ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 92.09.06

ASSESSMENT REPORT 21869 MINING DIVISION: Atlin

PROPERTY: Pictou
LOCATION: LAT 59 34 30 LONG 133 40 00
UTM 08 6604629 575321
NTS 104N12E

CAMP: 053 Atlin Camp

CLAIM(S): Pictou (Mineral Lease 57),Scarab
OPERATOR(S): Connolly, S.
AUTHOR(S): Livgard, E.
REPORT YEAR: 1991, 55 Pages
COMMODITIES
SEARCHED FOR: Gold,Silver
KEYWORDS: Permian,Pennsylvannian,Serpentinites,Andesites,Basalts,Listwanites
WORK
DONE: Drilling,Geochemical,Physical
DIAD 480.8 m 2 hole(s);NQ
ROAD 0.3 km
SAMP 54 sample(s) ;AU,AG
MINFILE: 104N 044

THE PICTOU PROJECT

NTS 104 N/12E

59 34.5' NORTH LATITUDE
133 40' WEST LONGITUDE

UTM: 576500m.E 6605500m.N

OWNER EL CENTRO CLAIMS;

John William Richard Smith
Atlin, B.C.

OWNER MINERAL LEASE 57;

Shirley Connolly
Atlin, B.C.

Operator:

INTERNOVA RESOURCES LTD.
1520 - 609 Granville St., Vancouver, B.C. V7Y 1G5

Writer:

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November 26th, 1991

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1.0 SUMMARY

Mineral Lease 57 (Pictou and Scarab) and the El Centro #I, II, III claims form a contiguous group in the Atlin Mining Division. The mineral lease is in good standing till 2008 subject to annual taxes. Assessment work for one year was filed on the El Centro claims at Atlin on the 6th of September 1991. The claims are located due east of the town of Atlin. The nearest large centre is Whitehorse across the provincial boundary into Yukon. The property lies on the broad flat flood plain of Pine Creek Valley.

The Atlin area has been an active exploration area since placer gold was discovered almost 100 years ago. Several "hardrock" showings have been located such as the Yellow Jacket to the northeast where spectacularly rich gold samples have been located in a geological setting similar to that at the Pictou-Scarab.

The gold in the area is generally located in listwanite - a quartz, carbonate (brucite) and mariposite mixture of altered ultra mafic intrusives and basalt-andesite of the Paleozoic Atlin terrane. The alteration is extensive and at times pervasive suggesting strong hydrothermal activity. Three or four sequences of low temperature epithermal silicification have been indentified. The channal way of the hydrothermal activity is a west dipping thrust zone which apparently has several planes of movement with strikes different to that of the andesite-ultra mafic contact. This structural interpretation would markedly increase the complexity of the geology at the Pictou showing.

Bulldozer site preparation and diamond drilling of four diamond drill holes was carried out during September 1991.

Drill hole #1 was drilled to check a gold-arsenic soil anomaly discovered by Homestake (1988). The hole encountered rock alteration, numerous dykes and associated silicification but no mineralization.

Hole #2 was drilled at the main showing below Homestake hole 88-01. It cut extreme alteration, thrust planes and minor slightly anomalous gold.

Holes # 3 and #4 were drilled 200 m south of the main showing to check a gold-arsenic soil anomaly discovered by Homestake (1988). The holes cut extensive extreme alteration and thrust planes but no gold values of note.

If the new interpretation of the structure is verified (by fence drilling) then it may be possible by considerable additional work, to locate extensions to the Pictou showing. In spite of the above statement no further work is recommended due to its difficulty and considerale cost.

2.0 CONCLUSIONS

The new interpretation of the structure at the Pictou showing, consisting of more than one thrust plane striking at an angle to the strike of the andesite-ultramafic contact, will, if verified, suggest a much more complex geological picture. In order to verify this interpretation the core from Homestake holes 88-01, 88-02 and Internova holes 91 #1, 2, 3, and 4 must be relogged with this in mind. Additional holes would also need to be drilled mainly for structural information. Following the above a structural interpretation should point to exploration targets.

In spite of the desirabililty of the above work, it is not recommended because of its complexity and cost in relationship to its odds for economic success.

3.0 INTRODUCTION

The El Centro I - III claims, located near the village of Atlin, in northwestern British Columbia, partly surround the Pictou property (Mineral Lease No. M57). This Mineral Lease covers a historically documented gold/silver showing in which thin quartz veins hosted in silica-carbonate-mariposite altered ultramafics (listwanite) carry gold and silver values of note.

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 in this drilling.

The writer supervised a diamond drill program on the Pictou claim and logged the core, on instruction of James Hirst, President of Internova Resources Ltd.

The program was carried out from September 1st to 20th, 1991. The drill contractor was E. Caron Diamond Drilling Ltd., Whitehorse. The samples were analysed for gold an silver by Northern Analytical Laboratories, Whitehorse. The drill core is stored with Shirley Connolly, Atlin.

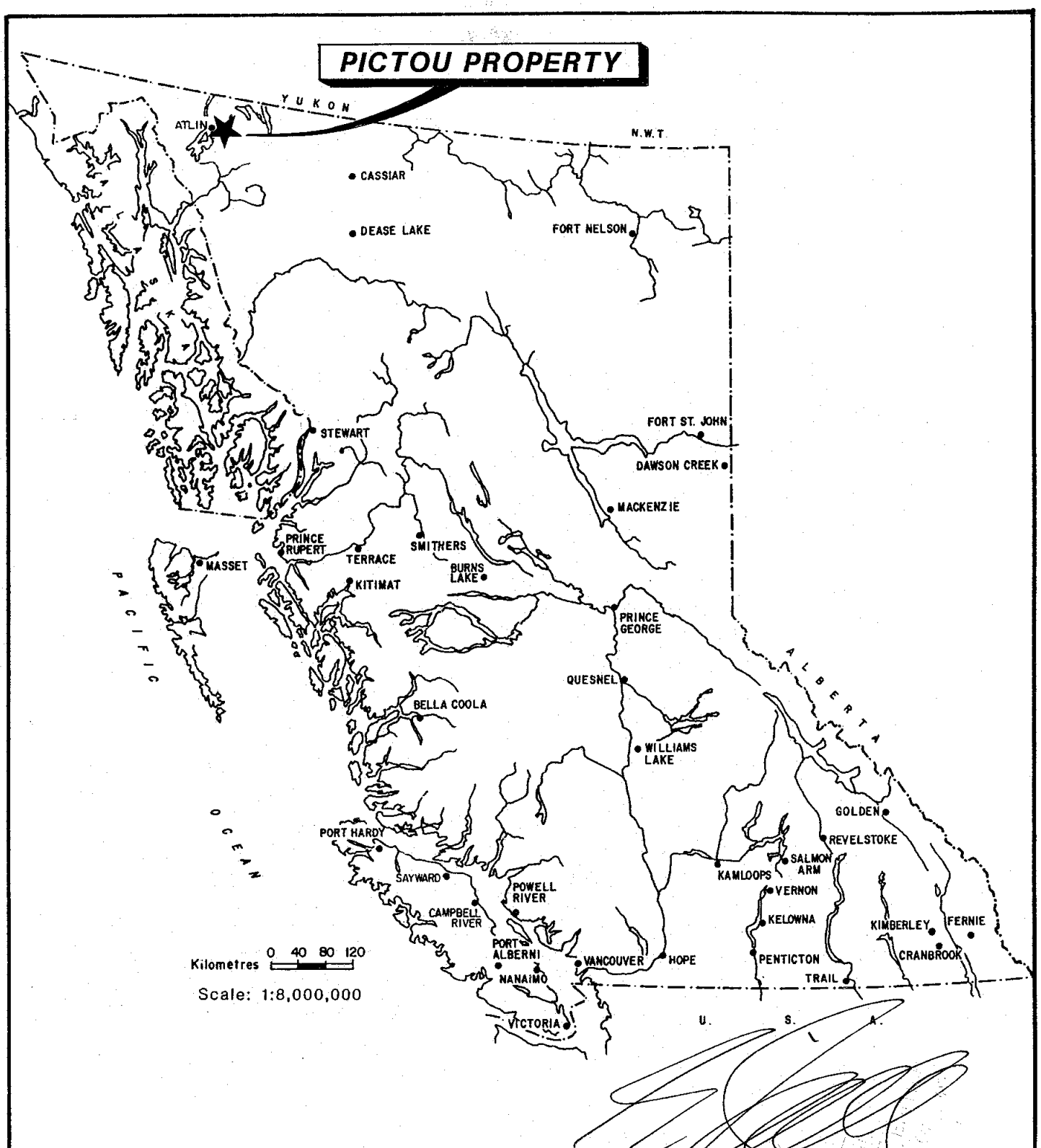
This report is written to fulfill the assessment work requirements regarding work filed at Atlin, B.C. on September 6th, 1991 to keep the El Centro Claims # I, II, III in good standing until September 7th, 1992.

Additional work as described and declared in this report can be filed on the claims until September 7th, 1992.

3.1 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 Internova Resources Ltd. Partly within the boundaries of the El Centro I-III claims is Mineral Lease No. M57 known as the Pictou Property. This Lease is held by Ms. Shirley J. Connolly of Atlin and is under option to Internova Resources Ltd.

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 copy from the Mineral Titles Reference Map 104N/12E.



INTERNOVA RESOURCES LTD.

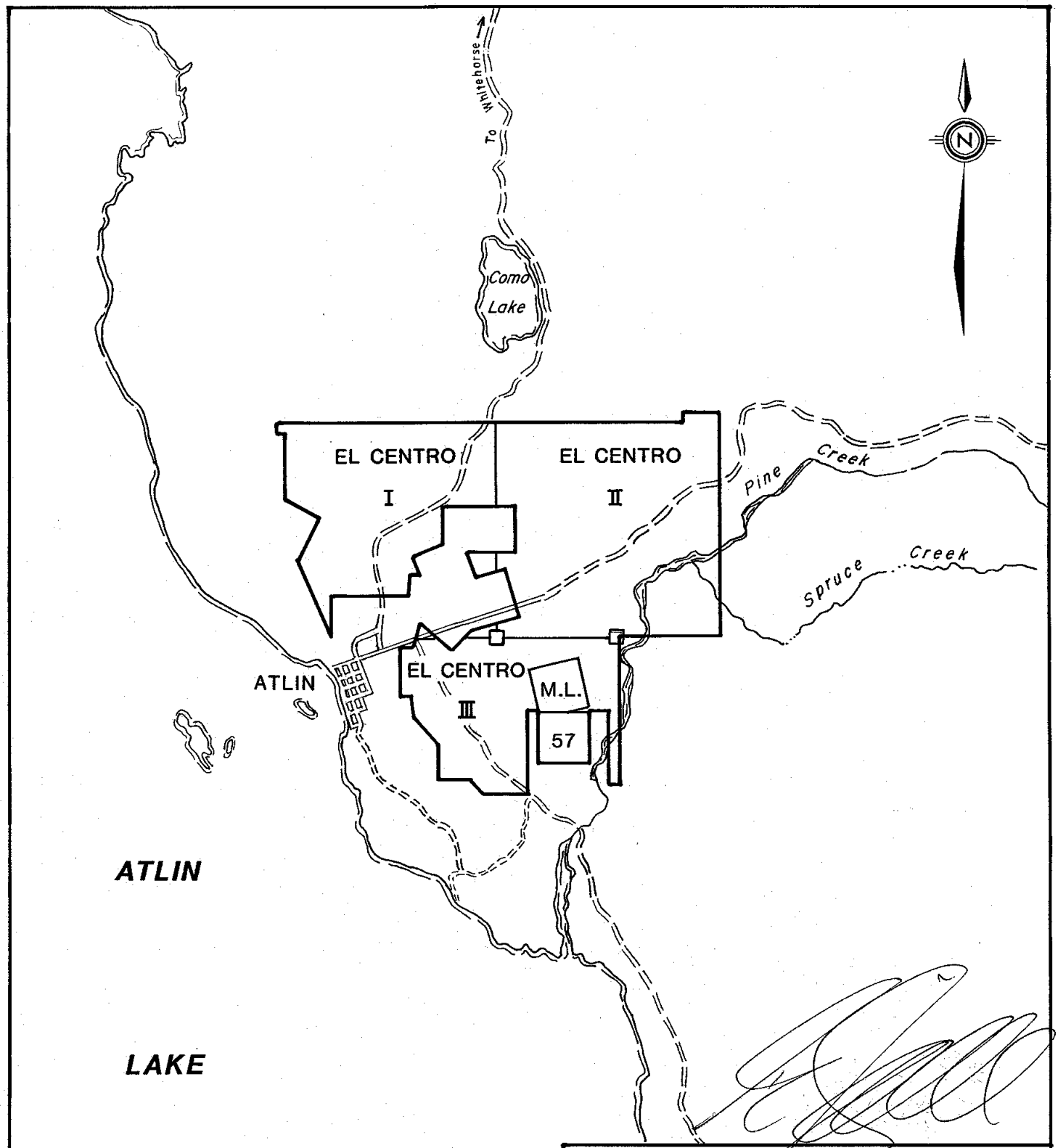
PICTOU PROPERTY

ATLIN MINING DIVISION, B. C.

LOCATION MAP

LIVGARD CONSULTANTS LTD.

DATE:	SCALE:	FIGURE No.
NOVEMBER, 1991	1:8,000,000	1



INTERNOVA RESOURCES LTD.

PICTOU PROPERTY

ATLIN MINING DIVISION, B. C.

CLAIM MAP

LIVGARD CONSULTANTS LTD.

DATE:	SCALE:	FIGURE No.
NOVEMBER, 1991	1: 50,000	2

Relevant claim data is listed below:

Claim Name	Record	No. of Units	Rec. Date	Exp. Date	
El Centro I	3675	16	07/Sep/89	07/Sep/92	(Pending acceptance of this assessment report)
El Centro II	3676	16	07/Sep/89	07/Sep/92	
El Centro III	3677	16	07/Sep/89	07/Sep/92	

None of the legal corner post locations have been verified by the writer.

