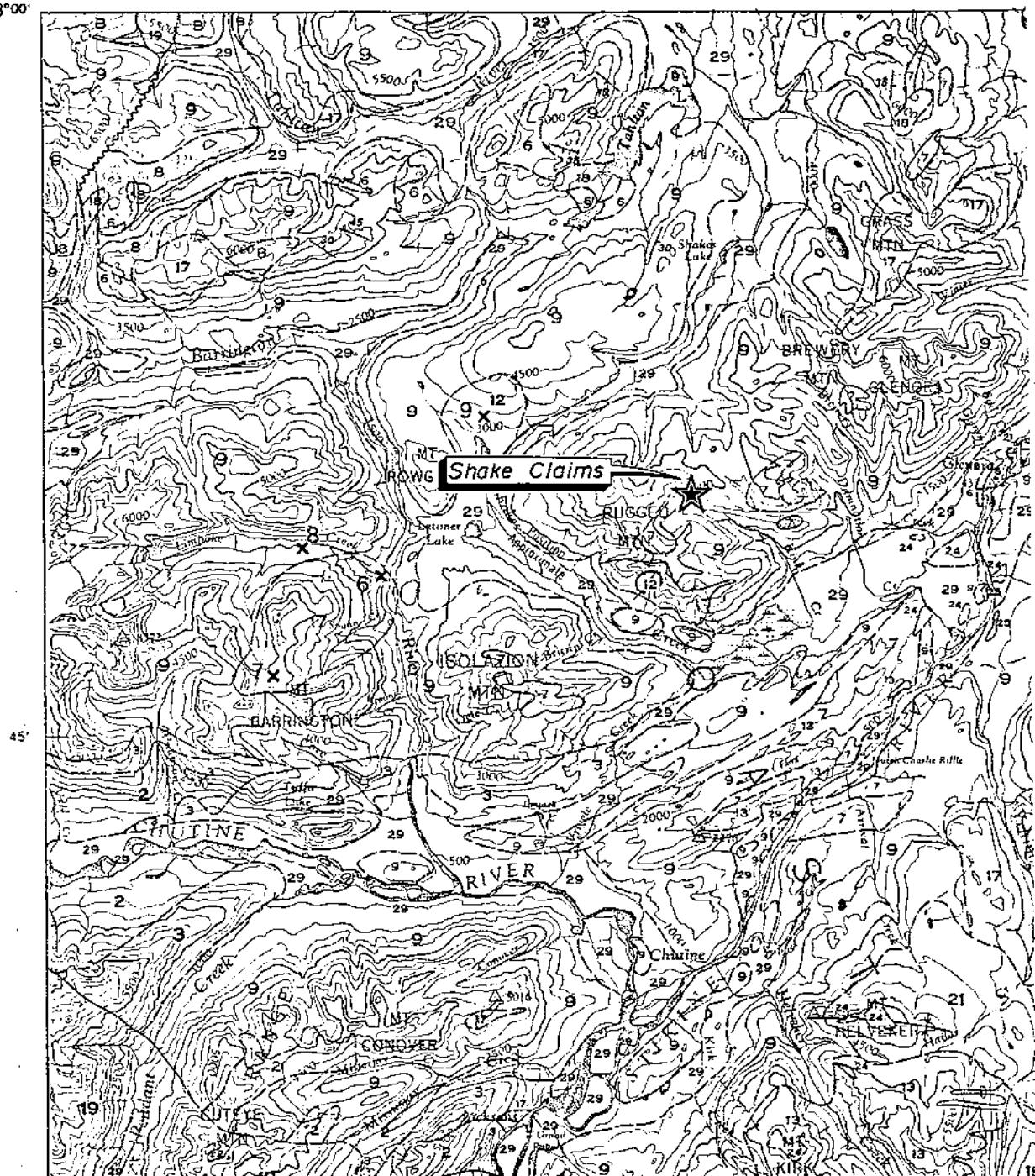
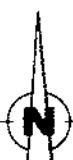
Claim name	Record	No.of units	Rec.date	Exp.date
(Pending acceptance of this report)				
Shake 1	4695	20	06/27/88	06/27/91
Shake 2	4696	20	06/27/88	06/27/91
Shake 3	4697	20	06/27/88	06/27/91
Shake 4	4698	20	06/27/88	06/27/91

Within the Shake claim block is another previously staked claim, the Canyon 25. This claim consists of 20 units and is owned by parties other than Continental or Candela (See Fig 2).

132° 00'
58° 00'

45°

30°



(SEE FOLLOWING PAGE FOR LEGEND)

CANDELA RESOURCES LTD.
SHAKE 1-4 CLAIMS
LIARD M.D., B.C.

0 5 10 20 Km

Regional Geology



Hi-TEC
RESOURCE MANAGEMENT LTD.

SCALE:	N.T.S.:	FIGURE NO.:
1:250,000	1046/13E	
OWN. BY:	DATE:	
	SEPT/90	
CHKD. BY:	PROJECT NO.:	FILE NO.:
	908C011	

3

LEGEND

CENOZOIC

QUATERNARY PLEISTOCENE AND RECENT

- [29] Fluvitidite 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 sub-volcanic intrusions; minor basalt
- [25] Basalt, olivine basalt, dacite, related pyroclastic rocks and subvolcanic intrusions; minor rhyolite; in part younger than some 26

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] Dacite leucogranite, subvolcanic stocks, dykes and sills
- [23] Porphyritic biotite andesite, lava domes, flows and (?) sills
- [21] Chert-pebble conglomerate, granite-boulder conglomerate, quartzose sandstone, arkose, siltstone, carbonaceous shale and minor coal
- [20] Pelite, 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
- [15] Basalt, pillow lava, tuff-breccia, derived volcanictastic rocks and related subvolcanic intrusions

LOWER AND MIDDLE JURASSIC

SHALE, minor siltstone, siliceous and carbonaceous siltstone, greywacke and ironstone

- [14] Conglomerate, polymictic conglomerate; granite-boulder conglomerate, grit, greywacke, siltstone; basaltic and andesitic volcanic rocks, peperites, pillow-breccia and derived volcanictastic rocks

TRIASSIC AND JURASSIC

POST-UPPER TRIASSIC PRE-LOWER JURASSIC

- [12] Syenite, orthoclase porphyry, monzonite, pyroxenite
- [10, 11] HICKMAN BATHOLITH
 - [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 6 to 8 inclusive)
- [8] Augite-andesite flows, pyroclastic rocks, derived volcanictastic rocks and related subvolcanic intrusions; minor greywacke, siltstones and polymictic conglomerate
- [7] Siltstone, thin-bedded siliceous siltstone, ribbon chert, carbonaceous and dolomitic siltstone, greywacke, volcanic conglomerate, and minor limestone
- [6] Limestone, fetid argillaceous limestone, carbonaceous shale and reeffold limestone; may be in part younger than some 7 and 8
- [5] Greywacke, siltstone, shale; minor conglomerate, tuff and volcanic sandstone
- [4] Shale, concretionary black shale; minor carbonaceous 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, ooidal limestone, ferruginous limestone; marcasite, 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)

