LOG NO: 1213 RD.
ACTION:
FILE NO:

EL CENTRO PROJECT
REPORT ON THE GEOCHEMICAL PROGRAMME
ON THE
EL CENTRO I-III CLAIMS
ATLIN MINING DIVISION

NTS 104 N/12E

59 34.5′ NORTH LATITUDE
133 40′ WEST LONGITUDE

UTM: 576500m.E 6605500m.N

Owner:

John William Richard Smith
Atlin, B.C.

Operator:

International Membership Marketing Inc.
c/o 601-1350 View Crescent, Delta, B.C.

Author:

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V7Y 1G5.

04 December, 1990.

1.0 SUMMARY

A brief programme of reconnaissance soil sampling was conducted on the El Centro I-III claims by a two person crew from 05 September to 06 September, 1990. The intent of this program was to investigate potential anomalies associated with mineralization along a contact between a Permian listwanite assemblage and an Upper Paleozoic andesite.

The El Centro I-III claims completely surround a known showing of such mineralization called the "Pictou Property" (Mining Lease M32), which has thin quartz-pyrargyrite-tetrahedrite veins within the listwanite that contain up to 1.96 opt (60 g/T) Au and 14.7 opt (450 g/T) Ag (McIvor, 1989).

The Atlin Camp has been an active area of exploration -especially for placer gold- since the turn of the century. Anomalous gold and silver mineralization as mentioned above has been recognized on the Pictou property since 1931. Results from subsequent work prompted the staking of the El Centro I-III claims in 1989. The grid established for this program was put in adjacent to but outside of the Pictou Mining Lease.

Of the 102 soil samples taken in 1990, twenty-two were anomalous in Au (> 10 ppb) and none were anomalous in Ag (highest value, 0.3 ppm, average value, 0.15 ppm). One rock sample was taken of quartz-carbonate-mariposite (listwanite) assemblage but it was not anomalous in Au or Ag.

2.0 CONCLUSIONS

The 1990 soil sampling programme did not indicate any anomalous trends with respect to Au or Ag. The several anomalous Au values in these samples are possibly due to placer concentration, since all the samples were taken from fluvial/floodplain sediments in a well-known placer camp.

However, the principal target is vein-hosted Au/Ag mineralization associated with hydrothermal alteration along a geologic contact and since this soil survey was planned to cross that contact, these anomalies should be investigated in the next phase of exploration.

The single rock sample, although not anomalous, is significant in that it indicates the listwanite assemblage is found on the El Centro claims in areas other than the Pictou property. This suggests that there is potential for the existence of a contact between the listwanite and any underlying andesites. This potential has also been suggested by previous work, which indicates that Pine Creek (which crosses the El Centro claims) is a major fault trend and a likely conduit for hydrothermal activity (Ronning, 1987).

3.0 RECOMMENDATIONS

Detailed geologic mapping should be conducted over the entire El Centro claim block. Although outcrop exposure is sporadic, the access is excellent throughout the claim block. The area from the Pictou Mining Lease, northeast along the Pine Creek valley, to the eastern boundary of the El Centro II claim should be the principal focus of any such mapping programme. Also, as part of this mapping, any old trenches or other workings should be carefully examined and possibly enlarged. The single rock sample taken in 1990 was from an old trench and it provided a valuable clue for these recommendations.

The goal of the mapping/trenching programme is two-fold:

(i) Outline the trend of the hydrothermally altered contact zone between the andesites and listwanites.

(ii) Determine the extent of quartz (-carbonate) veining and/or stockwork within the altered contact zone. Extensive previous work throughout the Atlin Camp has determined that the veins carry anomalous precious metals concentrations, not the hydrothermally altered host rocks.

Further soil sampling is not recommended, for reasons stated in the preceding "Conclusions" section. Further geophysical surveys are of low priority, because there have already been several geophysical programmes in the area and they have had limited success in outlining any potential mineralization..

Contingent on the mapping and trenching, a diamond drilling programme may be warranted.

Also, an effort should be made to find out more about the history of all the Crown Granted claims currently encompassed by the El Centro claims. This would not only include the Pictou Mining Lease but also the other Crown Grants closer to Atlin on the El Centro I claim.

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4.0 INTRODUCTION

The El Centro I-III claims, located near the village of Atlin, in northwestern British Columbia, completely surround the Pictou property (Mineral Lease No. M32). This Mineral Lease covers an historically documented gold/silver showing in which thin quartz-pyrargyrite-tetrahedrite veins hosted in silica-carbonate-mariposite altered ultramafics (listwanite) contain up to 1.96 opt.(60 g/T) Au and 14.7 opt.(450 g/T) Ag (McIvor, 1989).

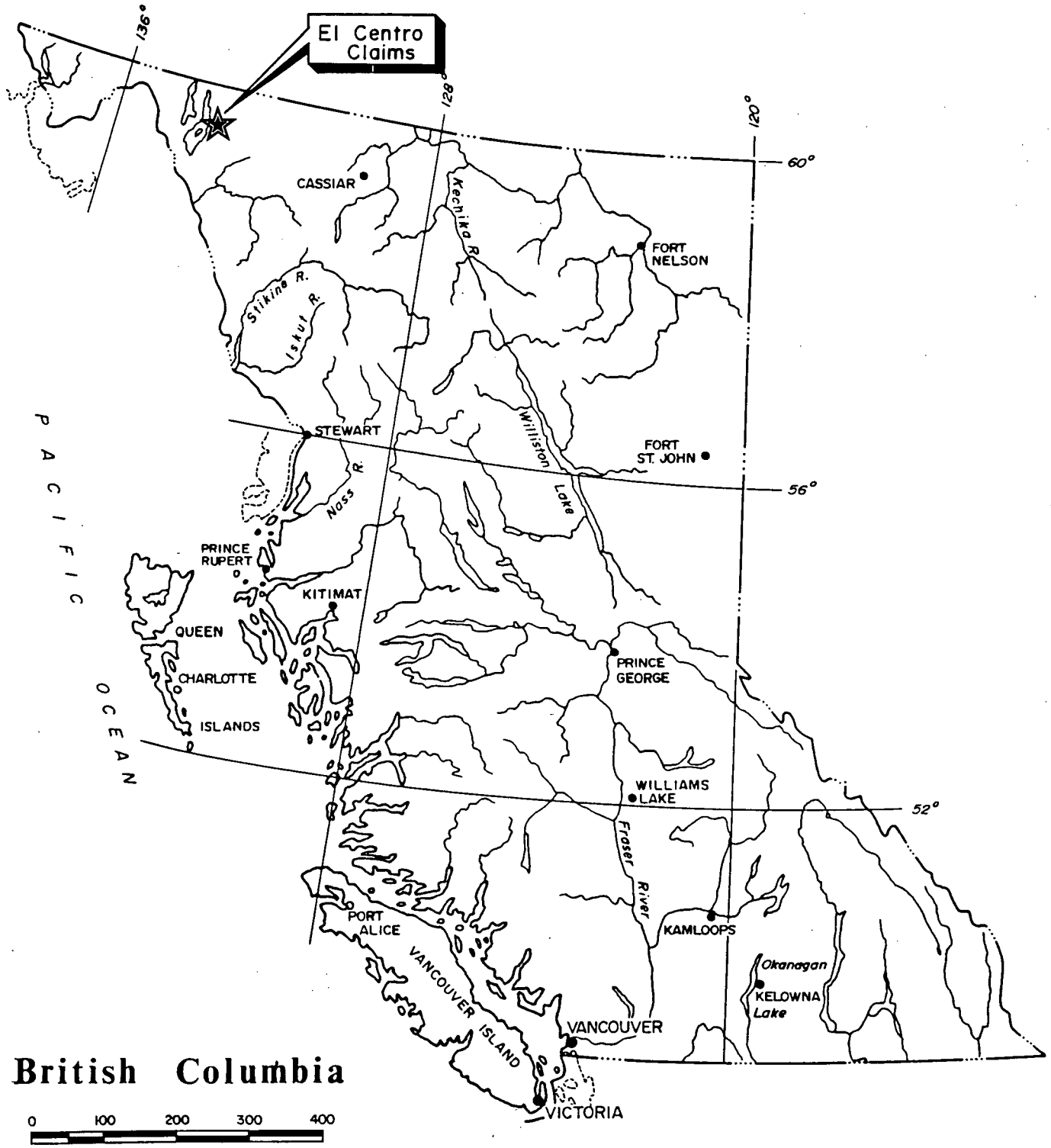
Several exploration programmes have been conducted on this property over the last century, including rotary and diamond drilling programmes completed by Homestake Mineral Development Co. Ltd. in 1987 and 1988. The El Centro I-III claims were staked in September, 1989 to cover possible extensions of the alteration found via this drilling.

The 1990 work programme was carried out in order to investigate soil geochemical anomalies on strike from the above-mentioned showing. To this end, one hundred-two soil samples and one rock sample were collected on the El Centro claims from 05 September to 06 September, 1990. This work was conducted for International Membership Marketing Inc. which has an option to earn 100% interest in the claims from the registered owner, John William Richard Smith of Atlin. As well, I.M.M.I. has an option to earn 100% interest in the Pictou property.

