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A REPORT ON THE DIAMOND DRILLING PROGRAM
SUE CLAIMS
SOO RIVER, WHISTLER AREA
VANCOUVER MINING DIVISION
92J / 2E

for

DECADE INTERNATIONAL DEVELOPMENT LTD.
1520 West 6th Avenue
Vancouver, B.C.
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by

HAROLD M. JONES, P.ENg.
HAROLD M. JONES & ASSOCIATES INC.

June 24, 1991

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

SUMMARY

The Sue 1-6 claims are located in southwestern British Columbia along the Soo River, approximately 15 kilometers due north of Whistler Village and 108 km north of Vancouver. They are accessible from Vancouver by a paved highway and a short section of logging road.

The claims are located within a roof pendant of Lower Cretaceous Gambier Group volcanic and sedimentary rocks in the Coast Range Plutonic Complex. They are underlain by a package of volcanic pyroclastic rocks ranging from rhyolitic to andesitic. These include tuffs, lapilli tuffs and volcanic breccias. Granitic intrusives crop out on the southeast edge of the surveyed area.

The volcanics appear to be in poorly defined groups. Rhyolitic - dacitic rocks dominate in the central part of the claims area, grading northeasterly into dacitic - andesitic units and finally into dominantly andesitic units.

Previous work on the property by the present operators - Decade International Development Ltd. - and others located a broad area which was geochemically anomalous in copper, lead, zinc and cobalt. Geophysical surveys recorded weak EM conductors in or near the above anomalous area.

A diamond drill program consisting of two holes totalling 1,294 feet (393.8 m) was conducted to test a cross-section through a part of the high Cu-Co-Zn geochemical anomaly and weak EM conductors. Drill results indicated the area to be underlain by mostly andesitic with lesser dacitic and rhyolitic pyroclastic rocks. These ranged from fine grained to very coarsely fragmental, moderately to strongly fractured, locally faulted, and moderately chloritized and epidotized. Mineralization was restricted to pyrite occurring as bright shiny cubes on chlorite, epidote and/or quartz veins, as replacements in epidotized clasts, and as weak disseminations. Overall pyrite content with less than one percent. Very sparse chalcopyrite was present as disseminations in or adjacent to an occasional quartz veinlet.

The entire core from each was sampled and assayed for 30 element by I.C.P. and gold by atomic absorption. Assays were very low for all elements.

It was concluded that the package of volcanic rocks in the drill area did not contain sufficient base metal mineralization to be the source of the soil anomalies, and that the anomalies were probably transported from a source not yet located. It was further concluded that the weak EM conductors probably reflected water-filled fault zones and not sulphide mineralization.

The total cost of the diamond drill program was $40,253. Most of this cost will be applied as assessment work.

INTRODUCTION

Decade International Development Ltd., between June 6 - 20, 1991, conducted a diamond drilling program on the Sue claims, which are located adjacent to the Soo River 15 km due north of the Village of Whistler. The purpose of drilling was to test an area which, in 1988 surveys by the Company, was found to be geochemically anomalous in copper, zinc and cobalt and also contained several weak UTEM geophysical conductors. Previous work in the same area by Riocanex in 1980 recorded a one station conductor in both a VLF-EM and a Max-Min EM Survey. They did not drill this conductor.

The recently diamond drilling program was conducted by Boisvenu Drilling Ltd., 203 - 960 Quayside Drive, New Westminster, B.C. Supervision, core logging and sampling was conducted by the writer.

The writer prepared and filed for assessment work reports on the property dated May 31, 1988 and January 4, 1990. The reader is referred to these reports for all background information.

Location and Access

50° 14' North Latitude)
122° 58' West Longitude) to centre of claims

The claims are located in the Vancouver Mining Division approximately 15 km due north of the village of Whistler and 108 km north of Vancouver. They lie immediately north of Soo River, an east-flowing tributary of Green River (Figure 1).

The claims are readily accessible from Whistler Village by taking Highway 99 northward for approximately 18 km, then the Soo River logging road for approximately 8 km. This road passes through the southern part of the property. Only one short logging road provides limited access to the centre of the claims.

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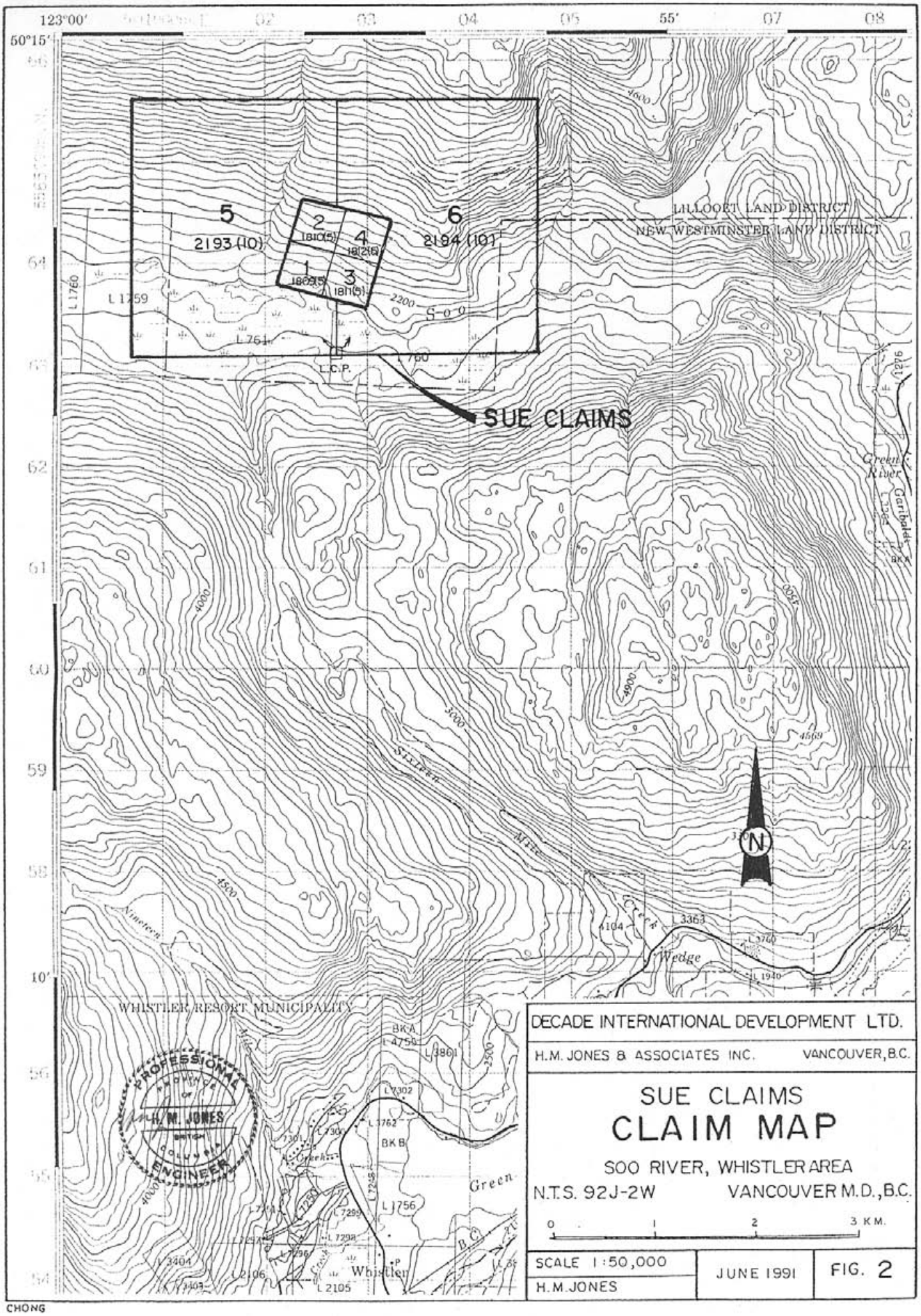
PROVINCE OF BRITISH COLUMBIA
H.M. JONES

0 100 200 300 MILES
0 100 200 300 400 500KM.

DECADE INTERNATIONAL DEVELOPMENT LTD.		
H. M. JONES & ASSOCIATES INC.		VANCOUVER, B C
SUE CLAIMS		
LOCATION MAP		
SOO RIVER, WHISTLER AREA		
N.T.S. 92J-2W		VANCOUVER M.D., B.C.
SCALE · AS SHOWN	JUNE 1991	FIG. 1
H. M. JONES		


123°00'
50°15'
5
2193 (10)
6
2194 (10)
2
1810(5)
4
1810(5)
1
1810(5)
3
1810(5)
L.C.P.
SUE CLAIMS
LILLOOET LAND DISTRICT
NEW WESTMINSTER LAND DISTRICT
Green River
Garibaldi
WHISTLER RESORT MUNICIPALITY
Wedge
Whistler
PROFESSIONAL ENGINEER
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DECADE INTERNATIONAL DEVELOPMENT LTD.
H.M. JONES & ASSOCIATES INC. VANCOUVER, B.C.
SUE CLAIMS
CLAIM MAP
SOO RIVER, WHISTLER AREA
N.T.S. 92J-2W VANCOUVER M.D., B.C.
0 1 2 3 KM.
SCALE 1:50,000
H.M.JONES
JUNE 1991
FIG. 2

CHONG

Topography and Vegetation

The claims lie on the south slope of the ridge separating Soo River from Rutherford Creek. Stopes are moderate to steep and fairly uniform. They are locally deeply incised by the few creeks on the claims. Elevations range from Soo River at 610 m to the ridge top at 1,675 km.

The Soo River valley is an active logging area. Sue 1 claim has been essentially completely clear-cut. The remainder of the property is well forested with commercial-sized fir. Additional logging is planned for the claims area, with road construction for this future work slated to start before the end of June, 1991 (pers. comm. with Soo River Logging).

Property

The property consists of six claims (Figure 2). They are:

Claim Name	Record No.	Expiry Date*
Sue 1	1809	May 28, 1997
Sue 2	1810	"
Sue 3	1811	"
Sue 4	1812	"
Sue 5	2193	October 28, 1995
Sue 6	2194	"

* Pending acceptance of recently filed assessment work.

Sue 1 to 4 claims are owned by M.P. Warshawski, 6326 Montgomery Street, Vancouver, B.C. and are held under option by Decade International Development Ltd.

Sue 5 and 6 were staked for Decade International Development Ltd. who now beneficially own the claims.

Any legal aspects pertaining to the claims is beyond the scope of this report.

History

The history of the property area is described in detail in the writer's previous reports, to which the reader is referred. The following is a brief historical summary.

Prospecting in the vicinity of the present Sue claims by the Rainbow Syndicate in 1976-77 located minor chalcopyrite as veinlets in metavolcanics within a pendant in the Coast Plutonic Complex. During 1978, Riocanex explored the area and after locating one stream anomalous in copper and zinc, staked the area and conducted geological and geophysical surveys. They located one large and a number of smaller areas anomalous in copper with partially coincident zinc and lead anomalies. They also recorded a one station VLF-EM and Max-Min anomaly. They conducted no further work.