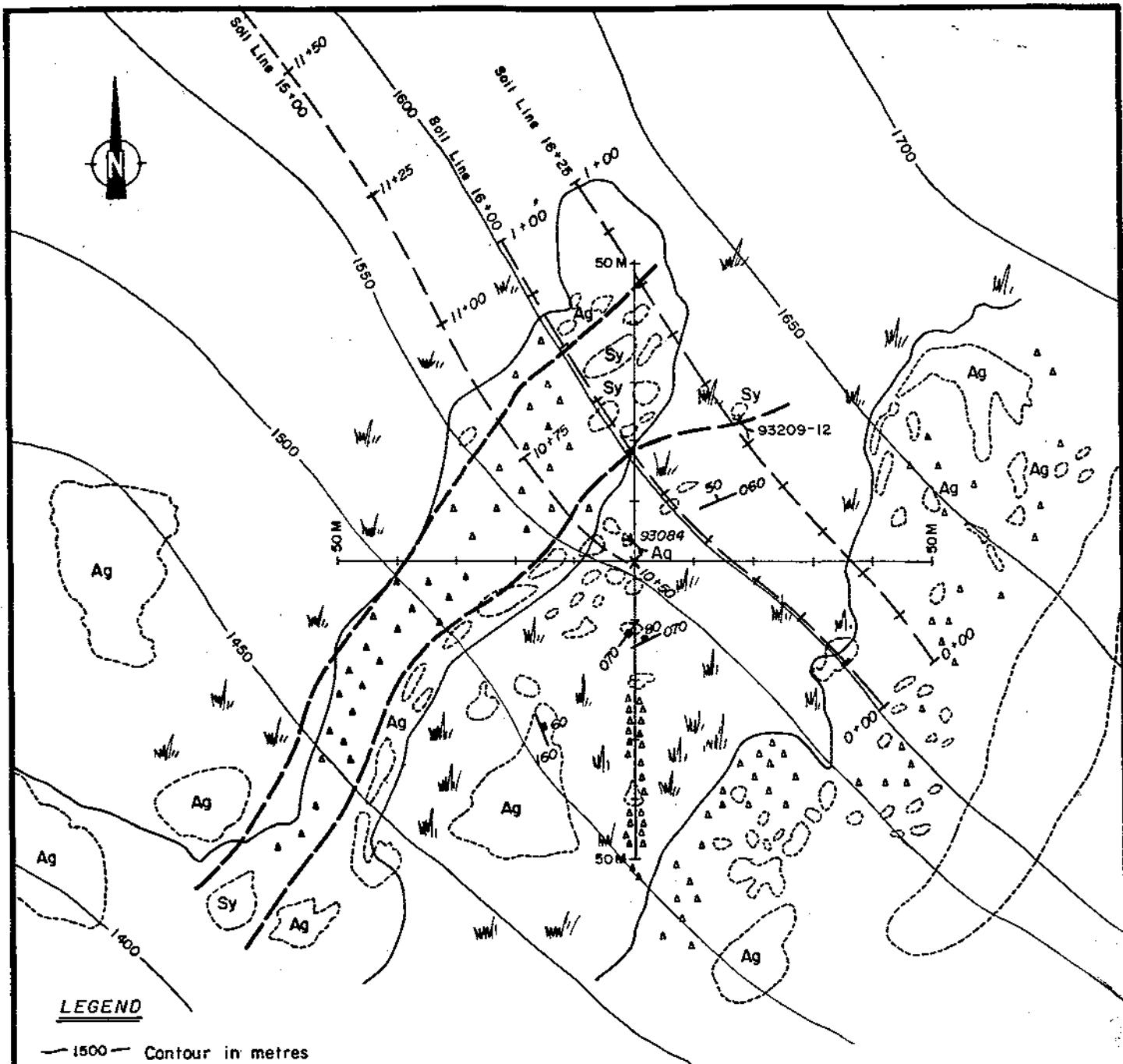
Fossil locality

Mineral property

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. Limpope	11. JW	15. Goat
4. Nabs	8. Poke	12. Copper Canyon	16. Mary



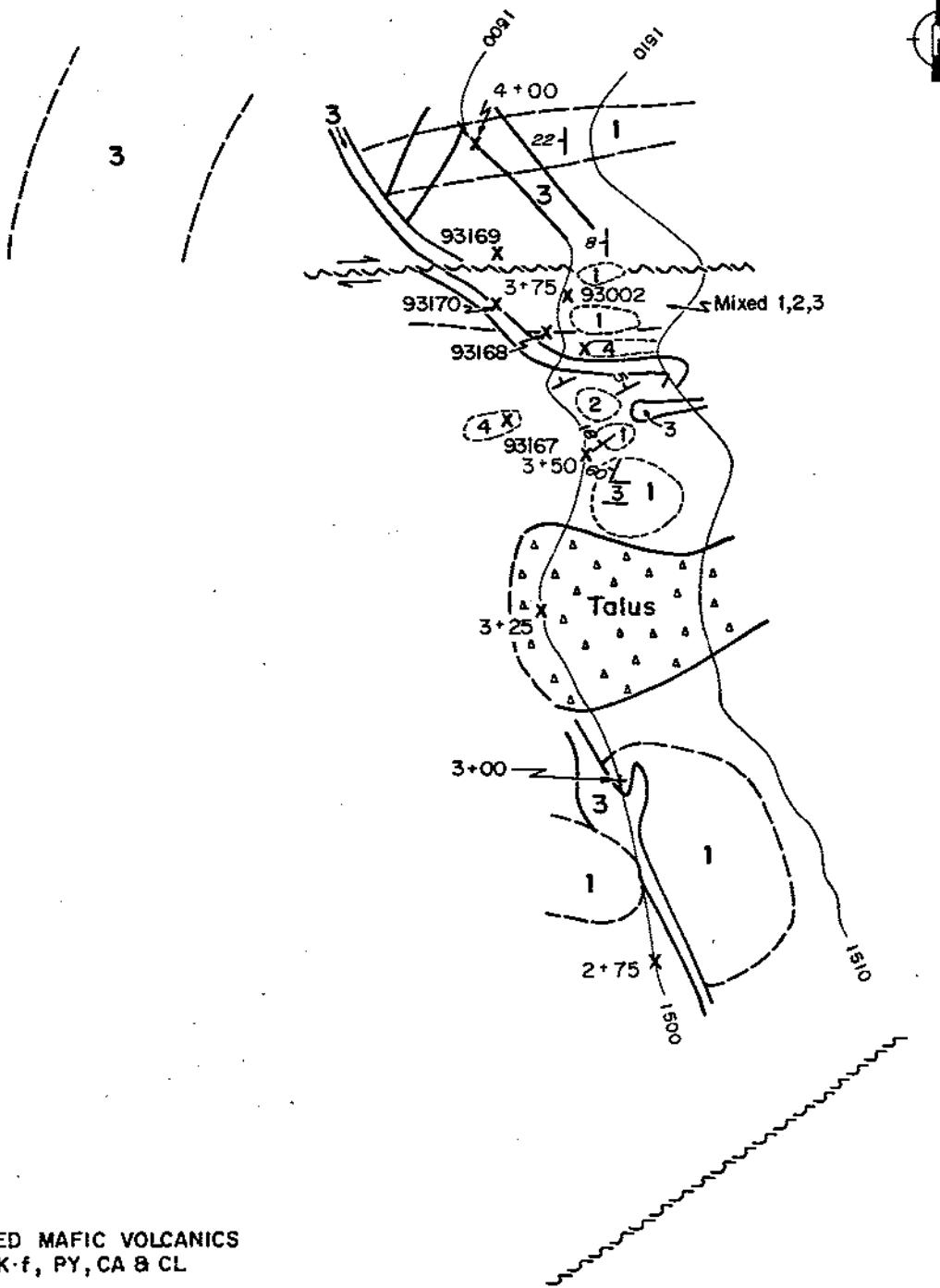
CANDELA RESOURCES LTD. SHAKE CLAIMS

Figure Covers An Area
On Line 15+00
from 9+00 to 11+50



IR-TEC
RESOURCE MANAGEMENT LTD.