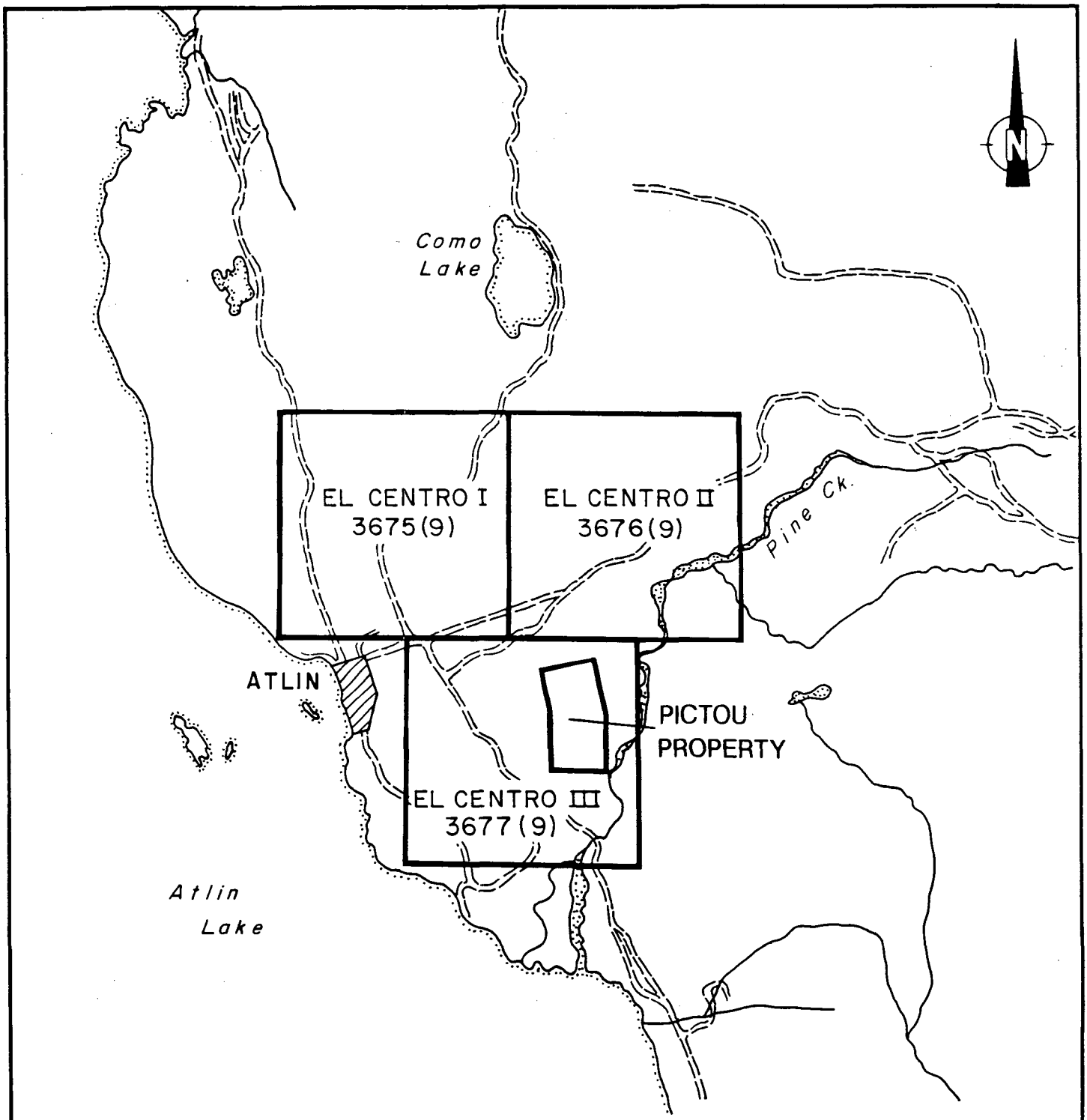
4.1 Claim Status

The property consists of three contiguous mineral claims, the El Centro I, El Centro II and El Centro III, totalling 48 units (1200 hectares). These mineral claims are owned by Mr. John William Richard Smith of Atlin, B.C. and are under option to International Membership Marketing Inc. The property is located in the Atlin Mining Division. Within the boundaries of the El Centro I-III claims is a Mineral Lease (Mineral Lease No. M32) known as the Pictou property. This Lease is held by Ms. Shirley J. Connolly of Atlin and is under option to International Membership Marketing Inc.

Also within the boundaries of the El Centro I-III claims are several other Mineral Leases, Crown Granted claims, Mineral Reserves and the Atlin Airport; the Mineral Leases and Crown Grants are owned by parties other than the aforementioned. Figure 2, the Claim Map accompanying this report, is a simplification -copied from the Mineral Titles Reference Map- of the claims data. The reader is referred to the current Mineral Titles Reference Map for 104N/12E.



INT'L MEMBERSHIP MARKETING INC.			
EL CENTRO I - III CLAIMS ATLIN M.D., B.C.			
General Location Map			
HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: as shown	N.T.S.: 104 N/12E	FIGURE No: 1
	DWN. BY:	DATE: Nov. 1990	
	CHKD. BY:	PROJECT No: 90BC051	FILE No:



1.0 0 1.0 2.0km

SCALE 1:50,000

INT'L MEMBERSHIP MARKETING INC.

EL CENTRO I – III CLAIMS

ATLIN M.D., B.C.

Claim Map

INTEC RESOURCE MANAGEMENT LTD.	SCALE: 1:50,000	N.T.S.: 104N/12E	FIGURE No: 2
	DWN. BY:	DATE: Nov. 1990	
	CHKD. BY:	PROJECT No: 90 BC 051	FILE No:

Relevant claim data for the El Centro I-III claims is listed below:

Claim Name	Record	No. of Units	Rec. Date	Exp.Date
	(Pending acceptance of this assessment report)			
El Centro I	3675	16	07/Sep/89	07/Sep/91
El Centro II	3676	16	07/Sep/89	07/Sep/91
El Centro III	3677	16	07/Sep/89	07/Sep/91

None of the legal corner post locations have been verified by the author at this time.

4.2 Location and Access

The El Centro I-III claims are located adjacent to the town of Atlin, B.C. (See Figure 1). They are within the Atlin Mining Division and are centred at approximately 59o 34′ N. Lat., 133o 40′ W. Long. Access to the claims is excellent, the main road into Atlin traverses the El Centro I claim, there is a well-developed network of secondary roads on the property and the Atlin Airfield cuts across the El Centro II and III claims. A full range of support services is available in Atlin and more extensive support services are available in Whitehorse, which is approximately two hours travel time away via the main road.

4.3 Topography, Climate and Vegetation

The El Centro I-III claims are located in the Pine Creek valley, which is relatively wide and flat. The property is in close proximity to where Pine Creek flows into Atlin Lake and, because of this, fluvial/flood plain sands and gravels cover much of the claim group.

The area is in the rainshadow of the Coast Mountains and does not get the extreme amounts of snow and rain associated with that climatic zone. Temperatures are not as moderate as the coastal areas, therefore summers are relatively hot and winters can be very cold .

Local vegetation consists of a mixed uplands forest of poplar and spruce.

4.4 Exploration History

The Atlin Camp has been an active area of exploration since the initial Atlin gold rush of 1899. Most of the work on what is now the El Centro claims has been conducted on the aforementioned Pictou property and on a group of Crown Granted claims straddling the El Centro I and El Centro III claims (these Crown Grants are owned by other parties and not under option to IMMI).

Work on the Pictou property commenced sometime between the turn of the century and the 1920s, likely with general prospecting and definitely with the completion of a long adit beneath the high grade surface showing (McIvor, 1989).

Mineralization was first noted in 1931 by the Resident Mining Engineer, Mr. J.T. Mandy when he recorded "a zone of quartz veining and wallrock alteration over 20-60 feet". Rock samples from a major quartz vein and from a rock dump in this zone had assays of 0.68-0.70 opt Au and 7.4-13.2 opt Ag (McIvor, 1989).

The Pictou and Scarab Crown Granted claims were acquired by Mr. T. Connolly of Atlin in 1966 and subsequently brought to lease (Mining Lease No. M32). The following year, Mr. Connolly sent a one tonne bulk sample to the Trail smelter, it assayed 0.295 opt Au, 8.0 opt Ag, 0.05% Cu, 0.2% Pb and 0.1% Zn. (McIvor, 1989).

This property was optioned by the Homestake Mineral Development Co. Ltd. in 1987 and they conducted an extensive exploration programme during 1987 and 1988. This work included soil/rock geochemical sampling, VLF-Magnetometer and IP surveys, trenching, detailed geologic mapping followed by both rotary and diamond drilling programmes (McIvor, 1989).

The geologic mapping found the predominant rock type to be altered ultramafic intrusives; the alteration includes serpentinization as well as a strong quartz-carbonate-mariposite ("listwanite") alteration. Minor feldspar porphyries and andesites were noted in places (McIvor, 1989).