Mike Warshawski, prospecting the area in 1983, located one stream anomalous in cobalt as well as copper and zinc. He then ran a small soil survey, the results of which also returned a number of samples highly anomalous in the same elements. He staked four two-post claims to cover the area of interest, which occurred within the area formerly held by Riocanex.

In 1987, Decade International Development Ltd. optioned the four claims, then staked two-20 unit claims to give adequate coverage of the area. During 1988-89 they conducted geological and geochemical surveys, a UTEM geophysical survey and limited VLF-EM and I.P. Surveying. The results of this work indicated a large area to be anomalous in copper, zinc and cobalt and crossed by several weak UTEM conductors. Between June 6 - 20, 1991 the company tested a part of the above anomalous area with two diamond drill holes. The following report describes the results of this drill program.

REGIONAL GEOLOGY

The Sue claims are underlain by Lower Cretaceous Gambier Group rocks which form a pendant within the Cretaceous to Tertiary Coast Plutonic Complex.

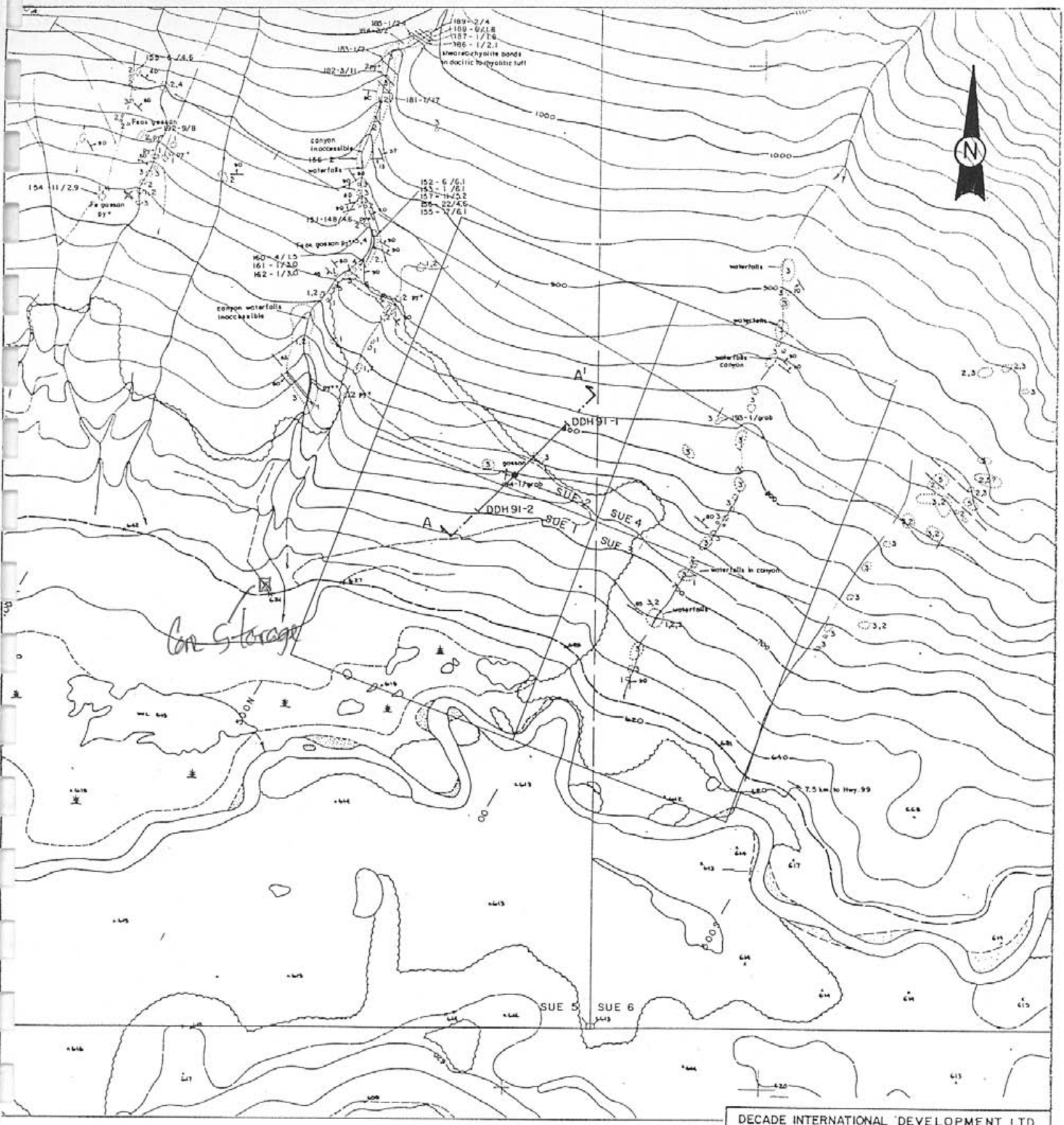
The Gambier Group rocks consist of intermediate to acid marine volcanics and sediments. Andesites dominate the volcanic portion of the pendant in the claims area. They range in lithology from flows and flow breccias to tuffs, lapilli tuffs, and agglomerates. Dacites, principally tuffs but also flows, flow breccias, lapilli tuff, agglomerates and crystal tuffs represent less than 10% of the volcanic portion of the pendant, although locally they are the dominant rocks. Most of the dacites contain minor disseminated pyrite with local concentrations up to 2-3%. Rhyolites form a minor part of the volcanic section.

Sediments comprise a substantial proportion of the exposed rocks in the pendant. They include shales, greywackes, quartzites, and arkosic quartzites and cherts. Minor disseminated pyrite is common throughout the sediments.

The Gambier Group rocks host the Britannia Mine, a volcanogenic massive sulphide deposit which was a successful producer of copper for many years.

PROPERTY GEOLOGY

The claims are underlain primarily by volcanic rocks which are rhyolitic, dacitic or andesitic in composition. Most appear to be pyroclastics, and include tuffs, lapilli tuffs and volcanic breccias. Some flow units may also be present. All units are interbedded and difficult to correlate due to the poor outcrop exposures. Contacts and bedding are rarely seen but where observed they strike north 40-50° west and dip 60-65° to the northeast.



LEGEND :—

CRETACEOUS OR EARLIER
- 6 Lamprophyre dyke

COAST RANGE INTRUSIVES
- 5 Diorite and granodiorite

LOWER CRETACEOUS
Gambier Group
- 4 Quartz - sericite schist
- 3 Andesite - mainly tuffs
- 2 Dacite - mainly tuffs
- 1 Rhyolite - tuffs

Drill hole

Limit of outcrop
Fracture
Bedding
Schistosity
py* 32% pyrite
Creek
Dry gully
Main logging road
Abandoned logging road

154-11/2.9 Sample No. — Au in ppb / Width in metres

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SUE CLAIMS
GEOLOGY

SOO RIVER, WHISTLER AREA
N.T.S. 92J-2W VANCOUVER M.D., B.C.

0 100 200 300 400 500 METRES

SCALE AS SHOWN	JUNE 1991	FIG. 3
H. M. JONES		

Rhyolitic and dacitic tuffs with lesser andesitic tuffs form a distinct unit trending through the central part of the survey area (Figure 3). They are well exposed along a creek which lies between lines 7N and 9N and a small parallel stream lying to the southeast of it. The rhyolitic and dacitic rocks are locally strongly fractured, heavily iron-stained and well mineralized with disseminated pyrite (2-5% pyrite), especially near line 8N from 0W to 1W. Quartz-sericite schist, also very pyritic, occurs in areas of shearing.

This unit grades into an andesitic-dacitic unit near line 8+50N, at 0+50E. Upstream from this point the creek is within a steep-walled canyon characterized by massive volcanics as compared to the highly fractured rhyolite-dacite unit located immediately downstream.

Similar rhyolitic and dacitic rocks occur at the lower end of the creek which follows grid line 1S, but the andesitic content is higher. In this creek, the rhyolite-dacite unit grades upward into mostly interbedded andesites and dacites. Further upstream massive andesite is the dominant rock.

Medium to coarse grained granite outcrops near line 4S, 1E. It appears to be dyke-like and striking approximately N50°W. Slightly northeast of here a dacite outcrop is feldspathized, has a somewhat granitic texture, and may contain a granite dyke. This area appears to be altered due to its close proximity to the contact between the pendant and the Coast Range Plutonic Complex.

ALTERATION AND MINERALIZATION

Rhyolitic rocks within the rhyolite-dacite unit exposed in creek gulleys are locally strongly sheared and altered to quartz-sericite schists, occasionally accompanied by narrow quartz veinlets.

Andesitic rocks are often weakly to moderately chloritized. Several small exposures were seen where shearing altered these rocks to chlorite schist.

Epidote is common throughout the andesitic and to a lesser degree the dacitic rocks as small grains and masses as well as fine stringers, some accompanied by quartz.

Pyrite is ubiquitous throughout all rocks, but commonly is much more abundant in the highly fractured rhyolitic and dacitic units and in the quartz-sericite schists. Pyrite concentrations from 2% to 5% are common in these rocks, especially is the schists.

DIAMOND DRILLING

The diamond drill program, totalling 1,294 feet (393.8 m), was contracted by Boisvenu Drilling Ltd. using a Hydracore "Gopher" drill. It was operated by a two-man crew on a one-shift per day basis. The first hole - S 91-1 - was drilled 651 feet (198.1 m) using AQ "thin wall" equipment which produced a core size of approximately 1-3/16 inches (30 mm) diameter. The second hole - S 91-2 - was drilled for 195 feet (59.3 m) using BQ "thin wall" equipment, producing a core of approximately 1-5/8 inches (42 mm) diameter, and the remaining 448 feet (136.3 m) using the AQ "thin wall" equipment.

The rods used in the drilling were in five foot lengths and the core tube ten feet long. For convenience, all measurements were made in feet and reported in this manner by the driller. Core logging was also done in feet.

The entire length of each hole was split and in almost all cases sampled in 10 foot sections.

The following is a summary of each drill hole. A complete log accompanies this report as Appendix I.

A

A'

All clear - cut logged

No logging

Weak UTEM conductor

Up slope limit of Cu, Zn, Co soil anomaly

ELEVATION IN FEET

2500

2400

2300

2200

2100

2000

DDH S91-1 -42°

DDH S91-2 -60°

Approx. location water seeps soils in proximily very high in cobalt

Centre of alignment of weak one-station UTEM conductor.

Water course

Inferred overburden contact

Narrow lamprophyre dyke on fault

EOH 643' (197.7m.)