SCALE:	W.T.S.:	FIGURE No.:
1 : 1000	I04G/13	
OWN. BY:	DATE:	
	Sept. 1990	4
CHK'D. BY:	PROJECT NO.:	FILE No.:
	90BC011	



LEGEND

- 1 HORNFELSED MAFIC VOLCANICS
W/MINOR K-f, PY, CA & CL
- 2 CONTACT ROCK (SAME AS ABOVE BUT
WITH MORE K-f)
- 3 ORTHOCLOASE PORPHYRY SYENITE
- 4 OXIDIZED ZONE W/ 2% PY AND MINOR CPY

0 10 20 30 40 50 Metres

CANDELA RESOURCES LTD. SHAKE CLAIMS

Figure Covers An Area
On Line 15+00
from 2+75 to 4+00



NTS
RESOURCE MANAGEMENT LTD.

SCALE: 1:1000	NTS: 104G/13	FIGURE No: 5
DWN. BY:	DATE: Sept. 1990	
CHKD. BY:	PROJECT No: 90 BC 011	FILE NO:

5.0 GEOLOGY

5.1 REGIONAL GEOLOGY

The Shake Project area is on the eastern flank of the main belt of the Coast Plutonic Complex and on the western margin of the Intermontane Belt within the Stikine Arch. The Stikine Arch consists of Permian to Middle Triassic oceanic sediments unconformably overlain by rocks equivalent to Upper Triassic Stuhini Group island arc volcanics and sediments. These volcanics and sediments have been intruded by syenitic stocks and by quartz diorite and granodiorite plutons of the Coast Plutonic Complex (Souther, 1971). Souther's mapping of map sheet 104G, where the Shake claims are located, show the Coast Range Intrusions as being post Lower Triassic age.

5.1 PROPERTY GEOLOGY AND MINERALIZATION

The Shake property is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group. These rocks have been intruded by a differentiated syenitic intrusive. The centre of this intrusion is located on the southern flank of Rugged Mountain. (See Map 1 and Fig 3).

Volcanic members of the Stuhini Group consist of dark green, mafic volcaniclastics and minor augite porphyry flows.

Overlying the volcanic rocks is a mixed sedimentary package of laminated siltstone, greywacke, argillite, and thin discontinuous limestone horizons. This package contains 1-5% diagenetic pyrite and is largely undeformed with bedding striking east-west with moderate northerly dips.

Detailed mapping at a scale of 1:1,000 was carried out in two areas of high soil geochemistry on the west side of Rugged Mountain (See Fig. 4&5). This mapping outlined a series of pink orthoclase porphyry syenite dykes cutting argillite and mafic volcanics. The bedded rocks exhibit erratic propylitic alteration with up to 2% pyrite. Minor argillic alteration is present within a few metres of the syenite dykes. The sedimentary - volcanic package is highly fractured with fracture density increasing as the syenite dykes are approached. Fractures occur approximately every 2.0 cm in proximity to the dykes with no preferred orientation. Calcite flooding coating fractures and minor chalcopyrite mineralization also occur in proximity to the syenite dykes. The highest gold value returned was in a soil sample taken on a contact between a syenite dyke and the sediments (1010 ppb Au). This area was trenched and sampled. Four 1.0 metre chip samples were taken, two parallel to the contact and two across it. One of the samples taken parallel to the contact returned a value of 215 ppb Au. Other values were negligible for precious metals.

6.0 GEOCHEMISTRY

Fourteen paired heavy mineral and silt samples were taken on most secondary drainages on the property.



Sampling methodology is described in Appendix B. Not enough samples were taken to allow for a statistical treatment of data. Anomalous levels were set for silt samples and heavy mineral samples at 30 ppb Au and 100 ppb Au, respectively, based on previous work in the area and discussions with other professionals familiar with the area. Three heavy mineral samples and two silt samples were anomalous in Au, all taken from south flowing drainages into "Contact Creek". Three contour soil lines were run at 1100m, 1300m, and 1500m elevations between "Contact Creek" and "North Creek". Soil samples were taken at approximately 20 cm depth in the "B" horizon (where available) and of talus fines, where no "B" horizon could be found. Sample interval was 25 metres. Anomalous level was set at 100 ppb Au based on economic considerations. Two 100 metre soil lines with 10 metre sample intervals were run 30 metres and 55 metres above a section of line 1500 which returned 10 sub-anomalous gold values in soils centered on one value of 190 ppb Au. Three samples from these short lines returned anomalous gold values:

S	1600	0+50N	165 ppb Au
S	1600	0+60N	770 ppb Au
S	1625	0+50N	1010 ppb Au

The first two samples were taken in deep talus directly down slope from the third sample and probably reflect down slope dispersion. The third sample was taken in poorly developed reddish brown "B" horizon. The sample was taken 5-8 cm in depth at the contact of an orthoclase porphyry syenite dyke and an oxidized siltstone. The siltstone is highly fractured with fracture surface coated with 0.5 mm to 1.0 mm of calcite. Minor pyrite was present in the siltstone.

STATEMENT OF COSTS

CANDELA RESOURCES LTD.
JOB 90BC011
SHAKE PROJECT

Salaries

Dave Dunn, Geologist, 6.00 days @ \$400/day	\$ 2,400.00
D.Bahrey, Assistant Geologist, 5.00 days @ \$300/day	1,500.00
G.Mowatt, Technician I, 7.00 days @ \$300/day	2,100.00
A.Kriberg, Technician II, 6.00 days @ \$250/day	<u>1,500.00</u>
	\$ 7,500.00

Project Expense

Project Preparation	2,202.49
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Mobilization/Demobilization	2,051.09
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Domicile 24.00 man days @ \$75/day	1,800.00
------------------------------------	----------

Geochemistry and Laboratory Service

35 Rock/Core sample analyzed for AU/AG/CU/PB/ZN/MO/AS @\$18.59/sample	650.75
14 Heavy Mineral samples analyzed for AU/AG/CU/PB/ZN/MO @\$14.00/sample	196.00
14 Silt samples analyzed for AU and 30 element by ICP @\$14.75/sample	206.50
180 Soil samples analyzed for AU/AG/CU/PB/AS @\$16.34/sample	<u>3,031.50</u>
	4,084.75

Helicopter Support

500D Helicopter 8.60 hours @\$671.46/hour	5,774.55
---	----------

Field Supplies	531.81
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Chain Saw Rental .40 month @ \$250/month	100.00
--	--------

Fixed Wing Support	228.62
--------------------	--------

Radio Rental .40 month @ \$250/month	100.00
--------------------------------------	--------

Walkie Talkie

3 units @ \$5/day/unit 10/days	105.00
--------------------------------	--------

Expediting (Vancouver, Smithers)	362.48
----------------------------------	--------

Vehicle Rental and expenses	176.92
-----------------------------	--------

Government filing (Not including filing fees)	350.00
---	--------

Accounting, Communications, and Freight	831.56
---	--------

Report Preparation, drafting and compilation	4,300.00
--	----------

15% Management Fees	<u>4,574.89</u>
---------------------	-----------------

TOTAL COSTS

Dave Dunn \$ 35,074.11

8.0 BIBLIOGRAPHY

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

9.0 STATEMENT OF QUALIFICATIONS

I, David St. Clair Dunn, with a business address of #1500-609 Granville Street, Vancouver, B.C. do hereby certify that:

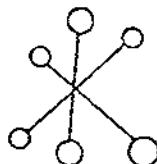
1. I am a consulting geologist registered with the Geological Association of Canada (Fellow #4943).
2. I am an Affiliate member of the Association of Exploration Geochemists.
3. I hold a B.Sc. degree (1980) in geology from the University of British Columbia.
4. I have been practising my profession as a prospector and geologist for over 20 years.
5. I personally supervised the work on Candela Resources Ltd. Shake claims.
6. I do not hold any equity interest in the Shake claims or Candela Resources Ltd.
7. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of a private or public financing.