The geochemical sampling yielded the best results from the "main zone" of quartz veining and wallrock alteration mentioned previously, where grab samples of quartz and quartz carbonate veins returned assays up to 0.55 opt (16.9 g/T) Au and 9.06 opt (278 g/T) Ag. There were several strong, coincident multi-element soil anomalies outlined as well (McIvor 1989).

The geophysical surveys were useful in differentiating the listwanites from the serpentinites (predominantly via the magnetometer survey); however, no sulphides were detected and the VLF survey was inconclusive (McIvor, 1989).

Trenching was conducted only over the "main zone" veins and there were several anomalous grab samples (up to 1.96 opt Au and 14.67 opt Ag); the best chip sample assay was 0.47 opt (14.3 g/T) Au over 2 metres (McIvor, 1989).

Seven rotary holes were drilled in 1987, five of which focused on the "main zone". These five holes were planned to test down-dip extensions of the "main zone" mineralization and all five intersected "a sequence of intensely altered ultramafics underlain by equally altered andesitic volcanics" (McIvor, 1989). This drilling also determined that there is low-angle, westward-dipping fault contact between the ultramafics and the underlying andesites trending northeast up the Pine Creek valley. The 1990 soil sampling programme conducted by the current optionors was designed to cross this fault trend.

The rotary drilling on the "main zone" yielded only one "ore grade" intersection of 0.29 opt (8.8 g/T) Au over 1.5 metres. There were also several weakly anomalous sections, mostly in close association with the ultramafic/andesite contact. The two rotary holes drilled to follow up soil anomalies encountered altered but non-mineralized ultramafics (McIvor, 1989).

The 1988 diamond drilling programme consisted of two holes which were planned to further investigate the nature of the ultramafic/andesite contact. Both holes encountered this contact but returned no anomalous assays (McIvor, 1989).

Subsequent to Homestake's work, the El Centro I-III claims were staked to surround the Pictou property. The claims and the Pictou property were then optioned by International Membership Marketing Inc. and the brief 1990 soil sampling programme was conducted.

5.0 GEOLOGY

5.1 Regional Geology

The principal geologic province of the Atlin region is the Atlin Terrane. This is a northwest-trending package of Upper Paleozoic oceanic crustal rocks (Monger, 1975) which has been correlated with the Cache Creek Group of central and southern British Columbia.

This terrane is dominated by andesites and basalts which are intercalated with shallow water chemical sediments (limestone, dolomite, chert) and rare clastics. As well, there are several Late Jurassic to Early Tertiary granitic plutons which intrude the package. Minor Tertiary volcanics and sediments occur in places (McIvor, 1988). Please refer to figure 3.

Also within the Atlin Terrane are several Permian ultramafic intrusives, as mentioned previously. These ultramafics are either serpentinites or listwanites (quartz-carbonate-mariposite altered ultramafics) and they appear to be in thrust contact with the underlying andesites. Most of the lode gold occurrences in the Atlin Camp are associated with these listwanites, in close proximity to their contact with the Cache Creek Group rocks. Previous work has shown extensive alteration occurs in both the ultramafics and underlying andesites, suggesting relatively extensive hydrothermal activity along these contacts (McIvor, 1988 & 1989, Ronning, 1987).

Gold-bearing mineralization occurs predominantly in quartz and quartz-carbonate veins and vein stockworks associated with the hydrothermal alteration and consists of either free gold or gold in conjunction with pyrite, galena, sphalerite, tetrahedrite, arsenopyrite, chalcopyrite or pyrargyrite (McIvor, 1989).

5.2 Property Geology

Due to time constraints, the geology of the El Centro claims was not examined during the 1990 work programme.

SEE FOLLOWING PAGE FOR LEGEND

N

5 0 5 10 km

INT'L MEMBERSHIP MARKETING INC.

EL CENTRO I – III CLAIMS

ATLIN M.D., B.C.

Regional Geology Map

	SCALE: 1 : 250 000	N.T.S.: 104 N/12E	FIGURE No: 3
	DWN. BY:	DATE: Nov. 1990	
	CHKD. BY:	PROJECT No: 90 BC 051	FILE No:

HI-TEC RESOURCE MANAGEMENT LTD.

GEOLOGICAL LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

17 — *Glacial drift; alluvium*

TERTIARY AND QUATERNARY

16 — *Olivine basalt and scoria;* 16a, *Tertiary;* 16b, *Pleistocene*

TERTIARY (?)

15 — 15a, *quartz monzonite;* 15b, *granophyre;* 15c, *gabbro and diorite*

CRETACEOUS OR TERTIARY
SLOKO GROUP

14 — *Andesite, basalt; albite trachyte, albite rhyolite, dacite, and related pyroclastic rocks; conglomerate, sandstone*

CRETACEOUS

13 — 13a, *alaskite,* 13b, *quartz monzonite*

JURASSIC (*May be in part older and younger*)
COAST INTRUSIONS

12 — *Undifferentiated granitic rocks;* 12a, *Black Mountain body,* 12b, *Fourth of July Creek body;* 12c, *pink granite;* 12d, *Mount McMaster body;* 12e, *diorite;* 12f, *alkaline granite*

JURASSIC
LABERGE GROUP

11 — *Volcanic greywacke, siltstone, mudstone, shale, conglomerate; minor concretionary sandy limestone*

TRIASSIC (?)

10 — *Greywacke, chert, argillite, conglomerate, tuff; slate, greenstone, impure limestone, jasper*

PALÆOZOIC

PENNSYLVANIAN AND PERMIAN
ATLIN INTRUSIONS

9 — *Peridotite; meta-diorite and meta-gabbro;* 9a, *serpentinite;* 9b, *carbonitized serpentinite;* 9c, *talc-bearing (steatitized) ultramafic rocks*

CACHE CREEK GROUP

6 8 — 6. *Chert, argillite, chert-pebble conglomerate and chert breccia; derived quartzite and schist; minor 7 and 8*
7. *Greenstone and volcanic greywacke; derived amphibolite; minor 6 and 8*
8. *Limestone and limestone breccia*

PENNSYLVANIAN AND/OR PERMIAN

4 5 — 4. *Andesite, basalt, and related pyroclastic rocks; conglomerate, sandstone, shale*
5. *Limestone*
May be in part or wholly equivalent to 6, 7, 8

MISSISSIPPIAN AND/OR EARLIER
SYLVESTER GROUP

3 — 3a, *greenstone, chlorite schist, greywacke, quartzite, quartz-biotite schist;* 3b, *impure crystalline limestone*

PRECAMBRIAN OR PALÆOZOIC

PRE-PERMIAN

2 — *Quartz monzonite*

YUKON GROUP

1 — *Hornblende-quartz-feldspar schist and gneiss; quartzite, crystalline limestone. May be in part equivalent to 3*

A — *Undifferentiated, mainly volcanic rocks of uncertain, possibly several, ages. Andesite, basalt, agglomerate, tuff, breccia; diorite and quartz diorite porphyries; rhyolite. In part probably Triassic, probably equivalent to 10*

Bedding (horizontal, inclined, vertical, overturned)
Bedding (direction of dip known, upper side of bed unknown)
Schistosity or slaty cleavage (inclined, vertical)
Fault (defined, approximate, assumed)
Anticline (arrow indicates direction of plunge)
Syncline (arrow indicates direction of plunge)
Fossil locality (F)
Fossil locality (referred to in Table III) (S)
Mineral occurrence ×

6.0 1990 WORK PROGRAMME

The 1990 work programme consisted of a short reconnaissance soil sampling survey; the goal of which was to sample across the contact between the ultramafic and the underlying andesite. A small grid totalling 5.1 line kilometres was established, with the baseline trending 027 degrees from the northern boundary of the Pictou property. Grid lines were run perpendicular to this at a 100 metre spacing, sample interval was 50 metres (see figure 4).

A total of 102 soil samples and one rock sample were taken. The lone rock sample is a grab sample from a gossanous listwanite assemblage that had been trenched. There are scattered medium-grained blebs of sulphide visible therein, sulphide that is likely arsenopyrite, due to the anomalous As content of 261 ppm. Other than the elevated As, there were no anomalous concentrations of any elements.

In general, the soil sample geochemistry is not anomalous, with Au values only up to 120 ppb, with 5-10 ppb being the average. Twenty-two samples were anomalous in Au; however, these spot anomalies are likely due to placer concentration, since the soils sampled lie atop fluvial/floodplain sediments. Silver is almost exclusively not anomalous, with values of 0.1 ppm or less being predominant.

Geochemical analyses were performed by International Plasma Lab. Ltd. in Vancouver and the samples were analyzed for Au by Atomic Absorption and Fire Assay as well as being analyzed for 30 elements by ICP (refer to Appendix B).