The Pictou and Scarab Property consists of two contiguous reverted Crown Grants L5643 and L5644 both of which were located in 1933. Both claims were brought to lease in 1966 as Mining Lease 32. In 1987 the Lease was renewed by Homestake Mineral Development Co. Ltd. on behalf of the owner, Mrs. Shirley J. Connolly. Details of the property are outlined below:

Claim Name	Record No.	Lot No.	Registered Owner
Pictou	ML57	5643	Shirley J.
Scarab		5644	Connolly

The property is in good standing, pending payment of taxes until 2008.

The Mineral Lease is located within the Atlin Mining Division and comprise 101.8 acres.

On July 15, 1990 Internova Resources Ltd. entered into an agreement with Shirley Connolly. Internova has an option to purchase 100% in the property subject to a 2% net smelter return royalty.

3.2 Location and Access

The claims are located due east of the Town of Atlin, in northwestern B.C. They are within the Atlin Mining Division on Map Sheet 104N/12E and are centered at approximately 59° 34' N. Lat., 133° 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 claims. A full range of support services is available in Whitehorse, which is approximately two hours travel time away via the main road.

3.3. Topography, Climate and Vegetation

The Property lies 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. Less than 10% of the ground is rock outcrop.

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.

3.4 Exploration History

The Atlin Camp has been an active area of exploration since the initial Atlin gold rush of 1899. The hard rock exploration has located a number of gold deposits. The Yellow Jacket showing to the northeast sits in a geological setting similar to that at the Pictou-Scarab Mineral Lease. Some very spectular gold showings and intersections have been obtained at and in the vicinity of the Yellow Jacket. A large amount of diamond drilling by Homestake in the last few years has encountered numerous gold intersections but these intersections are, however, very scattered. Most of the work on the property in question has been conducted on the Pictou-Scarab property.

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

Mineralization was fist written up 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 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.

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, 1990).

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. Feldspar prophyry dykes and andesites were noted in places (McIvor, 1989).

The geochemical sampling in 1987-88 yielded three soil anomalies. One of these surrounded the main showing.

The magnetic survey was useful in indicating differentiation between listwanites and serpentinites. No sulphides were detected and the VLF survey gave no useful results.

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 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-angel, westward-dipping contact between the ultramafics and the underlying andesites trending north northeast up the Pine Creek Valley. The 1990 soil sampling programme was designed to cross this trend. The survey gave scattered low values.

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, in the altered zone. The two rotary holes drilled to follow up other 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 at the main Pictou showing. Both holes encountered this contact but returned no anomalous assays (McIvor, 1989).

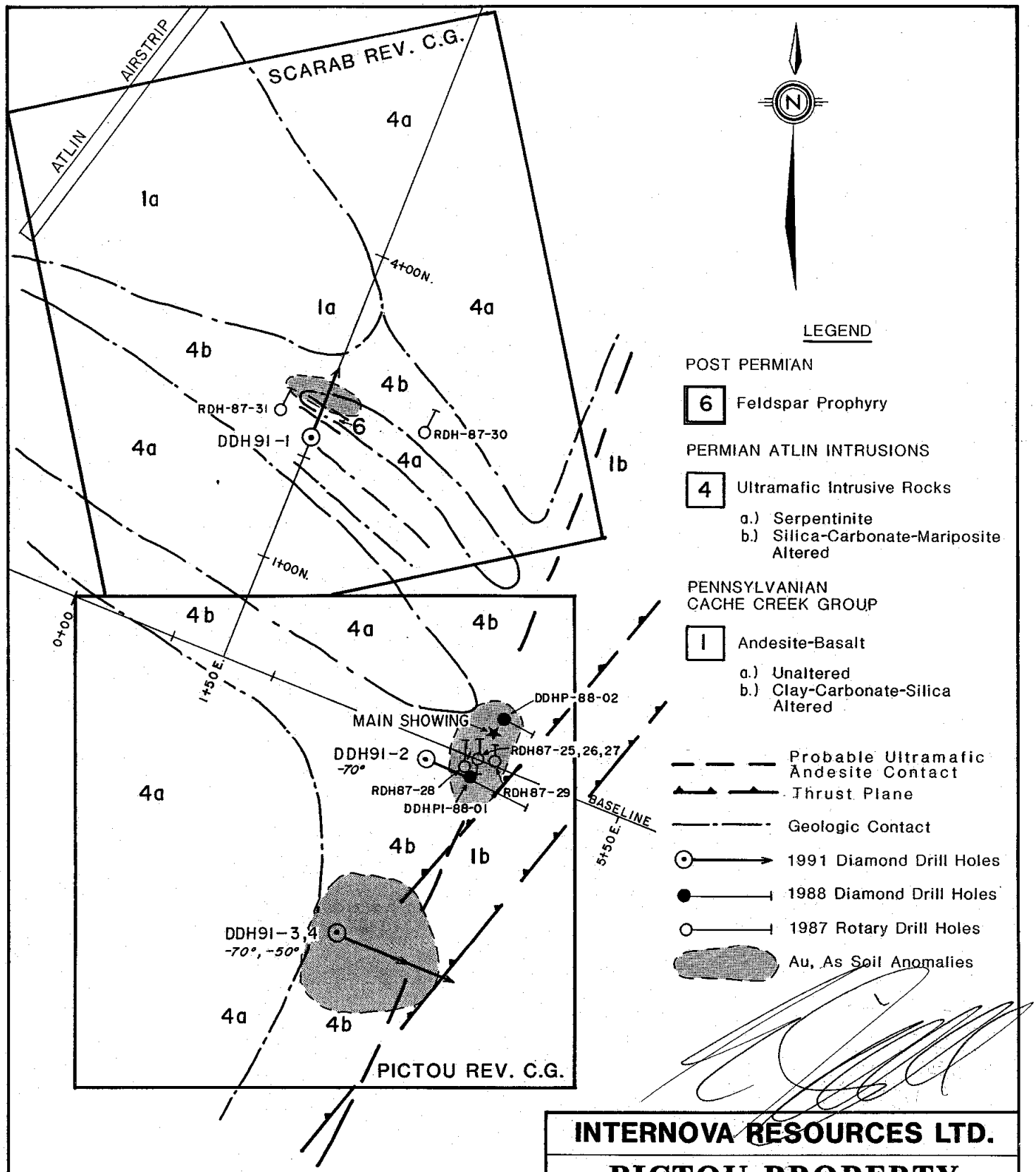
Subsequent to Homestake's work, the El Centro I-III claims were staked to partly surround the Pictou property. The claims and the Pictou property were then optioned by Internova Resources Ltd.

4.0 GEOLOGY

4.1 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. There are several Late Jurassic to early Tertiary granitic plutons intruding the package. Minor Tertiary volcanics and sediments occur in places (McIvor, 1988).



INTERNOVA RESOURCES LTD.

PICTOU PROPERTY

ATLIN MINING DIVISION, B. C.

GEOLOGY AND DRILLHOLE LOCATIONS

LIVGARD CONSULTANTS LTD.

DATE:	SCALE:	FIGURE No.
NOVEMBER, 1991	1: 5000	3

Also with the Atlin Terrane are several Permian ultramafic intrusives. These ultramafics are altered to either serpentinites or listwanites. 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 that 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 predominatley in quartz and quartz-carbonate veins and vein stockworks associated with the hydrothermal alteration and consist of either free gold or gold in conjunction with pyrite, galena, sphalerite, tetrahedrite, arsenopyrite, chalcopyrite or pyrargyrite (McIvor, 1989).

4.2 Property Geology

The Pictou-Scarab Mineral Lease 57 and the El Centro I, II and III claims are located in the ultramafic rocks of the Atlin Terrane.

A zone of listwanite alteration lies near the east border of the Mineral Lease. The altered zone has a long dimension of several kilometres and the width is from 100 to more than 200 metres. The strike appears to be 020° and the dip is about 54° to the west. The approximate centre of the zone is a contact between the ultramafics to the west (hanging wall) and andesitic volcanics to the east. It has been suggested that the contact is a thrust fault. The writer noted only minor indication of faulting such as fault gouge and slickensides at and near the contact. The possible fault indications may however, have been largely obliterated by listwainte alteration. The writer suggests however, that the thrust sheet(s) lie(s) below the contact and are independent of the contact with different strike(s) and dip(s). The listwanite alteration consists of serpentine-serpentine and carbonate (including brucite) - carbonate, silica -carbonate and silica and marposite/fuchsite in order of increasing intensity.

There appears to be a series of silicification events as follows:

Grey silica, very fine grained at times pervasive without pyrite - brecciation - white vuggy quartz with fine crystals and minor pyrite and grey quartz veins - brecciation and/or fracturing - glassy quartz stringers (may belong to the previous event) chalcedonic and (later?) light blue opaline silica.

The carbonate is invariably cream coloured fine grained, and at times it has a green cast probably from serpentine and at other times a brown cast probably from sericite. Most of the time the carbonate has flecks of marposit/fuchsite.

The only sulphides identified in the drill core was pyrite which occurs with the middle silicification event, pyrphotite and minor chalcopyrite which is found disseminated and in streaks with the andesite and in addition near surface in drill holes #3 and #4 marchasite and (doubtfully) cinnabar was identifed (200m south of the Pictou showing).

The Pictou showing has given occasional high gold and silver values in blue quartz which may contain minor galena, sphalerite, arsenopyrite, chalcopyrite and a silver bearing sulphide. These minerals were not identified in the drill core other than minor chalcopyrite noted in serpentinized andesite.

The deposits and alterations are either - "CO_2-Ca metasomatism of serpentinized ultramafics by mesothermal fluids" (ore deposits, tectonics and metallogeny in the Canadian Corillera - MDRU 1991). "- with an epithermal overprint -" (The Geology of the Atlin area. Mary Anne Bloodgood & Kim A. Belle Bontain) or "- is derived from serpentine by hydrothermal alteration and is composed principally of silica (quartz, chalcedony, opal) and magnesite. Often the alteration occurs adjacent to shear zones and is closely associated with thermal springs ---. Cinnabar is the only ore mineral associated with this type of deposit. It is accompanied by native mercury metacinnebar, pyrite, stibnite and marcasite. (Hydrothermal alteration for mineral workshop. University of Idaho. 1991 Peter L. Siews).

There appears to be some difficulty in classifying the Pictou deposit.

In any case increased gold-silver grades if they are to occur should be located at higher temperatures, in thrust horsts at depth. Perhaps a continuation of the Pictou showing may be found in the horst to the east (under laying) at an unknown depth below the showing. A large number of dykes were intersected in the drilling. Most of these are feldspar prophyry dykes with a very fine grained grey groundmass and white feldspar phenocryst with blurred outlines. Strong silicification of the wall rock is associated with these dykes. Other dykes are diabase which occasionally are strongly altered and minor lamprohyre dykes.

5.0 DIAMOND DRILL PROGRAM

Four drill sites were prepared by Connolly Enterprises Ltd. using a large D6 bulldozer. Only about 200m additional road was required to access the drill sites. Most of this work was completed between the first and 6th of September 1991.

The diamond drillers, E. Caron Diamond Drilling Ltd., Whitehorse, moved in on September the 5th and commenced drilling on the 6th of September. The drill used was a B.B. 38 and the core size drilled was NQ 4.76 cm diameter. Four holes were drilled as follows:

Hole #	Collar Location*	Azimuth	Dip	Depth
91 #1	1+5E, 2+10N	020°	-50°	122.5m
91 #2	3+60E, 0+18S	110o°	-70°	147.9m
91 #3	3+45E, 2+00S	110°	-70°	93.0m
91 #4	3+45E, 2+00S	110°	-50°	117.4m

* The drill holes were located using the grid emplacement by Homestake in 1987 for use in their geophysical surveying.

The total footage drilled was 480.8 metres. The core was taken in to Atlin where the writer logged it and sampled sections of interest. Very low values were encountered. The best analysis was obtained in hole 91#2 near the main showing near the bottom of the hole (137.2m to 138.2m - possible thrust plane). One metre here gave 17.0 PPM (grams per tonne) in silver and 314 PPb (0.314 grams per tonne) in gold.

Hole 91#1 was drilled to cut across an area where Homestake had mapped alteration and obtained anomalous values in arsenic and gold.

The hole intersected altered andesite and altered ultramafic rocks (listwainte). These rocks were cut by some 15 dykes, mainly feldspar prophyry in the space of the 122 metre depth of the hole. Very strong silicification of the wall rock accompanied the feldspar prophyry dykes. Little sulphides were noted. Minor pyrite occurred throughout. Minor pyrphyotite and chalcopyrite was noted in the altered andesite.

Hole 91#2 was drilled to cut part of the main surface showing below Homestake 1988 diamond drill hole 01.

The hole intersected much alteration and silicification below the main showing at vertical depths of about 60 to 100 metres. The gold and silver values were uniformaly low. The highest gold value was 49 parts per billion, and no silver value was over 1/10 part per million. The andesite-ultramafic contact was intersected at somewhere between 65m and 71 metre. The contact was also identified in hole 88.01 (Homestake core logs) at a depth of about 28 metres. This give a 54° westerly dip to the ultramafic-andesite contact assuming a 020° (Azim) strike of the contact as interpreted by geological surface mapping (Homestake, 1988).

Holes 91#3 and #4 are located 200 metres south of the main Pictou surface showing. The holes were drilled at 110° (azim) hole #3 dipping at 70° and hole #4 dipping at 50°. The holes were drilled to cut through a large gold-arsenic soil and rock chip anomaly outlined by Homestake (1988). The holes cut very extensive and intensive listwainte alteration both in the ultramafic and the underlaying andesite. The contact is the same as that identified in holes near the main showing.

Gold and silver values were uniformaly low. The highest gold value, 254 PPb, was obtained in a grey-black quartz vein (possible thrust plane).

6.0 INTERPRETATION

At a depth of 137 to 138 metres in hole 91#2 the values were 314 PPb gold and 17 PPm silver. The writer in logging this zone designated it "quartz vein" and described it as white, grey and black quartz cutting the core axis at 60°.

On constructing drill hole sections it was noted that several of these "black quartz" zone line up. Features such as (sub rounded) fragments in the "black quartz" suggest that these zones may be mylonized, silicified thrust sheets.