EOH 651' (198.1m)

LEGEND

- 6 Granodiorite dyke
- 5 Lamprophyre dyke
- 4 Rhyolitic tuff
- 3 Dacitic tuff
- 2 Andesitic tuff
- 1 Volcanic breccia — 1a many clasts >2", 1b most clasts <1"

~~~ Fault

SECTION LOOKING N45°W

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SUE CLAIMS

DRILL HOLE SECTION A-A'

SOO RIVER, WHISTLER AREA

N.T.S. 92J-2W VANCOUVER M.D., B.C.

0 10 20 50 METRES

0 20 100 200 FEET

SCALE : AS SHOWN	JUNE 1991	FIG. 4
H.M. JONES		

CHONG
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(a) DDH S 91-1 - drilled N45E at -42° for 651 feet (198.1 meters)

This hole was entirely within pyroclastic rocks except for one narrow dyke. These rocks ranged from coarse volcanic breccia or lapilli tuff to fine grained rhyolite tuff.

The coarse fragmental unit included clasts ranging from 1/8 to 1 inch or greater in diameter (3 to +25 mm) in a fine grained grey to green tuffaceous matrix. The clasts were mostly fine grained grey dacitic to andesitic tuff with lesser dark green to black fine grained andesite tuff and quartz and/or cherty tuff. The matrix was moderately to strongly chloritized. Epidote occurred as partial to total replacements of some clasts, as irregular veinlets and to a lesser degree as pervasive alteration.

The pyroclastic rocks graded from the above to fine and medium grained units, also moderately to strongly chloritized, with variable epidote veinlets. The finer grained varieties contained no or few coarser clasts. In logging the core, these rocks were separated according to grain size and/or the degree of alteration. Most were considered to be andesitic in composition with lesser sections dacitic.

A distinctive light grey-white, fine-grained rhyolitic tuff unit was intersected in the lower part of the hole, followed by a similar but weakly chloritized unit.

Two dark brown to black, narrow, lamprophyre dykes were intersected. Both appeared to be following late faults. Scattered mafic phenocrysts were strongly chloritized.

All of the above units are massive, with either poorly defined or only a hint of bedding. They are generally strongly fractured, with fractures commonly at low angles and at 30° - 45°.

A number of fault and/or fracture zones were intersected, the drilling of which, in several instances, was difficult and resulted in considerable core loss over short intervals. The driller reported significant water flow from several fault zones.

Mineralization consisted of mostly pyrite occurring as bright shiny cubes on fractures, in epidote and quartz-epidote veinlets, and in epidotized clasts. Overall content of pyrite was less than one percent.

Very minor chalcopyrite was present as an odd grain in or adjacent to narrow quartz veinlets.

No significant mineralization or alteration was observed in this hole. The weak UTEM conductor probably reflects one of the water-filled faults intersected in the hole.

(b) Hole S 91-2 - drilled S45W at -60° for 643 feet (195.7 m)

The geology encountered in this hole was similar to that seen in the first hole except it contained a greater number of very coarse beds of volcanic breccia. This rock type, where exposed in outcrop just west of the drill collar, contained clasts of various volcanic and cherty units up to 6 inches (150 mm) in diameter. In the hole, clasts to 4 inches (100 mm) were intersected.

Rhyolite tuff was intersected towards the bottom of the hole. Its upper part had distinct, fine bedding, which was absent throughout the rest of the hole.

A narrow granodiorite dyke was cut near the top of the hole. While its upper contact area was weakly clay-altered, the remainder of it was very fresh. Its lower contact was marked by clay gouge. A lamprophyre dyke, similar to that encountered in the first hole, was intersected near the bottom of this hole.

The remainder of the hole was relatively fine grained andesitic tuff. Most of it was massive with only a light scattering of 1/2 inch (12 mm) clasts.

As in the first hole, chlorite and epidote alteration were common to all rocks except the rhyolite tuff and the dykes. Mineralization was also similar, limited to minor pyrite as disseminations, on fractures, and in epidote and/or quartz veinlets.

Limonite on fractures was relatively abundant to approximately 325 feet in the hole. Since this hole was drilled down-slope beneath an area of suspected deep overburden, the limonite probably reflects the effects of near surface weathering.

A number of strong fault zones were encountered. These may account for the one-station UTEM anomalies recorded in proximity to this hole. Fracturing was also strong throughout most of the hole.

No significant alteration or mineralization was observed in the hole.

SAMPLES AND ASSAYS

No obvious economic mineralization was observed when logging the core. For this reason it was decided to sample the entire core and assay it by rock geochemical methods. The purpose of this was to see if the results showed anomalous values suggesting a mineralized zone may be in proximity to the drill area.

The entire core was sampled, in all but a few sections, in 10-foot intervals. Each was assayed by Acme Analytical Laboratories Ltd. using the ICP method for 30 elements. Gold was assayed separately using the acid leach - atomic absorption method.

The assay results accompany the drill logs in Appendix I. They show low values for all elements assayed. Copper, zinc, cobalt and to a lesser degree lead, which were strongly anomalous in the soil samples, all assayed in the background range. Arsenic and antimony, common indicator elements for gold, were also very low.

CONCLUSIONS

It is concluded that the package of volcanic rocks present in the drill area did not contain sufficient base metal mineralization to be the source of the soil geochemical anomalies located during an earlier program. It is also concluded that the anomalies must be transported from a source as yet not located.

RECOMMENDATIONS

A contractor for Richmond Plywood, owner of the timber in the claims area, will be building logging roads to the east and to the north of the drill area. Since these roads will pass through areas of geochemical anomalies and weak UTEM conductors all rock cuts should be mapped and any mineralization exposed be sampled. Additional work on the Sue claims may be contingent on the results of the above work.

Respectfully submitted,

Harold M. Jones, P.Eng.

REFERENCES

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McLeod, J.W. (1985) - Geochemical Report on the Sue Claims, filed for assessment work.

Woodsworth, G.J. (1977) - Geology, Pemberton (92J) Map Area, Geol. Surv. Can. Open File 482.

Assessment Reports 6573, 6581 and 8576.

CERTIFICATE

I, Harold M. Jones, of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a Consulting Geological Engineer with offices at 605 - 602 West Hastings Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia in Geological Engineering, 1956.

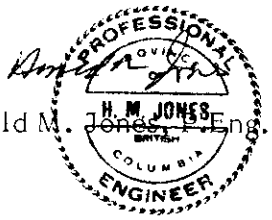
3. I have practised my profession as a Geological Engineer for over 30 years.

4. I am a member of the Association of Professional Engineers of British Columbia, Registration No. 4681.

5. I conducted geological mapping on the Sue claims and supervised the geochemical-geophysical programs which were conducted on the property during 1988-89. I supervised the recently completed diamond drill program and logged and sampled each hole.

6. I have no interest in, nor do I expect to receive any interest, direct or indirect, in the Sue claims or in the securities of Decade International Development Corp.

Dated at Vancouver, B.C. this 27th day of June, 1991.



Harold M. Jones, P. Eng.

APPENDIX I

DRILL HOLE LOGS AND ASSAY CERTIFICATES

Hole No. S 91-1 Page No. 1 of 11

Coordinates: 2+85 N 3+10 W

Collar elev. 2415 feet (735 metres) Bearing N 45 E

Inclination -42° Total Depth 651 feet (198.1 m)

Date Started June 7, 1991

Date Finished June 14, 1991

Ref. to Claim Corner 625 ft. (190m) N 59 W from I.P. Sue 1-4

Logged by H. M. Jones

COMMENTS: Entire hole in a package of pyroclastic rocks which include coarse volcanic breccia (lapilli tuff), andesite tuff with lesser dacite and rhyolitic tuffs. Mineralization consists of minor cubes of pyrite on epidote, quartz-epidote and chlorite fractures and veinlets. Very sparse chalcopyrite in or adjacent to very narrow quartz veins.

AVE. CORE REC'Y HOLE: 95.6%

DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SECTION | ALTERATION: Chlorite, Epidote, Silica | FRACTURING | MINERAL | GEOLOGY

0 – 5.0' - Casing - no core

5.0 – 99.0' - Volcanic breccia - coarse pyroclastic, abundant clasts ranging from ¼" to 1" or more in diameter; clasts rounded to angular, include quartz, chert, dark green chloritic and gray fine grained tuffs, the latter being the most common. Matrix fine grained, gray, tuffaceous. Entire section moderately chloritized and epidotized producing overall dark green colour. Some clasts strongly epidotized. Epidote commonly as fine veinlets. Moderate fracturing @ 45°, many with chlorite. Minor fine disseminated pyrite cubes.

19.5' - leached, ep-sil on fault zone @ 45°

20.5' - similar faulting

30.0 – 35.0' - appreciable diss. py as fresh, bright cubes (< 1% py), also on fine fractures

35.0' – 99.0' - minor pyrite throughout as disseminations, on fractures, in small clusters with epidote and/or quartz.

50.0 - vague bedding @ 30°

57.5 – 62.0 - core broken at low angles, weak leaching, probable faulting. Some core loss here.

Project Decade International Dev. Ltd Location Sue Claims, Soo River Area Hole No. S 91-1 Page No. 2 of 11

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
61	85		60	← moderate →	← moderate →			F(?)
68	100		70					
76	100		80					
96	92		90					
102	93		100	← moderate →	← strong →		F	
116	100		110					
			120					
			125					

COMMENTS:

AVE. CORE REC'Y/HOLE:

F(?) Volcanic breccia (con't)

64.0 - vague bedding @ 45°

66.0 - coarse py

71.0 - vague bedding @ 80° - 90°

72.0 - chlorite fr @ 15°

75.0 - 97.0 - marked increase in epidote as alteration of clasts and irregular patches and masses in matrix.

95.0 - 96.5 - very broken, chloritized, vuggy, leached Fe ox frs, some core loss here.

99.0 - 156.5 - Tuff - andesitic, gray-green, much finer fragmental than previous section. Upper contact broken with chlorite on fractures and fine epidote veinlets @ 45°. Entire section strongly fractured, softer than previous section. Minor py throughout.

101.0 - driller reported hole making water at this point.

103.0 - $\frac{1}{4}$" @ t_3 - ep vein, vuggy

110.0 - small patch py cubes

115.0 - $\frac{1}{8}$" calcite veinlet @ 0°

117.0 - $\frac{1}{8}$" ep veinlet @ 15° with py

Project Decade International Dev Ltd. Location Sue Claims, Soo River Area Hole No. S 91-1 Page No. 3 of 11

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
126	100		125	← moderate →	← moderate →			
133	67		130					
136	71		140					
143	6		150	← weak →				
151	100		160				F	
161	85		170					
171	80		180					
181	100		190					

COMMENTS:

AVE. CORE REC'Y/HOLE:

Tuff (con't)

126.0 - ep. veinlets @ 45°

130.0 – 155 – very broken, many frs @ 30° -45° with ep. and weak FeOx, some vuggy. Chlorite alteration weakens after 133.0

143 - 151 - core tube problem, most of core lost.

155.0 - 156.5 - hard gray dacitic tuff, several epidote veinlets with py, no FeOx

156.5 – 195.0 - Tuff - dacitic, similar to above but much less chlorite, Scattered FeOx frs @ 15° - 45°, some with epidote. Slightly vuggy due to weathering of carbonates, ep. often in vuggs with py. Few epidote clasts with py. Local sections hard, otherwise core mostly soft.

162.0' - driller reported hole making water at this point

173.0 – vuggy, FeOx - ep frs at low angles

182.0 - 183.0 – frs parallel to core - minor fault(?)

185.0 - chlorite slip @ 40°

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: chlorite	ALTERATION: Epidote	ALTERATION	FRACTURING	MINERAL	GEOLOGY
191	100		190	weak	moderate →			F	
201	100		200		moderate →			F	
211	100		210					F	
217	100		220						
226	100		230						
236	100		240						
246	100		250						
252									

COMMENTS:

AVE. CORE REC'Y/HOLE:

Tuff (con't)

190.0 – 195.0 – well fr'd with FeOx, few cubes py.

195.0 – 238.0 – Andesitic Tuff – dark gray, medium grained, many small epidotized feldspar grains, also numerous epidote veinlets. Minor pyrite throughout, often in ep. clasts. This section massive, hard, not all broken like previous section. May be crystal tuff.

203.0 – driller reports hole making water here.

210.0 – broken, gouge, probable fault @ 15°, with small mass py (or cpy?)

211.0 – chlorite gouge on fr @ 40°

222.5 – $\frac{1}{4}$" – $\frac{3}{4}$" qtz vein @ 30°

230.0 – to end of section – epidotized grains lessen or are absent

233.0 – $\frac{1}{4}$" qtz vein @ 90°

235.0 – $\frac{1}{4}$" qtz vein @ 90°

238.0 – 293.0 – Andesitic tuff – grey, medium grained, vague mafic clasts; moderate fracturing, some with chlorite or carbonate; moderate chlorite alteration throughout.

241.0 – coarse py

249.0 – strongly fractured @ 45° and low angles, carbonate as thin coatings.

DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SECTION | ALTERATION: Chlorite, Epidote | FRACTURING | MINERAL | GEOLOGY

COMMENTS: AVE. CORE REC'Y/HOLE:

255 260 270 280 290 300 310 320

261 271 278 282 290 296 306 316

100 100 100 62 88 100 100 100

Chlorite: moderate → ← moderate

Epidote: moderate → ← moderate

F F

Andesitic tuff (con'd)

255.0 - two 1/8" calcite veinlets @ 45°

258.5 - 1/4" calcite veinlet @ 90°

260.0 - 269.0 - ep. as weak alteration of feldspar clasts and as hairline fvs @ 0° and 30°, carbonate on some fractures. This section similar to 195.0 - 238.0.

263.0 - dark band @ 45° - bedding(?)

277.0 - core very broken

278.5 - 282.0 - core very broken

284.7 - 1/4" qtz vein @ 90°

288.5 - 290.0 - weakly epidotized feldspars and narrow epidote veinlets, similar to 260.0 to 269.0

290.0 - 291.5 - light gray, banded, silicious rhyolitic volcanic breccia, faint coarse clasts, bedding @ 40°

293.0 - 299.0 - Dacite tuff grading to volcanic breccia. Chloritized dark matic grains and weakly epidotized grains. Upper contact sharp @ 30°

From 296.0 - bedding variable, with coarse clasts - chloritized. Coarse pyrite cubes 2% - 2%.

299.0 - 312.0 - Andesitic tuff - dark green, chloritized, few coarse ep. clasts, upper part with scattering ep. alt'd feldspar grains and epi stringers, similar to 288.5 to 290.0.

311.8 - thin chlorite gouge on 45° fvs.

312.0 - 400.8 - Andesitic tuff - dark green, epidotized feldspars and veinlets throughout. Similar to start of previous section, chloritized.

313.0 - broken, chlorite gouge on fvs.

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
			320	← moderate →	← moderate →			
326	100		330					
	100							
336			340					
	100							
346			350					
	100							
356			360					
	100							
366							F	
	80		370					
371								
	93							
378			380					
	100							

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuff (con't)

328.0 - few grains py on ep. veinlets @ 50°

332.0 - few grains py

341.0 - minor fine py

343.0 - 346.0 - very minor fine py.

348.5 - 351.0 - scattered coarse py cubes, one py veinlet

364.0 - very minor py as diss. and on frs.

366.0 - Fault - high water flow, core loss (1 ft)

376.0 - coarse py on frs

378.0 - S/p @ 20°, very broken, probable small core loss.

382.0 and 384.0 - coarse py on frs.

Project Decade International Dev. Ltd. Location Sue Claims, Soo River Area Hole No. S 91-1 Page No. 7 of 11

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	ALTERATION		FRACTURING	MINERAL	GEOLOGY
386			385							
	100		390							
396									F	many faults(?)
	70		400						F	+ + +
401										
	75									
405										
	67		410	← moderate →	← moderate →					
411										
	100		420							
421										
	100									
426										
			430							
	100									
436										
			440							
	100									
446										
			450							

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuff (con't)

386.0 to end of section - slight decrease in epidote

390.0 - very broken
391.0 - scattered carbonate veinlets @ 45°

394.5 - very broken

396.0 - 400.8 - fault zone, very broken, core loss.

400.8 - 403.5 - black, fine grained, lamprophyre dyke - both contacts very broken.

403.5 - 469.0 - Dacitic tuff - gray, fine grained - very broken to 412.0, brecciated or coarsely fragmental.
Scattering of $\frac{1}{8}$" - $\frac{1}{4}$" qtz-carb veins throughout section at 20° - 45°, along with epidote veinlets.
Section moderately chloritized and epidotized.

413.0 - 1" fine grained chloritic band @ 50°

420.0 - 422.0 - qtz-carb veinlets with minor py

425 - py on fr @ 30°

436.5 - qtz-carb fr with coarse py

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	ALTERATION: Silica	FRACTURING	MINERAL	GEOLOGY