7.0 BIBLIOGRAPHY

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APPENDIX A

CERTIFICATES OF ANALYSIS

Report: 9000868 R Hi-Tec Resources Management Inc. Project: 90BC 051 Page 1 of 3 Section 1 of 3

Sample Name		Type	Au ppb	Ag oz/st	Au oz/st	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm
BL 6+00N	0+70E	Rock	--	<0.01	<0.005	0.7	0.13	261	18	<2	2.04	0.2	26	179	10	1.31	<3
BL 0+00N		Soil	25	--	--	0.2	1.49	16	159	<2	0.66	0.8	45	116	21	4.08	<3
BL 0+50N		Soil	10	--	--	0.1	1.37	<5	216	<2	0.81	0.3	33	109	22	3.06	<3
BL 1+00N		Soil	5	--	--	<0.1	1.61	7	175	<2	0.55	0.5	41	176	10	4.38	<3
BL 1+50N		Soil	<5	--	--	0.3	2.00	6	199	<2	0.86	0.8	34	93	38	3.47	<3
BL 2+00N		Soil	15	--	--	0.3	1.20	5	204	<2	2.90	0.9	11	68	111	1.85	<3
BL 2+50N		Soil	<5	--	--	0.1	0.46	<5	96	<2	4.36	0.9	5	13	52	0.55	<3
BL 3+00N		Soil	<5	--	--	<0.1	0.55	<5	176	<2	>10.00	0.1	7	24	26	0.70	<3
BL 3+50N		Soil	10	--	--	<0.1	1.58	5	86	5	1.23	0.3	14	113	18	2.67	<3
BL 4+00N		Soil	<5	--	--	<0.1	1.12	<5	106	<2	0.40	0.2	16	93	6	2.08	<3
BL 4+50N		Soil	5	--	--	0.1	1.73	8	118	<2	0.39	0.3	27	149	8	3.29	<3
BL 5+00N		Soil	<5	--	--	<0.1	1.52	7	97	<2	0.42	0.4	28	202	16	3.48	<3
BL 5+50N		Soil	5	--	--	<0.1	1.21	<5	121	<2	0.50	0.4	22	131	10	2.76	<3
BL 6+00N		Soil	10	--	--	<0.1	1.19	<5	86	<2	0.40	0.5	22	120	11	2.50	<3
BL 6+50N		Soil	<5	--	--	<0.1	1.95	10	239	<2	0.62	0.5	33	129	19	4.13	<3
BL 7+00N		Soil	5	--	--	<0.1	1.78	11	174	<2	1.05	0.2	23	76	20	3.71	<3
BL 7+50N		Soil	15	--	--	<0.1	1.75	7	160	<2	0.40	0.2	20	80	9	3.27	<3
BL 8+00N		Soil	10	--	--	0.1	1.17	<5	162	<2	4.35	2.0	12	41	58	1.69	<3
BL 8+50N		Soil	5	--	--	0.1	1.99	7	125	3	0.38	0.3	24	144	13	3.29	<3
BL 9+00N		Soil	35	--	--	<0.1	1.39	6	100	<2	0.32	0.2	20	162	6	2.81	<3
BL 9+50N		Soil	10	--	--	<0.1	1.31	5	132	<2	0.35	0.5	22	150	8	2.77	<3
BL10+00N		Soil	5	--	--	<0.1	1.80	<5	246	<2	0.51	0.8	29	168	16	3.21	<3
L 0+00N	0+50E	Soil	5	--	--	<0.1	0.89	<5	183	<2	0.64	1.0	36	58	33	2.22	<3
L 0+00N	1+00E	Soil	<5	--	--	<0.1	1.55	6	171	<2	0.43	0.2	24	88	18	2.74	<3
L 0+00N	1+50E	Soil	<5	--	--	<0.1	1.19	<5	130	<2	0.43	0.3	19	137	7	2.34	<3
L 0+00N	2+00E	Soil	120	--	--	<0.1	1.39	7	122	<2	0.37	0.7	33	213	15	3.86	<3
L 0+00N	2+50E	Soil	45	--	--	<0.1	1.27	8	96	<2	0.36	0.5	23	190	10	3.41	<3
L 0+00N	3+00E	Soil	<5	--	--	0.2	1.38	<5	134	<2	0.77	2.1	26	100	52	2.27	<3
L 0+00N	3+50E	Soil	5	--	--	<0.1	1.31	<5	130	<2	0.35	0.2	20	114	8	2.40	<3
L 0+00N	4+00E	Soil	25	--	--	<0.1	1.29	9	57	<2	0.37	0.5	28	209	22	3.59	<3
L 0+00N	4+50E	Soil	5	--	--	0.1	1.34	11	77	<2	0.47	0.6	29	222	22	3.78	<3
L 1+00N	0+50E	Soil	15	--	--	0.1	1.38	6	104	<2	0.49	0.5	24	88	14	2.84	<3
L 1+00N	1+00E	Soil	5	--	--	<0.1	1.40	9	59	<2	0.33	0.3	20	186	5	3.19	<3
L 1+00N	1+50E	Soil	5	--	--	<0.1	1.08	<5	146	<2	0.47	1.0	26	75	15	2.19	<3
L 1+00N	2+00E	Soil	10	--	--	<0.1	1.38	5	100	<2	0.72	0.1	16	170	26	3.20	<3
L 1+00N	2+50E	Soil	50	--	--	<0.1	1.21	5	114	<2	0.35	0.3	23	155	8	3.07	<3
L 1+00N	3+00E	Soil	5	--	--	<0.1	1.36	<5	174	<2	0.54	2.5	35	137	15	3.11	<3
L 1+00N	3+50E	Soil	20	--	--	<0.1	1.58	5	98	<2	0.40	0.3	21	148	10	2.81	<3
L 1+00N	4+00E	Soil	<5	--	--	<0.1	1.50	<5	157	<2	0.43	0.4	25	126	10	3.06	<3
Minimum Detection			5	0.01	0.005	0.1	0.01	5	2	2	0.01	0.1	1	1	1	0.01	3
Maximum Detection			10000	1000.00	1000.000	100.0	5.00	10000	10000	10000	10.00	10000.0	10000	10000	20000	5.00	10000
Method			FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Sample Name		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	V ppm	W ppm	Zn ppm
BL 6+00N	0+70E	0.04	<2	3.29	369	3	0.02	357	<0.01	7	18	2	71	<10	<0.01	10	<5	7
BL 0+00N		0.10	6	0.86	1704	2	0.02	133	0.12	7	5	3	33	<10	0.04	60	<5	109
BL 0+50N		0.11	5	1.46	2136	2	0.02	166	0.10	5	5	3	37	<10	0.05	39	<5	92
BL 1+00N		0.08	6	3.08	1118	3	0.02	239	0.11	6	8	5	30	<10	0.06	60	<5	69
BL 1+50N		0.05	9	0.91	1013	2	0.02	227	0.03	5	<5	5	40	<10	0.07	52	<5	65
BL 2+00N		0.04	7	1.68	109	2	0.02	266	0.12	3	<5	3	204	<10	0.03	28	<5	28
BL 2+50N		0.02	3	1.64	51	2	0.02	218	0.12	5	<5	<1	181	<10	0.01	10	<5	21
BL 3+00N		0.01	2	1.36	236	2	0.02	129	0.14	3	<5	1	289	<10	0.01	10	<5	11
BL 3+50N		0.03	5	1.64	267	1	0.04	97	0.04	3	5	4	50	<10	0.04	43	<5	29
BL 4+00N		0.06	4	0.78	530	2	0.02	66	0.02	3	<5	2	20	<10	0.05	38	<5	38
BL 4+50N		0.06	4	1.23	543	2	0.01	130	0.07	4	5	3	20	<10	0.06	53	<5	81
BL 5+00N		0.10	3	2.93	582	2	0.02	214	0.08	2	5	4	20	<10	0.07	52	<5	67
BL 5+50N		0.12	5	1.12	917	2	0.02	122	0.04	3	5	3	29	<10	0.06	41	<5	50
BL 6+00N		0.04	5	0.97	521	1	0.02	85	0.06	3	6	3	25	<10	0.07	44	<5	66
BL 6+50N		0.06	8	1.40	1346	2	0.01	126	0.09	8	5	4	34	<10	0.04	69	<5	85
BL 7+00N		0.10	7	1.12	1000	2	0.06	85	0.05	6	5	3	77	<10	0.10	79	<5	56
BL 7+50N		0.03	6	0.86	925	2	0.01	72	0.05	6	<5	3	22	<10	0.05	65	<5	54
BL 8+00N		0.02	6	1.17	835	2	0.02	120	0.10	3	<5	2	204	<10	0.02	26	<5	49
BL 8+50N		0.04	4	1.19	486	1	0.02	135	0.04	4	5	3	21	<10	0.07	55	<5	65
BL 9+00N		0.06	4	1.24	247	1	0.02	114	0.04	2	<5	3	15	<10	0.06	45	<5	46
BL 9+50N		0.11	6	1.16	762	2	0.02	119	0.05	3	8	3	16	<10	0.07	40	<5	88
BL 10+00N		0.10	6	1.69	1716	2	0.02	211	0.12	6	7	4	23	<10	0.06	49	<5	201
L 0+00N	0+50E	0.06	5	0.47	2192	2	0.02	91	0.08	6	<5	2	30	<10	0.05	30	<5	156
L 0+00N	1+00E	0.12	6	0.71	773	2	0.02	104	0.07	4	<5	3	22	<10	0.07	45	<5	63
L 0+00N	1+50E	0.05	6	1.04	649	2	0.02	77	0.03	3	5	2	23	<10	0.06	43	<5	29
L 0+00N	2+00E	0.09	7	1.35	835	2	0.02	199	0.08	4	6	4	16	<10	0.06	52	<5	103
L 0+00N	2+50E	0.04	5	1.25	395	2	0.01	143	0.05	2	6	3	16	<10	0.07	53	<5	58
L 0+00N	3+00E	0.05	6	1.22	2035	1	0.02	378	0.06	5	5	3	42	<10	0.04	30	<5	193
L 0+00N	3+50E	0.05	4	1.00	707	2	0.02	117	0.04	4	<5	3	18	<10	0.06	38	<5	70
L 0+00N	4+00E	0.15	7	1.71	474	1	0.01	220	0.06	2	7	5	16	<10	0.08	53	<5	49
L 0+00N	4+50E	0.14	7	2.35	513	2	0.02	221	0.05	2	10	5	20	<10	0.08	55	<5	49
L 1+00N	0+50E	0.08	6	0.90	468	2	0.02	115	0.03	4	<5	3	25	<10	0.06	47	<5	34
L 1+00N	1+00E	0.05	4	1.21	211	1	0.01	108	0.01	3	7	3	20	<10	0.08	59	<5	32
L 1+00N	1+50E	0.06	5	0.54	2006	2	0.02	58	0.05	5	<5	1	25	<10	0.03	34	<5	42
L 1+00N	2+00E	0.04	5	1.61	257	1	0.01	157	0.02	3	9	4	35	<10	0.06	38	<5	34
L 1+00N	2+50E	0.06	5	0.94	683	2	0.01	114	0.03	2	<5	2	16	<10	0.07	45	<5	54
L 1+00N	3+00E	0.09	5	1.25	2132	2	0.02	124	0.09	4	5	3	27	<10	0.05	41	<5	166
L 1+00N	3+50E	0.05	5	1.40	196	1	0.02	142	0.03	3	7	4	21	<10	0.07	49	<5	41
L 1+00N	4+00E	0.06	5	1.01	1024	2	0.01	106	0.07	4	<5	3	23	<10	0.05	47	<5	88
Minimum Detection		0.01	2	0.01	1	1	0.01	1	0.01	2	5	1	1	10	0.01	5	5	1
Maximum Detection		10.00	10000	10.00	10000	1000	5.00	10000	5.00	20000	1000	10000	10000	1000	1.00	10000	1000	20000
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Sample Name		Zr ppm
BL 6+00N	0+70E	1
BL 0+00N		<1
BL 0+50N		<1
BL 1+00N		1
BL 1+50N		1
BL 2+00N		3
BL 2+50N		2
BL 3+00N		2
BL 3+50N		1
BL 4+00N		1
BL 4+50N		<1
BL 5+00N		1
BL 5+50N		<1
BL 6+00N		1
BL 6+50N		<1
BL 7+00N		7
BL 7+50N		1
BL 8+00N		2
BL 8+50N		1
BL 9+00N		2
BL 9+50N		2
BL10+00N		1
L 0+00N	0+50E	<1
L 0+00N	1+00E	1
L 0+00N	1+50E	1
L 0+00N	2+00E	1
L 0+00N	2+50E	1
L 0+00N	3+00E	1
L 0+00N	3+50E	1
L 0+00N	4+00E	3
L 0+00N	4+50E	2
L 1+00N	0+50E	1
L 1+00N	1+00E	2
L 1+00N	1+50E	<1
L 1+00N	2+00E	1
L 1+00N	2+50E	<1
L 1+00N	3+00E	1
L 1+00N	3+50E	2
L 1+00N	4+00E	1
Minimum Detection		1
Maximum Detection		10000
Method		ICP