A possible thrust zone at 137-138m in hole 91#2 lying at 60° to the core axis corresponds to a zone in Homestake hole 88-01 from 88 to 90.6 metres which is described as brecciated graphic chert and foliation 60° to core axis.

Another possible thrust zone may lie at 98.5 - 99.2m in hole 91#2 and correspond to a zone described as graphitic chert in Homestake hole 88-01 or alternatively curve (convex upward) to intersect hole 88-01 at the andesite-ultramafic contact (28m).

In hole 91#3 possible thrust zones may lie at 36m and 90m and correspond to zones at 34m and 83-87m in hole 90#4.

The thrust zone intersections were projected to surface but will give an uncertain location due to the unknown curvature of the zones. From this surface projection it appears that the strike of the possible thrust zones is about 040° (azim) and dip 40° to 50° and maybe up to 70° northwesterly.

If this is correct the geology of the Pictou area may be much more complex than previously realized.

E. Livgard
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Vancouver, B.C.
November 26, 1991

7.0 BIBLIOGRAPHY

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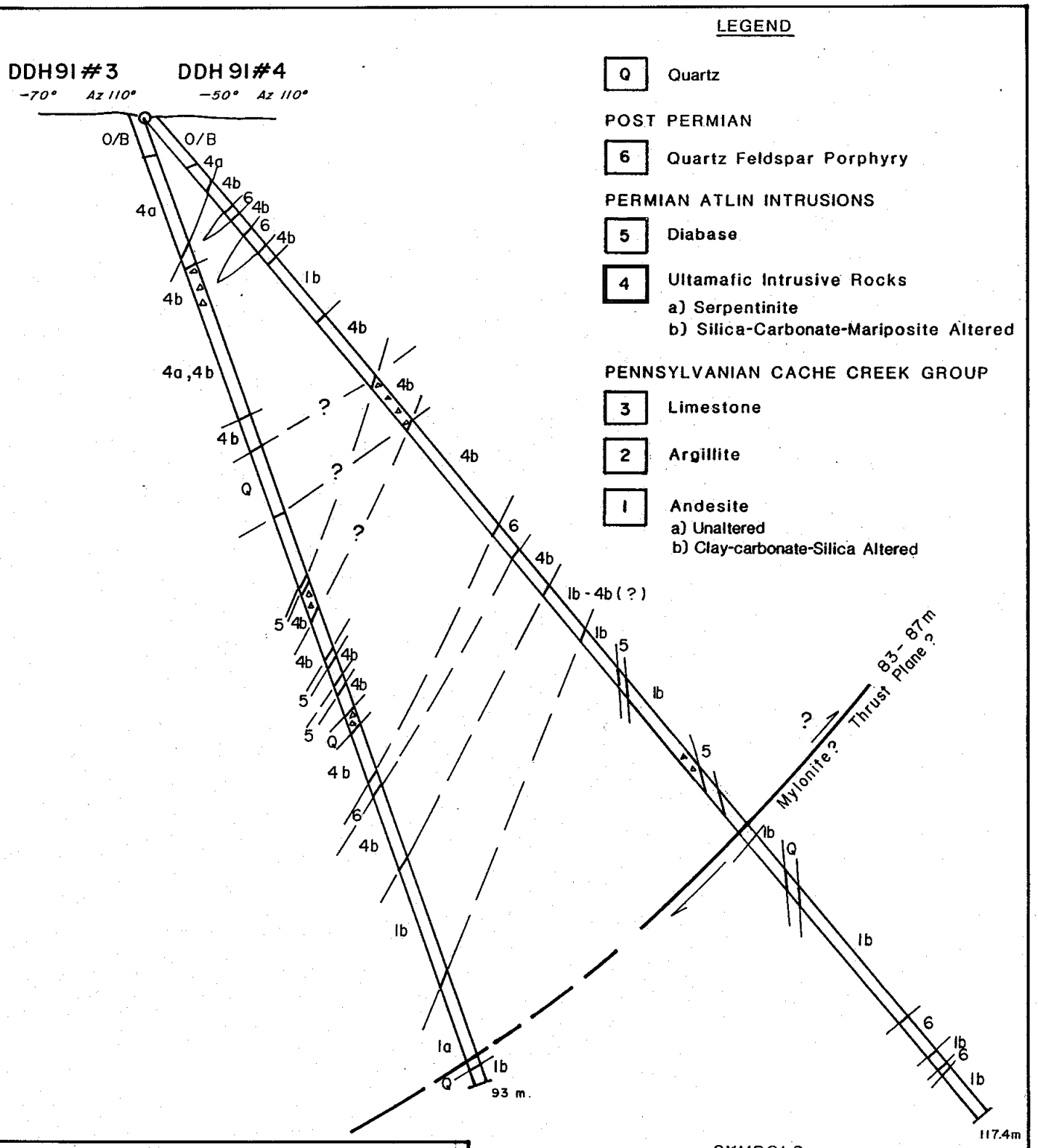


LEGEND

Q Quartz

POST PERMIAN

6 Quartz Feldspar Porphyry

PERMIAN ATLIN INTRUSIONS

5 Diabase

4 Ultamafic Intrusive Rocks
a) Serpentinite
b) Silica-Carbonate-Mariposite Altered

PENNSYLVANIAN CACHE CREEK GROUP

3 Limestone

2 Argillite

1 Andesite
a) Unaltered
b) Clay-carbonate-Silica Altered

SYMBOLS

Fault

Breccia

Contact

Interpreted Thrust Plane

METRES
0 10 20

INTERNOVA RESOURCES LTD.

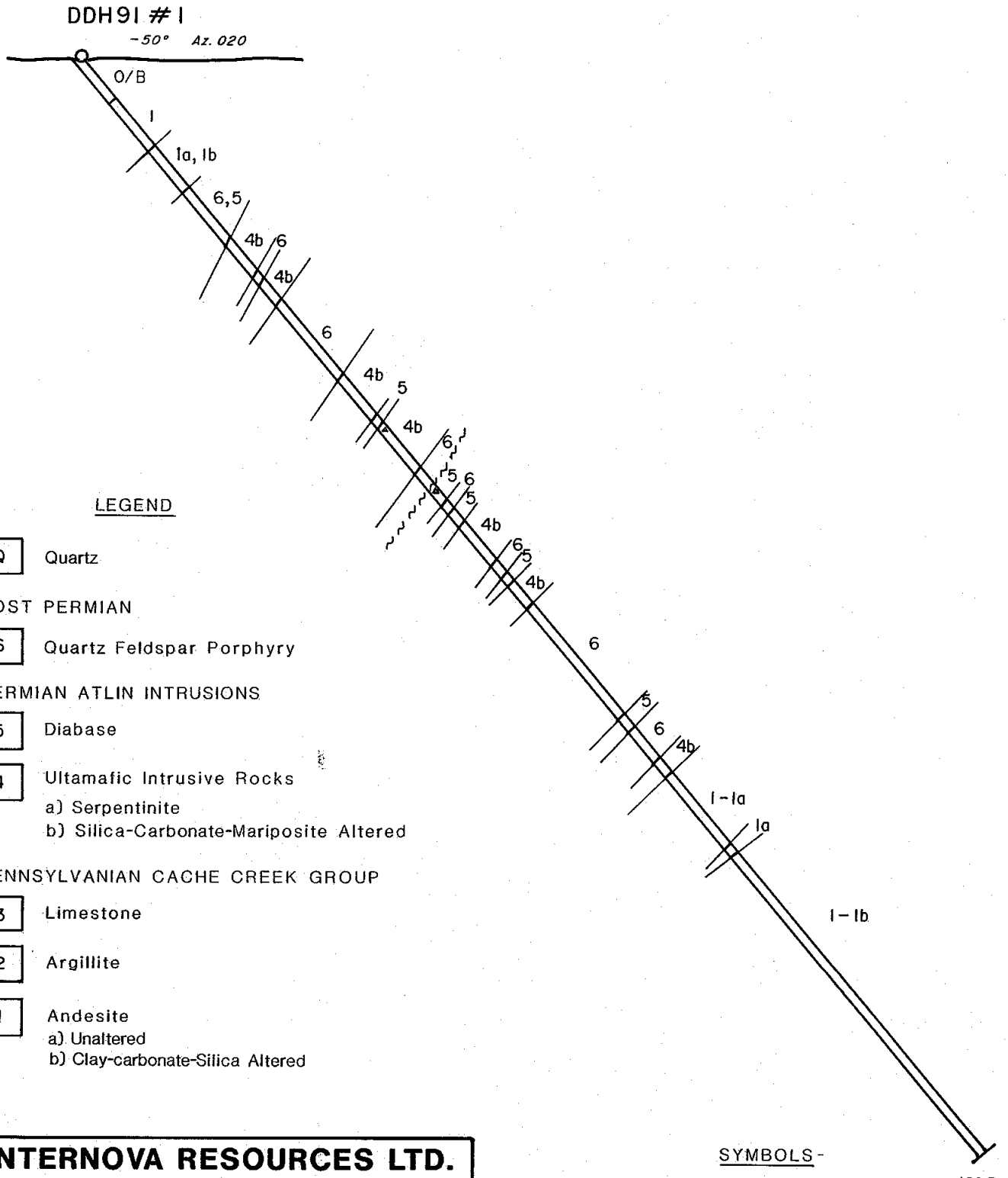
PICTOU PROPERTY

ATLIN MINING DIVISION, B. C.

DRILL SECTIONS DDH 91#3 & DDH 91#4

LIVGARD CONSULTANTS LTD.

DATE:	SCALE:	FIGURE No.
NOVEMBER, 1991	1:500	6



LEGEND

Q	Quartz

POST PERMIAN

6	Quartz Feldspar Porphyry

PERMIAN ATLIN INTRUSIONS

5	Diabase
4	Ultamafic Intrusive Rocks a) Serpentinite b) Silica-Carbonate-Mariposite Altered

PENNSYLVANIAN CACHE CREEK GROUP

3	Limestone
2	Argillite
1	Andesite a) Unaltered b) Clay-carbonate-Silica Altered

SYMBOLS-

Fault

Breccia

Contact

Interpreted Thrust Plane

METRES 0 10 20

INTERNOVA RESOURCES LTD.

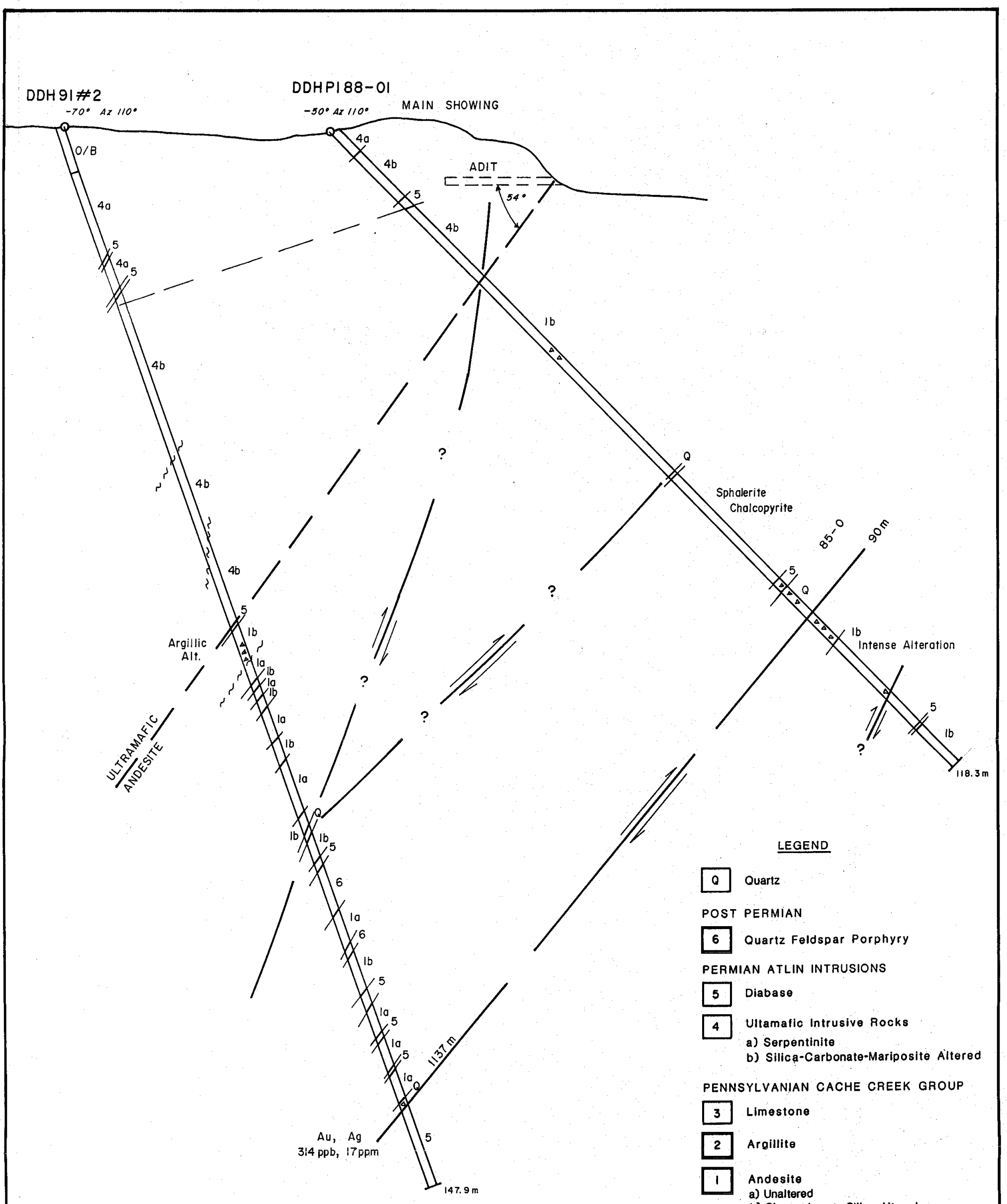
PICTOU PROPERTY

ATLIN MINING DIVISION, B. C.

DRILL SECTION DDH 91#1

LIVGARD CONSULTANTS LTD.