APPENDIX A

SAMPLE RESULTS





ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 6, 1990

CERTIFICATE OF ANALYSIS ETR 90-219

=====

PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 1 ROCK sample received June 26, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.: 2

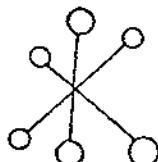
ET#	Description	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)	MO (ppm)	AS (ppm)
219 - 1	104088	.4	45	25	80	51	18

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

FAX: D. DUNN @ 235-3290
T. BITTLE PRIME EX. 687-2309

CC: VIRGINIA KURAN
HI-TEC

SC90/HI-TEC 011



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 6, 1990

CERTIFICATE OF ANALYSIS EFK 90-219

PRINCIPAL ASSAYIST: JUTTA JEALOUSE

PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ASSAYS

ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 1 ROCK sample received June 26, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.: 2

ET#	Description	AU (g/t)	AU (oz/t)
219 - 1	104088	.05	.001

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

FAX: D. DUNN @ 235-3290
T. BITTLE PRIME EX. 687-2309

CC: VIRGINIA KURAN
HI-TEC

ECO-TECH LABORATORIES LTD.

PRIME EXPLORATIONS - ETK 90-223

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

JULY 4, 1990

P.O. BOX 10, 10TH FLOOR
808 W. HASTINGS ST
VANCOUVER, B.C.
V6C 2X4

VALUES IN PPM UNLESS OTHERWISE REPORTED

ATTENTION: TERRY BITTLE

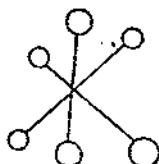
PROJECT: 90-BC-011 SNAKE
14 SELT SAMPLES RECEIVED JUNE 26, 1990

ETL	DESCRIPTION	AlN(ppb)	Ag Al(%)	As	B	BA	Bi Ca(%)	Cd	Co	Cr	Cu Fe(%)	K(%)	La Mg(%)	Mn	Mo Na(%)	Ni	P	Pb	SB	Sn	Sr Ti(%)	U	V	W	X	Zn
223 - 1	104087	15	.8 2.79	35	12	80	15 4.89	11	58	29	332 7.66	.42	30 2.99	2016	1	.11	21	5180	26	5 120	981 .40	110	638	.10	10	152
223 - 2	104090	75	1.0 2.99	30	12	60	15 2.12	11	60	49	635 7.38	.11	10 2.55	1242	6	.05	22	1910	32	5 120	239 .22	110	417	.10	7	123
223 - 3	109012	5	.4 1.81	15	12	90	15 3.64	11	36	14	204 5.67	.31	20 1.49	1231	1	.18	10	1210	12	5 120	687 .27	110	463	.10	6	91
223 - 4	104094	20	.6 3.40	20	12	65	15 2.39	11	50	54	316 6.34	.21	10 2.20	1208	11	.06	29	1740	22	5 120	322 .24	110	359	.10	8	113
223 - 5	104096	15	.4 2.94	20	12	70	15 1.34	11	31	42	101 5.66	.06	10 1.56	1416	11	.07	31	1360	14	5 120	188 .30	110	391	.10	7	115
223 - 6	104098	15	.4 2.73	15	12	65	15 2.14	11	28	36	92 4.93	.08	10 1.46	1023	11	.06	25	1550	12	5 120	178 .41	110	331	.10	6	106
223 - 7	104100	25	.6 3.00	20	12	95	15 2.19	11	47	35	142 6.30	.06	10 2.08	1609	11	.06	40	1440	16	5 120	438 .35	110	112	.10	8	123
223 - 8	104192	10	.4 1.52	20	12	20	15 4.55	11	38	18	117 6.84	.22	30 1.74	1147	11	.06	11	2410	10	5 120	469 .32	110	603	.10	8	99
223 - 9	104194	25	.4 2.05	20	12	30	15 2.43	11	35	32	243 5.04	.06	10 1.71	1113	1	.05	14	1070	12	5 120	74 .14	110	327	.10	7	39
223 - 10	104196	15	.4 2.29	10	12	45	15 2.39	11	29	40	202 5.06	.07	10 1.63	1155	11	.06	29	1370	10	5 120	192 .21	110	328	.10	5	135
223 - 11	104198	30	.2 2.43	15	12	40	15 1.11	11	25	41	87 4.52	.01	10 1.53	952	1	.06	24	1460	10	5 120	113 .27	110	309	.10	6	93
223 - 12	104200	10	.2 2.16	10	12	50	15 1.37	11	29	35	68 5.86	.05	10 1.10	1102	11	.06	28	1360	10	5 120	122 .31	110	419	.10	5	92
223 - 13	104302	10	.2 2.21	15	12	50	15 1.83	11	21	49-	81 4.06	.06	10 1.16	1162	11	.07	30	1320	10	5 120	167 .25	110	256	.10	8	129
223 - 14	104304	20	.2 2.42	15	12	50	15 1.65	11	30	51	79 5.69	.05	10 1.75	930	11	.06	36	1540	10	5 120	258 .33	110	390	.10	8	73

NOTE: L = LESS THAN

FAX: D. DUNN # 235-3290
TERRY BITTLE, PRIME EXPLORATIONS
CC: D. DUNN C/O TRANS NORTH AIR
TELEGRAPH GREEK, B.C.
SC90/HI-TEC-011

Jutta Gabuse
ECO-TECH LABORATORIES LTD.
JUTTA GABUSE
B.C. CERTIFIED ASAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy, Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 6, 1990

CERTIFICATE OF ANALYSIS ETK 90-226

Sample ID: ETK 90-BC-011 SHAKE

PRIME EXPLORATIONS LTD.
P.O. BOX 10, 10TH FLOOR
808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 14 HEAVY MINERAL samples received June 26, 1990

----- PROJECT: 90-BC-011 SHAKE

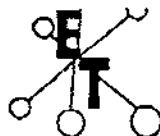
SHIPMENT NO.: 2

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)	MO (ppm)
226 - 1	104086	15	.2	195	7	65	6
226 - 2	104089	285	.9	391	11	132	9
226 - 3	104091	10	.1	151	6	64	7
226 - 4	104093	50	.8	784	19	72	10
226 - 5	104095	5	<.1	47	6	78	7
226 - 6	104097	75	<.1	79	5	77	7
226 - 7	104099	5	<.1	69	5	89	8
226 - 8	104191	145	<.1	66	5	42	9
226 - 9	104193	505	.7	251	7	69	15
226 - 10	104195	20	<.1	164	3	68	6
226 - 11	104197	10	<.1	65	4	78	8
226 - 12	104199	25	<.1	26	7	72	7
226 - 13	104301	150	<.1	37	4	66	6
226 - 14	104303	30	<.1	47	3	87	8

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

FAX: D. DUNN @ 235-3290
TERRY BITTLE - PRIME EXPLORATIONS
CC: D. DUNN C/O TRANS NORTH AIR
TELEGRAPH CREEK, B.C.
SC90/HI-TEC-011



ECO-TECH LABORATORIES LTD.

ASSAYING • ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 16, 1990

CERTIFICATE OF ANALYSIS ETK 90-267

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PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4
ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 3 ROCK samples received July 9, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.:4

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Mo (ppm)
267 -	1 93001	5	.3	664	38	41	21	41
267 -	2 93002	35	1.1	>1000	27	38	34	55
267 -	3 93003	10	<.1	514	17	82	17	84

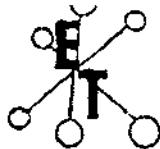
NOTE: < = less than
> = greater than

FAX: T. BITTLE @ 687-2309
D. DUNN @ 235-3290
V. KURAN @ 685-6806

cc. V. KURAN HI-TEC

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

SC90/HIGH TEC



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 673-4657

JULY 17, 1990

CERTIFICATE OF ANALYSIS ETK 90-269

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PRIME EXPLORATIONS LTD.,
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4
ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 24 ROCK samples received July 9, 1990

PROJECT: 90-BC-010 RUSH

SHIPMENT NO.: 4

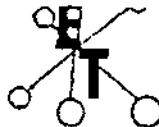
ET#		Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)
269 -	1	104136	5	.2	74	4	34	162	10
269 -	2	104137	5	<.1	48	3	121	578	11
269 -	3	104138	10	<.1	68	7	42	191	11
269 -	4	104139	10	.2	148	8	134	>1000	8
269 -	5	104140	10	<.1	30	9	114	240	3
269 -	6	104141	5	<.1	19	14	42	693	3
269 -	7	104142	5	<.1	15	9	33	918	12
269 -	8	104324	5	<.1	42	6	11	50	7
269 -	9	104328	5	<.1	3	5	3	22	7
269 -	10	104329	5	<.1	167	7	63	7	13
269 -	11	104334	10	2.2	>1000	22	100	7	2
269 -	12	104337	10	<.1	41	54	13	22	8
269 -	13	104338	5	<.1	39	6	42	20	8
269 -	14	104339	15	<.1	66	14	59	5	4
269 -	15	104340	5	<.1	67	11	81	5	13
269 -	16	104341	160	<.1	52	14	56	4	5
269 -	17	104413	5	.4	186	15	100	2	47
269 -	18	104415	5	.2	65	14	32	7	8
269 -	19	104410	10	.2	199	6	61	10	238
269 -	20	104411	180	2.8	287	10	39	27	449
269 -	21	104412	60	1.7	313	14	158	20	33
269 -	22	104414	10	<.1	249	5	85	4	12
269 -	23	104416	15	.8	98	57	338	15	68
269 -	24	104418	10	.2	>1000	8	395	6	19

NOTE: < = less than

ECO-TECH LABORATORIES LTD.

JUTTA JEALOUSE

FAX: T. BITTLE @ 687-2309 B.C. Certified Assayer
D. DUNN @ 235-3290
V. KURAN @ 685-6806cc. V. KURAN HI-TEC
SC90/HIGH TEC



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 17, 1990

CERTIFICATE OF ANALYSIS ETK 90-269

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PRIME EXPLORATIONS LTD.

10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

A S S A Y S

ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 24 ROCK samples received July 9, 1990

----- PROJECT: 90-BC-010 RUSH

SHIPMENT NO.:4

ET#	Description	MO (%)	CU (%)
269 - 4	104139	.24	
269 - 11	104334		.15
269 - 24	104418		.86

NOTE: < = less than

Jutta Jealouse
ECO-TECH LABORATORIES LTD.

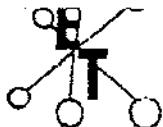
JUTTA JEALOUSE

B.C. Certified Assayer

FAX: T. BITTLE @ 687-2309
D. DUNN @ 235-3290
V. KURAN @ 685-6806

CC. V. KURAN HI-TEC

SC90/HIGH TEC010



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 873-6700 Fax 873-4657

JULY 13, 1990

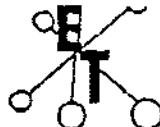
CERTIFICATE OF ANALYSIS ETK 90-270

PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4
ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 106 SOIL samples received July 9, 1990

PROJECT: 90-BC-011 SHAKE
SHIPMENT NO.: 4

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	As (ppm)
270 -	1 N 1300 0 + 00	70	.3	428	24	21
270 -	2 N 1300 0 + 25	20	.4	371	22	12
270 -	3 N 1300 0 + 50	30	.2	301	27	<1
270 -	4 N 1300 0 + 75	35	.6	261	28	17
270 -	5 N 1300 1 + 00	25	.1	291	18	7
270 -	6 N 1300 1 + 25	55	.3	529	15	15
270 -	7 N 1300 1 + 75	70	2.2	2720	13	13
270 -	8 N 1300 2 + 00	30	.2	425	9	14
270 -	9 N 1300 2 + 25	60	.3	311	10	11
270 -	10 N 1300 2 + 50	175	1.6	400	28	40
270 -	11 N 1300 2 + 75	90	.9	535	19	23
270 -	12 N 1300 3 + 00	30	.6	470	9	10
270 -	13 N 1300 3 + 25	30	.3	497	13	9
270 -	14 N 1300 3 + 50	35	.4	211	17	18
270 -	15 N 1300 3 + 75	40	.2	183	19	17
270 -	16 N 1300 4 + 00	60	.3	299	17	11
270 -	17 N 1300 4 + 25	70	.9	874	21	18
270 -	18 N 1300 4 + 50	70	.7	429	20	15
270 -	19 N 1300 4 + 75	125	.9	1270	19	23
270 -	20 N 1300 5 + 00	75	.7	642	18	18
270 -	21 N 1300 5 + 25	50	.6	334	12	11
270 -	22 N 1300 5 + 50	90	1.0	530	15	11
270 -	23 N 1300 5 + 75	30	.4	268	18	20
270 -	24 N 1300 6 + 00	15	.2	180	14	12
270 -	25 N 1300 6 + 25	35	.4	179	16	17
270 -	26 N 1300 6 + 50	15	.2	142	13	13
270 -	27 N 1300 6 + 75	30	.3	218	15	12
270 -	28 N 1300 7 + 00	45	.4	236	14	16
270 -	29 N 1300 7 + 25	60	.2	145	18	9
270 -	30 N 1300 7 + 50	20	.3	283	15	5
270 -	31 N 1300 7 + 75	20	.3	128	16	13



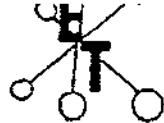
ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 873-5700 Fax 873-4557

PRIME EXPLORATIONS LTD.