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Sample Name		Type	Au ppb	Ag oz/st	Au oz/st	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm
L 2+00N	0+50E	Soil	5	--	--	0.1	1.37	6	82	2	0.37	0.4	21	152	6	3.06	<3
L 2+00N	1+00E	Soil	10	--	--	0.1	1.95	8	202	<2	0.39	0.6	38	231	14	4.64	<3
L 2+00N	1+50E	Soil	15	--	--	0.1	1.94	13	132	<2	0.38	0.4	38	231	16	4.37	<3
L 2+00N	2+00E	Soil	5	--	--	0.1	1.51	5	111	<2	0.44	0.3	19	91	6	2.93	<3
L 2+00N	2+50E	Soil	<5	--	--	0.1	1.77	8	85	<2	0.29	0.3	19	153	10	2.80	<3
L 2+00N	3+00E	Soil	<5	--	--	0.1	1.42	8	96	<2	1.05	0.7	21	107	13	2.66	<3
L 2+00N	3+50E	Soil	25	--	--	0.1	1.40	7	106	<2	0.31	0.6	23	154	8	3.20	<3
L 3+00N	0+50E	Soil	<5	--	--	0.1	0.21	<5	120	<2	5.09	0.9	5	7	12	0.29	<3
L 3+00N	1+00E	Soil	5	--	--	0.1	1.52	9	76	<2	0.57	0.4	31	286	30	3.71	<3
L 3+00N	1+50E	Soil	20	--	--	0.1	1.09	6	71	<2	0.32	0.5	15	143	7	2.49	<3
L 3+00N	2+00E	Soil	5	--	--	0.2	0.15	<5	128	<2	5.02	0.5	9	30	123	0.20	<3
L 3+00N	2+50E	Soil	5	--	--	0.1	1.43	7	104	<2	0.31	0.5	26	196	11	3.56	<3
L 3+00N	3+00E	Soil	<5	--	--	0.2	2.13	6	194	<2	0.53	0.5	25	107	13	3.64	<3
L 4+00N	0+50E	Soil	<5	--	--	0.1	1.40	8	125	<2	0.37	0.4	25	141	8	2.90	<3
L 4+00N	1+00E	Soil	15	--	--	0.2	1.32	7	110	3	0.29	0.7	27	169	9	3.11	<3
L 4+00N	1+50E	Soil	<5	--	--	0.2	1.69	7	144	<2	0.47	0.4	29	191	12	3.52	<3
L 4+00N	2+00E	Soil	10	--	--	0.1	1.50	11	62	<2	0.32	0.3	20	163	10	2.94	<3
L 4+00N	2+50E	Soil	50	--	--	0.1	1.52	11	89	<2	0.28	0.2	27	202	15	3.99	<3
L 5+00N	0+50E	Soil	<5	--	--	0.2	1.27	<5	141	<2	0.41	0.9	35	146	12	3.07	<3
L 5+00N	1+00E	Soil	5	--	--	0.1	1.20	5	107	<2	0.36	0.5	22	110	12	2.62	<3
L 5+00N	1+50E	Soil	<5	--	--	0.2	1.51	5	117	<2	0.41	0.3	31	152	11	3.12	<3
L 5+00N	2+00E	Soil	5	--	--	0.1	1.49	8	127	<2	0.33	0.5	26	171	14	3.48	<3
L 6+00N	0+50E	Soil	<5	--	--	0.2	1.25	<5	279	<2	0.65	1.3	32	128	25	4.19	<3
L 6+00N	1+00E	Soil	<5	--	--	0.3	1.70	11	197	<2	0.44	0.5	40	203	18	4.61	3
L 6+00N	1+50E	Soil	<5	--	--	0.1	1.78	9	85	<2	0.41	0.4	31	237	14	4.18	<3
L 6+00N	2+00E	Soil	10	--	--	0.1	1.31	9	86	<2	0.26	0.4	23	165	16	3.30	<3
L 7+00N	0+50E	Soil	20	--	--	0.1	1.63	11	114	<2	0.35	0.3	17	119	18	3.09	<3
L 7+00N	1+00E	Soil	5	--	--	0.1	1.30	<5	141	<2	0.55	0.2	13	68	9	2.31	<3
L 7+00N	1+50E	Soil	<5	--	--	0.2	1.63	6	174	<2	0.55	0.3	21	87	15	3.04	<3
L 7+00N	2+00E	Soil	10	--	--	0.1	1.49	6	157	<2	0.44	0.5	24	155	11	3.08	<3
L 7+00N	2+50E	Soil	30	--	--	0.1	1.71	9	178	<2	0.56	1.0	38	175	19	3.72	<3
L 7+00N	3+00E	Soil	10	--	--	0.1	1.48	12	74	<2	0.42	0.4	24	182	20	3.37	<3
L 7+00N	3+50E	Soil	10	--	--	0.1	1.69	13	79	<2	0.68	0.5	35	201	40	3.78	<3
L 7+00N	4+00E	Soil	10	--	--	0.1	1.51	13	79	<2	0.99	0.9	31	188	33	3.36	<3
L 7+00N	4+50E	Soil	5	--	--	0.1	1.00	8	55	<2	0.63	0.4	24	163	26	3.02	<3
L 7+00N	5+00E	Soil	90	--	--	0.1	1.67	11	73	<2	0.82	0.5	31	237	36	3.91	<3
L 8+00N	0+50E	Soil	5	--	--	0.1	1.50	7	78	<2	0.29	0.2	20	150	8	3.09	<3
L 8+00N	1+00E	Soil	5	--	--	0.2	1.67	7	137	<2	0.32	0.5	27	153	8	3.23	<3
L 8+00N	1+50E	Soil	25	--	--	0.1	2.03	8	162	<2	0.38	0.8	38	198	15	4.07	<3
Minimum Detection			5	0.01	0.005	0.1	0.01	5	2	2	0.01	0.1	1	1	1	0.01	3
Maximum Detection			10000	1000.00	1000.000	100.0	5.00	10000	10000	10000	10.00	10000.0	10000	10000	20000	5.00	10000
Method			FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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L 2+00N	0+50E	0.04	4	1.11	292	1	0.02	104	0.03	3	5	2	22	<10	0.06	54	<5	55
L 2+00N	1+00E	0.08	6	1.76	1509	2	0.01	204	0.10	5	9	4	21	<10	0.06	65	<5	147
L 2+00N	1+50E	0.11	6	3.07	716	2	0.01	250	0.06	6	8	5	25	<10	0.06	66	<5	53
L 2+00N	2+00E	0.04	5	0.84	523	2	0.02	80	0.05	4	5	3	22	<10	0.06	55	<5	57
L 2+00N	2+50E	0.04	6	1.46	230	2	0.02	160	0.01	3	6	4	18	<10	0.08	60	<5	44
L 2+00N	3+00E	0.06	5	1.11	351	2	0.02	123	0.04	2	5	3	51	<10	0.05	41	<5	32
L 2+00N	3+50E	0.08	5	1.11	496	2	0.02	121	0.07	3	5	3	16	<10	0.07	48	<5	94
L 3+00N	0+50E	0.04	<2	1.44	259	2	0.02	45	0.16	2	<5	<1	174	<10	<0.01	5	<5	8
L 3+00N	1+00E	0.11	4	3.59	581	3	0.05	283	0.06	2	9	5	23	<10	0.09	58	<5	48
L 3+00N	1+50E	0.05	3	1.23	277	2	0.02	92	0.02	3	6	2	14	<10	0.07	41	<5	51
L 3+00N	2+00E	0.02	<2	1.20	139	2	0.01	734	0.15	2	<5	<1	208	<10	<0.01	21	<5	10
L 3+00N	2+50E	0.06	6	1.37	407	2	0.02	159	0.04	2	8	3	16	<10	0.06	54	<5	64
L 3+00N	3+00E	0.04	6	1.12	1073	2	0.04	105	0.04	5	6	4	26	<10	0.07	66	<5	75
L 4+00N	0+50E	0.08	4	1.06	829	2	0.02	112	0.02	3	6	3	19	<10	0.07	47	<5	42
L 4+00N	1+00E	0.08	7	1.29	347	2	0.02	135	0.05	2	9	3	15	<10	0.07	47	<5	69
L 4+00N	1+50E	0.12	6	1.51	627	2	0.02	168	0.06	4	9	3	25	<10	0.06	53	<5	82
L 4+00N	2+00E	0.05	6	1.44	193	1	0.02	141	0.02	3	7	3	19	<10	0.09	58	<5	42
L 4+00N	2+50E	0.03	5	1.35	375	5	0.01	173	0.03	3	6	3	16	<10	0.07	64	<5	43
L 5+00N	0+50E	0.11	4	1.32	1606	2	0.02	122	0.07	4	6	3	29	<10	0.05	44	<5	66
L 5+00N	1+00E	0.06	5	0.95	599	2	0.02	96	0.04	2	<5	2	22	<10	0.06	46	<5	36
L 5+00N	1+50E	0.09	5	1.28	1387	2	0.01	119	0.05	3	6	3	25	<10	0.07	50	<5	68
L 5+00N	2+00E	0.05	5	1.20	824	2	0.01	168	0.05	3	7	3	18	<10	0.07	55	<5	65
L 6+00N	0+50E	0.11	8	1.20	3224	4	0.02	117	0.13	7	5	4	46	<10	0.04	52	<5	135
L 6+00N	1+00E	0.10	6	0.94	1300	2	0.01	114	0.07	5	7	3	27	<10	0.11	73	<5	70
L 6+00N	1+50E	0.06	3	2.82	495	2	0.02	206	0.06	3	9	4	26	<10	0.08	65	<5	50
L 6+00N	2+00E	0.05	5	1.34	377	2	0.01	144	0.04	2	6	3	15	<10	0.07	50	<5	42
L 7+00N	0+50E	0.03	7	1.07	324	3	0.02	123	0.02	3	6	4	20	<10	0.06	56	<5	38
L 7+00N	1+00E	0.05	5	0.67	592	2	0.02	60	0.06	4	<5	2	27	<10	0.05	40	<5	54
L 7+00N	1+50E	0.06	7	0.89	1452	2	0.02	81	0.06	4	<5	3	29	<10	0.06	56	<5	48
L 7+00N	2+00E	0.09	7	1.24	627	2	0.02	163	0.02	2	5	3	21	<10	0.07	49	<5	50
L 7+00N	2+50E	0.11	7	1.67	1170	2	0.02	240	0.06	4	7	5	26	<10	0.08	55	<5	102
L 7+00N	3+00E	0.08	8	2.10	285	2	0.02	194	0.04	3	9	5	20	<10	0.08	54	<5	52
L 7+00N	3+50E	0.10	19	2.69	476	2	0.02	363	0.06	6	7	7	27	14	0.09	62	<5	65
L 7+00N	4+00E	0.10	12	2.89	544	2	0.02	317	0.07	5	9	6	35	10	0.08	54	<5	60
L 7+00N	4+50E	0.04	8	2.89	466	2	0.02	257	0.05	2	5	4	25	<10	0.06	43	<5	45
L 7+00N	5+00E	0.09	5	3.26	592	2	0.05	261	0.05	2	10	5	25	<10	0.12	68	<5	50
L 8+00N	0+50E	0.03	4	1.19	304	2	0.01	113	0.03	3	<5	3	16	<10	0.06	60	<5	41
L 8+00N	1+00E	0.06	4	1.25	469	2	0.01	136	0.07	3	7	3	16	<10	0.07	52	<5	82
L 8+00N	1+50E	0.08	7	1.61	1103	2	0.02	300	0.09	5	7	4	21	<10	0.06	62	<5	100
Minimum Detection		0.01	2	0.01	1	1	0.01	1	0.01	2	5	1	1	10	0.01	5	5	1
Maximum Detection		10.00	10000	10.00	10000	1000	5.00	10000	5.00	20000	1000	10000	10000	1000	1.00	10000	1000	20000
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