DATE:	SCALE:	FIGURE No.
NOVEMBER, 1991	1 : 500	4



INTERNOVA RESOURCES LTD.

PICTOU PROPERTY

ATLIN MINING DIVISION, B. C.

DRILL SECTIONS

DDH 91#2 & DDH PI 88-01

LIVGARD CONSULTANTS LTD.

DATE:	SCALE:	FIGURE No.
NOVEMBER, 1991	1:500	5

Northern Analytical Laboratories ltd.

September 18,1991 Work Order # 13402

Egil Livgard
Internova
Suite 438 - 470 Granville St.
Vancouver, B.C.

Assay Certificate For Samples Provided

Sample #	Au ppb	Ag ppm		
9615	289	<0.1	D.D.H 9/#3	72.3-75.8m
9616	24	<0.1	"	75.8-76.8m
9617	12	<0.1	"	76.8-79.8m
9618	11	<0.1	"	79.8-82.3m

Certified by C Hykki

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

September 11, 1991 Work Order # 13380

Inter Nova.
Livgard Consultants
Suite 436 - 470 Granville St.
Vancouver, Yukon

Assay Certificate For Samples Provided

Sample #	Au ppb	Ag ppm	
49261	>6000*	1658.0*	SELECTED SAMPLE MAIN SHOWING
49262	244	18.1	QUARTZ-PYRITE FROM SURFACE AT HOLE 90#1

*Recomend fire asssay gravimetric

Certified by CHyork

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

September 18,1991 Work Order # 13400

Egil Livgard
Internova
Suite 438 - 750 Granville St.
Vancouver,B.C.

Assay Certificate For Samples Provided

Sample #	Au ppb	Ag ppm		
49263	25	0.9	D.D.H # 91#1	10.7 - 11.4 m
49264	11	1.0	"	19.8 - 20.9 m
49265	21	1.1	"	50.2 - 50.9 m
49266	12	1.0	"	79.2 - 80.0 m
49267	5	0.7	"	86.0 - 87.7 m
49268	10	0.4	"	88.6 - 90.3 m
49269	11	0.5	"	101.8 - 103.4 m
49270	7	0.4	"	106.4 - 108.7 m
49271	6	0.3	"	112.5 - 113.7 m
49272	9	0.9	91#4	9.8 - 11.1 m
49273	16	0.8	"	11.1 - 12.5 m
49274	<5	0.9	"	12.5 - 14.3 m
49275	5	0.9	"	30.3 - 31.9 m
49276	8	4.1	"	31.9 - 33.2 m
49277	32	3.2	"	33.2 - 36.0 m
49278	7	0.9	"	50.8 - 52.7 m
49279	254	1.2	"	52.7 - 54.4 m
49280	7	0.9	"	54.4 - 56.9 m
49281	32	0.7	"	56.9 - 57.4 m
49282	16	1.1	"	57.4 - 58.5 m
49283	51	1.1	"	58.5 - 60.4 m
49284	10	0.7	"	65.7 - 66.3 m
49285	16	0.9	"	74.2 - 77.1 m
49286	12	0.9	"	85.4 - 87.8 m
49287	52	1.2	"	87.8 - 89.3 m

Certified by C Hyatt

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Vancouver,B.C.

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Sample #	Au ppb	Ag ppm		
49288	33	0.9	D.D.H 91#4	89.3 - 91.5 m
49289	44	1.1	"	92.2 - 94.4 m
49290	24	1.0	"	102.1 - 104.3 m
49291	10	0.7	"	104.3 - 105.8 m
49292	11	0.8	" 91#3	14.6 - 17.1 m
49293	23	0.3	"	17.1 - 18.6 m
49294	19	0.7	"	18.6 - 19.8 m
49295	22	1.0	"	32.0 - 35.1 m
49296	148	6.6	"	46.6 - 48.0 m
49297	43	1.7	"	57.0 - 58.7 m
49298	109	6.4	"	58.7 - 60.7 m
49299	53	2.3	"	60.7 - 62.3 m

Certified by C. Hrynkiw

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September 26,1991

Work Order # 13428

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Vancouver, B.C.
V6C 1V5

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Sample #	Au ppb	Ag ppm		
9619	<5	<0.1	D.D.H #91#2	215 - 222'
9620	49	<0.1	"	222 - 226'
9621	39	<0.1		226 - 233
9622	<5	<0.1		234 - 244
9623	<5	<0.1		244 - 246
9624	<5	<0.1		246 - 252
9625	11	<0.1		265 - 272
9626	10	<0.1		285 - 294 1/2
9627	35	<0.1		303 1/2 - 313 1/2'
9628	9	<0.1		313 1/2 - 320'
9629	314	17.0		450 - 453'

Certified by C Hykkl

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DRILL HOLE No. 90#1

PAGE 1 OF 1 LOGGED BY E. LIVGARD

SCARAB

TICTOU (M57)

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION 1+50E, 2+40N AZIMUTH 020° DIP -50° ELEVATION _____ DEPTH 122.5 CORE SIZE NQ

HOMESTAKE'S 1988 GEOPHYSICS GRID

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ~~ozt~~ PPm	Pb %	Zn %	Au PPb
0	4.3		OVERBURDEN								
4.3	10.7		ANDESITE - PATCHY GREY-BLACK, GREY PROBABLY FELDSPAR PHENOCRYSTS WITH BLACK RIMS. FRACTURING EVERY 5 TO 10 CM MOSTLY SEALED WITH CARBONATE GENERALLY AT 5° TO 60° TO CORE 30% SERPENTIZATION MAINLY NEXT TO FRACTURES — INCREASING TOWARD CONTACT.								
10.7	14.8		CARBONATIZED ANDESITE FROM CONTACT 0.5 M OF PATCHY GREY-GREEN CARBONATE WITH SOME SERPENTINE. CRUDE STRATIFICATION 32° TO CORE (STREAKES OF DARK GREEN MAFIC MINERALS)								
		10.7-11.4	AT 10.7 5cm GRUGE AND SMALL FRAGMENTS FRACTURE SURFACE 45° TO CORE 50% WHITE QUARTZ 15cm BRECCIATION WITH CARBONATE FILLING FINE SPECKS OF MAGNETITE IN THE CARBONATE BRECCIA FRAGMENTS OF GREY SILICIFICATION AND WHITE QUARTZ. FINE PYRITE DISSEMINATED AND ON FRACTURES MAINLY WITH WHITE QUARTZ SOME MOVEMENT 75 TO 90° TO CORE MINOR LIGHT BLUE OPALINE SILICA CROSSING GREY SILICIFICATION AND WHITE QUARTZ.	49263	10.7	11.4	0.7m	0.9			25
14.8	15.2		DYKE - HOMOGENIOUS LIGHT GREY GROUNDMASS WHITE FELDSPAR PHENOCRYSTS AND GREEN FLECKS								

DRILL HOLE No. 91#1

PAGE 2 OF 7 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag PPM ~~OZ/T~~	Pb %	Zn %	Au PPb
15.2	15.7	Dyke CRUDE STRATIFICATION OF LIGHT GREY FELDSPAR AND DARK BLACK-GREEN MAFICS MINOR QUARTZ WITH SPECKS OF PYRITE. CONTACT AT 45° TO CORE								
15.7	18.0	Dyke (AS 14.8-15.2) - LITTLE GREEN FLECKS								
		15.7-15.8 CARBONATE - QUARTZ - SPECKS OF PYRITE								
18.0	20.9	ALTERED ULTRA~~BASIC~~ CARBONIZATION WITH 20% QUARTZ INCREASES FROM 40% TO 80% - SERPENTINE GOES FROM 60% TO 20%								
		19.8-20.1 MOVEMENT WITH QUARTZ STRINGERS 80° TO CORE CROSS-CUTTING HAIRLINE FRACTURES	49264	19.8	20.9	1.1m	1.0			11
		20.1-20.9 10-15% MARIPOSITE - PATCHES AND STRINGERS OF OF WHITE QUARTZ INCREASING TO 20%								
20.9	21.6	Dyke (AS 14.8-15.2)								
		AT 21.6 MINOR SHEARING - MINOR MARIPOSITE SMALL STREAKS OF PYRITE								
21.6	22.6	ALTERED ULTRA~~BASIC~~ (AS ABOVE)								
		22.3-22.6 SEALED FRACTURING AT CONTACT AND IN DYKE 1% Py - 20% QUARTZ - BLACK MINERAL (SPHALERITE?) MARIPOSITE 20%								
22.6	22.9	Dyke (AS ABOVE)								
		AT 22.9 FRAGMENTS OF QUARTZ, MARIPOSITE, 2% PYRITE AND ?SPHALERITE?								

DRILL HOLE No. 91#1

PAGE 3 OF 7 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %	
22.9	24.4		ALTERED ULTRA ~~BASIC~~ (AS ABOVE) MINOR MARIPOSITE								
			MINOR SEARED FRACTURES 30° TO CORE								
			CONTACT AT 60°								
24.4	25.2		DYKE (AS ABOVE)								
25.2	27.4		ALTERED ULTRA ~~BASIC~~ - CARBONATE, 30% QUARTZ WHITE WITH VUGGS, 10-15% MARIPOSITE.								
		25.2-25.7	SHEARING 55° TO CORE MINOR PYRITE								
		25.7-27.4	INCREASING SILICIFICATION - QUARTZ VEINS, 1mm WITH BANDING PYRITE - CRISS-CROSSING 25 TO 55° TO CORE 1-2% PYRITE.								
27.4	35.5		DYKE								
		27.4 28.5	VERY FINE GRAINED, FRACTURED AND BRECCIATED TIGHTLY SEALED MINOR FINE QUARTZ PHENOCRYSTS								
		28.7-35.5	MUCH FELDSPAR PHENOCRYSTS up to 5mm SIZE BLOTCHY GREY FAINT GREENISH CORE WITH 1/4% DISSEMINATED PYRITE.								
			FRACTURING EVRY 2-30cm 30° TO CORE SEALED WITH CARBONATE AND QUARTZ AND SLIVERS OF PYRITE.								
			CONTACT 75° TO CORE								
35.5	40.4		ALTERED ULTRA ~~BASIC~~ 60% CARBONATE 40% SERPENTINE, MINOR QUARTZ, NO MARIPOSITE TO 38m								
		38.1-42.7	10% MARIPOSITE, WEAK STRATIFICATION 40° TO CORE								
		38.7-40.4	INCREASING MARIPOSITE TO 20%, A FEW STREAKS OF QUARTZ-CARBONATE STAINED WITH HEMATITE 60-70° TO CORE								

DRILL HOLE No. 91 #1

PAGE 4 OF 7 LOGGED BY _____

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DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %	
		AT 39.6 GREY QUARTZ WITH PYRITE AND HEMATITE STAIN 70° to CORE – OFFSET 2-3 cm BY 2-3 cm WHITE AND GLASSY QUARTZ STRINGERS WITH CAVITIES AND OXIDE 25° to CORE.								
		AT 40.0 ~~BRECCIA~~ (4 cm) WITH SILICA CEMENT CONTACT 30° to CORE								
40.4	41.2	DYKE – BLOTCHY GREY, LIGHT GREEN, DARK GREEN VERY FINE GRAINED DIA~~BASE~~(?) LAST 30 cm BLEACHED								
		AT 41.2 10 cm GOUGE								
41.2	44.8	ALTERED ULTRA~~BASIC~~ – CARBONATE HIGHLY SILICIFIED, 15% MARIPOSITE, PARTLY BRECCIATED								
		41.9-42.4 STRONGLY BRECCIATED WITH GREY SILICA CEMENT								
		43-44.8 AS ABOVE WITH ~~CRUDE~~ STRATIFICATION 35° to CORE.								
		AT 43.9 2 cm QUARTZ-CARBONATE STRINGER CROSSING STRATIFICATION 25° to CORE								
44.8	45.6	ALTERED ULTRA~~BASIC~~ – INCREASING TO TOTAL SILICIFICATION, – LIGHT GREY WITH MINOR PYRITE THEN LIGHT BLUE (CHALCEDONIC) OPALINE FOLLOWED BY PART BRECCIATION AND CRISS-CROSSING WHITE, VUGGY, BARREN QUARTZ.								
45.6	47.3	DYKE – LIGHT GREY DENSE WITH WHITE FELDSPAR PHENOCRYSTS – HAIRLINE QUARTZ EVERY FEW cm AT 55° to CORE.								
47.3	49.9	BRECCIA – CARBONATE, MARIPOSITE, DYKE FRAGMENTS SOME SILICIFICATION, FRACTURES 55° to CORE								

DRILL HOLE No. 91#31

PAGE 5 OF 7 LOGGED BY _____

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DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ppm ~~ozt~~	Pb %	Zn %	Au PPb
47.9	50.3	Dyke - BROTCHY CREAM, GREY, REDDISH VERY FINE GRAINED HOMOGENIOUS CRISS-CROSSING QUARTZ-CARBONATE HAIRLINE STRINGERS THROUGHOUT. VERY FINE VERY MINOR BLACK SPECKS.								
50.3	50.9	ALTERED ULTRABASIC - MAINLY QUARTZ, 5-10% MARIPOSITE, 2% PYRITE MAINLY WITH THE MARIPOSITE IN STREAKS 25 TO 30° TO CORE CONTACT 45° TO CORE	49265	50.2	50.9	0.7m	1.1			21
50.9	52.1	Dyke - DENSE, BROTCHY CREAM, GREY, SPECKS OF BRIGHT GREEN (FUCHSITE?), CRISS-CROSSING QUARTZ-CARBONATE STRINGERS								
52.1	56.1	ALTERED ULTRABASIC - MAINLY CARBONATE WITH MINOR MARIPOSITE, SOME QUARTZ MAINLY NEAR CONTACTS. FINE MAGNETITE THROUGHOUT MINOR SCATTERED PYRITE.								
		53.6-53.8 Dyke HOMOGENIOUS GREY 10° TO CORE - BRECCIATED								
56.1	57.2	Dyke - LIGHT GREY, CRYPTOCRYSTALLINE VERY FINE GRAINED FELDSPAR PHENOCRYSTS MINOR GREEN FLECKS								
57.2	58.2	Dyke - VERY FINE GRAINED HOMOGENIOUS, BLOTCHY REDDISH, CREAM, GREENISH, MUCH CRISS-CROSSING FRACTURING SEALED WITH QUARTZ AND CARBONATE								
58.2	61.3	ALTERED ULTRABASIC 60% CARBONATE, 40% SERPENTINE								
		AT 58.5 10cm REDDISH Dyke NEAR CONTACT 0.3m STRONG SILICIFICATION WITH GREY QUARTZ, SPECKS OF PYRITE								

DRILL HOLE No. 91 #1

PAGE 6 OF 7 LOGGED BY _____

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DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ppm ~~ozA~~	Pb %	Zn %	Au PPb
61.3	73.8	DYKE - LIGHT GREY, CRYPTOCRYSTALLINE MUCH FELDSPAR PHENOCRYSTS, MINOR FRACTURING 25° TO CORE.								
		At 68.0 MINOR BRECCIATION								
73.8	75.0	LAMPROPHYRE DYKE - VERY FINE GRAINED GREY, SLIGHTLY REDDISH 5% 1-2 mm BLACK PHENOCRYSTS								
75.0	78.4	DYKE - FELDSPAR PORPHYRY - AS ABOVE AT LOWER CONTACT 5cm QUARTZ VEIN 65° TO CORE								
78.4	80.0	ALTERED ULTRABASIC - MAINLY CARBONATE, 3% MARIPOSITE, SILICIFICATION NEAR CONTACTS								
		FIRST 30cm HAS 5% PYRITE								
		79.2-80.0 FRAGMENTED CORE TO 5cm - FRAGMENTS ALTERED ULTRABASIC WITH CARBONATE AND MARIPOSITE AND DYKE OF VERY FINE GRAINED, CREAM, REDDISH FRAGMENTS.	49266	79.2	80.0	0.8m	1.0			12
80.0	87.7	ANDESITE - VERY FINE GRAINED DARK GREENISH GREY - OCCASIONAL DARKER ROUNDED INDISTINCT PATCHES, OCCASIONAL LIGHT CARBONATE ALTERATION - SILICIFICATION THROUGHOUT.								
		83.1-83.6 FRACTURING EVERY 5-10cm 55° TO CORE - CARBONATE								
		83.9-84.2 CORE FRAGMENTED								
		AT 80.7 QUARTZ STRINGER 2-3mm 25° TO CORE, 2mm CARBONATE ALTERATION OF WALL ROCK.								
		AT 86.9 FRACT 20° TO CORE WITH GROVES 37° TO CORE								
		86.0-87.2 FRACTURES 30° TO CORE SEALED WITH PYRRHOTITE AND PYRITE FRACTURES 5-10° AND 45° TO CORE COATED WITH PYRITE AND OCCASIONALLY CHALCOPYRITE 1/2-1 mm	49267	86.0	87.7	1.7m	0.7			5
		87.2-87.7 NO CHALCO-PYRITE AND PYRRHOTITE ~~mm~~ SEALED AND OPEN FRACTURE								

DRILL HOLE No. 91#1

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DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ~~oz/t~~ PPm	Pb %	Zn %	Au PPb
		STRONG SILICIFICATION - SOME CARBONATE AND SERPENTINIZATION ON AND NEAR FRACTURES.								
87.7	87.9	Dyke - MAINLY MAFIC - SOME ALTERED FELDSPAR.								
87.9	88.4	ANDESITE - HIGHLY SILICIFIED, MINOR PYRITE AND PYRRHOTITE FINELY DISSEMINATED AND ON SEALED FRACTURES.								
88.4	88.6	Dyke - AS ABOVE	49268	88.6	90.3	1.7m	0.4			10
88.6	122.5	ANDESITE - LIGHTER AND DARKER GREEN PATCHES	49269	101.8	103.4	1.6m	0.5			11
		LIGHTER PATCHES ARE PARTIAL CARBONATE?	49270	106.4	108.7	2.3m	0.4			7
END		ROCK EXTREMELY DISTURBED STRONG SILICIFICATION IRREGULAR DARK STREAKES WITH PYRITE AND PYRRHOTITE - 0.5 to 1.0% THROUGHOUT	49271	112.5	113.7	1.2m	0.3			6
		88.6-89.6 EXTREMELY THOUGHT - MINOR PYRITE, PYRRHOTITE 84.6-89.8 SOFT AT 94.5 10cm BRECCIA (HOMOLITHIC) 1/2cm QUARTZ STRINGERS 45° TO CORE 101.8-103.4 1½% PYRITE, PYRRHOTITE AT 100.6 FRACTURING 35° TO CORE 1/2cm QUARTZ WITH PYRITE AND PYRRHOTITE, MINOR CHALCOPYRITE SERPENTINE AND TALC ON FRACTURES.								

DRILL HOLE No. 91 # 2

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DIAMOND DRILL HOLE LOG.

PICTOU (M57)

COLLAR LOCATION 3+60E 0+18S AZIMUTH ~~320~~ 110° DIP -70° ELEVATION _____ DEPTH 147.9 m CORE SIZE NQ

HOMESTAKE'S 1988 GEOPHYSICS GRID

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	5.8	OVERBURDEN							
5.8	7.9	ULTRA BASICS - SERPENTINIZED (50%?), PARTLY OXIDIZED							
7.9	19.8	ULTRA BASICS - SERPENTINIZED (80%) MINOR CARBONATE STRINGERS							
		MINOR BRECCIATION AT IRREGULAR INTERVALS							
		AT 17.7 8cm (MUD) GOUGE AND SMALL FRAGMENTS							
		20cm OF 60% QUART-CARBONATE 60° TO CORE							
		AT 19.5 MINOR DYKE GREY, BROWN AND BLACK FLECKS, ALSO FRACTURED, SERPENTINIZED ULTRABASIC HAS 3-4 SPECKS OF MAGNETITE WITH CHALCOPYRITE CENTERED. FRACTURE SURFACES COATED WITH RED - NOT HEMATITE COLOUR POSSIBLY GROUND UP IMPURE CINNABAR. - MINOR MARCASITE ON FRACTURES.							
19.8	20.3	DYKE VV FINE GRAINED GREEN WITH BLACK FLECKS (DIABASE)							
20.3	24.4	ULTRA BASIC - SERPENTINIZED, GRADUALLY INCREASING CARBONATE TO 40%							
24.4	25.0	DYKE AS ABOVE							
		AT 25.0 CONTACT 55 TO 60° TO CORE - MINOR MOVEMENT							
25.0	28.7	ULTRA BASIC - ALTERED, 20% SERPENTINE, 20% BLACK REMENANTS (HORNBLENDE?) 60% CARBONATE SOME MARIPOSITE TOWARD THE END							
28.7	29.1	SILICIFICATION, VERY VERY FINE GRAINED (CRYPTOCRYSTALLINE) GREY SILICA CUT BY WHITE QUARTZ WITH MINOR MARIPOSITE / CONTACT 40° TO CORE							
29.1	33.4	DYKE - CREAM TO BROWN GROUNDMASS WITH WHITE SLIGHT GREENISH (ALTERED) FELDSPAR PHENOCRYSTS TO 5mm SIZE.							

DRILL HOLE No. 91 #2

PAGE 2 OF 8 LOGGED BY _____

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DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
33.4	33.7	SILICIFICATION - BRECCIATED CRYPTOCRYSTALINE							
33.7	36.3	SILICA SEALED WITH WHITE QUARTZ.							
		ULTRA BASIC - ALTERED, 10% SERPENTINE AND WITH							
		5% BLACK REMENANTS, 5% MARIPOSITE, 10%							
		CARBONATE, 70% SILICA - MINOR REDDISH PATCHES							
36.3	40.2	BLACK QUARTZ 40° to CORE AND 70° to CORE.							
		ULTRA BASIC - ALTERED 70% SERPENTINE VARYING							
		TO 30%. - DENSE SOLID CORE							
	AT 40.2	FRACTURING 1/2 cm GOUGE.							
40.2	41.2	ULTRA BASIC - ALTERED - CARBONATE 30%, 30%							
		BLACK REMENANTS, 30% SERPENTINE, 10%							
		QUARTZ - STRINGERS 20° to CORE WITH							
		HEMATITE STAIN							
41.2	56.4	ULTRA BASIC - ALTERED IN PART, 30% SERPENTINE							
		MINOR CARBONATE. VERY LITTLE FRACTURING							
	AT 47.1	2 cm GOUGE 50° to CORE							
	AT 53.0	FRACTURE WITH HEMATITE 55° to CORE AND MINOR QUARTZ							
	55.5 - 56.4	INCREASING SERPENTINE AND CARBONATE							
	AT 56.4	QUARTZ STRINGER 60° to CORE							
56.4	59.1	ULTRA BASIC - ALTERED, 15% SERPENTINE, 10%							
		DARK REMENANTS, 20% SILICA, 50% CARBONATE							
		AND 5% MARIPOSITE.							
	AT 56.6	MINOR GOUGE AND FRAGMENTS, FRACTURE 25° to CORE							
		AND FRACTURE 60° to CORE WITH 1 cm QUARTZ AND							
		CARBONATE.							
59.1	61.3	ULTRA BASIC - ALTERED, 60% SERPENTINE 30%							
		BLACK REMENANTS, 10% CARBONATE							
	At 61.3	OPEN FRACTURE 55° to CORE							

DRILL HOLE No. 91-#2

PAGE 3 OF 8 LOGGED BY _____

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DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ppm	Pb %	Zn %	Au PPB
61.3	62.5	ULTRA BASIC - ALTERED, 10% SERPENTINE, 10% BLACK REMENANTS, 10% MARIPOSITE, 30% CARBONATE AND 40% SILICA AND QUARTZ STRINGERS.								
		AT 61.9 AND 62.2 FRACTURES 25° TO CORE - 2mm QUARTZ CARBONATE	9619	62.5	67.7	2.2m	<0.1			<5
62.5	65.5	ALTERED ULTRABASIC - 70% SILICA AND QUARTZ 20% MARIPOSITE, 10% CARBONATE.								
		62.5-63.0 0.3m CORE LOSS - CORE FRAGMENTED - 4cm BRECCIA WITH DARK GREY GROUNDMASS AND LIGHTER FRAGMENTS BRECCIA SEEMS TO CUT CORE AT 25°	9620	67.7	68.9	1.2m	<0.1			49
		AT 63.0 FRACTURE 15° TO CORE WITH BLACK SLICKENSIDE (NOT GRAPHITE)	9621	68.9	71.0	2.1m	<0.1			39
		62.5-63.4 50% GREY CRYPTOCRYSTRINE SILICA, 20% WHITE QUARTZ IN IRREGULAR STRINGERS WITH VUGGS. 30% CARBONATE, LIGHT BROWN SERICITIZED?	9622	71.3	74.4	3.1m	<0.1			<5
		63.4-65.5 8% MARIPOSITE, 30% WHITE VUGGY IRREGULAR QUARTZ 60% SILICA, MINOR CARBONATE, SERICITE WITH FINE MAGNETITE SPECKS.	9623	74.4	75.0	0.6m	<0.1			<5
65.5	67.7	BROWN TO CREAM CARBONATE (SERICITIZED) 40%, 30% GREY SILICA, 30% WHITE VUGGY QUARTZ APPARENTLY 15° TO CORE (VERY IRREGULAR)								
67.7	68.9	CARBONATE 60%, BROWN SERICITIC, 20% GREY SILICA, 10% WHITE QUARTZ, IRREGULAR 50-60° TO CORE 10% BLACK FEATHERY MINERAL IN THE SERICITE(?) CARBONATE - POSSIBLY GRAPHITE (DOES NOT STAIN EASILY (OR AT ALL))								

DRILL HOLE No. 91 #2

PAGE 4 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %	
68.9	71.0		MUD AND GOUGE - 30% FRAGMENTS FULL RECOVERY!								
		68.9 - 69.2	GREY BLACK MUD AND 10cm GREY SILICA WITH 20% WHITE QUARTZ.								
		69.2 - 69.4	CREAM MUD (CLAY ALTERATION)								
		69.4 - 69.9	FRAGMENTS, 0 TO 5cm, GREY SILICA WITH 10% WHITE QUARTZ MINOR CARBONATE FRACTURING 50° TO CORE								
		69.9 - 71.0	CREAM CLAY AND 30% FRAGMENTS TO 1cm. QUARTZ-CARBONATE STRINGER, ½cm WIDE, IN THE MUD								
		AT 71.0	SLICKENSIDES 25° TO CORE BROWN (BRIGHT) AND LIGHT GREEN (1mm) ON SLICKENSIDE.								
71.0	71.3		DYKE - DARK BROWN WITH GREEN AND WHITE FLECKS								
71.3	74.4		CARBONATE CREAM AND LIGHT BROWN (SERICITE) 50% 25% FEATHERY BLACK ?GRAPHITE?, 25% GREY SILICA.								
74.4	75.0		BRECCIA 50% OF FRAGMENTS ARE DARK CONSISTING OF A FINE INTERMIX OF BLACK AND WHITE MINERALS, VERY FINE GRAINED (ARGILLITE-SILICA?) 50% OF FRAGMENTS ARE BROWN CARBONATE, SERICITE AND QUARTZ. SEQUENCE: 1 BRECCIATION 2 INTROD. OF GREY SILICA 3 BRECCIATION 4 INTROD. OF WHITE QUARTZ WITH MINOR PYRITE 5 FRACTURING 6 INTROD. OF GLASSY QUARTZ ?WITH PYRITE?								
75.0	76.8		CARBONATE - LIGHT BROWN SERICITIC, 30% GREY SILICA, 5% FEATHERY GRAPHITE, 1% PYRITE DISSEMINATED AND ON FRACTURES								
		AT 76.5	FRACTURE 25° TO CORE - MOVEMENT, FRAGMENTED, MINOR CLAY								

DRILL HOLE No. 91 #2

PAGE 5 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag PPm ~~OZ/T~~	Pb %	Zn %	Au PPb
76.8	86.9	ANDESITE BLOTCHY DARK AND LIGHT GREEN								
		78.7 - 79.4 CARBONATE ALTERATION - ~~BLEACHED~~ BROWNISH SERICITIC	9624	75.0	76.8	1.8m	< 0.1			< 5
		78.9 - 79.1 FRACTURING 25° to CORE FRAGMENTED, BLEACHED, KAOLIN								
		80.8 - 82.9 CARBONATE LIGHT BROWN-GREEN 30% GREY SILICA, 15% WHITE VUGGY QUARTZ, MINOR BRECCIA								
		82.2 - 82.5 GREY SILICA AND WHITE QUARTZ 43° To CORE								
		At 82.5 6cm GREY-BLACK BRECCIATED QUARTZ 62° To CORE	9625	80.8	82.9	2.1m	< 0.1			11
		83.5 - 83.8 FRACTURING 0-5° to CORE								
		84.3 - 84.8 3cm WHITE QUARTZ 25° to CORE								
86.9	89.8	ANDESITE - ALTERED CREAM TO COLOURED CARBONATE 40% GREY SILICA, MINOR WHITE AND GLASSY QUARTZ 1½% PYRITE IN STREAKS AND DISSEMINATED.	9626	86.9	89.9	3.0m	< 0.1			10
89.8	92.5	ANDESITE BLOTCHY LIGHT AND DARK GREEN								
		90.1 - 90.4 MEDIUM BROWN CARBONATE SERICITE, 5% FEATHERY BLACK GRAPHITE(??), 10% GREY QUARTZ	9627	92.5	95.6	3.1m	< 0.1			35
		90.7 - 91.2 LIGHT BROWN CREAM CARBONATE 10% BLACK REMENANT								
92.5	97.6	CARBONATE - CREAM COLOURED, MINOR LIGHT ~~BROWN~~ 5% FEATHERY BLACK GRAPHITE(?)								
		92.5 - 93.3 50% WHITE AND GLASSY QUARTZ 35° to CORE AND GREY AND BLACK QUARTZ, MINOR ~~PYRITE~~	9628	95.6	97.6	2.0m	< 0.1			9
		93.3 - 93.6 LIGHT GREEN, MINOR SERPENTINE ~~AND MARIPOSITE~~								
		93.6 - 95.6 LIGHT CREAM COLOUR 10% FEATHERY GRAPHITE.								
		At 97.6 CONTACT 40° to CORE								

DRILL HOLE No. 91#2

PAGE 6 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %	
97.6	98.5		ANDESITE BLOTCHY LIGHT AND DARK GREEN								
98.5	99.2		~~ARGILLITE (?)~~ 40% BLACK AND 40% GREY SILICA MYLONIZED ZONE 20% CARBONATE, SERICITE EXTREEMLY DISTURBED								
99.2	102.7		DYKE LIGHT GREY WITH WHITE FELDSPAR PHENOCRYSTS								
102.7	103.5		~~ARGILLITE~~ BLACK WITH LIGHT PATCHES AND FLECKS SILICIFIED (MYLONIZED ZONE)?								
103.5	103.8		DYKE AS ABOVE								
103.8	104.4		DYKE VERY FINE GRAINED LIGHT TO DARK GREEN GROUNDMASS, GREEN PHENOCRYSTS OF ALTERED FELDSPAR								
104.4	104.6		DYKE - LIGHT GREY WITH WHITE FELDSPAR PHENOCRYST								
104.6	109.8		ANDESITE BLOTCHY LIGHT AND DARK GREEN ~~SERPENTINIZED~~ 10-30%								
		106.7-107.9	CARBONATE - SERICITE GREY SILICA 20-30%								
109.8	110.1		DYKE LIGHT GREY WITH WHITE PHENORYSTS								
110.1	111.9		DYKE VERY FINE GRAINED WHITE AND GREEN AND LIGHT GREEN (ALTERED) PHENOCRYSTS.								
111.9	115.5		ANDESITE, 80-60% SERPENTINE, 10% CARBONATE AND QUARTZ STRINGERS.								
		112.2-112.4	CARBONATE AND CLAY ASSOCIATE WITH FRACTURE 25° to CORE								
		112.5-113.9	CARBONATE (30%?) CLAY ALTERATION ASSOCIATED WITH FRACTURE 25° to CORE.								
115.5	116.3		DYKE VERY FINE GRAINED GREY, MINOR CROSS CUTTING QUARTZ-CARBONATE STRINGERS.								
116.3	122.1		ANDESITE 50% CARBONATE-QUARTZ								
		AT 116.8	FRACTURING 40° to CORE								

DRILL HOLE No. 91 # 2

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
		116.8-117.8 CARBONATE - CREAM AND BROWN 20% GREY SILICA FRACTURING 5-10° TO CORE, MINOR CLAY WHITE QUARTZ 25° TO CORE							
		119.8-120.7 CARBONATE - CREAM AND BROWN, 30% GREY SILICA, QUARTZ 40° TO CORE							
122.1	124.4	DYKE FINE GRAINED DARK GREEN AND WHITE MINOR WHITE FELDSPAR PHENOCRYSTS MINOR QUARTZ STRINGERS 30-40° TO CORE							
124.4	124.9	ANDESITE, 50% SERPENTINE							
124.9	125.3	" 50% CARBONATE AND QUARTZ, 40% SERPENTINE 10% BLACK REMENANT.							
125.3	125.8	CARBONATE - CREAM AND BROWN. 30% QUARTZ, 1% DISSEM. PYRITE							
125.8	126.2	ANDESITE - SILICIFIED, MINOR CARBONATE							
126.2	126.5	CARBONATE - CREAM AND BROWN, 30% QUARTZ, 1% SERPENTINE FRACTURE AND QUARTZ STRINGER 40° TO CORE							
126.5	128.5	ANDESITE 20% SERPENTINE, MINOR CARBONATE MINOR HAIRLINE FRACTURES WITH QUARTZ, CARBONATE AND MINOR PYRITE AND PYRRHOTITE.							
128.5	129	DYKE VERY FINE GRAINED GREEN AND WHITE, CARBONATED ALONG FRACTUR 5° TO CORE CONTACT BRECCIATED AND CARBONATIZED							
129	132.2	ANDESITE, 10% CARBONATE AT 130.8 QUARTZ STRINGER 20° TO CORE							
132.2	133.4	CARBONATE CREAM, 20% GREY SILICA BEM GREY, WHITE QUARTZ 40° TO CORE WITH 1% PYRITE							

DRILL HOLE No. 91 # 2

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION
133.4	137.2	Dyke FINE GRAINE GREEN AND WHITE
		137.4-137.6 BLEACHED, CARBONATIZED, SPECKS OF MARIPOSITE MINOR FRACTURING 52° to CORE
137.2	138.2	QUARTZ VEIN PARTLY FRAGMENTED SOME FRAGMENTS OF DYKE, MINOR CARBONATE WHITE, GREY AND BLACK QUARTZ 60° to CORE FIRST HALF 5% PYRITE
138.2	147.9	(THRUST ZONE?) Dyke - LEACHED, SLIGHTLY SANDY BLEACHED LIGHT CREAM FLECKS OF MARIPOSITE INCREASINGLY FRESH TO DARK GREEN TO 143.9m.
		139-139.8 50% QUARTZ - WHITE AND GREY 50° to CORE
		AT 143.9 FRACTURE 35° to CORE WITH 1/2 cm QUARTZ 5cm CLAY
		143.9-146 Dyke - LIGHT, LEACHED, BLEACHED
		146-147.9 Dyke VERY FINE GRAINED LIGHT, WITH GREEN FLECKS
		END

SAMPLE No.	FROM	TO	WIDTH	Ag ~~oz/t~~ PPM	Pb %	Zn %	Au PPb
9629	137.2	138.2	1.0m	17.0			314

DRILL HOLE No. 9/#3

PAGE 1 OF 6 LOGGED BY E. LIVGARD

SCARAB PICTON (M57)

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION 3+45E, 2+00S AZIMUTH ~~110°~~ DIP −70° ELEVATION _____ DEPTH 93 m CORE SIZE NQ

HOMESTAK'S 1988 GEOPHYSICAL GRID

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ppm	Pb %	Zn %	Au PPB
0	3.0	CASING								
3.0	4.0	FRAGMENTS								
		3.0 - 3.3 SERPENTINE								
		3.3 - 3.6 Dyke? VERY FINE GRAINED REDDISH								
		3.6 - 3.9 SERPENTINE MAFIC PHENOCRYSTS NOTED								
4.0	6.7									
6.7	7.9	~~ALTER~~ ULTRA MAFIC - SERPENTINE 60% 20% CARBONIZATION								
		CARBONATE ~~SMALL~~ QUARTZ 10% CORE, 10% SERPENTINE								
		OXIDIZED HAIRLINE FRACTURES 10° AND 60° TO CORE								
7.9	12.5	At 6.9 5cm FRAGMENTS AND MINOR GOUGE								
		AT 7.7 " " SERPENTINIZED ULTRAMAFIC 80%, 10% CARBONATE								
		AT 9.8 10cm LEACHED FRIABLE rock, CARBONATE IN CROSS-CUTTING STREAKS								
		10.3 " " " " 60° TO CORE								
12.5	14.2	SEALED FRACTURES 25-30° TO CORE AND 45-50° TO CORE								
		ALTERED ULTRAMAFIC	49292	14.6	17.1	2.5 m	0.8			11
		FIRST: 50% SERPENTINE, 50% CARBONATE	93	17.1	18.6	1.5 m	0.3			23
		MIDDLE: 80% CARBONATE 10% SERPENTINE, 10% QUARTZ	94	18.6	19.8	1.2 m	0.7			19
14.2	17.1	LAST: 50% SILICA, 45% CARBONATE, 3-4% MARIPOSITE MINOR MAGNETITE.								
		VERY STRONG SILICIFICATION - 25% OF ROCK HAS A LIGHT REDDISH TINGE (ALBITIZATION?) OR A BRIGHT ORANGE (1mm) STREAK WITH (1mm) QUARTZ ON EACH SIDE MAY BE CINNABAR. SOME VUGGY QUARTZ. CRUDE FOLIATION VARIABLE 55-65° TO CORE								
17.1	18.6	SPECKS OF MAGNETITE THROUGHOUT.								
		BRECCIA MEDIUM GREY GROUNDMASS - FRAGMENTS LIGHT CARBONATE-SILICA AND LIGHT GREY SILICA								
		MINOR MARIPOSITE, QUARTZ STRINGERS 30-35° TO CORE								

DRILL HOLE No. 91 #3

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag PPm	Pb %	Zn %	Au PPb
18.6	19.8		HIGHLY ALTERED ULTRA BASIC								
		18.6-18.9	20% MARIPOSITE, 40% GREY SILICA, 37% SILICEOUS CARBONATE, 3% MAGNETITE								
		18.9-19.2	60% GREY SILICA STREAKED 55° to CORE 30% SILICIFIED CARBONATE, 10% MARIPOSITE								
		19.2-19.4	15cm VERY FINE GRAINED RED (HEMETITE?) WITH GREEN, BLACK AND CARBONATE FLECKS.								
		19.4-19.8	70% CARBONATE, 15% SILICA, 10% MARIPOSITE, 5% ROUNDED PATCHES STRONGLY MAGNETIC.								
19.8	24.1		ALTERED ULTRAMAFIC								
		19.8-21.0	65% SERPENTINE, 25% CARBONATE, 10% SILICA								
		21.0-24.1	40% CARBONATE, 15% MARIPOSITE, 10% SERPENTINE, 35% SILICA, MINOR SLIGHT RED THROUGHOUT, SOME HEMATITE SOME ALBITE.								
		21.8-22.1	VERY STRONG HEMETITE								
24.1	29.0		ALTERED ULTRABASIC - 50% SERPENTINE, 10% CARBONATE								
		25.9-26.5	20% SERPENTINE, 5% CARBONATE								
		26.5-27.4	40% SERPENTINE 5% CARBONATE, 10% MARIPOSITE								
29.0	32.0		ALTERED ULTRABASIC HEAVY SILICIFICATION (60%?), 15% MARIPOSITE, 25% CARBONATE								
		AT 29.0	QUARTZ STRINGERS OVER 20 cm 60° to CORE, LIGHT GREY SILICA (50%)								
		AT 29.4	4cm WHITE QUARTZ WITH VUGGS 10° to CORE	49295	32.0	35.1	3.1	1.0			
		31.4-32.0	INCREASING GREY SILICA TO 80%								
32.0	35.1		80% GREY SILICA 15% WHITE QUARTZ IN VERY IRREGULAR STRINGERS, 5% CARBONATE WITH MARIPOSITE. MINOR MAGNETITE THROUGHOUT. NO SULPHIDES.								22

DRILL HOLE No. 91 #3

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag PPm ~~OZ/T~~	Pb %	Zn %	Au PPb
35.1	38.2	HIGH SILICIFICATION 75%(?) MAINLY GREY SILICA, 20% CARBONATE AND MARIPOSITE								
		35.4 - 36.0 AS ABOVE AND 5% STRONG RED FLECKS (?)								
		36.3 - 36.8 LIGHT GREY (GLASSY) BRECCIA LARGE WHITE FRAGMENTS. AND GREY AND DARK GREY FRAGMENTS.								
		36.9 - 38.2 50% CLEAN GREY SILICA WITH STREAKS OF WHITE QUARTZ CROSS-CUTTING 5° AND 35° TO CORE								
		AT 38.2 CONTACT 25° TO CORE								
38.2	45.6	ALTERED ULTRA BASIC - CARBONATE 65%, MARIPOSITE 10% SILICA 20%, CARBONATE-QUARTZ STRINGERS 60° AND 25° TO CORE. VERY UNIFORM CORE 10% DARK REMENANTS SCATTERED THROUGHOUT, CONSISTING OF VERY FINELY INTERMIXED BLACK AND WHITE, PARTLY MAGNETIC.								
45.6	46.6	DYKE LIGHT GREY SLIGHT GREENISH - GREEN FLECKS THROUGHOUT. VERY FINE QUARTZ (?) AND FELSPAR FLECKS.								
		AT 46.6 10 cm WHITE VUGGY QUARTZ AND CARBONATE 25° TO CORE								
46.6	48.0	BRECCIA GREY TO BLACK SILICA WITH MINOR PYRITE 40% WHITE VUGGY QUARTZ - SOME GLASSY OPALINE SILICA.	49296	46.6	48.0	1.4	6.6			148
48.0	51.5	ALTERED ULTRA BASIC CRUDELY STRATIFIED. FOR 60cm NEAR CONTACT HEAVY SILICIFICATION LATER 10% SILICA, 60% CARBONATE, 5% MARIPOSITE 10% BLACK REMENANTS (GHOST CRYSTAL (~~HORNBLEND~~?) WITH MAGNETITE. FRACTURES WITH GROVES 10 - 15° TO CORE								
		49.4 - 50.1 LEACHED ~~PORous~~								
		AT 51.5 CONTACT 50° TO CORE								
51.5	52.0	~~ANDESITE~~ (?) STRONGLY DISTURBED - 20% CRISS-CROSSING CARBONATE-QUARTZ STRINGERS ~~DIABASE~~ DYKE								

DRILL HOLE No. 91 #3

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag PPm	Pb %	Zn %	Au PPb
52.0	53.7	ALTERED ULTRA BASIC 55% LIGHT GREY SILICA, 30% CARBONATE 15% MARIPOSITE SILICA INCREASING TO 53.4m								
53.7	54.3	DYKE BLOTCHY CREAM AND LIGHT GREEN VERY FINE GRAINED EQUIGRANULAR QUARTZ-CARBONATE STRINGERS 25° TO CORE								
		AT 54.3 CONTACT 50° TO CORE								
54.3	57.0	ALTERED ULTRA BASIC - MAINLY CARBONATE WITH 15% SILICA, 5% MARIPOSITE, MINOR MAGNETITE								
		55.5-55.8 80% GREY SILICA								
		AT 56.2 3cm GREY QUARTZ								
		56.2- 57.0 75% SILICA								
57.0	58.7	QUARTZ GREY SILICA BRECCIATED SEARED, FRATURED BRECCIA SEARED WITH VUGGY WHITE QUARTZ LITTLE PYRITE - QUART STRINGERS 10-20% CORE	492 97	57.0	58.7	1.7m	1.7			43
			98	58.7	60.7	2.0m	6.4			109
58.7	62.2	ALTERED ULTRA BASIC - 75% GREY SILICA, 10-15% CARBONATE 10-15% MARIPOSITE.	99	60.7	62.3	1.6m	2.3			53
		AT 58.7 FRACTURE 10° to CORE - TALK								
		AT 59.5 4cm WHITE QUARTZ 25° to CORE, FOLLOWED BY 5cm GREY QUARTZ 15° to CORE BUT STRIKING 30° FROM WHITE QUARTZ								
		FROM 59.8 GREY SILICA IN PART BRECCIATED, WHITE QUARTZ 20-25° to CORE AND 50° to CORE.								
62.2	63.4	OCCASIONAL PATCHES OF PYRITE, SPECKS THROUGHOUT.								
		95% GREY SILICA, MINOR CARBONATE, 3-4% MARIPOSITE								
63.4	64.5	DYKE VERY FINE GRAINED GREY SLIGHTLY REDDISH GREEN FLECKS - MINOR FRACTURE WITH CARBONATE								
		AT 64.1 2cm QUARTZ 50° to CORE								
		CONTACT 20° to CORE								

DRILL HOLE No. 91 #3

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %	
64.5	67.4		70% SILICA, 15% CARBONATE, 5% MARIPOSITE 10% IRREGULAR STRINGERS OF WHITE QUARTZ AND CARBONATE - FRACTURING 50°, 25° AND 10° TO CORE								
		AT 65.7	10cm DYKE AS ABOVE								
		66.2-66.5	" "								
		67.2-67.4	WHITE QUARTZ 5cm GOUGE ON THE CONTACT - MOVEMENT 35° AND 45° TO CORE								
67.4	69.2		DYKE EXTREEMLY DISTURBED 15% SERPENTINE, 10% CARBONATE MAINLY ALONG FRACTURES 65° TO CORE AND IN 2-3 cm WIDE BRECCIAS 65° TO CORE								
		68.6-69.2	0.3m CORE								
		AT 69.2	SAW GOUGE AND FRAGMENTS.								
69.2	70.6		QUARTZ 50% CARBONATE 50% WITH IRREGULAR BLACK FEATHERY INCLUSIONS (POSSIBLY GRAPHITE (?)								
		AT 69.2	0.3m GREY SILICA WITH PYRITE, BRECCIATED AND SEALED WITH VUGGY WHITE QUARTZ CUT BY GLASSY CHALCEDONIC OR OPALINE SILICA								
70.6	~~E~~ 71.3		ALTERED ULTRABASIC - SILICIFIED, SLIGHT SHEARING 40° TO CORE, MINOR CARBONATE ALONG FRACTURES.								
71.3	~~E~~ 73.3		CARBONATE - QUARTZ, 40% CARBONATE WITH 10% BLACK FEATHERY GRAPHITE (??), 40% QUARTZ MINOR MARIPOSITE, 1-2% PYRITE								
		To ~~E~~ 73.8	SOME SERICITATION. - OPEN FRACTURES 50-53° TO CORE SLIGHT GREEN CAST								
		~~A~~	SOME SERPENTINE								

DRILL HOLE No. 91 #3

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION
		AT 73.8 8 15cm WHITE QUARTZ 70° to CORE
		74.8-75.1 40% BLACK FEATHERY MINERAL
		76.2-76.8 " " " "
		76.8-77.1 50% WHITE AND GLASSY QUARTZ, IRREGULAR 40°, 25°, 75° to CORE
		77.1-82.3 SLIGHTLY DARKER CREAM COLOURED CARBONATE STREAKS OF PYRITE AND WHITE QUARTZ ALSO PATCHES STREAKS TO AND 60° to CORE, WHITE NUGGY QUARTZ 10-25° to CORE
82.3	84.1	ANDESITE SOME SILICIFICATION FRACTURING EVERY 3-4cm 25-40° to CORE CARBONATE ON EACH WALL.
		82.9-83.2 CARBONATE - SILICA, LIGHT BROWN REDDISH (SERICITE)
		83.8-84.0 " " " "
84.1	85.7	CARBONATE (50%) QUARTZ (40%) 10% FEATHERY GRAPHITE(?) SLIGHT FOLIATION 45° to CORE
		85.1-85.3 SHALE
		AT 85.6 5cm WHITE AND GLASSY QUARTZ WITH MINOR PYRITE 45° to CORE
85.7	86.6	CARBONATE 50%, QUARTZ 30%, 10% FEATHERY GRAPHITE(?), 10% SERPENTINE
86.6	88.9	ANDESITE, 20% CARBONATE, 10% SERPENTINE MINOR THIN FRACTURES WITH CARBONATE
88.9	89.3	Dyke GREY FINE GRAINED WITH WHITE FELDSPAR PHENOCRYSTS.
89.3	93.0	ANDESITE
		89.3-89.9 50% CARBONATE 50% BLACK QUARTZ
		AT 90.3 5cm SHALE? THEN 10cm CARBONATE AND BLACK QUARTZ
		AT 92.7 2cm QUARTZ 45° to CORE WHITE & GLASSY, 3cm CARBONATE IN EACH WALL.
END		

SAMPLE No.	FROM	TO	WIDTH	Ag PPm	Pb %	Zn %	Au PPb
9615	72.3	73.8	1.5m	< 0.1			289
16	73.8	76.8	3.0m	< 0.1			24
17	76.8	79.8	3.0m	< 0.1			12
18	79.8	82.3	2.5m	< 0.1			11

DRILL HOLE No. 91 # 4

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SCARAB PICTOU (MS7)

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION 3+40E, 2+00S AZIMUTH ~~000°~~ 110° DIP -50° ELEVATION _____ DEPTH 117.4 m CORE SIZE NQ

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ~~OZ/T~~ ppm	Pb %	Zn %	Au PPB
0	4.9	CASING								
		3.0 - 3.5 FRAGMENTS OF SERPENTINIZED ULTRA~~BASIC~~								
		3.5 - 4.0 " WITH VERY FINE GRAINED (EARTHY) REDDISH FLECKS ON FRACTURES POSSIBLY CINNABAR SMEARED ON FRACTURES.								
		4.0 4.9 SERPENTINE, PARTLY ~~BRECCIATED~~ AND CEMENTED WITH YELLOW CARBONATE								
4.9	7.0	BRECCIATED SERPENTINE CEMENTED WITH CARBONATE								
		60% RECOVERY SPECKS OF MARCASITE(?)								
		6.1 - 6.7 FRAGMENTED, RED FLECKS (NOT HEMATITE) ~~POSSIBLY~~ CINNABAR								
7.0	9.9	ALTERED ULTRA~~BASIC~~, 70% CARBONATE, 20% SERPENTINE								
		7.3 - 9.1 SOME QUARTZ AND BLACK REMNANTS. SEALED								
		85% RECOVERY FRACTURES 30° AND 65° TO CORE AND PERPENDICULAR TO EACH OTHER. OPEN FRACTURES AT 15° AND								
		65° OPOSITE TO EACH OTHER, MINOR MARIPOSITE								
		7.4 - 7.6 SEALED FRACTURE 60° TO CORE WITH PATCHES OF RED								
		STAIN (?), FINE SPECKS OF MAGNETITE,	49272	9.8	11.1	1.3M	0.3			6
		PATCHES OF GREY SILICA, HAIRLINE QUARTZ 65° TO CORE								
		9.1 - 9.4 ~~BRECCIATED~~, OXIDIZED CARBONATE CEMENT								
		RED HEMATITE PATCHES. FRACTURE WITH QUARTZ 25° TO CORE								
		9.4 - 9.9 VERY STRONG GREY SILICA - 15% MARIPOSITE								
9.9	11.0	DYKE VERY FINE GRAINED GREY, FAINT WHITE FELDSPAR PHENOCRYSTS. UPPER CONTACT 35° TO CORE								
		OFFSET 5cm HORIZONTALLY(?)								
		CARBONATE STRINGERS (1/2-1cm) 20° TO CORE								
		OPEN FRACTURE 5° TO CORE, 50% OXIDIZED.								
		AT 10.7 BRECCIA - OXIDIZED, HEAVY SILICA AND VUGGY QUARTZ.								
		MINOR MARCASITE ? SOME YELLOW GREEN STAIN. (ECHROLITE ?)								

DRILL HOLE No. 91#4

PAGE 2 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ~~OZ~~ PPM	Pb %	Zn %	Au PPb
11.0	12.5	ALTERED ULTRA~~BASIC~~ 50% GREY SILICA, 40% CARBONATE, 10% MARIPOSITE, MANGANESE ON FRACTURES, PYRITE IN FRACTURES 5% CORE. LOWER CONTACT VERY IRREGULAR (20° TO CORE?) BRECCIATED OVER 20CM WITH 60% GREY SILICA, CRISS-CROSSING FINE QUARTZ STRINGERS, CARBONATE, 10% MARIPOSITE, A FEW FINE SPECKS OF A GREY SULPHIDE MINOR ~~MALACHITE~~ ON FRACTURES	49273	11.1	12.5	1.4m	0.8			16
12.5	14.8	DYKE(?) LIGHT GREY, VERY DISTURBED 15% OXIDIZED - HEAVY SILICIFICATION. QUART STRINGER 1mm TO 1cm FRACTURES FILLED WITH COMB QUARTZ ON THE WALLS AND GLASSY OPALINE (CHALCEDONY?) CUTTING ALL.	74	12.5	14.3	~~1.8~~ 1.8m	0.9			< 5
		14.0-14.3 BRECCIATED SEALED WITH GLASSY AND LIGHT BLUE OPALINE SILICA								
		AT 13.7 RED (ALBITE??)								
PROBABLE CAVE FROM NEAR SURFACE		14.3-14.5 FAULT(?) - SAND! ROUNDED GRAINS OF ~~SERPENTINE~~ TO 2cm 3cm GREENISH GOUGE.								
		14.5-14.6 ~~SERPENTINE~~ ROUNDED FRAGMENTS TO 3cm - RED STAIN (CINNABAR)								
		AT 14.6 GREY Dyke ? 5cm QUARTZ CARBONATE								
14.8	16.2	ALTERED ULTRA~~BASIC~~, 50% GREY SILICA, 20% MARIPOSITE, CARBONATE, ALL SILICIFIED. CONTACT PERPENDICULAR TO CORE 1cm CARBONATE								

DRILL HOLE No. 91 #4

PAGE 3 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ~~oz/t~~ PPm	Pb %	Zn %	Au PPb
16.2	23.2		ANDESITE FIRST 30cm STRONG ~~BRICK~~ RED (ROUND VESICLES.?) WITH CARBONATE AND MARIPOSITE, THEN FADING TO ~~DARK~~ GREY WITH SOME REDISH SECTIONS (HEMATITE) - ALTERATION INCREASES TO 60% SERPENTINE AND 20% CARBONATE. SEALED FRACTURING 35° TO CORE, OPEN FRACTURES 30° AND 70° TO CORE								
		AT 20.7 20.7-21.3	FRACTURE 70° TO CORE AND GROVES 10° TO CORE EDGE ~~50%~~ SERPENTINE, 50% CARBONATE, MINOR QUARTZ AND ~~BRECCIATION~~								
		AT 23.2 LAST 0.5m	CONTACT 8-10° TO CORE VERY SLIGHT GROVE 10° TO CORE EDGE ~~BEFORE~~ CONTACT SCATTERED 2-3% LINE ~~PYRITE~~	492 75	30.3	31.9	1.6	0.9			5
23.2	30.3		ALTERED ULTRA ~~BASIC~~ MAINLY CARBONATE, CREAM-LIGHT GREEN, SERPENTINE 5% BLACK REMENANTS WITH MAGNETITE, MINOR MARIPOSITE, A FEW QUARTZ STRINGERS	76	31.9	33.2	1.3	4.1			8
				77	33.2	36.0	2.8	3.2			32
		24.4-25.0 27.4 AND ONWARD	1cm QUARTZ PARALLEL TO CORE, VUGGY 3% ~~PYRITE~~ SERPENTINE INCREASING TO 60% 40% CARBONATE LIGHT GREEN, OCCASIONAL QUARTZ STRINGERS PARALLEL TO CORE CARRYING PYRITE.								
30.3	31.9		BRECCIA - QUARTZ, CARBONATE								
		AT 30.3 30.3-31.4 70% RECOV. 30.9-31.4	0.15cm CORE LOSS CARBONATE AND 25% MARIPOSITE, LEACHED CAVITIES SPECKS OF MAGNETITE FRACTURE 65° TO CORE SOME GREY SILICA. FRACTURE 25° TO CORE THEN BRECCIA, GREY SILICA BRECCIA HAS BEEN BRECCIATED AND SEALED WITH CARBONATE								

DRILL HOLE No. 91#4

PAGE 4 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
31.4	36.0 ~~32.0~~	31.4-31.9 BRECCIATED - CARBONATE AND GREY SILICA CEMENTED WITH LIGHT BLUE OPALINE (?) AT 32.0 6cm CARBONATE AND QUARTZ 20° to CORE BRECCIA GREY SILICA CEMENTED WITH CARBONATE AND MARIPOSITE, FINE SPECKS OF MAGNETITE 32.6-36 GREY SILICA-CARBONATE BRECCIATE AGAIN AND SEALED WITH WHITE QUARTZ AND CARBONATE AT 33.7 10cm QUARTZ VEIN 60° to CORE, GREY AND BLACK AT 34.1 3 " " " AT 36 4 " " " 34.6 16 " " " 35.2 5 " " " 35.8-36.0 20 " " "						
36.0	42.4	ALTERED ULTRABASIC, 60% CARBONATE 25% SERPENTINE MARIPOSITE 5%, SILICA 10%, SPECKS OF MAGNETITE 38.0-39.2 INCREASING CROSS-CUTTING WHITE AND GLASS QUARTZ 40.7-41.0 50% SILICA, FRACTURE 30° to CORE							
42.4	43.6	ALTERED ULTRABASIC, CREAM VERY SLIGHT GREEN CARBONATE 70% - SLIGHT STRATIFICATION 30° to CORE INCREASING SILICA IN 10% CRISS-CROSSING STRINGERS							
43.6	45.7	ALTERED ULTRABASIC SILICA 80% (?), 10% MARIPOSITE MINOR MAGNETITE, CRISS-CROSSING QUARTZ STRINGERS 25° to CORE MAINLY - MINOR CARBONATE							
45.7	46.6	ALTERED ULTRABASIC, CARBONATE 60%, SERPENTINE 30% MINOR MAGNETITE, CRISS-CROSSING QUARTZ STRINGERS							

DRILL HOLE No. 91 # 4

PAGE 5 OF 8 LOGGED BY _____

INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ppm ~~OZ/T~~	Pb %	Zn %	Au PPb
46.6	48.3		ALTERED ULTRA BASIC, 80% CARBONATE SILICIFIED 10% MARIPOSITE, 6% DARK REMENANTS WITH MAGNETITE 4% CRISS-CROSSING QUARTZ STRINGERS.								
48.3	50.8		DYKE LIGHT GREY WITH WHITE FELDSPAR PHENOCRYSTS MUCH CRISS-CROSSING QUARTZ STRINGERS AND QUARTZ-CARBONATE IN 1-2 cm STRINGERS 25° to CORE								
50.8	52.7		ALTERE ULTRA BASIC, 20% MARIPOSITE, 40% GREY SILICA AND WHITE QUARTZ WITH PYRITE IN CRISS-CROSSING STRINGERS, 40% CARBONATE WITH SPECKS of MAGNETITE - ALL LEACHED, POROUS	49278	50.8	52.7	1.9m	0.9			7
		52.4-52.7	FRAGMENTED CORE	79	52.7	54.4	1.7m	1.2			254
52.7	54.4		QUARTZ VEIN WHITE, GREY, BLACK QUARTZ 25° to CORE	80	54.4	56.9	2.5m	0.9			7
54.4	60.4		CARBONATE(?) VERY, VERY FINE GRAINED CREAM COLOURED, EXTREEMLY DISTURBED.	81	56.9	57.4	0.5m	0.7			32
		54.4-56.4	CRISS-CROSSING TO BRECCIATED GREY QUARTZ 20% LATER QUARTZ STRINGERS WITH PYRITE	82	57.4	58.5	1.1m	1.1			16
		55.0-55.8	QUARTZ VEIN 25° to CORE, GREY BLACK STREAKED	83	58.5	60.4	1.9m	1.1			51
		56.4-56.9	CARBONATE AS ABOVE WITH GREEN FLECKS								
		56.9-57.4	FRACTURING AND SLIGHT SHEAR 60° to CORE BRECCIA 43° to CORE - OTHER CONTACT 80° to CORE. BLACK FRAGMENTS, SILICIFIED SHALE?								
		58.5-58.8	60% QUARTZ VEINS 25-30° to CORE WITH 10% PYRITE								
		58.8-59.3	CREAM CARBONATE - 5% PYRITE IN IRREGULAR STREAKS.								
		59.8-60.1	5% PYRITE								
60.4	64.9		ANDESITE VERY DISTURBED, MINOR SERPENTINE 10% CARBONATE CRISS-CROSSING FINE STREAKS WITH PYRITE AND PYRRHOTITE.								
		61.6-61.9	BRECCIA - CREAM CARBONATE AND BLACK REMENANTS STREAKS AND BLEBS OF PYRITE AND PYRRHOTITE 25° to CORE								

DRILL HOLE No. 91 #4

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag ~~OZ/T~~ PPM	Pb %	Zn %	Au PPb
		63.1-63.4	CARBONATE WITH 40% SILICA. CARBONATE HAS BLACK STREAKS (GRAPHITIC??) AND MINOR ~~PYRITE~~								
		64.0 - 64.3	AS ABOVE								
64.9	65.7		DYKE VERY FINE GRAINED REDDISH,								
65.7	66.5		CARBONATE (CREAM COLOURED WITH BLACK FEATHERY STREAKS, 40% SILICA.	49284	65.7	66.3	0.6m	0.7			10
66.5	74.2		ANDESITE, VERY HARD (INFORMATION HORNFELSED?) FRACTURING 30° 45° AND 65° TO CORE WITH PYRITE AND PYRRHOTITE. ALSO SERPENTINE AND CARBONATE	85	74.2	77.1	2.9m	0.9			16
		68.6-68.9	CARBONATE AS ABOVE								
		71.5-71.8	" " WITH MINOR PYRITE AT CONTACT								
			25° TO CORE WITH CHALCEDONIC QUARTZ								
74.2	77.1		CARBONATE - FRAGMENTED CORE								
90%	RECOVERY	74.2-74.8	50% RECOVERY, MUD (~~CLAY~~ ALTERATION) TREND (FRACT?) 10° TO CORE								
		74.8-75.3	CARBONATE WITH BLACK FEATHERY GRAPHITE (?), 20% SILICA								
		AT 75.3	4cm QUARTZ 25° TO CORE								
		75.3-75.9	BRECCIA SILICIOUS BLACK, GREY FRAGMENTS								
		75.9-76.4	CARBONATE MUD (~~CLAY~~ ALTERATION)								
		AT 77.1	QUARTZ STRINGER 0-25° TO CORE, GREY, BLACK MINOR PYRITE								
77.1	77.4		ANDESITE, HIGHLY SERPENTINIZED								
77.4	77.9		DYKE FINE GRAINED GREY MINOR GREEN FLECKS LOWER CONTACT 25-30° TO CORE								
77.9	78.8	70% RECOV.	CARBONATE - FRAGMENTED - EXTENSIVE ~~CLAY~~ ALTERATION (MUD) FRACTURING 0-25° TO CORE								
78.8	82.0		ANDESITE BOTHY LIGHT AND DARK GREEN. MINOR SERPENTINE, 15% CARBONATE WITH FRACTURES OR IN PATCHES. MINOR PYRITE AND PYRRHOTITE DISSEMINATED AND IN FRACTURES.								

DRILL HOLE No. 91 #4

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO		DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag PPM ~~oz/T~~	Pb %	Zn %	ppm Pb
82.0	85.4		ANDESITE, CARBONATE 40% WITH BLACK FEATHERY GRAPHITE(?)								
		83.1-83.7	BLACK BRECCIA - STREAKED (STRATIFIED) 80° to CORE (~~SHALE-SLICK?~~) MYLONITE	49286	85.4	87.8	2.4m	0.9			12
85.4	87.8		CARBONATE - MUCH CRISS-CROSSING QUARTZ AND BLACK STREAKS-STRINGERS WITH PYRITE MAINLY 25° to CORE	87	87.8	89.3	1.5m	1.2			52
87.8	89.3		QUARTZ - GREY, BLACK STREAKS 35° to CORE, SOME CARBONATE BRECCIA & WHITE VUGGY QUARTZ	88	89.3	91.5	1.2m	0.9			33
		88.9-89.4	50% CARBONATE, 10% FEATHERY GRAPHITE(?)								
89.3	91.5 ~~102.1~~	AT 88.0	A FEW QUARTZ STRINGERS WITH PYRITE 35° to CORE WHITE LEATHER !? (UNIDENTIFIED)	49289	92.2	94.4	2.2	1.1			44
91.5	102.1		CARBONATE WITH 10% SERPENTINE, 15% SILICA, 3-4% GREY, BLACK QUARTZ STRINGERS WITH MINOR PYRITE								
			ANDESITE / CONTACT 32° to CORE								
		92.2-94.4	50% CARBONATE 20% SILICA, 2-3% GREY, BLACK QUARTZ WITH PYRITE IN IRREGULAR STRINGERS, BUT MAINLY 50° to CORE.								
		94.4-96.6	30% CARBONATE WITH 15% SILICA - ALONG FRACTURES 50° to CORE	49290	102.1	104.3	2.2	1.0			24
			QUARTZ VEIN (15cm) WITH PYRITE 25° to CORE	91	104.3	105.8	1.5	0.7			10
		96.6-102.1	5-10% CARBONATE IN CRISS-CROSSING STRINGERS MAINLY 25° to CORE								
102.1	105.8		ANDESITE - 60% CARBONATED WITH 30% QUARTZ IN CRISS-CROSSING STRINGERS AND ~~PATCHES~~								
		102.1-103	SHEARING 50° to CORE 50% FINE FRAGMENTS AND MINOR PYRITE.								
		103.3 103.6	60% QUARTZ 4% PYRITE 50° to CORE								
		103.6-105.2	10% FEATHERY GRAPHITE(?) IN THE CARBONATE MINOR FRACTURING 10° to CORE								

DRILL HOLE No. 91#4

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INTERNOVA RESOURCES LTD.

DIAMOND DRILL HOLE LOG.

COLLAR LOCATION _____ AZIMUTH _____ DIP _____ ELEVATION _____ DEPTH _____ CORE SIZE _____

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
		105.2-105.8 30% QUARTZ WITH FINE GRAINED DISSEMINATED PYRITE, MINOR IRREGULAR BLACK STREAKS.							
105.8	109.9	DYKE LIGHT GREY HOMOGENOUS WITH BLURRED WHITE FELDSPAR PHENOCRYST.							
109.9	111.1	ANDESITE - 10 cm CARBONATE QUARTZ AT UPPER CONTACT 30 " " " LOWER "							
111.1	111.9	DYKE AS ABOVE							
		AT 111.6 10% QUART CARBONATE 30° to CORE							
111.9	117.4	ANDESITE AT CONTACT CARBONATE, QUARTZ (20-30) CRISS-CROSSING QUARTZ CARBONATE HAIRLINES 10°, 25° AND 50° to CORE							
END		115.9-116.8 60% CARBONATE - QUARTZ - 10% GREEN (SERPENTINE?) MINOR MAGNETITE - A FEW SPECKS OF PYRITE.							

APPENDIX C

COST DECLARATION

Diamond Drilling - E. Caron Diamond Drilling Ltd. Holes 91#1, 2, 3 and 4 Total drill footage: 480.8 metres Total cost (incl. MOB-DEMOB, MUD etc.)	$46,904.52
Drill Site Preparation and Rehabilitation Connolly Enterprises Ltd. 65 1/2 hours catwork - D60 and MOB & DE MOB	6,737.26
Analysis - Northern Analytical	855.00
Core Logging, Supervision and Expenses - E. Livgard (B.Sc.Geol.) P.Eng.	7,100.82
Report and Maps	2,252.00
	$63,849.60

Of this total the following work was carried out between September 1st, 1991 and September 6th, 1991 and filed as assessment work on September 6th, 1991.

Drill Site Preparation Costing	$ 2,240.00
Diamond Drilling Costing	1,500.00
Hole Location, Supervision and Logging by the Writer, Costing	1,280.00
Totalling	$ 5,020.00

The remaining work costing $58,829.60 was carried out from the 7th to the 20th of September 1991.

E. Livgard, P.Eng.

LIVGARD CONSULTANTS LTD.
230 - 470 Granville St., Vancouver, B.C. V6C 1V5 Ph. 669-2426

APPENDIX D

CERTIFICATE

I, EGIL LIVGARD, of 1990 King Albert Avenue, Coquitlam, B.C., DO HEREBY CERTIFY:

1. I am a Consulting Geological Engineer, practicing from #436 - 470 Granville Street, Vancouver, B.C.

2. I am a graduate of the University of British Columbia, with a B.Sc., 1960 in Geological Sciences.

3. I am a registered member in good standing of the Association of Professional Engineers of the Province of British Columbia (Registration No. 07236).

4. I have practised by profession as an underground geologist, engineer and mine manager (8 years), as exploration geologist (6 years) and as a consulting geological engineer (17 years).

5. This report dated November 26, 1991 is based on the references as listed in the Appendix and on work on the property from September 1st to 20th, 1991.

6. I am a Director of Internova Resources Ltd. and have an option to acquire common shares in the company.

DATED AT VANCOUVER, BRITISH COLUMBIA THIS 26th DAY OF NOVEMBER, 1991.

Egil Livgard, B.Sc., P.Eng.

LIVGARD CONSULTANTS LTD.
230 - 470 Granville St., Vancouver, B.C. V6C 1V5 Ph. 669-2426