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	As (ppm)
270 - 32	N 1300 8 + 00	30	.2	168	13	13
270 - 33	N 1300 8 + 25	25	.1	199	15	12
270 - 34	N 1300 8 + 50	80	.8	412	16	19
270 - 35	N 1300 8 + 75	70	.7	482	15	28
270 - 36	N 1300 9 + 00	35	.6	434	17	14
270 - 37	N 1300 9 + 25	5	.2	169	14	8
270 - 38	N 1300 9 + 50	40	.3	244	18	13
270 - 39	N 1300 9 + 75	40	.4	361	11	38
270 - 40	N 1300 10 + 00	60	.3	549	9	13
270 - 41	N 1300 10 + 25	60	.1	285	7	3
270 - 42	N 1300 10 + 50	190 *	.2	486	13	15
270 - 43	N 1300 10 + 75	30	.2	485	14	14
270 - 44	N 1300 11 + 00	40	1.0	370	20	16
270 - 45	N 1300 11 + 25	40	.2	489	16	16
270 - 46	N 1300 11 + 50	40	.4	494	26	16
270 - 47	N 1300 11 + 75	35	.1	173	14	15
270 - 48	N 1300 12 + 00	55	.5	932	57	34
270 - 49	S 15 0 + 25N	5	.1	59	8	14
270 - 50	S 15 0 + 50N	15	.9	1300	117	31
270 - 51	S 15 0 + 75N	95	.3	400	19	30
270 - 52	S 15 1 + 00N	30	1.1	2235	87	62
270 - 53	S 15 1 + 25N	30	1.4	2595	32	35
270 - 54	S 15 1 + 50N	40	.3	839	37	21
270 - 55	S 15 1 + 75N	70	.5	793	44	52
270 - 56	S 15 2 + 00N	10	.4	146	15	6
270 - 57	S 15 2 + 25N	35	.6	1817	32	38
270 - 58	S 15 2 + 50N	40	1.2	1369	20	28
270 - 59	S 15 2 + 75N	50	.8	590	21	7
270 - 60	S 15 3 + 00N	300	1.3	1524	18	51
270 - 61	S 15 3 + 25N	85	1.0	1758	27	16
270 - 62	S 15 3 + 50N	50	.4	713	22	15
270 - 63	S 15 3 + 75N	95	.6	862	21	21
270 - 64	S 15 4 + 25N	25	.4	1764	17	25
270 - 65	S 15 4 + 50N	70	.3	747	20	33
270 - 66	S 15 4 + 75N	25	.1	428	16	7
270 - 67	S 15 5 + 00N	15	.1	427	6	7
270 - 68	S 15 5 + 25N	25	.1	560	24	10
270 - 69	S 15 5 + 50N	55	.6	757	44	20
270 - 70	S 15 5 + 75N	35	1.1	2525	26	30
270 - 71	S 15 6 + 00N	20	.5	1138	17	16
270 - 72	S 15 6 + 25N	15	2.1	1816	19	35
270 - 73	S 15 6 + 50N	45	.5	722	21	29
270 - 74	S 15 6 + 75N	50	.6	2109	13	26
270 - 75	S 15 7 + 00N	45	.5	493	23	20
270 - 76	S 15 7 + 25N	40	.4	357	49	24



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2G 2J3 (604) 573-5700 Fax 573-4867

ET#	Description					Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	As (ppm)
270 - 77	S 15	7 +	50N			10	.8	730	21	31
270 - 78	S 15	7 +	75N			10	.2	519	16	17
270 - 79	S 15	8 +	25N			230	.6	272	12	86
270 - 80	S 15	8 +	50N			5	.3	292	11	9
270 - 81	S 15	8 +	75N			85	.2	288	17	17
270 - 82	S 15	9 +	00N			30	.1	145	10	17
270 - 83	S 15	10 +	50N			15	.4	276	10	30
270 - 84	S 15	10 +	75N			190	.1	154	43	64
270 - 85	S 15	11 +	00N			5	.3	120	12	26
270 - 86	S 15	11 +	25N			10	.3	119	9	30
270 - 87	S 15	11 +	50N			5	.4	121	12	30
270 - 88	S 15	11 +	75N			5	.4	112	10	4
270 - 89	S 15	12 +	00N			5	.3	155	21	14
270 - 90	S 15	12 +	25N			5	.6	137	12	12
270 - 91	S 15	12 +	50N			5	.3	96	4	6
270 - 92	S 15	12 +	75N			5	.1	129	12	18
270 - 93	S 15	13 +	00N			5	.2	133	8	8
270 - 94	S 15	13 +	25N			5	.1	110	10	6
270 - 95	S 15	14 +	50N			30	.1	192	9	20
270 - 96	S 15	14 +	75N			10	.2	199	12	36
270 - 97	S 15	15 +	00N			5	.3	389	14	44
270 - 98	S 15	15 +	25N			10	.1	159	11	6
270 - 99	S 15	15 +	50N			10	.1	201	11	18
270 - 100	S 15	15 +	75N			5	.2	178	12	6
270 - 101	S 15	16 +	25N			30	.2	365	10	10
270 - 102	S 15	16 +	50N			5	.2	217	13	4
270 - 103	S 15	16 +	75N			10	.6	428	16	4
270 - 104	S 15	17 +	00N			15	.3	445	10	20
270 - 105	S 15	17 +	25N			280	4.2	3619	1258	58
270 - 106	S 15	17 +	75N			20	.1	804	13	10

NOTE: > = GREATER THAN
< = LESS THAN
* = - 42 MESH

FAX: T. BITTLE @ 687-2309
D. DUNN @ 235-3290
V. KURAN @ 685~6806

CC. V. KURAN HI-TEC

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-6700 Fax 573-4667

JULY 13, 1990

CERTIFICATE OF ANALYSIS ETK 90-271

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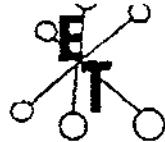
PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4
ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 53 SOIL samples received July 9, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.:4

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	As (ppm)
271 -	1 S11 0 +00 N	85	.2	215	21	17
271 -	2 S11 0 +25 N	30	<.1	242	16	15
271 -	3 S11 0 +50 N	45	<.1	315	10	21
271 -	4 S11 0 +75 N	50	<.1	345	23	16
271 -	5 S11 1 +00 N	45	<.1	410	18	14
271 -	6 S11 1 +25 N	60	<.1	542	13	17
271 -	7 S11 1 +50 N	10	<.1	349	11	12
271 -	8 S11 1 +75 N	25	.2	478	10	10
271 -	9 S11 2 +00 N	30	.2	408	15	8
271 -	10 S11 2 +25 N	20	<.1	421	17	10
271 -	11 S11 2 +50 N	90	.5	671	18	11
271 -	12 S11 2 +75 N	30	<.1	478	15	9
271 -	13 S11 3 +00 N	80	.3	479	21	8
271 -	14 S11 3 +25 N	20	<.1	362	15	13
271 -	15 S11 3 +50 N	55	.6	976	17	16
271 -	16 S11 3 +75 N	50	<.1	497	16	19
271 -	17 S11 4 +00 N	30	.2	817	22	22
271 -	18 S11 4 +25 N	35	.4	708	16	20
271 -	19 S11 4 +50 N	25	<.1	604	14	17
271 -	20 S11 4 +75 N	20	<.1	480	16	16
271 -	21 S11 5 +00 N	90	<.1	437	25	28
271 -	22 S11 5 +25 N	30	.2	462	20	17
271 -	23 S11 6 +00 N	20	<.1	475	16	13
271 -	24 S11 6 +25 N	10	<.1	372	12	10
271 -	25 S11 6 +50 N	10	<.1	585	15	11
271 -	26 S11 6 +75 N	30	<.1	999	17	12
271 -	27 S11 7 +00 N	35	<.1	844	16	10
271 -	28 S11 7 +25 N	10	<.1	196	12	9
271 -	29 S11 7 +50 N	20	<.1	220	13	11
271 -	30 S11 7 +75 N	15	.2	166	9	8



ECO-TECH LABORATORIES LTD.

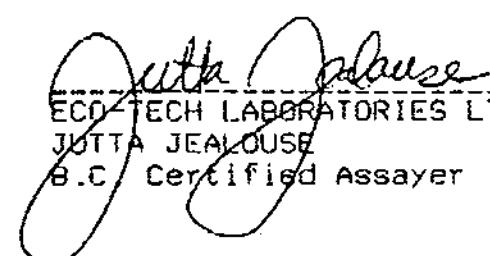
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4667

PRIME EXPLORATIONS LTD.

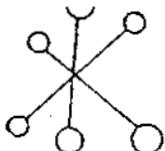
ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	As (ppm)
271 -	31 S11 8 +00 N	20	<.1	137	12	9
271 -	32 S11 8 +25 N	70	<.1	152	14	8
271 -	33 S11 8 +50 N	30	<.1	166	12	9
271 -	34 S11 8 +75 N	15	<.1	131	11	8
271 -	35 S11 9 +00 N	25 *	<.1	132	9	7
271 -	36 S11 9 +25 N	15	<.1	154	11	6
271 -	37 S11 9 +50 N	10	<.1	277	9	8
271 -	38 S11 9 +75 N	15	.2	84	15	7
271 -	39 S11 10 +00 N	65	<.1	158	13	12
271 -	40 S11 10 +25 N	5	<.1	169	25	11
271 -	41 S11 10 +50 N	15	<.1	141	15	8
271 -	42 S11 10 +75 N	10	<.1	222	12	7
271 -	43 S11 11 +00 N	5	<.1	89	17	6
271 -	44 S11 11 +25 N	10	<.1	126	18	7
271 -	45 S11 11 +50 N	10	<.1	131	14	8
271 -	46 S11 11 +75 N	10	<.1	100	11	/
271 -	47 S11 12 +00 N	5	<.1	101	15	8
271 -	48 S11 12 +25 N	15	<.1	255	10	10
271 -	49 S11 12 +50 N	25	<.1	109	13	9
271 -	50 S11 12 +75 N	15	<.1	167	14	10
271 -	51 S11 13 +00 N	20	<.1	272	7	20
271 -	52 S11 13 +25 N	70	<.1	647	12	16
271 -	53 S11 13 +50 N	40	<.1	498	11	14

NOTE: < = less than
* = - 42 MeshFAX: T. BITTLE @ 687-2309
D. DUNN @ 235-3290
V. KURAN @ 685-6806

cc. V. KURAN HI-TEC


ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

SC90/HIGH TEC



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 23, 1990

CERTIFICATE OF ANALYSIS ETK 90-307

PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: TERRY BITTLE

SAMPLE IDENTIFICATION: 6 ROCK samples received July 16, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.: 5

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
307 -	1 104419	440	1.7	102	16	47
307 -	2 104420	70	.5	216	13	33
307 -	3 104421	20	.2	186	12	45
307 -	4 104422	50	.1	124	11	29
307 -	5 104423	45	.1	112	14	39
307 -	6 104424	35	.2	76	13	51

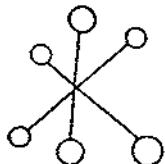
Jutta Jealouse
ECO-TECH LABORATORIES LTD.

JUTTA JEALOUSE
B.C. Certified Assayer

FAX: D. DUNN @ 235-3290
T. BITTLE PRIME EX. 687-2309

cc. VIRGINIA KURAN
HI-TEC

SC90/HI-TEC 011



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

III. 17. 23. 1990

CERTIFICATE OF ANALYSIS ETR 90-319

PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: JIM FOSTER

SAMPLE IDENTIFICATION: 5 ROCK samples received July 16, 1990

PROJECT: 90-BC-011 SHAKE
SHIPMENT NO.: 5

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
319 - 1	104345	60	13.0	40	500	29
319 - 2	104346	15	0.1	78	107	8
319 - 3	104347	20	0.1	52	56	22
319 - 4	104348	30	0.2	41	767	10
319 - 5	104349	10	0.1	40	100	9

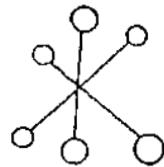
NOTE: < = less than

~~ECO-TECH LABORATORIES LTD.~~
~~SUTTA-JEALOUSE~~
B.C. Certified Assayer

FAX: J. FUSTER @ 687-2303

CC. V. KURAN HI-TEC

SC90/HIGH TEC



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 1, 1990

CERTIFICATE OF ANALYSIS ETK 90-360

ANALYSES ARE BASED ON A 100% METAL BASIS UNLESS OTHERWISE STATED

PRIEST EXPLORATIONS LTD.
P.O. BOX 10, 10TH FLOOR
808 WEST HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: JIM FOSTER

SAMPLE IDENTIFICATION: 21 SOTL samples received JULY 25, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.: 6

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
360 - 1	S 1600 0 + 10 N	65 *	<.1	519	14	152
360 - 2	S 1600 0 + 20 N	80	1.1	2900	29	100
360 - 3	S 1600 0 + 30 N	35	<.1	281	16	140
360 - 4	S 1600 0 + 40 N	95	.3	412	17	132
360 - 5	S 1600 0 + 50 N	165 *	.2	289	35	79
360 - 6	S 1600 0 + 60 N	770 *	.4	39	43	299
360 - 7	S 1600 0 + 70 N	20	.2	122	15	144
360 - 8	S 1600 0 + 80 N	15	<.1	153	19	187
360 - 9	S 1600 0 + 90 N	40	.4	162	14	127
360 - 10	S 1600 1 + 00	10	.2	157	13	125
360 - 11	S16 + 25 0 + 00	5	<.1	288	19	358
360 - 12	S16 + 25 0 + 10 N	15	<.1	202	16	158
360 - 13	S16 + 25 0 + 20 N	5	<.1	129	15	143
360 - 14	S16 + 25 0 + 30 N	5	<.1	149	18	137
360 - 15	S16 + 25 0 + 40 N	5	<.1	188	19	111
360 - 16	S16 + 25 0 + 50 N	1010	1.0	324	52	183
360 - 17	S16 + 25 0 + 60 N	5	<.1	140	15	112
360 - 18	S16 + 25 0 + 70 N	5	<.1	148	18	116
360 - 19	S16 + 25 0 + 80 N	5	<.1	216	13	58
360 - 20	S16 + 25 0 + 90 N	5	<.1	141	11	191
360 - 21	S16 + 25 1 + 00 N	5	<.1	167	16	79

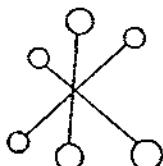
NOTE: * = >40 MESH

ECO-TECH LABORATORIES LTD.
RITA MCALDUSE
B.C. Certified Assayer

FAX: J. FOSTER 1 604 573-2302

E-mail: MCFURAN@PC-1.PC

Sample Releas Date: 08/01



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 1, 1990

CERTIFICATE OF ANALYSIS ETK 90-361

PRIME EXPLORATIONS LTD.
P.O. BOX 10, 10TH FLOOR
808 WEST HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: JIM FOSTER

SAMPLE IDENTIFICATION: 16 ROCK samples received JULY 25, 1990

PROJECT: 90-BC-011 SHAKE

SHIPMENT NO.: 6

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
361 - 1	93084	5	<.1	115	6	17
361 - 2	93085	5	<.1	138	7	70
361 - 3	93086	5	<.1	93	8	54
361 - 4	93087	40	.7	548	13	64
361 - 5	93088	5	.5	336	19	75
361 - 6	93089	5	<.1	112	9	64
361 - 7	93090	.5	<.1	316	10	91
361 - 8	93091	10	<.1	287	14	79
361 - 9	93092	5	<.1	203	11	64
361 - 10	93093	20	<.1	297	8	69
361 - 11	93094	55	.2	56	12	35
361 - 12	93095	5	<.1	444	19	79
361 - 13	93096	5	<.1	427	14	92
361 - 14	93164	10	<.1	73	9	50
361 - 15	93165	5	.2	180	14	32
361 - 16	93166	5	<.1	67	10	37

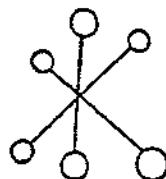
Jutta Jealous

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

FAX: J. FOSTER 1-604-5700

cc: V. KURAN HI-TEC

SC90/HIGH TEC-011



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 31, 1990

CERTIFICATE OF ANALYSIS ETK 90-481

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PRIME EXPLORATIONS LTD.
10TH FLOOR, 808 W. HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: JIM FOSTER

SAMPLE IDENTIFICATION: 4 ROCK samples received AUGUST 23, 1990
----- PROJECT: 90-BC-011 SHAKE

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
481 -	1 93209	35	.3	95	6	113
481 -	2 93210	215	.1	142	3	88
481 -	3 93211	90	.1	55	14	67
481 -	4 93212	20	.1	40	10	62

FAX: JIM FOSTER
1-687-2309

SC90/HI-TEC-011

Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

APPENDIX B

SAMPLING METHODOLOGY

SAMPLING METHODOLOGY

A. STREAM SEDIMENTS

Silt Samples

Approximately 0.5 kg of silt was collected from the active stream channel, placed in a standard gusseted kraft bag and shipped to Eco-Tech Laboratories in Kamloops. These samples were then dried and sieved to -80 mesh. A ten gram split of the sample was analyzed for gold by fire assay with atomic absorption finish. A one gram split of the remainder of the sample was analyzed for 30 elements using Aqua Regia extraction and ICP.

Pan Concentrate samples

A sample of between 5 gm and 30 gm was panned in the field from two pans of -1.4 cm gravel and one pan of moss. The panned material was placed in 6 mil plastic bags and shipped to Eco-Tech Laboratories Ltd. in Kamloops. A one gram split of this material was analyzed for silver, lead, copper and zinc using wet extraction and atomic absorption. The remainder of the sample was analyzed for gold using fire assay and atomic absorption finish.

B. LITHOGEOCHEMICAL SAMPLING

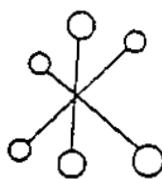
Approximately 2 kg of rock was collected and placed in 6 mil plastic bags and shipped to Eco-Tech Laboratories in Kamloops. This material was crushed and pulverized to -140 mesh and a 1 assay ton split taken. The split was analyzed for gold using fire assay and atomic absorption finish. Another 10 gm split was analyzed for copper, lead, zinc and silver using wet extraction and atomic absorption finish.

C. SOIL SAMPLES

Approximately 0.5 kg of "B" horizon soil, where available, or talus fines where not, was placed in standard gusseted kraft bag and shipped to Echo Tech Laboratories in Kamloops. This material was dried and sieved to -80 mesh. A 14 gram sample was analyzed for gold using fire assay and atomic absorption finished. Another one gram split was analyzed for 30 elements using Aqua Regia extraction and ICP.

APPENDIX C

ANALYTICAL PROCEDURES



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh nylon sieves.
2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.
3. Heavy Mineral Separation: Samples are screened to -20 mesh, washed and separated in Tetrabromothane. (SG 2.86)

METHODS OF ANALYSIS

All methods have either certified or in-house standards carried through entire procedure to ensure validity of results.

1. Multi-Element Cd, Cr, Co, Cu, Fe (acid soluble), Pb, Mn, Ni, Ag, Zn, Mo

<u>Digestion</u>	<u>Finish</u>
Hot aqua-regia	Atomic Absorption, background correction applied where appropriate

A) Multi-Element ICP

<u>Digestion</u>	<u>Finish</u>
Hot aqua-regia	ICP

2. Antimony

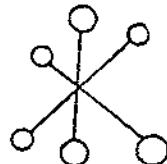
<u>Digestion</u>	<u>Finish</u>
Hot aqua regia	Hydride generation - A.A.S.

3. Arsenic

<u>Digestion</u>	<u>Finish</u>
Hot aqua regia	Hydride generation - A.A.S.

4. Barium

<u>Digestion</u>	<u>Finish</u>
Lithium Metaborate Fusion	I.C.P.



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

13. Tin

Digestion

Ammonium Iodide Fusion

Finish

Hydride generation - A.A.S.

14. Tungsten

Digestion

Potassium Bisulphate Fusion Colorimetric or I.C.P.

Finish

15. Gold

Digestion

Fire Assay Preconcentration
followed by Aqua Regia

Finish

Atomic Absorption

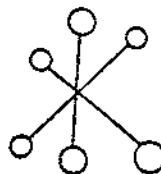
16. Platinum, Palladium, Rhodium

Digestion

Fire Assay Preconcentration
followed by Aqua Regia

Finish

Graphite Furnace - A.A.S.



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

5. Beryllium

<u>Digestion</u>	<u>Finish</u>
Hot aqua regia	Atomic Absorption

6. Bismuth

<u>Digestion</u>	<u>Finish</u>
Hot aqua regia	Atomic Absorption

7. Chromium

<u>Digestion</u>	<u>Finish</u>
Sodium Peroxide Fusion	Atomic Absorption

8. Fluorine

<u>Digestion</u>	<u>Finish</u>
Lithium Metaborate Fusion	Ion Selective Electrode

9. Mercury

<u>Digestion</u>	<u>Finish</u>
Hot aqua regia	Cold vapor generation - A.A.S.

10. Phosphorus


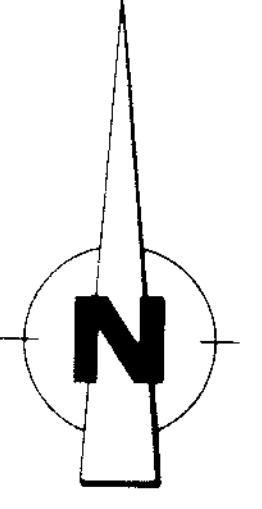
<u>Digestion</u>	<u>Finish</u>
Lithium Metaborate Fusion	I.C.P. finish

11. Selenium

<u>Digestion</u>	<u>Finish</u>
Hot aqua regia	Hydride generation - A.A.S.

12. Tellurium

<u>Digestion</u>	<u>Finish</u>
Hot aqua regia Potassium Bisulphate Fusion	Hydride generation - A.A.S. Colorimetric or I.C.P.



SYMBOLS

- Water course
- Contour (100m interval)
- Geological contact, (defined, assumed)
- Bedding
- Mineral occurrence (mineralogy, attitude, width-cm)
- Jointed; Vertical
- Fault/shear zone

GEOLOGY (Legend after Souther, 1971)

Intrusive Units

Upper Triassic to Lower Jurassic

- I2a: Syenite
- I2b: Orthocarbonate porphyry
- I2c: Pyroxenite border phase

Volcanic and Sedimentary Units

Upper Triassic

- Ba: Mafic volcanoclastics, andesite flows
- Bb: Minor greywacke siltstone
- Bc: Polymictic conglomerate
- 7: Interbedded siltstone, greywacke, chert, argillite, minor limestone

Mineralization

- | | |
|------------------|------------------------|
| Ar: Arsenopyrite | Kf: Potassium Feldspar |
| Bi: Biotite | Mo: Molychite |
| Ca: Calcite | Mg: Magnetite |
| Cl: Chlorite | Mo: Molybdenite |
| Cp: Chalcopyrite | Py: Pyrite |
| Gn: Galena | Qz: Quartz |
| Ka: Kaolinite | Li: Limonite |

0 50 100 200 300 400 500 metres

CANDELA RESOURCES LTD.

SHAKE 1 - 4 CLAIMS

LIARD M.D., B.C.

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,414

GEOLOGY

HITEC RESOURCE MANAGEMENT LTD.	SCALE: 1:5000	N.T.S.: 104 G/13	MAP NO: 1
DWN BY: Sept 1990	DATE: Sept 1990	CHKD BY: 90 BC 011	FILE NO: 1