-- = Not Analysed unr = Not Requested ins = Insufficient Sample

Sample Name		Zr ppm
L 2+00N	0+50E	1
L 2+00N	1+00E	<1
L 2+00N	1+50E	1
L 2+00N	2+00E	1
L 2+00N	2+50E	2
L 2+00N	3+00E	1
L 2+00N	3+50E	1
L 3+00N	0+50E	1
L 3+00N	1+00E	2
L 3+00N	1+50E	1
L 3+00N	2+00E	4
L 3+00N	2+50E	2
L 3+00N	3+00E	1
L 4+00N	0+50E	1
L 4+00N	1+00E	2
L 4+00N	1+50E	1
L 4+00N	2+00E	2
L 4+00N	2+50E	2
L 5+00N	0+50E	<1
L 5+00N	1+00E	1
L 5+00N	1+50E	1
L 5+00N	2+00E	1
L 6+00N	0+50E	<1
L 6+00N	1+00E	<1
L 6+00N	1+50E	1
L 6+00N	2+00E	2
L 7+00N	0+50E	2
L 7+00N	1+00E	1
L 7+00N	1+50E	1
L 7+00N	2+00E	2
L 7+00N	2+50E	2
L 7+00N	3+00E	3
L 7+00N	3+50E	7
L 7+00N	4+00E	4
L 7+00N	4+50E	2
L 7+00N	5+00E	3
L 8+00N	0+50E	1
L 8+00N	1+00E	1
L 8+00N	1+50E	1
Minimum Detection		1
Maximum Detection		10000
Method		ICP

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Report: 9000868 R Hi-Tec Resources Management Inc. Project: 90BC 051 Page 3 of 3 Section 1 of 3