			450						
	100			← moderate →	← moderate →				
456									
	100		460						
460									
	100								
			470						
476									
			480						
	100			← nil →	← weak →				
489			490						
	100								
493				← mod	← mod				
	100		500						
501				← weak →	← weak →				
	100								
			510						
511				← mod	← mod	weak			
			515						

COMMENTS:

AVE. CORE REC'Y/HOLE:

Dacitic Tuff (con't)

459.0 – coarse py and pyr(?)

461.5 – creamy sil band @ 30° with coarse pyr, minor cpy

463.0 – py veinlet @ 10°

466.5 - 467.5 - light gray, finely bedded siliceous zone - rhyolitic tuff(?). Bedding irregular from 0° to 10° at upper contact to 20° at lower contact

469.0 – 494.5 – Rhyolite tuff - gray-white, massive, fine grained, hint of bedding @ 30°. Upper contact sharp @ 30°. Fine epidote veinlets throughout.

473.0 - numerous rounded to elliptical quartz grains bedded @ 30°

480.0 - acid test - 47° uncorrected

493.0 – numerous rounded to elliptical quartz grains bedded at 30°

494.5 – lower contact sharp @ 30°

494.5 - 499.0 – Andesitic tuff - gray-green, fine irregular epidote veinlets

499.0 – 512.0 – Rhyolitic to Dacitic Tuff - to 501.0 somewhat similar to 469.0 – 494.5 but more chloritic, then becomes slightly darker with epidotized clasts - small - and fine chloritized mafic laths. Hematite on fractures 511-512

505.5 - ½" qtz vein @ 45°, few grains cpy and pyr.

512.0 – 646.0 – Andesitic Tuff - dark gray-green, massive. Entire section with moderate to strong

DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SECTION | ALTERATION: Chlorite, Epidote, Silicia | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE. CORE REC'Y/HOLE:

515 520 530 540 550 560 570 580

100 100

571

Andesitic Tuff (con't)

chlorite alteration and moderate epidote alteration, the latter as veinlets, small masses and altered small clasts, similar to 312.0 – 400.8

511.0 – ½" qtz vein @ 30° with minor cpy

513.0 – two ⅛ py veinlets in qtz @ 45°, minor cpy

← moderate →

← moderate →

← weak →

Section to 530.0 – hard, weakly silicified

530-562 – section includes light scattering of epidotized clasts ½" – 1" diameter, rock is coarser grained than previous section, softer, less silicification

543.0 – weakly brecciated with carbonate fillings, minor py

555.0 – 560.0 – scattered narrow qtz – ep veinlets with appreciable py.

562.0 – 575.0 – epidotized clasts almost absent

563.0 – frs with massive py

Rock locally weakly silicified

575.0 – 646.0 – scattered coarse epidotized clasts and numerous epidotized grains and veinlets.

Project Decade International Dev Ltd. Location Sue claims, Soo River Area Hole No. S 91-1 Page No. 10 of 11

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
581	100		590	moderate →	moderate →			
591	86		600					
598	100		610					
611	75		620					
624	100		630					
631	100		640					
641								

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuff (cont)

581.0 – 1" epidotized qtz-fel band, upper contact at 40°, lower @ 70°

584.0 – Several ½" qtz veins, margins with chlorite

586.0 – 588.0 – several ¼" qtz veins @ 70° and 30°, one with few grams cpy.

589.0 – py on fr.

602.0 – ½" qtz vein @ 20° with chlorite

605.0 – very broken, includes narrow lamprophyre dyke.

606.0 – 1½" qtz vein @ 45°

608.0 – ½" qtz vein

Very broken 605.0–606.0; 608.0–610.0; and 613.5–615.0

623.0 – coarse py cubes on ep. fr @ 40°

629.0 – ¼" massive py vein in 3/4" band ep alt'n

641.5 – ⅛" py veinlet

Project Decade International Dev Ltd. Location Sue Claims, Soo River Area Hole No. S 91-1 Page No 11 of 11

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	ALTERATION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE. CORE REC'Y/HOLE:
			645								Andesitic Tuff (con't)	
		100		← mod →	← mod →				F F		646.0 - 646.8 - lamp. dyke - in brecciated zone - fault 646.8 - 651 - Andesitic Tuff - same as prior to dyke.	
651			650									

END OF HOLE 651 feet

Hole No. S91-2 Page No. 1 of 10

Coordinates: 2+85N N 3+13 W

Collar elev. 2415 ft (735m) Bearing S45W

Inclination -60° Total Depth 643 ft (197.7m)

Date Started June 15, 1991

Date Finished June 20, 1991

Ref. to Claim Corner 625 ft (190m) N59W from I.P. Sue1-4

Logged by H. M. Jones

COMMENTS: Entire hole mostly andesitic tuff with sections of fine to coarse volcanic breccia (lapilli tuff). Minor rhyolite tuff. Minor pyrite throughout as cubes on epidote fractures and in epidote ± quartz veinlets. Trace amounts chalcopyrite.

AVE. CORE REC'Y HOLE: 95.3%

No significant alteration or mineralization observed.

DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SECTION | ALTERATION: Chlorite, Epidote | FRACTURING | MINERAL | GEOLOGY

0-5 – Casing – no core

5.0 – 11.5 – Volcanic breccia – coarse clasts to several inches or more in diameter, includes dark volcanic porphyries and light gray chert.

11.5 – 14.5 – Andesitic tuff – fine grained with rounded ½" dia. epidotized clasts. Ground mass chloritized. Upper contact sharp @ 45°, lower broken @ 70° (?)

14.5 – 37.0 – Volcanic breccia – coarse clasts ½" – 1" dia, not as coarse as 5.0 – 11.5, many siliceous or cherty clasts, also dark volcanic and epidotized clasts. many fractures @ 30° – 45°, numerous ones with heavy Fe ox. Very minor diss py.

20.0 – 25.0 – includes some much coarser clasts

23.0 – fractured at low angles, brecciated, cemented with Fe ox

37.0 – 40.0 – Andesitic tuff – fine grained, dark gray, with fine carbonate laths suggesting bedding @ 40°, with ep. clasts to ½" dia. Lower contact @ 40° with epidote cementing fine breccia, minor py.

40.0 – 43.0 – Granodiorite – coarse grained, upper part weakly clay altered, remainder fresh. Lower contact broken with clay gouge.

43.0 – 410.5 – Andesitic tuffs – variable textures

42.0 – 47.0 – light gray f.gr matrix with numerous ⅛" feldspar and ⅛" – ⅜" mafic clasts

47.0 – 54.0 – similar, but mafic clasts absent and feldspar ones much smaller. Strongly fractured @ 45° with epidote veinlets. Lower contact gradational

50.0 – 1" fault gouge

50.0 – 50.5 – abundant coarse py.

54.0 – 61.0 – similar to 42.0 – 47.0. Upper contact @ 60° (?)

57.0 – 57.5 – epidote – carbonate veinlets @ 30° – possibly filling fault (?)

Project Decade International Dev. Ltd. Location Sue Claims, Soo River Area Hole No. S91-2 Page No. 2 of 10

DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SECTION | ALTERATION: Chlorite, Epidote | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuffs - con't

61.0-75.0 - f.gr. similar to 47.0-54.0. Numerous $\frac{1}{8}$"-$\frac{3}{4}$" epidote filled fractures, many @ 45°, some vuggy with FeOx, weak carbonate alteration.
Coarse py at 62', 65' and 67'

75.0 - very broken with limonite frs

75.0-100.0 - m.gr. gray tuff, many small white feldspar clasts, with mafic clasts $\frac{1}{8}$"-$\frac{1}{4}$" dia. increasing at 80'
moderate to strong chlorite alteration. well fr'd, many with chlorite and epidote, some slickensides to 80'.

Very broken 83-95 with core loss. Fractures with epidote, carbonate or FeOx. Between 85-90 strongly fr'd parallel to core.

100.0 - very broken, FeOx on frs

100.0-110.0 - dacitic tuff - gray, f.gr., small mafic clasts
102.0 - 1" qtz vein with chlorite walls
103.0 - 104.0 - abundant fine py cubes on frs.

109.5-110.0 - many vuggy epidote veins @ 20°
110.0-113.0 and 115.0-115.5 - many low angle fractures, strongly chl'd, ep. veinlets - fault zones.

115.5-120.0 - f.gr. dark gray tuff, few coarse-$\frac{1}{2}$" - mafic clasts. may hairline epidote frs @ 20°

120.0-140.0 - massive tuff - f.gr, dark gray, relatively hard.

123.0-124.0 - fractures @ 10° with heavy FeOx, very sparse coarse clasts.

Project Decade International Dev. Ltd. Location Sue Claims, Soo River Area Hole No. S91-2 Page No. 3 of 10

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: chlorite	ALTERATION: Epidote	ALTERATION: Silicia	FRACTURING	MINERAL	GEOLOGY
130	100		125–130	← moderate →					
	100		130–140	← moderate to strong →	← moderate →				
140	100		140–150						
150	100		150–160						
160	100		160–170	← moderate →					
170	100		170–180						
180	100		180–190			← weak →			
190									

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuffs - con't

1260 – 127.0 – light FeOx on frs

136.0 – py on narrow epidote veinlets

140.0 – 155.0 – relatively soft, strongly fractured at 45°, locally at 0° and 20°, some with FeOx. Vuggy epidote veins throughout. moderate to strong chlorite alt'n.

145.0 – FeOx frs, possible cpy

155.0 – 170.0 – similar to previous but with more massive sections.

163.0 – coarse py on fr

170 – 176.0 – strongly fractured, some with FeOx

184.0 – 191.0 – slightly siliceous, vague coarse clasts

189.0 – chlorite slips @ 45°

Project Decade International Dev Ltd. Location Sue Claims, Soo River Area Hole No. S 91-2 Page No 4 of 10

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
			190	← moderate →	← moderate →			
195	100		200					
202	100							
210	100		210					
220	100		220				F	
230	100		230				F F	
235	70		240					
240	33							
246	100		250					
255								

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesite Tuffs - con't

191.0 - FeOx on frs

195.0 - FeOx on frs

Numerous epidote veinlets throughout @ 30° - 40°

Strongly fr'd 202.0, 205.0 - 210.0

211.0 - vuggy fre 45° with FeOx

221.0 - vuggy epidote fre 25° with FeOx

222.0 - 1/8" fault gouge @ 45°

227.0 - vuggy fre 15° with FeOx

234.0 - 247.0 - Very broken, gouge at 234 and 235, core loss 240-246

247.0 - 270.0 - core becomes solid but is still well fractured

Project Decade International Dev. Ltd Location Sue claims, Soo River Area Hole No. S 91-2 Page No. 5 of 10

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Silica	FRACTURING	MINERAL	GEOLOGY
			255	← moderate →	← moderate →			
	100		260					
265								
	100		270					
274								
	100						F	
279			280					
	100							
285								
	100		290					
292								
	100							
296								
	100		300					
301								
	100							
307								
	100		310					
312								
	100							
319			320					

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuff - con't

257.0 - 1" qtz - ep vein @ 15°

262.0 - ep. fr at 40° with py cubes

264.5 - ep. frs with py

269.0 - ep. fr @ 60° with FeOx

270.0 - 290.0 - about 50% of core badly broken

271.0 - frs. with FeOx., possible rhodonite with epidote to 272.0

275.0 - 1/8" gouge @ 40°, clast altered to rhodonite?,

289.0 - 290.0 - thin epidote - rhodonite veinlets @ 0°

292.0 - 299.0 - badly broken

299.0 - py on fr @ 15°

300.0 - 302.0 - minor py on frs

304.0 - FeOx on frs

311.0 - becomes more massive, much more solid than previous section, still with scattering of epidote hairline veinlets, few wider epidote veinlets - 1/16" - 1/4"

315.0 - 1/4" ep. vein with py @ 10°

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
320			320	← moderate →	← moderate →			
324	100							
	100		330					
332								
	100							
337								
	100		340					
341								
	100							
349			350					
	100							
355								
	100		360					
360								
	100							
369			370					
	100							
374								
	100		380					
385								

COMMENTS:

AVE. CORE REC'Y/HOLE:

Andesitic Tuff - cont

327.5 - $\frac{1}{4}$" ep veins @ 30° with py & FeOx, dies py to 328.0

330.0 - $\frac{1}{4}$" ep. vein @ 20°, vuggy

338.0 - very broken at low angles
338.5 - ep. veins @ 30° with py.
340.0 - 410.5 - epidote veins much fewer
342.0 - 347.0 - few $\frac{1}{2}$" - 1" dia. dark matic clasts

372.0 - becomes fresher, harder, more competent. Prior to here rock mostly soft, very highly fractured with a number of slips at low angles. Rock is all tuffaceous with a light scattering of epidotized feldspar clasts. Very few dark, matic clasts $\frac{1}{4}$" - $\frac{1}{2}$". Fine epidote hairline veinlets are common but wider veins seen earlier are absent.
Rock massive but has a hint of bedding @ 30°

379.0 - py on ep. - carb. fr

Project Decade International Dev Ltd Location Sue claims, Soo River Area Hole No. S 91-2 Page No. 7 of 10

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
385			385					
	100		390	← moderate →	← moderate →			
390								
	100		400					
400								
	100		410					
410								
	100							
416								
	90		420				F	
421								
	75						F	
425								
	100		430					
435								
	100		440					
445								
			450					

COMMENTS:

AVE. CORE REC'Y/HOLE:

392.0 - Slip @ 30°

410.5 - 421.0 - Coarse volcanic breccia - angular clasts from ¼" to > 2". Clasts commonly black, fgr. volcanic.
Upper contact sharp @ 30°

Strongly fr'd 416 - 420, with gouge and chlorite slips @ 418.0

421.0 - 424.0 - massive tuff - fine grained, dark green. Strongly fr'd 422.0 - 424.0 with gouge @ 422.0

424.0 - 441.5 - grades into medium to coarse volcanic breccia - clasts ¼" to ± 2". Clasts include dark volcanics and chert. Rock hard.

430.0 - ⅛" ep vein @ 10° with py

430.0 - 465.0 - pyrite on fractures and as disseminations - more than elsewhere in hole.

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
455	100		450	← moderate →	← moderate →			
465	100		460					
475	100		470					
485	100		480					
495	100		490					
505	100		500					
515			510					

COMMENTS:

AVE. CORE REC'Y/HOLE:

Volcanic breccia - con't

463.0 - large clast ± 4" dia

465.0 - 494.5 - marked decrease in amount of

468.0 - fr @ 0° with weak Fe ox

483.0 - 2" rhyolitic bed @ 30°

494.5 - 498.0 - Volcanic breccia - lighter green and finer grained than above, scattering of 1/8" epidotized feldspar clasts. only one clast 1" diameter.

498.0 - 500.0 - Andesitic tuff - fine grained, green, no coarser clasts.

500.0 - 520.0 - Coarse volcanic breccia - similar to 494.5 - 498.0 but with clasts up to 2" dia. Clasts are a variety of colours - light green, dark green, purple - all with epidotized small feldspar phenocrysts.

510.0 - narrow cherty band @ 45°

Project Decade International Dev Ltd. Location Sue claims, Soo River Area Hole No. S 91-2 Page No. 9 of 10

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	ALTERATION:	ALTERATION:	FRACTURING	MINERAL	GEOLOGY
515			515	← moderate →	← moderate →					
	100		520							
525										
	100		530							
535										
	86		540							
542										
	100									
547										
	100		550							
554										
	100		560							
564										
	100									
570			570							
	100									
577										
			580							

COMMENTS:

AVE. CORE REC'Y/HOLE:

Volcanic breccia - con't

520.0 - 540.0 - Finer volcanic breccia - clasts up to $\frac{1}{2}$" dia., lightly scattered in light green matrix.

Upper contact with $\frac{1}{4}$" - $\frac{1}{2}$" qtz - ep veins over 4" @ 45°-60°

Few scattered, unmineralized qtz-ep veinlets.

Lower contact sharp but broken @ 45°

540.0 - 559.0 - Rhyolite Tuff - light gray, fine grained, distinct fine bedding @ 45°, scattering fine epidote veinlets, some with very minor py

548.0 - fr @ 20° with weak FeOx

Fine fractures 552.0 to 557.0 - with thin coatings reddish-brown oxide - weak hematite(?)

559.0 - 562.0 - Rhyolite crystal tuff(?) or dyke(?) - creamy-white, medium grained, all qtz and feldspar.
Upper contact @ 30° with 3" qtz vein, lower contact sharp @ 45°.

562.0 - 577.0 - Rhyolite tuff - similar to 540.0 - 559.0

577.0 - 589.5 - Volcanic breccia - similar to 520-540, dark green, coarse grained.

Project Decade International Dev Ltd. Location Sue Claims, Soo River Area Hole No. S 91-2 Page No. 10 of 10

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SECTION	ALTERATION: Chlorite	ALTERATION: Epidote	FRACTURING	MINERAL	GEOLOGY
585	100		590	← moderate →	← moderate →		F (?)	
595	60		600					
600	100		610				F	
611	83		620					
616	60		630					
623	86		640	← strong →				
628	100			moderate				
635	71							
643	88							

COMMENTS:

AVE. CORE REC'Y/HOLE:

Volcanic breccia - con't

Section with many epidote ± quartz ± carbonate veinlets

Py on fairly numerous chlorite frs., minor py on epidote veinlets

589.5 - 612.0 - Lamprophyre dyke - dark gray-brown to black, fine grained, small rounded mafic phenocrysts. Driller reports "large hole" at upper contact - probable fault

600.0 - Fault zone, 3" clay gouge followed by 8" breccia - qtz and chert fragments in dyke material. weak ep. alt'n. very sparse py.

612.0 - 643.0 - Andesite Tuff - Fine grained, green, with very few coarse clasts, cut by many quartz and quartz - epidote veinlets, some with appreciable py. Very broken at upper contact with core loss.

616.5 - $\frac{1}{8}$" ep. veinlet @ 30° with py

622.0 - $\frac{1}{8}$" qtz - ep veinlet @ 30° with py

627.0 - 635.0 - strong chlorite alteration, rock soft.

END OF HOLE 643 FT

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Harold M. Jones & Assoc. Inc. PROJECT SOO RIVER File # 91-1732 Page 1

605 - 602 W. Hastings St., Vancouver BC V6B 1P2

SAMPLE# DDH 591-1 Interval (ft)	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 34601 5-15	1	27	6	62	.2	6	9	609	1.64	6	5	ND	1	46	.2	2	2	13	.46	.061	3	6	.95	156	.07	5	1.05	.04	.31	1	9
E 34602 15-25	1	27	5	82	.1	5	9	719	1.70	2	5	ND	1	64	.4	2	2	12	.40	.057	2	6	1.16	430	.08	2	1.27	.03	.26	1	3
E 34603 25-35	2	127	6	94	.1	7	10	732	2.18	3	5	ND	1	51	.4	2	2	18	.46	.064	3	7	1.50	149	.10	2	1.54	.03	.31	1	4
E 34604 35-45	1	22	2	85	.1	4	8	600	1.80	3	5	ND	1	50	.2	2	2	13	.45	.057	3	4	1.26	231	.09	5	1.32	.03	.34	1	4
E 34605 45-55	1	31	3	73	.1	4	6	556	1.57	8	5	ND	1	39	.2	2	2	12	.45	.060	3	5	.99	122	.09	4	1.10	.03	.65	1	3
E 34606 55-65	1	20	2	82	.1	5	8	599	1.60	4	5	ND	1	53	.3	2	2	11	.38	.056	3	5	.98	468	.09	2	1.10	.03	.57	1	4
E 34607 65-75	2	131	3	83	.1	5	11	642	1.81	5	5	ND	1	43	.2	2	2	12	.47	.060	2	5	1.07	319	.09	2	1.19	.03	.64	1	2
E 34608 75-85	1	57	9	105	.1	4	13	822	2.38	6	5	ND	1	46	.5	2	2	21	.54	.065	2	3	1.42	97	.11	3	1.51	.02	.55	1	4
E 34609 85-95	2	53	9	117	.2	7	16	875	2.83	5	5	ND	1	50	.4	2	2	28	.64	.072	2	9	1.76	120	.14	4	1.80	.03	.57	1	8
E 34610 95-105	2	69	2	120	.1	12	15	914	2.62	7	5	ND	1	45	.5	2	2	22	.76	.061	3	10	1.97	145	.12	2	1.91	.02	.30	1	2
E 34611 105-115	2	29	2	87	.1	8	9	670	1.60	2	5	ND	1	43	.2	2	2	12	.89	.064	4	9	1.13	93	.06	2	1.26	.02	.36	1	3
E 34612 115-125	1	119	2	223	.1	6	11	1028	2.36	7	5	ND	1	25	.5	2	2	14	.46	.069	4	4	1.73	106	.09	7	1.67	.02	.38	1	2
E 34613 125-135	1	40	2	151	.1	8	9	916	2.21	7	5	ND	1	22	.2	2	2	14	.34	.065	4	6	1.78	80	.09	5	1.72	.02	.34	1	1
E 34614 135-145	1	27	2	109	.1	5	7	717	1.94	8	5	ND	1	48	.4	4	2	14	.42	.066	4	6	1.53	62	.08	2	1.52	.03	.25	1	1
E 34615 145-155	1	10	6	83	.1	8	9	659	1.99	3	5	ND	1	33	.2	2	2	13	.38	.069	4	5	1.72	66	.08	3	1.64	.02	.26	1	2
E 34616 155-165	1	9	5	77	.1	6	9	526	1.82	2	6	ND	1	49	.2	2	2	10	.43	.068	3	3	1.35	68	.07	2	1.41	.02	.23	1	1
E 34617 165-175	1	6	2	66	.1	8	8	517	1.63	6	5	ND	1	64	.5	2	2	12	.45	.064	3	5	1.23	72	.08	3	1.36	.03	.22	1	1
E 34618 175-185	1	12	2	86	.1	8	10	665	1.72	2	5	ND	1	45	.2	2	2	11	.46	.062	3	6	1.31	70	.07	2	1.38	.02	.22	1	2
E 34619 185-195	1	17	3	115	.2	7	9	753	1.89	5	5	ND	1	49	.2	2	2	14	.55	.066	3	6	1.58	83	.08	2	1.58	.03	.24	1	1
E 34620 195-205	1	42	3	116	.1	5	11	944	1.92	2	5	ND	1	51	.2	2	2	16	.66	.059	2	5	1.21	44	.08	2	1.34	.03	.15	1	1
E 34621 205-215	2	77	2	127	.3	9	10	965	1.98	5	5	ND	1	56	.5	2	2	18	.69	.061	3	10	1.31	60	.09	3	1.52	.04	.24	1	2
E 34622 215-225	1	23	2	98	.2	8	9	869	1.83	4	5	ND	1	57	.4	2	2	16	.67	.055	3	9	1.10	49	.09	3	1.31	.04	.20	1	2
E 34623 225-235	2	9	2	89	.2	9	10	796	1.86	2	5	ND	1	63	.4	2	2	16	.79	.055	3	10	1.06	57	.09	3	1.26	.03	.26	1	1
E 34624 235-245	1	37	2	104	.1	7	13	883	2.38	2	5	ND	1	67	.2	2	2	19	.94	.063	2	6	1.40	66	.10	2	1.52	.03	.27	1	3
E 34625 245-255	1	20	2	65	.2	6	7	654	1.83	2	5	ND	1	36	.2	2	2	9	.97	.064	3	4	.83	92	.08	2	1.10	.04	.33	1	3
E 34626 255-265	1	14	2	56	.1	5	7	773	1.94	2	5	ND	1	43	.2	2	2	12	1.03	.061	3	4	.99	79	.09	3	1.27	.04	.26	1	2
E 34627 265-275	1	2	3	80	.1	6	7	770	1.96	2	5	ND	1	52	.2	2	2	15	1.14	.070	4	6	1.20	68	.10	5	1.30	.04	.26	1	1
E 34628 275-285	1	4	8	55	.2	3	7	622	1.84	3	5	ND	1	48	.2	2	2	10	1.03	.066	4	3	.62	94	.09	5	1.01	.04	.35	1	2
E 34629 285-295	2	10	2	45	.1	6	5	551	1.39	2	5	ND	1	63	.3	2	4	9	.87	.054	3	6	.65	84	.09	6	.98	.05	.27	1	3
E 34630 295-305	3	66	2	94	.1	5	8	754	1.82	3	5	ND	1	51	.5	2	2	12	.91	.062	2	5	1.15	98	.09	3	1.35	.04	.41	1	1
E 34631 305-315	1	4	2	55	.1	5	8	745	2.02	2	5	ND	1	52	.2	2	2	14	1.19	.062	3	5	.95	89	.10	2	1.29	.04	.35	1	1
E 34632 315-325	1	11	2	90	.3	4	11	1065	2.40	7	5	ND	1	43	.6	2	2	18	.54	.064	3	4	1.67	44	.09	4	1.71	.03	.15	1	1
E 34633 325-335	1	40	2	100	.3	6	9	1021	2.23	2	5	ND	1	41	.2	2	2	14	.49	.069	3	4	1.54	56	.07	2	1.64	.03	.20	1	1
E 34634 335-345	2	14	4	122	.1	7	10	994	2.15	2	5	ND	1	51	.6	2	2	15	.51	.061	2	6	1.57	50	.09	2	1.64	.03	.18	1	2
E 34635 345-355	2	44	6	146	.1	12	13	1168	2.61	2	7	ND	1	78	.6	2	2	26	1.11	.083	3	15	1.90	52	.15	2	2.02	.03	.27	1	1
E 34636 355-365	1	53	2	115	.2	12	15	1071	2.65	2	5	ND	1	82	.3	2	2	24	1.16	.080	4	14	1.75	50	.13	2	1.91	.03	.17	1	1
STANDARD C/AU-R	18	55	42	127	7.1	70	34	1038	3.91	39	19	7	39	52	18.6	15	18	54	.48	.092	38	59	.81	173	.09	32	1.81	.06	.15	11	480

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 12 1991 **DATE REPORT MAILED:** June 14/91. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
S-91-1																															
365-375E 34637	4	40	2	116	.1	13	15	1016	2.64	2	5	ND	1	129	.2	2	2	30	1.49	.078	3	18	1.75	74	.16	2	2.20	.09	.19	1	1
375-385E 34638	2	25	6	109	.1	11	12	868	2.32	3	5	ND	1	112	.3	2	2	22	1.27	.077	3	13	1.49	94	.13	2	1.91	.08	.23	1	1
385-395E 34639	1	22	2	93	.1	8	10	731	1.98	2	5	ND	1	99	.3	2	2	16	1.43	.078	3	8	1.19	120	.11	2	1.68	.09	.29	1	4

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Harold M. Jones & Assoc. Inc. PROJECT SUE CLAIMS File # 91-1899 Page 1

605 - 602 W. Hastings St., Vancouver BC V6B 1P2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
591-1 Interval (ft)																														
E 34640 395-405	1	54	6	109	.1	47	15	879	3.13	2	5	ND	1	185	.2	2	2	52	1.45	.074	6	42	2.17	57	.19	2	2.24	.21	.12	1	12
E 34641 405-415	1	14	4	204	.2	19	20	1514	4.04	4	5	ND	1	113	.4	2	2	49	1.95	.052	2	48	3.26	54	.16	2	2.88	.03	.14	1	2
E 34642 415-425	1	2	6	96	.1	3	9	896	2.30	2	5	ND	1	75	.4	2	2	14	1.30	.060	3	10	1.54	91	.09	2	1.66	.04	.24	1	1
E 34643 425-435	1	2	7	88	.2	4	9	896	2.17	2	5	ND	1	81	.2	2	2	14	1.23	.063	4	10	1.41	110	.10	4	1.63	.05	.32	1	1
E 34644 435-445	1	23	2	81	.1	3	10	866	2.32	2	5	ND	1	66	.3	2	2	17	.93	.062	3	10	1.46	106	.12	2	1.61	.05	.39	1	6
E 34645 445-455	1	14	5	92	.1	4	10	956	2.47	3	5	ND	1	64	.4	2	2	19	.96	.071	4	11	1.64	96	.13	4	1.76	.05	.37	1	4
E 34646 465-469	1	46	2	83	.1	4	8	809	1.92	2	5	ND	1	74	.2	2	2	17	1.16	.055	5	11	1.26	91	.12	2	1.48	.04	.35	1	1
S-1 455-465	17	750	5	142	.5	7	13	1127	3.28	3	5	ND	1	70	.4	3	3	27	1.02	.075	3	14	2.26	60	.14	3	2.13	.04	.27	1	7
E 34647 469-475	3	12	2	5	.2	3	1	172	.32	2	5	ND	2	34	.2	2	2	1	.47	.007	4	5	.05	91	.03	4	.34	.05	.17	1	1
E 34648 475-485	2	5	2	4	.1	5	1	137	.46	2	5	ND	2	37	.2	2	2	1	.25	.006	3	2	.02	150	.04	5	.31	.04	.18	1	1
E 34649 485-495	1	5	2	14	.1	1	1	210	.56	2	5	ND	1	28	.2	2	2	2	.33	.008	3	3	.13	72	.05	2	.41	.04	.18	1	6
E 34650 495-505	4	111	4	73	.3	5	6	699	1.59	3	5	ND	1	85	.2	2	2	13	.73	.052	4	12	1.01	83	.10	5	1.39	.05	.25	1	2
E 34651 505-515	4	77	3	57	.1	3	6	520	1.30	2	5	ND	1	59	.3	2	2	9	.51	.049	3	9	.79	94	.08	3	1.12	.05	.21	1	1
E 34652 515-525	1	5	2	69	.1	5	9	754	2.18	3	5	ND	1	59	.2	2	2	17	.79	.068	3	10	1.55	98	.12	4	1.69	.04	.32	1	1
E 34653 525-535	1	31	2	114	.1	4	10	869	2.28	3	5	ND	1	59	.2	2	2	20	.83	.060	3	11	1.41	78	.12	2	1.65	.04	.36	1	4
E 34654 535-545	1	28	4	122	.1	6	10	905	2.12	3	5	ND	1	65	.2	2	2	21	1.22	.056	2	13	1.25	77	.12	3	1.56	.04	.54	1	4
E 34655 545-555	1	63	2	103	.2	3	9	927	2.14	2	5	ND	1	54	.2	2	2	17	1.03	.061	3	11	1.34	96	.12	3	1.61	.04	.38	1	3
E 34656 555-565	1	23	2	90	.1	6	8	956	2.15	2	5	ND	1	52	.2	2	2	15	.81	.061	3	12	1.30	98	.10	4	1.56	.05	.29	1	1
E 34657 565-575	3	14	2	95	.1	4	10	1002	2.42	2	5	ND	1	46	.3	2	2	16	.94	.066	3	9	1.51	77	.11	2	1.71	.04	.20	1	18
E 34658 575-585	1	23	4	106	.1	9	13	997	2.61	2	5	ND	1	94	.2	2	2	27	1.44	.074	3	15	1.69	65	.16	3	1.92	.05	.16	1	5
E 34659 585-595	1	36	6	117	.1	10	14	1046	2.74	2	5	ND	1	95	.2	2	2	29	1.59	.075	3	16	1.79	55	.16	2	2.01	.04	.12	1	1
E 34660 595-605	2	49	2	127	.1	11	14	1178	2.85	2	5	ND	1	105	.3	3	2	35	1.86	.074	3	17	1.85	51	.20	2	2.11	.04	.12	1	2
E 34661 605-615	2	6	9	141	.1	9	12	1129	2.88	2	5	ND	1	83	.3	2	2	37	1.50	.076	5	18	1.91	28	.11	5	2.13	.04	.07	1	5
E 34662 615-625	1	36	6	130	.1	10	14	1108	2.87	2	5	ND	1	91	.2	2	2	33	1.61	.073	3	16	1.83	57	.20	3	2.07	.04	.14	1	8
E 34663 625-635	1	28	7	199	.1	11	15	1415	3.71	2	5	ND	1	69	.2	2	2	41	.83	.079	3	16	2.88	15	.18	2	2.62	.04	.05	1	9
E 34664 635-645	2	107	5	165	.2	10	15	1330	3.45	2	5	ND	1	70	.2	2	3	37	.84	.078	2	16	2.49	29	.17	2	2.42	.05	.09	1	42
E 34665 645-651	2	51	3	138	.1	13	13	1186	3.26	2	5	ND	1	108	.2	3	2	40	1.12	.077	3	18	2.18	41	.18	3	2.26	.06	.08	1	8
E 34666 5-10	2	44	2	59	.1	3	7	633	1.82	2	5	ND	1	48	.3	2	2	15	.55	.059	3	9	.99	101	.09	2	1.28	.04	.35	1	2
E 34667 10-20	1	27	6	82	.1	4	9	835	2.48	2	5	ND	1	67	.2	2	2	21	.99	.076	4	11	1.23	79	.13	3	1.59	.05	.21	1	1
E 34668 20-30	2	45	3	85	.1	4	8	633	2.15	2	5	ND	1	69	.4	2	2	16	.51	.057	4	5	1.04	244	.13	2	1.37	.05	.35	1	1
E 34669 30-40	2	40	5	94	.1	5	9	806	2.21	2	5	ND	1	78	.3	2	2	18	.99	.078	5	7	1.17	259	.14	12	1.52	.04	.41	1	2
E 34670 40-50	1	134	2	110	.1	13	19	762	3.43	2	5	ND	1	72	.2	3	4	60	1.23	.066	3	27	2.26	42	.27	2	2.30	.02	.12	1	1
E 34671 50-60	1	116	3	98	.2	14	22	812	3.70	2	5	ND	1	83	.4	3	2	65	1.75	.069	3	30	2.46	41	.29	3	2.49	.02	.14	1	1
E 34672 60-70	1	146	6	173	.1	17	24	1326	4.45	2	5	ND	1	91	.4	4	2	73	3.06	.068	2	29	3.17	41	.29	2	2.97	.02	.16	1	2
E 34673 70-80	1	110	11	156	.1	16	24	1111	4.29	2	5	ND	1	80	.2	2	2	71	2.39	.067	3	27	2.95	45	.30	4	2.85	.02	.15	1	1
E 34674 80-90	1	136	6	177	.1	14	20	900	3.75	2	5	ND	1	86	.2	3	6	62	1.69	.073	3	23	2.52	49	.29	2	2.94	.04	.22	1	1
STANDARD C/AU-R	18	57	37	136	7.2	70	32	1049	4.01	38	16	6	40	52	18.5	16	21	54	.50	.093	38	57	.87	178	.09	35	1.92	.06	.15	11	470

591-1 DDH ⟵

591-2 DDH ⟵

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 20 1991 **DATE REPORT MAILED:** June 26/91. **SIGNED BY**.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE# DDH S 91-2	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
Interval (ft)																															
E 34675 90-100	1	60	6	116	.2	7	16	653	2.62	4	5	ND	1	53	.2	2	2	26	.78	.084	4	14	1.63	56	.05	2	2.04	.04	.26	1	14
E 34676 100-110	1	164	11	207	.6	16	28	1292	4.39	7	5	ND	1	77	.2	5	2	66	1.63	.067	3	25	2.93	65	.29	6	2.93	.03	.27	1	7
E 34677 110-120	1	127	4	178	.4	9	19	1383	3.44	6	5	ND	1	71	.2	2	2	35	.74	.062	4	16	2.68	78	.09	5	2.74	.03	.24	1	12
E 34678 120-130	1	84	2	157	.2	6	13	1090	3.26	3	5	ND	1	70	.2	2	2	31	.63	.075	5	12	2.25	95	.15	5	2.37	.04	.27	1	2
E 34679 130-140	1	52	2	101	.4	6	11	935	2.55	3	5	ND	1	58	.2	2	2	24	.67	.070	4	13	1.85	91	.14	4	1.94	.03	.37	1	3
E 34680 140-150	1	221	2	154	.4	4	10	1104	2.50	2	5	ND	1	39	.2	2	2	15	.45	.067	4	10	1.99	99	.09	3	2.02	.03	.37	1	7
E 34681 150-160	1	51	5	129	.3	5	11	965	2.42	2	5	ND	1	36	.2	2	2	14	.44	.073	4	9	1.78	113	.10	5	1.93	.03	.44	1	2
E 34682 160-170	1	11	7	98	.1	4	10	931	2.25	3	5	ND	1	50	.2	3	2	15	.62	.067	3	11	1.72	96	.10	2	1.85	.03	.35	1	3
E 34683 170-180	1	30	2	148	.3	5	13	1075	2.55	3	5	ND	1	35	.2	2	2	16	.55	.073	4	12	2.13	98	.10	2	2.21	.03	.38	1	1
E 34684 180-190	1	20	2	135	.2	2	10	840	1.81	2	5	ND	2	30	.2	2	2	13	.48	.070	4	10	1.65	109	.11	2	1.86	.02	.39	1	2
E 34685 190-200	1	108	6	161	.1	3	11	1023	2.04	2	5	ND	1	37	.3	2	2	14	.50	.062	3	10	1.65	85	.09	2	1.77	.02	.30	1	4
E 34686 200-210	1	35	3	129	.2	4	9	1069	2.12	4	5	ND	1	30	.2	2	2	13	.44	.067	3	12	1.64	91	.10	4	1.73	.03	.34	1	2
E 34687 210-220	1	21	7	104	.1	6	10	1031	2.05	4	5	ND	1	44	.3	2	2	13	.57	.071	4	11	1.41	103	.09	2	1.60	.03	.37	1	1
E 34688 220-230	1	21	2	105	.2	3	9	946	1.95	3	5	ND	1	46	.2	2	2	13	.51	.071	4	9	1.40	110	.09	3	1.62	.03	.37	1	3
E 34689 230-240	1	96	2	129	.2	5	10	1087	2.49	4	5	ND	1	41	.2	2	2	15	.48	.074	4	10	1.90	91	.09	3	1.96	.04	.37	1	2
E 34690 240-250	1	15	2	99	.2	5	10	957	2.18	6	5	ND	1	50	.2	2	2	14	.50	.070	4	10	1.64	96	.06	2	1.83	.03	.35	1	2
E 34691 250-260	1	17	4	88	.2	4	10	885	1.89	2	5	ND	1	56	.2	2	2	12	.58	.067	4	10	1.31	125	.10	2	1.56	.03	.44	1	2
E 34692 260-270	1	25	4	95	.1	4	9	864	1.92	2	5	ND	1	43	.2	2	2	13	.53	.066	3	8	1.29	134	.10	2	1.50	.04	.65	1	3
E 34693 270-280	1	30	2	118	.3	5	10	1012	2.05	3	5	ND	1	46	.2	2	2	13	.50	.067	4	9	1.39	113	.09	3	1.62	.03	.44	1	1
E 34694 280-290	1	62	2	113	.2	3	8	1011	1.80	2	5	ND	1	38	.2	2	2	12	.44	.067	4	10	1.34	119	.09	5	1.57	.03	.54	1	1
E 34695 290-300	1	67	5	113	.2	4	9	992	1.93	3	5	ND	1	34	.4	2	2	11	.43	.067	4	9	1.36	115	.08	2	1.54	.03	.58	1	5
E 34696 300-310	1	36	2	101	.2	4	10	925	1.91	5	5	ND	1	41	.2	2	2	12	.48	.069	3	8	1.33	124	.10	2	1.53	.03	.62	1	3
E 34697 310-320	3	244	2	111	.3	3	11	1102	2.12	2	5	ND	1	48	.2	2	2	14	.63	.070	3	9	1.52	128	.10	2	1.67	.04	.67	1	3
E 34698 320-330	1	14	2	89	.2	4	9	825	1.88	2	5	ND	1	59	.2	2	2	13	.60	.066	4	8	1.17	174	.11	2	1.44	.04	.76	1	3
E 34699 330-340	1	11	3	79	.1	4	10	743	1.95	4	5	ND	1	58	.2	2	2	15	.47	.064	4	6	1.29	210	.12	2	1.53	.04	.79	1	2
E 34700 340-350	1	8	2	65	.3	4	8	670	1.88	3	5	ND	1	67	.2	2	2	17	.67	.063	4	8	1.23	130	.13	7	1.45	.05	.79	1	2
U 0101 350-360	1	8	2	56	.2	4	8	570	1.76	3	5	ND	1	60	.2	2	2	16	.53	.064	4	9	1.08	144	.14	3	1.38	.04	.97	1	1
U 0102 360-370	1	5	4	66	.1	5	10	681	2.04	4	5	ND	1	56	.2	2	2	17	.58	.065	4	9	1.32	140	.14	2	1.54	.04	1.05	1	3
U 0103 370-380	1	44	2	65	.1	4	10	735	2.25	2	5	ND	1	57	.2	2	2	19	.63	.064	4	8	1.34	156	.16	9	1.58	.05	1.19	1	1
U 0104 380-390	1	40	6	68	.4	4	11	801	2.60	4	5	ND	1	69	.2	2	2	27	.74	.074	4	9	1.48	129	.17	2	1.77	.05	1.05	1	4
U 0105 390-400	1	60	10	79	.4	5	11	807	2.61	5	5	ND	1	76	.2	2	2	31	.99	.070	5	11	1.36	112	.18	2	1.70	.05	.85	1	3
U 0106 400-410	1	64	4	98	.3	5	10	948	2.37	5	5	ND	1	56	.2	2	2	20	.68	.068	4	9	1.29	122	.15	2	1.64	.05	.82	1	3
U 0107 410-420	3	157	3	139	.4	11	18	1325	3.29	5	5	ND	1	39	.2	2	2	30	.70	.084	3	10	2.33	123	.16	2	2.31	.03	1.16	1	4
U 0108 420-430	1	75	7	135	.4	14	19	1269	3.44	5	5	ND	1	48	.2	2	2	35	.66	.081	4	14	2.62	102	.17	4	2.50	.04	.84	1	2
U 0109 430-440	1	36	4	97	.4	8	16	1038	4.12	7	5	ND	1	26	.2	3	2	40	.70	.080	4	12	2.87	102	.17	3	2.76	.04	.65	1	1
U 0110 440-450	1	54	2	83	.3	10	16	878	3.64	8	5	ND	1	46	.2	3	2	39	1.13	.077	4	12	2.84	84	.13	2	2.53	.04	.44	1	1
STANDARD C/AU-R	18	60	38	131	6.9	73	33	1073	4.00	41	17	6	41	53	18.5	15	19	57	.49	.090	39	58	.87	179	.09	34	1.89	.07	.15	11	480

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
DDH 91-2 Interval (ft)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
U 0111 450-460	1	36	2	84	.2	10	16	671	2.92	5	5	ND	1	51	.3	4	2	32	.69	.073	3	12	2.40	92	.15	2	2.09	.03	.66	1	8
U 0112 460-470	1	27	3	84	.2	10	18	651	3.03	2	5	ND	1	42	.2	3	2	30	.81	.072	3	13	2.23	68	.13	3	1.96	.03	.58	1	2
U 0113 470-480	1	59	2	91	.2	6	16	768	3.42	2	5	ND	1	51	.2	2	2	39	1.08	.073	3	13	2.34	69	.18	5	2.30	.03	.57	1	1
U 0114 480-490	1	87	4	74	.2	9	14	712	3.09	2	5	ND	1	57	.2	2	2	40	1.17	.069	4	16	2.11	44	.16	6	2.10	.04	.25	1	1
U 0115 490-500	1	82	2	73	.3	14	16	754	3.48	2	5	ND	1	63	.2	4	2	51	1.74	.069	3	22	2.23	46	.23	2	2.25	.03	.28	1	1
U 0116 500-510	1	35	2	90	.2	14	17	778	3.62	2	5	ND	1	40	.2	2	2	47	.88	.074	4	21	2.66	30	.15	4	2.41	.04	.16	1	1
U 0117 510-520	1	42	2	106	.1	7	14	801	3.16	2	5	ND	1	44	.2	2	2	33	.59	.076	4	13	2.30	37	.13	3	2.15	.03	.16	1	3
U 0118 520-530	1	63	2	78	.2	20	15	726	2.77	2	5	ND	1	60	.2	2	2	36	1.10	.056	3	33	2.22	53	.17	5	2.10	.02	.14	1	2
U 0119 530-540	1	71	3	85	.3	17	17	764	2.99	2	5	ND	1	67	.3	2	2	45	1.79	.059	2	30	2.22	49	.23	4	2.16	.02	.16	1	3
U 0120 540-550	2	3	7	7	.2	3	1	180	.39	2	5	ND	2	16	.2	2	3	2	.41	.007	4	6	.08	36	.03	5	.30	.03	.17	1	12
U 0121 550-560	2	2	6	5	.1	1	1	175	.40	2	5	ND	2	17	.2	2	2	1	.37	.005	7	3	.04	29	.03	2	.28	.03	.15	1	2
U 0122 560-570	3	2	2	5	.1	2	1	193	.37	2	5	ND	2	17	.2	2	2	1	.46	.005	8	5	.05	33	.03	2	.29	.03	.15	1	1
U 0123 570-577	4	4	2	2	.1	1	1	131	.23	2	5	ND	2	17	.2	2	2	1	.50	.005	3	3	.02	54	.03	4	.24	.03	.15	1	1
U 0124 577-589.5	1	56	8	80	.1	8	14	742	2.88	2	5	ND	1	71	.2	4	2	30	1.86	.071	2	13	1.95	127	.17	3	1.94	.02	.73	1	1
U 0125 589.5-600	1	40	2	71	.5	124	18	700	4.12	3	5	ND	1	252	.2	6	2	96	1.97	.107	11	40	2.53	121	.27	5	2.07	.34	.15	1	1
U 0126 600-612	1	42	2	73	.3	67	15	653	4.03	2	5	ND	1	383	.2	3	2	92	2.11	.104	11	65	2.00	80	.25	2	2.80	.54	.11	1	3
U 0127 612-622	1	174	2	106	.1	12	16	998	3.11	3	5	ND	1	78	.2	4	2	40	1.19	.067	2	17	2.35	74	.17	2	2.22	.05	.19	1	1
U 0128 622-632	1	135	2	122	.2	54	20	1301	4.04	2	5	ND	1	57	.2	3	2	52	1.82	.053	2	132	3.14	54	.15	2	2.69	.02	.16	1	2
U 0129 632-643	1	160	2	90	.1	12	15	933	2.80	2	5	ND	1	72	.2	3	2	38	1.24	.064	2	18	2.25	55	.15	2	2.12	.02	.15	1	2
STANDARD C/AU-R	18	57	38	133	7.0	70	32	1050	3.99	38	15	6	39	52	18.7	14	18	55	.49	.091	38	58	.88	178	.09	33	1.89	.07	.15	11	490

APPENDIX II

STATEMENT OF COSTS

STATEMENT OF COSTS

A.	**Diamond Drilling**			**Totals**
	Boisvenu Drilling Ltd. - by contract			
	0 to 500 ft at $15.10/ft			
	500 to 1,000 ft at $16.70/ft			
	Plus mobilization, demobilization, boxes, etc.			$24,885.46
B.	**Supervision, Geology, Core Splitting & Sampling**			
	H.M. Jones, P.Eng., Harold M. Jones & Associates Inc.			
	May 24, June 6-20, 1991 - on site			
	16 days at $450/day		7,200.00	
	Room and board:			
	condo rental	600.60		
	meals, groceries	240.36	840.96	
	Vehicle:			
	Cana Truck Rental	834.79		
	fuel	142.12		
	vehicle repairs	80.30		
	Budget Truck Rental	73.05	1,130.26	
	Field supplies		53.72	
	Communications - l.d. phone calls		31.06	9,256.00
C.	**Assays**			
	Acme Analytical Laboratories Ltd.			
	130 core samples at $12.75/sample		1,657.50	
	100 large sample bags		23.00	1,680.50
D.	**Report and Maps**			
	Report		1,350.00	
	Drafting		99.00	
	Secretarial		100.00	1,549.00
E.	**Management**			
	(10% of all costs exclusive of professional fees)			
	10% of $28,820.96			2,882.10
	Total Cost			$40,253.06

Note: Total does not include G.S.T.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
H. M. JONES