Sample Name		Type	Au ppb	Ag oz/st	Au oz/st	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm
L 8+00N	2+00E	Soil	<5	--	--	<0.1	1.68	11	130	<2	0.42	0.7	35	273	15	4.15	<3
L 8+00N	2+50E	Soil	10	--	--	0.1	1.12	9	56	<2	0.73	0.4	24	188	24	3.01	<3
L 8+00N	3+00E	Soil	5	--	--	0.1	1.78	19	76	<2	0.68	0.6	33	203	26	3.77	<3
L 8+00N	3+50E	Soil	<5	--	--	0.1	1.82	15	84	<2	0.69	0.6	34	186	29	3.74	<3
L 9+00N	0+50E	Soil	5	--	--	0.1	1.83	6	123	<2	0.46	0.5	31	143	7	3.08	<3
L 9+00N	1+00E	Soil	<5	--	--	0.1	1.61	<5	167	<2	0.39	0.4	19	167	6	2.14	<3
L 9+00N	1+50E	Soil	<5	--	--	0.1	1.46	8	109	<2	0.32	0.5	24	148	9	3.29	<3
L 9+00N	2+00E	Soil	<5	--	--	0.1	1.39	5	110	<2	0.37	0.5	20	155	8	2.55	<3
L 9+00N	2+50E	Soil	<5	--	--	0.1	2.00	15	167	<2	0.43	0.8	47	210	27	>5.00	<3
L 9+00N	3+00E	Soil	10	--	--	0.1	1.13	10	56	<2	0.59	0.4	25	181	25	3.01	<3
L 10+00N	0+50E	Soil	<5	--	--	0.1	1.70	10	213	<2	0.49	0.8	33	203	14	3.94	<3
L 10+00N	1+00E	Soil	65	--	--	0.1	1.86	14	148	<2	0.44	0.7	32	226	14	4.33	<3
L 10+00N	1+50E	Soil	30	--	--	0.2	1.61	7	175	<2	0.38	0.8	26	143	10	3.27	<3
L 10+00N	2+00E	Soil	30	--	--	0.1	1.61	7	118	<2	0.43	0.8	34	231	15	3.71	<3
L 10+00N	2+50E	Soil	5	--	--	0.1	1.30	8	99	<2	0.40	1.0	24	208	21	3.01	<3
L 10+00N	3+00E	Soil	<5	--	--	0.1	1.06	9	61	<2	1.19	0.4	24	140	27	2.79	<3
L 10+00N	3+50E	Soil	5	--	--	0.1	1.82	15	97	<2	1.29	0.5	36	195	44	3.99	<3
L 10+00N	4+00E	Soil	10	--	--	0.1	1.64	11	91	<2	0.65	0.6	32	188	39	3.92	<3
L 10+00N	4+50E	Soil	5	--	--	<0.1	1.49	13	71	<2	0.60	0.6	34	262	40	4.24	<3
L 10+00N	5+00E	Soil	5	--	--	0.1	1.42	9	97	<2	0.78	0.8	27	169	26	3.13	<3
L 10+00N	5+50E	Soil	<5	--	--	0.1	1.70	7	118	<2	0.51	0.5	23	156	9	3.55	<3
L 10+00N	6+00E	Soil	<5	--	--	0.1	1.36	<5	132	<2	0.46	0.9	25	143	10	3.22	<3
L 10+00N	6+50E	Soil	<5	--	--	<0.1	1.67	6	118	<2	0.42	0.5	27	197	13	3.90	<3
L 10+00N	7+00E	Soil	<5	--	--	0.1	1.59	<5	323	<2	0.70	1.6	29	116	11	3.36	<3
L 10+00N	7+50E	Soil	<5	--	--	<0.1	1.65	6	120	<2	0.42	0.8	34	232	17	4.24	<3
Minimum Detection			5	0.01	0.005	0.1	0.01	5	2	2	0.01	0.1	1	1	1	0.01	3
Maximum Detection			10000	1000.00	1000.000	100.0	5.00	10000	10000	10000	10.00	10000.0	10000	10000	20000	5.00	10000
Method			FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Report: 9000868 R Hi-Tec Resources Management Inc. Project: 90BC 051 Page 3 of 3 Section 2 of 3

Sample Name	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	V ppm	W ppm	Zn ppm
L 8+00N 2+00E	0.08	5	3.10	568	1	0.02	273	0.09	4	10	4	21	<10	0.07	59	<5	79
L 8+00N 2+50E	0.05	8	2.83	472	1	0.02	253	0.06	3	8	4	25	<10	0.08	48	<5	43
L 8+00N 3+00E	0.10	11	2.58	522	2	0.02	250	0.05	7	7	6	28	<10	0.09	61	<5	61
L 8+00N 3+50E	0.09	10	2.25	609	3	0.02	250	0.03	6	6	6	28	<10	0.09	62	<5	61
L 9+00N 0+50E	0.08	5	1.22	770	2	0.05	129	0.08	5	7	4	16	<10	0.07	50	<5	101
L 9+00N 1+00E	0.05	6	1.31	716	1	0.02	176	0.03	5	6	3	16	<10	0.08	41	<5	68
L 9+00N 1+50E	0.10	5	1.13	457	2	0.02	130	0.03	3	5	3	16	<10	0.09	53	<5	55
L 9+00N 2+00E	0.04	5	1.43	497	1	0.01	256	0.07	4	6	3	19	<10	0.07	38	<5	66
L 9+00N 2+50E	0.12	7	1.75	1256	2	0.01	457	0.07	6	7	6	23	<10	0.07	66	<5	80
L 9+00N 3+00E	0.05	11	2.58	443	1	0.02	252	0.06	4	9	5	23	<10	0.07	50	<5	43
L 10+00N 0+50E	0.10	5	1.84	1479	3	0.01	198	0.06	5	7	5	22	<10	0.07	56	<5	89
L 10+00N 1+00E	0.09	6	1.59	737	2	0.01	194	0.07	5	8	5	19	<10	0.08	64	<5	94
L 10+00N 1+50E	0.05	5	1.05	965	2	0.02	140	0.06	4	6	3	19	<10	0.07	50	<5	143
L 10+00N 2+00E	0.13	5	2.83	790	2	0.02	275	0.10	4	8	5	21	<10	0.08	52	<5	87
L 10+00N 2+50E	0.09	6	2.29	657	2	0.02	200	0.07	3	10	4	20	<10	0.07	46	<5	64
L 10+00N 3+00E	0.03	8	2.93	451	2	0.02	256	0.05	4	6	4	34	<10	0.06	42	<5	43
L 10+00N 3+50E	0.05	11	3.00	709	2	0.02	352	0.06	6	9	7	37	11	0.09	66	<5	61
L 10+00N 4+00E	0.06	11	2.79	430	2	0.02	279	0.07	7	9	6	29	10	0.09	63	<5	59
L 10+00N 4+50E	0.09	9	3.26	619	2	0.02	338	0.06	5	9	6	25	10	0.09	63	<5	58
L 10+00N 5+00E	0.04	8	2.54	672	2	0.02	207	0.06	5	8	4	27	<10	0.05	44	<5	59
L 10+00N 5+50E	0.03	5	0.86	627	2	0.02	116	0.02	4	6	3	19	<10	0.06	59	<5	26
L 10+00N 6+00E	0.10	4	1.65	1119	2	0.02	130	0.08	4	6	3	16	<10	0.08	49	<5	87
L 10+00N 6+50E	0.06	4	2.19	658	3	0.01	184	0.07	3	9	4	14	<10	0.08	57	<5	79
L 10+00N 7+00E	0.14	6	0.93	2981	2	0.01	113	0.11	6	5	2	23	<10	0.05	44	<5	163
L 10+00N 7+50E	0.09	4	3.17	880	2	0.02	272	0.09	4	9	5	15	<10	0.08	56	<5	96
Minimum Detection	0.01	2	0.01	1	1	0.01	1	0.01	2	5	1	1	10	0.01	5	5	1
Maximum Detection	10.00	10000	10.00	10000	1000	5.00	10000	5.00	20000	1000	10000	10000	1000	1.00	10000	1000	20000
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Sample Name		Zr ppm
L 8+00N	2+00E	2
L 8+00N	2+50E	3
L 8+00N	3+00E	2
L 8+00N	3+50E	2
L 9+00N	0+50E	1
L 9+00N	1+00E	1
L 9+00N	1+50E	2
L 9+00N	2+00E	1
L 9+00N	2+50E	1
L 9+00N	3+00E	3
L 10+00N	0+50E	<1
L 10+00N	1+00E	2
L 10+00N	1+50E	1
L 10+00N	2+00E	2
L 10+00N	2+50E	1
L 10+00N	3+00E	2
L 10+00N	3+50E	4
L 10+00N	4+00E	3
L 10+00N	4+50E	3
L 10+00N	5+00E	1
L 10+00N	5+50E	1
L 10+00N	6+00E	1
L 10+00N	6+50E	2
L 10+00N	7+00E	<1
L 10+00N	7+50E	2

Minimum Detection	1
Maximum Detection	10000
Method	ICP

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APPENDIX B

SAMPLING METHODOLOGY

SAMPLING METHODOLOGY

A. SOIL SAMPLES

Approximately 0.5 kg of "B" horizon soil was placed in a standard gusseted kraft bag and shipped to International Plasma Lab. Ltd. in Vancouver. This material was then dried and sieved to -80 mesh. a 20 gram sample was analyzed for gold using a fire assay, finished with atomic absorption. Another 1 gram split was then analyzed for 30 elements using Aqua Regia digestion and ICP.

B. LITHOGEOCHEMICAL SAMPLE

Approximately 2 kg of rock collected and placed in a 6 mil plastic bag and shipped to International Plasma Lab. Ltd. in Vancouver. This sample was then crushed and pulverized to -150 mesh and a 0.5 assay ton split taken. The split was then analyzed for gold using a fire assay, finished with atomic absorption. Another 1 gram split was then analyzed for 30 elements using Aqua Regia digestion and ICP.

APPENDIX C

ANALYTICAL METHODS

Method of Gold analysis by Fire Assay / AAS

(a) 20.0 to 30.0 grams of sample is mixed with a combination of fluxes in a fusion pot. The sample is then fused at high temperature to form a lead "button".

(b) The precious metals are extracted by cupellation. Any Silver is dissolved by nitric acid and decanted. The gold bead is then dissolved in boiling concentrated aqua regia solution heated by a hot water bath.

(c) The gold in solution is then determined by an Atomic Absorption Spectrometer. The gold value, in parts per billion, is calculated by comparision with a set of known gold standards.

Method of ICP Multi-element Analyses

(a) 0.50 grams of sample was digested with diluted aqua regia solution by heating in a hot water bath for 90 minutes, then cooled, bulked up to a fixed volume with demineralized water, and thoroughly mixed.

(b) The specific elements were determined using an Inductively Coupled Argon Plasma spectrophotometer. All major interfering, as well as trace, elements were inter-element corrected. All data were subsequently stored onto computer diskette.

* Aqua regia leaching is partial for Al,Ba,Ca,Cr,La,Mg,K, Sc,Na,Sn,Sr,Th,Ti,W and Zr.

APPENDIX D

STATEMENT OF COSTS

STATEMENT OF COSTS
EL CENTRO CLAIMS
PROJECT 90BC051

Salaries

T. Kennedy, Technician	1.5 days @ $300/day	$ 450.00
D. Jacob, Technicain	1.5 days @ $275/day	412.50

Project Expenses

Project Preparation	398.86
Mobilization/Demobilization	1,561.12
Domicile 3 man days @ $56.99/man/day	170.97
Geochemical Analysis 102 soil samples @ $1/sample preparation, 1 rock sample @ $3/sample preparation, and 103 analysis by ICP for 30 elements and gold by fire assay and atomic absorption @ $10/sample	1,134.00
Frieght	20.00
Truck Rental and Fuel 2 days @ $88.74/day	177.48
Field Supplies	71.00
Accounting/Communications	58.68
Drafting, Photocopying	250.00
Report Writing	500.00
15% Project Management Fee	780.69
TOTAL COSTS:	**$ 5,985.30**

APPENDIX E

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, C.Darren Frew, with a Business Address of 1500-609 Granville Street, Vancouver, B.C. do hereby certify that:

1. I am a Professional Geologist registered in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (Member No. 38860).

2. I hold a B.Sc. degree in Geology (1982) from the University of Calgary.

3. I have been practising my profession as an exploration geologist in mining and petroleum exploration for over 8 years.

4. I personally supervised the work programme conducted on the El Centro claims by International Membership Marketing Inc.

5. I do not hold any equity interest in the El Centro claims or International Membership Marketing Inc.

6. 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.

Lake

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07

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Communication
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1220
2356
314
851
276
277
278
1290
1161
378
343
906
905
Taranne
Prov
Pk
257
210
Recreation
Centre
Hospital
72
ATLIN
Atlin
Airfield
05
5644
5643
2300
351
6649
1596
1287
1108
1520
6352
BK A
2000

Pine

BASELINE 0+00E
(azimuth 027°)
1+00E
2+00E
3+00E
4+00E
5+00E
6+00E
7+00E
8+00N
9+00N
10+00N
6+00N /0770E rock sample
5+00N
4+00N
3+00N
2+00N
1+00N
0+00N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,626

100 0 500 1000m
SCALE 1:10,000

GEOCHEMICAL RESULTS

Sample	Type	Au(ppb)	Au(ppm)	Sample	Type	Au(ppb)	Au(ppm)
BL 6+00N 0+70E	rock	---	0.7	L 3+00N 2+50E	soil	5	0.1
BL 0+85N "	soil	25	0.2	L 3+00N 3+00E	soil	<5	0.2
BL 0+50N	soil	10	<0.1	L 4+00N 0+50E	soil	<5	0.1
BL 1+00N	soil	5	<0.1	L 4+00N 1+00E	soil	<5	0.2
BL 1+50N	soil	<5	0.3	L 4+00N 1+50E	soil	<5	0.2
BL 2+00N	soil	15	0.3	L 4+00N 2+00E	soil	10	0.1
BL 2+50N	soil	<5	0.1	L 4+00N 2+50E	soil	10	0.1
BL 3+00N	soil	<5	<0.1	L 5+00N 0+50E	soil	<5	0.2
BL 3+50N	soil	10	<0.1	L 5+00N 1+00E	soil	<5	0.2
BL 4+00N	soil	<5	<0.1	L 5+00N 1+50E	soil	<5	0.2
BL 4+50N	soil	5	0.1	L 5+00N 2+00E	soil	5	0.1
BL 5+00N	soil	<5	<0.1	L 6+00N 0+50E	soil	<5	0.2
BL 5+50N	soil	5	<0.1	L 6+00N 1+00E	soil	<5	0.3
BL 6+00N	soil	10	<0.1	L 6+00N 1+50E	soil	<5	0.1
BL 6+50N	soil	<5	<0.1	L 6+00N 2+00E	soil	10	0.1
BL 7+00N	soil	5	<0.1	L 7+00N 0+50E	soil	20	0.1
BL 7+50N	soil	25	<0.1	L 7+00N 1+00E	soil	5	0.1
BL 8+00N	soil	10	<0.1	L 7+00N 1+50E	soil	5	0.1
BL 8+50N	soil	5	<0.1	L 7+00N 2+00E	soil	10	0.1
BL 9+00N	soil	35	<0.1	L 7+00N 2+50E	soil	30	0.1
BL 9+50N	soil	10	<0.1	L 7+00N 3+00E	soil	10	0.1
BL 10+00N	soil	5	<0.1	L 7+00N 3+50E	soil	10	0.1
L 0+00N 0+50E	soil	5	<0.1	L 7+00N 4+00E	soil	10	0.1
L 0+00N 1+00E	soil	<5	<0.1	L 7+00N 4+50E	soil	5	0.1
L 0+00N 1+50E	soil	<5	<0.1	L 7+00N 5+00E	soil	90	0.1
L 0+00N 2+00E	soil	120	<0.1	L 8+00N 0+50E	soil	5	0.1
L 0+00N 2+50E	soil	45	<0.1	L 8+00N 1+00E	soil	<5	0.2
L 0+00N 3+00E	soil	<5	<0.1	L 8+00N 1+50E	soil	<5	0.1
L 0+00N 3+50E	soil	5	<0.1	L 8+00N 2+00E	soil	25	0.1
L 0+00N 4+00E	soil	25	<0.1	L 8+00N 2+50E	soil	10	0.1
L 0+00N 4+50E	soil	5	0.1	L 8+00N 3+00E	soil	<5	0.1
L 1+00N 0+50E	soil	15	0.1	L 8+00N 3+50E	soil	<5	0.1
L 1+00N 1+00E	soil	5	<0.1	L 9+00N 0+50E	soil	<5	0.1
L 1+00N 1+50E	soil	5	<0.1	L 9+00N 1+00E	soil	<5	0.1
L 1+00N 2+00E	soil	10	<0.1	L 9+00N 1+50E	soil	<5	0.1
L 1+00N 2+50E	soil	50	<0.1	L 9+00N 2+00E	soil	<5	0.1
L 1+00N 3+00E	soil	5	<0.1	L 9+00N 2+50E	soil	<5	0.1
L 1+00N 3+50E	soil	20	<0.1	L 9+00N 3+00E	soil	10	0.1
L 1+00N 4+00E	soil	<5	<0.1	L 10+00N 0+50E	soil	<5	0.1
L 2+00N 0+50E	soil	5	0.1	L 10+00N 1+00E	soil	65	0.1
L 2+00N 1+00E	soil	10	0.1	L 10+00N 1+50E	soil	30	0.2
L 2+00N 1+50E	soil	15	0.1	L 10+00N 2+00E	soil	30	0.1
L 2+00N 2+00E	soil	5	0.1	L 10+00N 2+50E	soil	5	0.1
L 2+00N 2+50E	soil	<5	0.1	L 10+00N 3+00E	soil	<5	0.1
L 2+00N 3+00E	soil	<5	0.1	L 10+00N 3+50E	soil	5	0.1
L 2+00N 3+50E	soil	25	0.1	L 10+00N 4+00E	soil	10	0.1
L 3+00N 0+50E	soil	<5	0.1	L 10+00N 4+50E	soil	5	<0.1
L 3+00N 1+00E	soil	<5	0.1	L 10+00N 5+00E	soil	<5	0.1
L 3+00N 1+50E	soil	20	0.1	L 10+00N 5+50E	soil	<5	0.1
L 3+00N 2+00E	soil	5	0.2	L 10+00N 6+00E	soil	<5	0.1
				L 10+00N 6+50E	soil	<5	<0.1
				L 10+00N 7+00E	soil	<5	0.1
				L 10+00N 7+50E	soil	<5	<0.1

INT'L MEMBERSHIP MARKETING INC.

EL CENTRO I - III CLAIMS

ATLIN M.D., B.C.

Soil Geochemistry

HI-TEC RESOURCE MANAGEMENT LTD

SCALE: as shown	N.T.S.: 104N/12E		FIGURE No: 4
DWN. BY:	DATE: Nov./1990		
CHKD. BY:	PROJECT No: 90BC051		FILE No: