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**ASSESSMENT REPORT**

on the

**GEORGIA RIVER PROJECT  
1996 DIAMOND DRILLING PROGRAM  
STEWART, B.C.**

GEOLOGICAL SURVEY OF CANADA  
ASSESSMENT DIVISION

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for

**AQUATERRE MINERAL DEVELOPMENT LTD.**

**Suite 1003 - 470 Granville Street  
Vancouver, B.C.  
V6C 1V5**

**Work Performed: August 6 to Sept 10, 1996**

**Location:**

- 16 Kms South of Stewart, B.C.
- NTS Map No.: 103 0/16
- Latitude: 55°48' N
- Longitude: 130°02' W

**Prepared by**

**GEOQUEST CONSULTING LTD.**

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**November 28, 1996**

24,704

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## SUMMARY

*The Georgia River gold property is located 16 kilometres by air south of the town of Stewart, British Columbia. The property is comprised of 142 units (~2,500 hectares) and owned by Blackline Oil Corporation. In 1994, Aquaterre Mineral Development Ltd. entered into a joint venture agreement to acquire a 50% interest in the property. As part of the agreement, Aquaterre, was required to spend \$360,000 on exploration in 1995 and \$300,000 in 1996.*

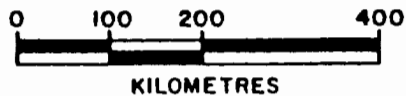
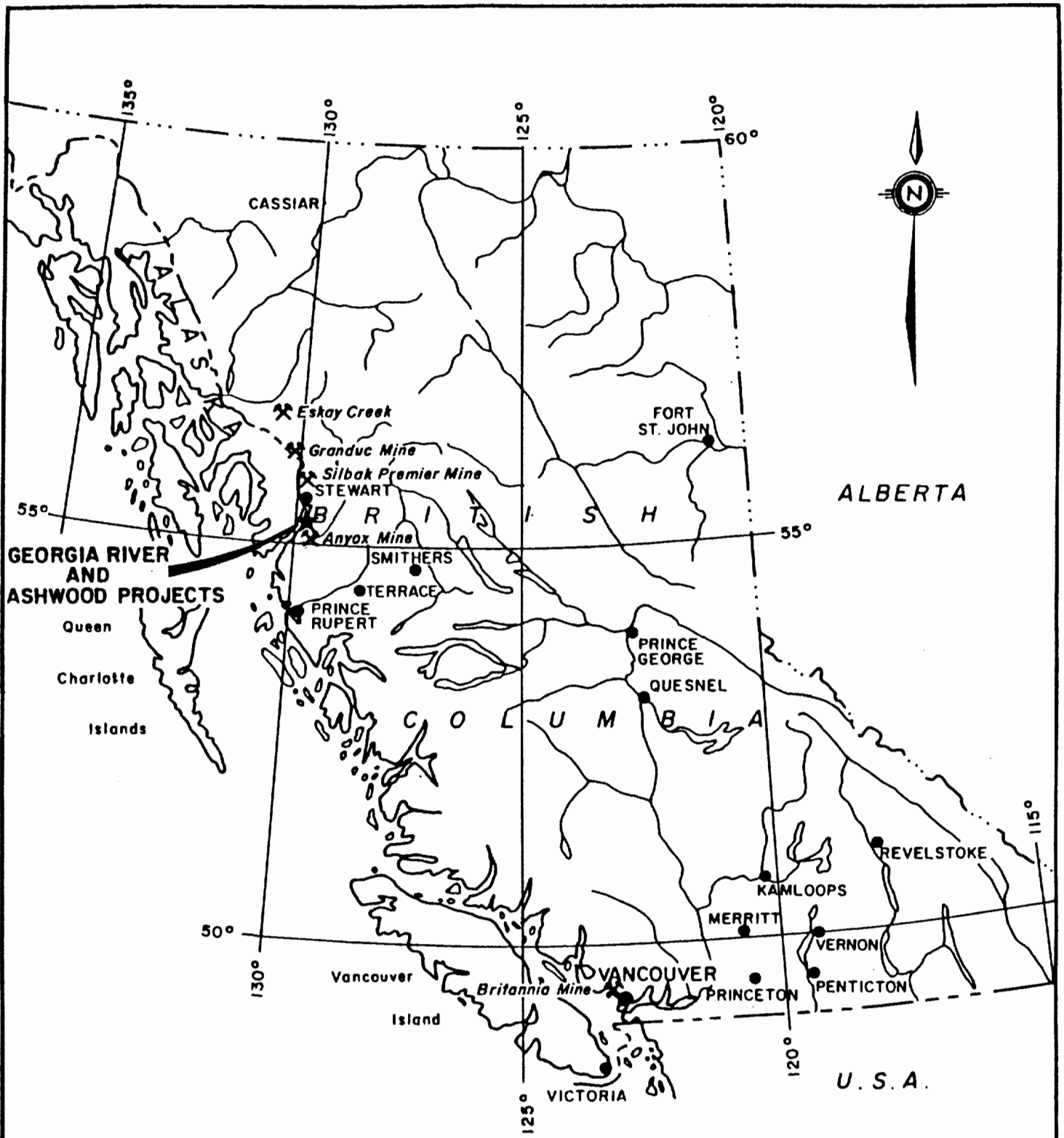
*The property terrain is steep and rugged and typical of the coastal glaciated region. Climate is characterized by moderate temperatures and high amounts of precipitation.*

*Historically, the Stewart area has been one of the most prolific mining camps of British Columbia. Precious and base metals were mined from numerous deposits, some of the most notable being the Silbak-Premier, Granduc, and Anyox. The Westmin Mine is currently active, however reserves are nearing depletion and Westmin is actively seeking additional mill feed. The Red Mountain deposit (Royal Oak Mines Ltd.), containing gold reserves in excess of one million ounces, is likely to be the next significant producer in the Stewart area.*

*The Georgia River property was discovered in 1910. By the 1930's, three tunnels had been driven and a wagon road was constructed along the Georgia River to the Portland Canal. In 1937, a small mill reportedly processed 500 tons of ore from the Southwest Vein from which 329 oz Au, 410 oz Ag and 7,302 lbs of lead were recovered. The property lay dormant until 1979. Between 1979 and 1990, exploration programs were carried out by E&B Explorations Ltd., Avatar Resources Corporation and Bond Gold Inc.. By 1990, a total of 83 holes had been drilled, primarily on the Southwest, Main and Georgia Veins. In 1995, Aquaterre Mineral Development Ltd. completed 19 diamond drill holes (1,839m) on a small portion of the Southwest Vein. This program was successful in delineating a reserve of 14,899 tons grading 1.39 oz/ton gold.*

*The Georgia River property is situated within a roof pendant of Mesozoic age Hazelton Group volcanic and sedimentary rocks. To date, 18 epithermal style gold-quartz veins have been documented on the property. The Southwest Vein has been the focus of most of the exploration and development work.*

*During 1996, a total of 16 drill holes were completed (1,844m). Visible gold was observed in 2 of these holes with values ranging up to 2.174 oz/ton Au over 0.45 metres. Drilling revealed the presence of several, often large, silicified and quartz stockwork zones in addition to the Southwest Vein. Evidence thus far indicates the potential for the development of another high grade gold zone. Further work is recommended in this and other areas. **The total expenditure for the 1996 program was \$277,210.***



<b>AQUATERRE MIN. DEV. LTD.</b>	
<b>GEORGIA RIVER AND ASHWOOD PROJECTS</b> SKEENA MINING DIVISION, B.C.	
<b>LOCATION MAP</b>	
<b>FIGURE I</b>	
Date : November, 1996.	Scale : As Shown

## **INTRODUCTION**

This report describes the Georgia River gold property located near Stewart, B.C. During the late summer of 1996, Aquaterre Mineral Development Ltd. completed a detailed drilling program with the objective of delineating additional high grade precious metal reserves.

## **LOCATION AND ACCESS**

The Georgia River property is located 16 kilometres south of the town of Stewart along the central British Columbia coast (Figure 1). The community of Stewart, situated at the head of the Portland Canal, is Canada's most northerly ice free port. Stewart is accessed via Highway 37A, which branches off the Stewart Cassiar Highway at Meziadin Lake. The Georgia River property is accessible by a 10 minute helicopter flight from Stewart. Geographic coordinates for the approximate centre of the property are 55°48' north latitude and 130°02' west longitude on N.T.S. Map No. 103 0/16.

## **TERRAIN**

The property is situated in the Colling Range, along the east side of the Portland Canal. Terrain is typical of the heavily glaciated Coast Range, with steep rugged slopes being common. The claims are located near the headwaters of the Georgia River that flows southerly to the Portland Canal. Several small creeks dissect the property, emphasizing the north-south trending ridges of the Colling Range. The area of current exploration is situated between the 1,000 and 1,100 metre elevations, approximately 100 metres above tree line.

The climate in the Stewart area is mild, with heavy snowfall in the winter and rain in the spring and fall.

## **CLAIMS**

The Georgia River property, shown on Figure 2, consists of six modified grid claims (108 units), 8 crown granted claims and 26 reverted crown granted claims totalling 142 units (~2,500 hectares). Table 2 outlines the claim particulars in detail. The property is owned by Blackline Oil Corporation and is currently under a joint venture agreement with Aquaterre Mineral Development Ltd. One stipulation of the agreement requires that a total of \$950,000 is to be expended on the property by 1997 in order for Aquaterre to acquire a 50% interest in the property. For those expenditures above the required commitment, Blackline Oil may elect to contribute on a 50:50 basis with Aquaterre or be reduced to a 20% Net Profits Interest (NPI).



**Table 1. Summary of Property Claims**

<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Expiry Date*</u>
Danny Fr.	RCG/1431	1	Aug 2/97
Gem Fr.	RCG/1437	1	Aug 2/97
Goldfields	RCG/1434	1	Aug 2/97
Goldfields #1	RCG/1445	1	Aug 2/97
Goldfields #2	RCG/1429	1	Aug 2/97
Goldfields #4	RCG/1444	1	Aug 2/97
Goldfields #5	RCG/1435	1	Aug 2/97
Goldfields #6	RCG/1436	1	Aug 2/97
Jitney	RCG/1429	1	Aug 2/97
June	RCG/1438	1	Aug 2/97
June Fr.	RCG/1443	1	Aug 2/97
June #1	RCG/1439	1	Aug 2/97
June #2	RCG/1440	1	Aug 2/97
June #3	RCG/1441	1	Aug 2/97
June #4	RCG/1442	1	Aug 2/97
June #5	RCG/1447	1	Aug 2/97
June #6	RCG/1448	1	Aug 2/97
June #7	RCG/1430	1	Aug 2/97
June #8	RCG/1432	1	Aug 2/97
June #9	RCG/1432	1	Aug 2/97
June #10	RCG/1432	1	Aug 2/97
September Fr.	RCG/1430	1	Aug 2/97
Sovereign	RCG/1446	1	Aug 2/97
Sovereign Fr.	RCG/1431	1	Aug 2/97
Sovereign #1	RCG/1431	1	Aug 2/97
Sovereign #2	RCG/1433	1	Aug 2/97
Sun #1	1622	20	Aug 15/97
Mike #1	1623	20	Aug 15/97
Mike #2	1721	20	Sep 18/99
Mike #3	1722	20	Sep 18/99
Tis #2	333081	16	Dec 15/99
Tis #3	333082	12	Dec 15/99
Georgia	CG/L4437	1	
Georgia #1	CG/L4438	1	
Georgia #2	CG/L4439	1	
Gem	CG/L5150	1	
Gem #1	CG/L5151	1	
Goldfields #3	CG/L5155	1	
Top Fr.	CG/L5164	1	
Gold Fr.	CG/L5166	1	
<b>Total Units:</b>		<b>142</b>	

RCG = Reverted Crown Grant

CG = Crown Grant



## **HISTORY**

### **Regional History:**

The Stewart area has a long history of mineral exploration and has been one of the most prolific mining camps in the Province. The earliest exploration dates back to the 1880's, when placer miners explored the Observatory Inlet and Nass River areas. In 1910, the Silbak-Premier deposit was discovered with production commencing in 1918 and ending in 1979. Since 1989, Westmin Resources Ltd. has milled ore from the Silbak-Premier, SB, Northern Lights, Big Missouri, and Dago Hill Mines. Until recently, daily mill throughput had been in the 1,000 to 2,000 tons per day range. The ore reserves in the current mining operation are nearly depleted and Westmin is actively looking for additional mill feed. Other well known mines in the region include the Anyox and Granduc deposits located 43 kilometres south-southeast and 51 kilometres northwest of the Georgia River property respectively.

In 1989, Bond Gold Ltd.(later American Barrick Resources Corporation) discovered the Red Mountain deposit, located 18 kilometres east-northeast of Stewart. The current owner and operator of this deposit is Royal Oak Mines Ltd. During 1996 Royal Oak conducted an extensive program of surface and underground exploration and development. The Red Mountain deposit is likely to be the next significant gold producer in the Stewart Camp.

A new gold discovery, the Clone property, owned 50:50 by Teuton Resources Corp. and Minvita Enterprises Ltd., has received considerable attention in the form of an intensive exploration drilling program during 1996. This property is situated 17 kilometers east of the Georgia River property (Figure 3).

### **Property History:**

Gold mineralization was found on the Georgia River property in 1910 by prospectors Dan Hume and Jake Jarvis. Work has been carried out intermittently since 1912 and is well documented in Minister of Mines reports. Between 1912 and 1935 surface and underground work was carried out along the Bullion and Southwest Veins. At least three tunnels were driven, with the No. 2 Adit being by far the most extensive at approximately 475 metres in length (Figure 5) .

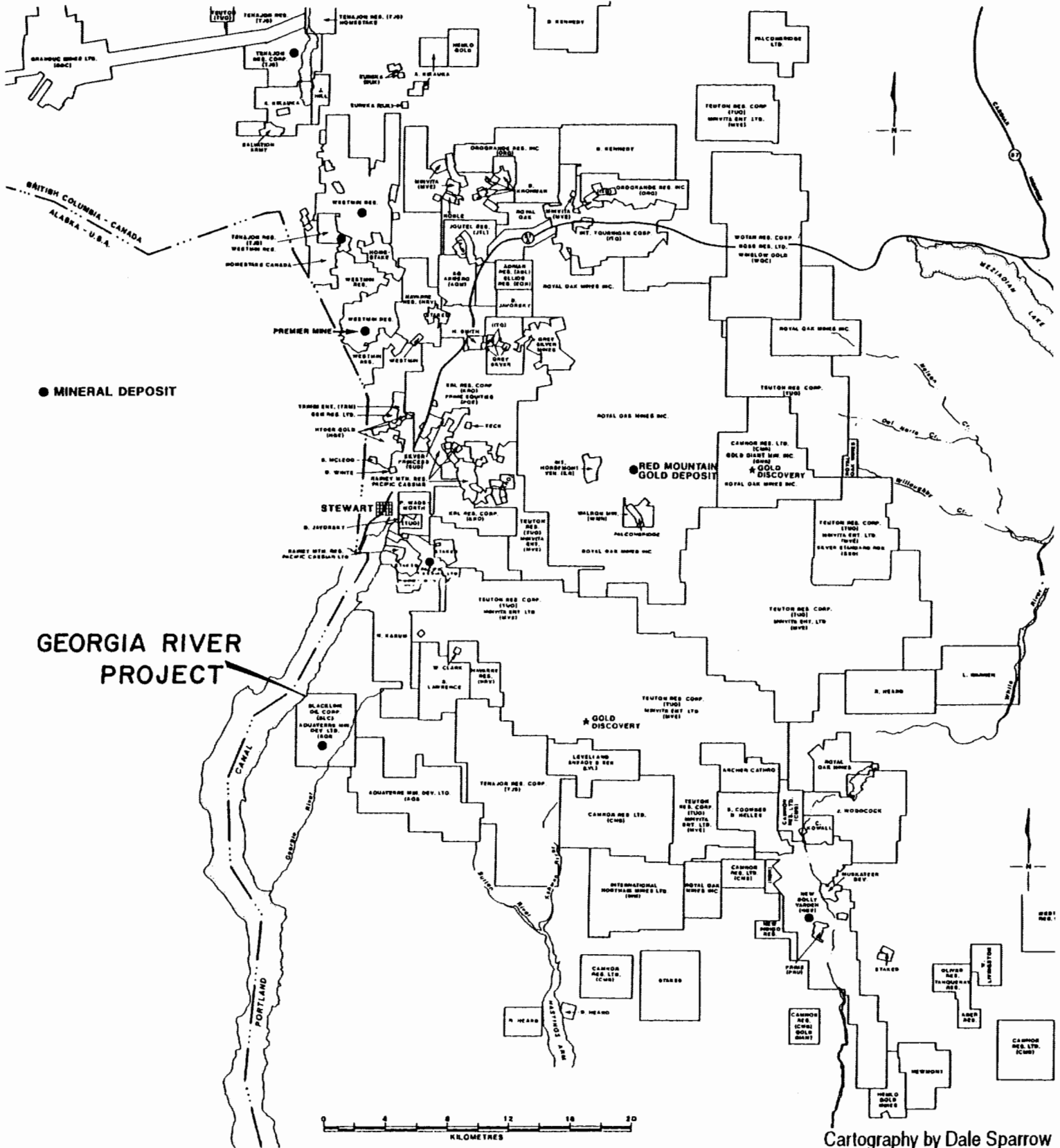
In 1936, a small mill was constructed by Helena Gold Mines Ltd. and in 1937 the mill reportedly processed 500 tons of stoped ore from the end of the No. 2 Adit. A total of 329 ounces of gold, 410 ounces of silver and 7,302 pounds of lead were recovered, indicating an average mill grade of 0.658 oz/ton gold, 0.82 oz/ton silver and 0.73 % lead.

The property lay idle until 1979 when E&B Explorations Ltd. and Cannon Resources Ltd. conducted a small diamond drilling program on the Main, Southwest and Georgia Veins. By 1981, an additional 29 drill holes were completed. A number of high grade gold intersections were reported.

During 1988 and 1989, Avatar Resources Corporation completed 29 holes totalling 4,157 metres on the Southwest, Main and Georgia Veins.

# STEWART AREA BRITISH COLUMBIA

May 1996



Cartography by Dale Sparrow  
Meridian Map Drafting Ltd  
Victoria

Figure 3

In 1990, Bond Gold Inc. completed 15 drill holes totalling 1,557 metres along with geological mapping and geophysical surveys. Mapping identified a total of eighteen structurally controlled quartz veins.

In 1995, Aquaterre completed 19 diamond drill holes totalling 1,839 metres along with geological mapping, an IP survey and surveying of all recent and historical drill holes. In addition, all of the No.2 adit was surveyed.

## **GEOLOGY**

### **Regional Geology:**

The Georgia River property is situated within the Stewart Complex, forming part of the Intermontane Belt along the western margin of the Stikine Terrain and the eastern margin of the Coast Plutonic Complex (Grove, 1986). The Stewart Complex is a northwest trending belt of Mesozoic volcanic and sedimentary rocks predominantly of the Stuhini and Hazelton Groups. This assemblage extends from Alice Arm in the south to the Iskut River in the north. The rocks comprising the Stewart Complex (Figure 4), are briefly described from oldest to youngest as follows:

### **STUHINI GROUP (Upper Triassic)**

Sedimentary/volcanic rocks changing from mafic to felsic flows and tuffs with thick interbedded limestone in the northwest to mafic volcanics and minor shale in the southeast.

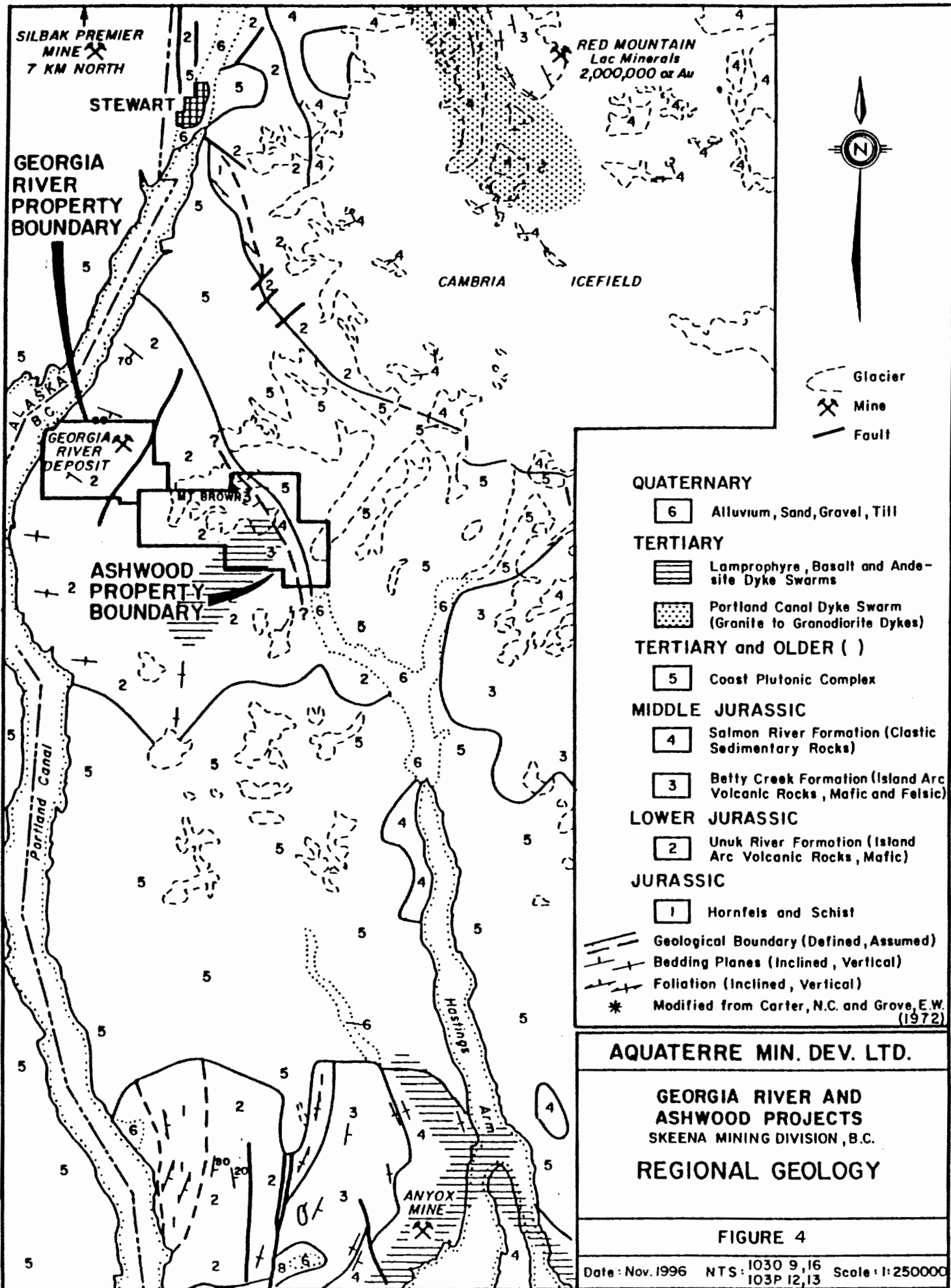
### **HAZELTON GROUP (Upper Triassic to Middle Jurassic)**

Island arc complex unconformably overlain by basin sedimentary rocks in the northeast. The Hazelton Group is subdivided into four stratigraphic units from oldest to youngest (Grove, 1986) as follows:

- a) **Unuk River Formation (Upper Triassic to Lower Jurassic)**  
Thick assemblage of intermediate to mafic volcanic flows and tuffs with minor interbedded argillite, shale and greywacke.
- b) **Betty Creek Formation (Middle Jurassic)**  
Andesite, basalt flows, volcanic breccia, conglomerate, sandstone and siltstone.
- c) **Mount Dillworth Formation (Middle Jurassic)**  
Volcanic assemblage of rhyolite, rhyolite crystal and lithic tuffs and breccia.
- d) **Salmon River Formation (Middle Jurassic)**  
Sedimentary assemblage of siltstone, greywacke, sandstone, with minor limestone, argillite and conglomerate.

### **BOWSER LAKE GROUP (Middle to Upper Jurassic)**

Rests unconformably on the Hazelton group and consists of a marine assemblage of shale, argillite, siltstone, mudstone, greywacke and conglomerate.



SILBAK PREMIER MINE  
7 KM NORTH

RED MOUNTAIN  
Lac Minerals  
2,000,000 oz Au

STEWART

GEORGIA RIVER  
PROPERTY  
BOUNDARY

CAMBRIA ICEFIELD

GEORGIA RIVER DEPOSIT

MY BROWN

ASHWOOD  
PROPERTY  
BOUNDARY

Portland Canal

Hastings Arm

ANYOX MINE



- Glacier
- Mine
- Fault

**QUATERNARY**

- Alluvium, Sand, Gravel, Till

**TERTIARY**

- Lamprophyre, Basalt and Andesite Dyke Swarms
- Portland Canal Dyke Swarm (Granite to Granodiorite Dykes)

**TERTIARY and OLDER ( )**

- Coast Plutonic Complex

**MIDDLE JURASSIC**

- Salmon River Formation (Clastic Sedimentary Rocks)
- Betty Creek Formation (Island Arc Volcanic Rocks, Mafic and Felsic)

**LOWER JURASSIC**

- Unuk River Formation (Island Arc Volcanic Rocks, Mafic)

**JURASSIC**

- Hornfels and Schist

- Geological Boundary (Defined, Assumed)
- Bedding Planes (Inclined, Vertical)
- Foliation (Inclined, Vertical)
- \* Modified from Carter, N.C. and Grove, E.W. (1972)

**AQUATERRE MIN. DEV. LTD.**

**GEORGIA RIVER AND  
ASHWOOD PROJECTS**  
SKEENA MINING DIVISION, B.C.  
**REGIONAL GEOLOGY**

**FIGURE 4**

Date: Nov. 1996 NTS: 1030 9,16 103P 12,13 Scale: 1:250000

### **INTRUSIVE ROCKS (Middle Jurassic to Tertiary)**

The Coast Plutonic Complex bounds the Stewart Complex to the west and is characterized by plutons and dykes of quartz dioritic to granitic composition. The Georgia River property lies within the Georgia River roof pendant comprised of predominantly Hazelton Group rocks (Grove, 1986) within the eastern margin of the Coast Plutonic Complex.

The oldest plutonic rocks in the region are the Lower Jurassic Texas Creek intrusions comprised of diorite to granodiorite. These rocks are of similar age (coeval) to the Hazelton Group volcanics.

### **Property Geology:**

The Georgia River property has been mapped in detail by Kruchkowski (1981) and Bray and Rainsford (1990), and most recently by Schatten and Montgomery (1995).

The property is underlain by rocks of the Unuk River Formation (Hazelton Group). The western portion of the property consists of a northwest trending belt of massive, porphyritic andesite flows (Bray, 1990). Underlying and to the east of these rocks is a 350 metre wide belt of andesite ash and crystal tuff. Below this is a thicker assemblage of massive andesite flows with minor pillow basalt intruded by northwest trending granodiorite dykes and stocks with minor hornblende porphyry dykes. The eastern edge of the mapped area is underlain by argillite cut by granodiorite dykes and plugs. The original textures of the rocks have been variably obliterated by alteration related to regional metamorphism and intrusive activity. Alteration of the rocks include chloritization, silicification, carbonatization and sericitization. Proximal to intrusives, patchy epidote  $\pm$  biotite  $\pm$  chlorite alteration has developed. Chloritic schists, commonly containing mariposite, occur near areas of faulting and intrusive activity.

The rocks on the property are also variably deformed and faulted. The primary foliation trends northwesterly with dips to the southwest at 50° to 70°. Foliation in most cases is believed to be parallel to the bedding planes.

The dominant fault systems on the Georgia River property trend northwesterly to northerly and are usually steeply inclined. Quartz veins occupying northwesterly trending fault zones show lateral displacement by younger northerly trending faults

## **MINERALIZATION**

### **Regional Mineralization:**

The Stewart Complex is a prolific belt host to numerous base and precious metal deposits. Camps include Stewart (Silbak-Premier, Big Missouri, Red Mountain and Granduc deposits), Iskut (Snip, Johnny Mountain and Eskay Creek), Sulphurets and Kitsault (Anyox Mine). Gold deposits within the Stewart Complex exhibit a spatial and temporal relationship with the Lower Jurassic intrusions (Grove, 1986).

Records (BCEMPR) indicate that between 1918 and 1979, the Silbak-Premier Mine produced a total of 4.6 million tons of ore with a recovered grade of 0.39 oz/ton gold, 8.8 oz/ton silver, 2.3% copper, and 0.8% combined lead-zinc. In 1989, Westmin Resources Ltd. commenced operation and began milling ore from the Silbak-Premier and other nearby deposits. Reserves are nearing exhaustion and Westmin is currently available to mill other ores. The Granduc Mine, located 20 kilometers north of Silbak-Premier, operated between 1971 and 1984 and produced 17.4 million tons grading 1.2% copper along with minor gold and silver. The Anyox volcanogenic massive sulphide deposit situated 35 kilometres south of the Georgia River property produced between 1914 and 1939.

More recently, considerable attention has been focussed on the Red Mountain and Clone deposits (Figure 3). The Red Mountain deposit reportedly contains a mineral inventory in the range of one to two million ounces of gold. The very recently discovered Clone deposit consists of gold-cobalt mineralization hosted by shear zones. No mineral inventory has yet been published for this deposit.

#### **Property Mineralization:**

Mineralization on the Georgia River property consists of quartz veins that were emplaced during several stages of faulting and intrusive activity. The veins are believed to be epithermal, however the base metal content and vertical extent suggest possible mesothermal characteristics. To date, a total of eighteen quartz veins have been documented.

The initial stage of veining formed along northwesterly trending fault and fracture systems paralleling regional trends. This system of veining includes the Main, Georgia, Gem, Gem Top, Gem A, CC#1, CC#2 and Pond Veins. Dips are approximately 60° SW (Bray, 1990). Typically these veins consist of white quartz containing less than 5% disseminated, bleb and stringers of pyrite ± pyrrhotite ± sphalerite and galena. Precious metal values are generally low, however erratic high grades have been reported.

A second system of quartz veins developed along later northerly to northeasterly trending faults. These subvertical to vertical dipping veins are often accompanied by the formation of chlorite schist and gouge. Veins in this group include the Southwest, Bullion, East, Eastmark, East Bob and Cobbett. The Southwest and Bullion Vein have been shown to offset the older Main and Georgia Veins up to several tens of metres (Kruckowski, 1981). The majority of past and recent exploration has been directed at the Southwest Vein (drilling and underground development) and the Bullion Vein (underground development).

The Southwest Vein occurs as narrow quartz veins and stringers that are locally brecciated. Sulphide content typically averages 10% and may include in general order of abundance pyrrhotite, pyrite, sphalerite, galena, arsenopyrite and chalcopyrite. The strongest gold mineralization in the Southwest Vein is usually associated with sulphide rich (up to 30%), brecciated quartz. Visible gold has been reported by past operators and during the 1995 and 1996 drill programs. Areas of gold enrichment have been reported at the intersection of

northwesterly (Main and Georgia) and northerly to northeasterly (Southwest and Bullion) trending veins.

The youngest mineralization on the property appears associated with intrusive activity and is manifested by northeasterly trending, sulphide rich veins. Mineralization consists of massive concentrations of sphalerite, pyrite, and pyrrhotite. Gold concentrations in these veins is generally low and of minor significance.

In 1995, Aquaterre drill tested a 160 metre strike length of the Southwest Vein referred to as Zone 1. (Figure 5). This program established a proven/probable reserve of 14,899 tons grading 1.39 oz/ton gold (using a 0.60 oz/ton cutoff).

### **DIAMOND DRILLING PROGRAM - 1996**

In early August, 1996, Aquaterre Mineral Development Ltd. established a 10 person tent camp in the previous years camp area. A control surveyed grid established in 1995 was used for field location of drill holes. All holes were surveyed by Skeena Project Services Ltd. at the end of the program.

Diamond drilling was carried out by Falcon Drilling Ltd. of Prince George, B.C. using a compact hydraulic drill (Falcon 1000) designed to be easily dismantled and moved by a Hughes 500D helicopter. The drill was equipped with BQTW rods that produced a 4.2 cm diameter core. Drill moves, as well as camp support, were carried out by the Vancouver Island Helicopter Ltd. base in Stewart, B.C.

During the period August 23 to September 5, 1996, sixteen drill holes were completed totalling 1,844 meters (6,050'). Details of the drill program are given on Table 2. Drill hole locations along with historical drill holes in the area are displayed on Figure 5.

Samples of all significant quartz veins, stockwork, silicified/bleached, shear and sulphide rich zones were collected. The maximum length for a sample was generally 1.5 metres. Drill core was split in the field, labelled and shipped to the Eco Tech Laboratories preparation facility in Stewart. One assay ton (A.T.) gold analysis was conducted on prepared pulp samples at the Eco Tech Head office and laboratory in Kamloops, B.C. In all, 169 samples were analyzed in the 1996 program. The analytical method is outlined in Appendix C.

The total expenditure for the 1996 program was \$277,210. An itemized breakdown of the program costs is shown in Appendix E.

**Table 2. Diamond Drill Holes 1996**

Hole No.	Date Start/Complete	Grid Coordinates		Bearing	Angle	Collar Elev. (m)	Hole Depth (m)
		Northing	Easting				
96-01	Aug 23/96	7+03N	0+38.5W	105	-45	1050.6	81.7
96-02	Aug 23-24/96	7+03N	0+38.5W	105	-57	1050.6	102.7
96-03	Aug 24-25/96	6+73N	0+46.6W	105	-52	1044.4	117.1
96-04	Aug 25-26/96	6+44N	0+47W	105	-55	1036.6	118.3
96-05	Aug 26-27/96	6+44N	0+47W	105	-63	1036.6	127.4
96-06	Aug 27-28/96	6+13N	0+55W	105	-58	1032.7	142.7
96-07	Aug 28-29/96	6+59N	0+58.7W	105	-45	1041.9	109.2
96-08	Aug 29/96	6+59N	0+58.7W	105	-51	1041.9	108.8
96-09	Aug 30/96	6+90N	0+54.3W	105	-49	1048.1	103.1
96-10	Aug 30-31/96	6+90N	0+54.3W	105	-56	1048.1	100.0
96-11	Sep 01/96	6+73N	0+46.6W	105	-45	1044.4	151.8
96-12	Sep 02/96	7+20N	0+19.4W	105	-45	1050.1	96.34
96-13	Sep 02-03/96	10+25N	0+05E	105	-45	1101.7	139.6
96-14	Sep 03-04/96	10+00N	1+16E	285	-45	1081.3	130.5
96-15	Sep 04-05/96	6+74N	0+18.3W	105	-45	1042.0	100.9
96-16	Sep 05/96	6+60N	0+27W	105	-45	1041.6	114.3
						<b>Total:</b>	<b>1844.0m</b>

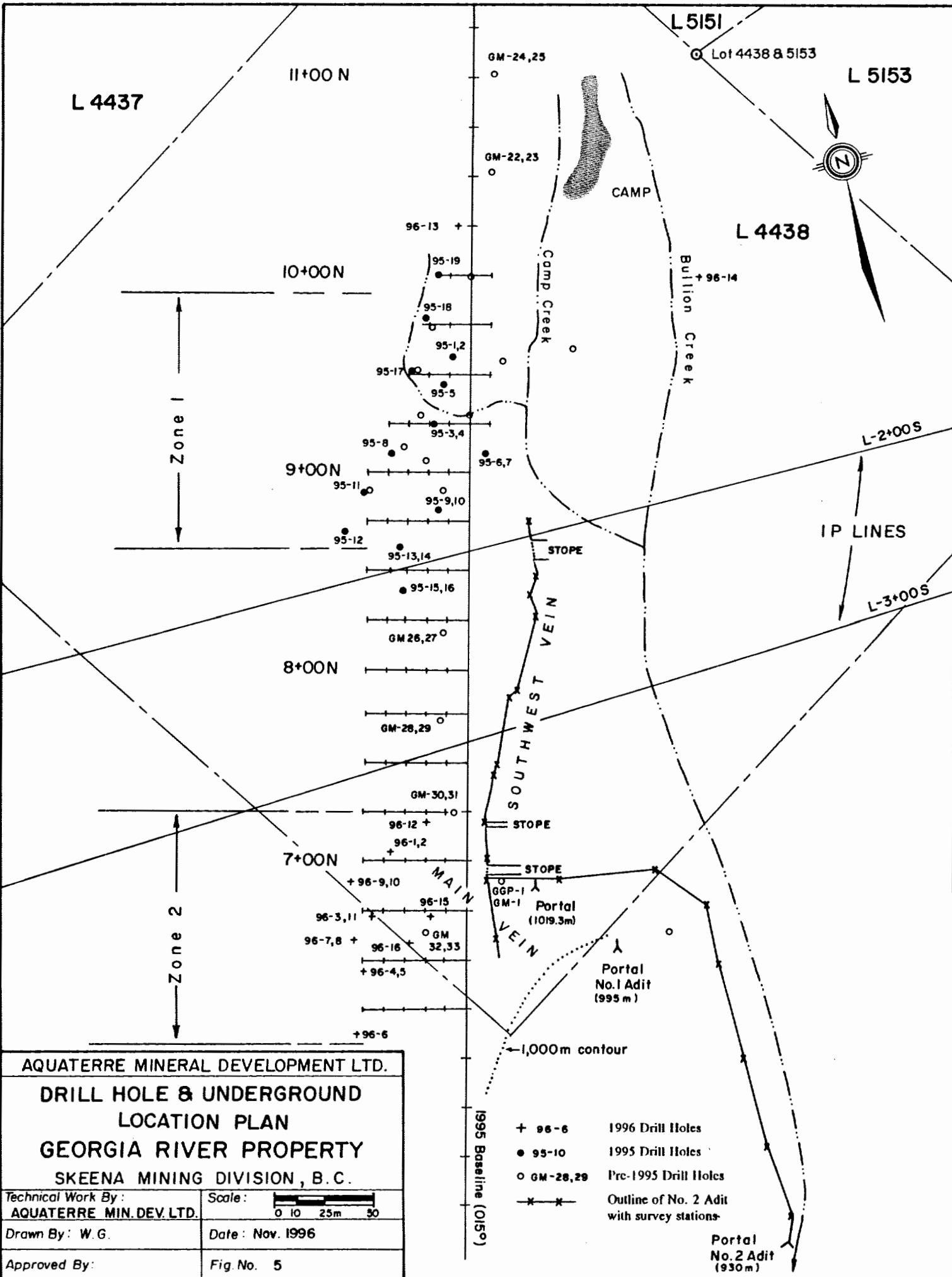
**Program Results:**

The objective of the 1996 drill program was to test a more southerly portion of the Southwest Vein referred to as Zone 2. In all, a strike length of 107 metres was drill tested from Section 6+13N to Section 7+20N. Zone 2 has been defined as the area of intersection between the Southwest and Main Veins (Figure 5). Outlined in Table 3 are the significant drill hole intersections of the 1996 program.

Drilling during 1996 encountered multiple zones of silicification, stockwork veining and quartz veins often over wide areas and often not where expected. This contrasted sharply with the 1995 and earlier programs where most intersections of the Southwest Vein were predictable and fit well with projections of the vein observed in the No. 2 adit. Rather than a near vertical dipping vein, drilling revealed veins and silicified/stockwork zones of varying attitudes. The Southwest Vein when observed, dipped 70-75° to the west (Sections 6+59N; 6+73N and 6+90N). Also complicating the picture were quartz veins that looked much like the Southwest Vein but occurred considerably west of the trace of the vein seen in the No. 2 adit. An example of this is seen on Sections 6+44N and 6+90N where a similar looking vein occurs from 10 to 25 metres westerly of the interpreted Southwest Vein trace.

In several instances (Section 6+73N and 7+03N), wide zones of silicification and stockwork veining were observed. Although appearing mineralized (sulphides) and locally well quartz veined, these zones generally returned low gold values. It is likely that these wider zones may reflect the cross cutting Main Vein. The best example of the likely interrelationship between the Main and Southwest Vein is seen on Section 6+73N. This section yielded the highest gold grades and the only two occurrences of visible gold. Four of the five mineralized vein





L 4437

11+00 N

GM-24,25

L 5151

Lot 4438 & 5153

L 5153

GM-22,23

CAMP

L 4438

10+00 N

96-13 +

Camp Creek

Bullion Creek

+ 96-14

Zone 1

95-19

95-18

95-1,2

95-17

95-5

95-8

95-3,4

9+00 N

95-11

95-9,10

95-6,7

95-12

95-13,14

95-15,16

GM-26,27

IP LINES

L-2+00S

L-3+00S

8+00 N

GM-28,29

SOUTHWEST VEIN

STOPE

STOPE

GM-30,31

96-12 +

96-1,2

STOPE

7+00 N

+ 96-9,10

96-15

GM-1

Portal

(1019.3m)

96-3,11

GM

32,33

Portal

No. 1 Adit

(995 m)

96-7,8 +

96-16 +

+ 96-4,5

+ 96-6

MAIN VEIN

1,000m contour

1995 Baseline (OISc)

AQUATERRE MINERAL DEVELOPMENT LTD.

**DRILL HOLE & UNDERGROUND  
LOCATION PLAN  
GEORGIA RIVER PROPERTY  
SKEENA MINING DIVISION, B. C.**

- + 96-6      1996 Drill Holes
- 95-10     1995 Drill Holes
- GM-26,29   Pre-1995 Drill Holes
- x —      Outline of No. 2 Adit  
with survey stations

Technical Work By: AQUATERRE MIN. DEV. LTD.	Scale:
Drawn By: W. G.	Date: Nov. 1996
Approved By:	Fig. No. 5

Portal  
No. 2 Adit  
(1930 m)

intersections are closely associated with wide areas of bleaching, silicification and stockwork veining (Main Vein?). Two intersections above and below the Southwest Vein are interpreted to be splay veins (Splay "A" and "B"). It is readily apparent that the character of the Southwest Vein (i.e. shallower dip, splay veins) has been affected by structural features such as the Main Vein in this particular area. Also of considerable significance is the proximity of drill intercepts in holes GM-32 and 33 that were drilled by E&B Explorations in 1981. The drill intercepts occur from 2 to 4.5 metres northerly of Section 6+73N and include the highest grade intercept ever encountered on the property (27.8 oz/ton over 0.73 metres).

Drilling on sections 10+00N and 10+25N revealed that the Southwest Vein is likely to extend northerly of the area drilled in 1995. Further work in this area is recommended to determine if another shoot can be developed.

Table 3. Significant Drill Hole Intersections

Hole Details				Intersection Details				
Hole No.	Section	Angle*	Collar Elev. (m)	From-To (m)	Drill Width (m)	Midpoint Elev. (m)	Au (oz/ton)	Description
96-01	7+03N	-46.0°	1050.58	40.56- 60.82	20.26	1014.12	Trace to 0.041	Strongly bleached, altered, quartz stockwork zone (10-65% qtz)
96-02	7+03N	-56.0°	1050.58	39.37- 49.62	10.25	1013.70	<0.010	Similar to above - veining locally to 70%
96-03	6+73N	-52.0°	1044.39	96.92- 98.47 98.47- 98.80	1.55 0.33	967.42 966.67	<b>0.661</b> 0.003	Hanging wall (SW Vein) - bleached, silicified metavolcanic <i>SW Vein</i> (80% quartz)
96-04	6+44N	-54.5°	1036.59	89.67- 95.88	6.21	961.07	Trace to 0.003	Bleached, strongly silicified intrusive and quartz vein zone
96-05	6+44N	-62.5°	1036.59	113.54-114.86	1.32	935.30	<0.001	Quartz rich zone (65%) (SW Vein) in altered intrusive
96-06	6+13N	-57.5°	1032.73	58.18- 61.18	3.00	982.40	<0.001	Pyritic, altered intrusive with 20-35% quartz veining
96-07	6+59N	-45.0°	1041.86	--	--	--	≤0.004	Narrow silicified zones, no quartz veins
96-08	6+59N	-51.0°	1041.86	--	--	--	≤0.006	As above
96-09	6+90N	-49.0°	1048.00	81.99- 82.76 82.76- 88.78	0.77 6.02	985.84 983.28	<0.001 0.003 to 0.022	<i>Quartz vein zone</i> - 65 to 70% quartz Bleached, silicified quartz vein stockwork in altered intrusive
96-10	6+90N	-56.0°	1048.00	87.64- 88.39 88.39- 90.81	0.75 2.42	975.04 973.73	<0.001 0.003 to 0.008	<i>Quartz vein zone</i> (90% quartz) Bleached, silicified stockwork veined metatuff footwall to quartz vein
96-11	6+72N	-45.7°	1044.39	100.18-109.12 108.32-109.12	8.94 0.80	969.50 966.59	0.002 to 0.397 <b>0.397</b>	Quartz vein/Stockwork zone (15-90% quartz) Strongly mineralized quartz stockwork with <b>VISIBLE GOLD</b>
96-12	7+20N	-45.0°	1050.09	38.05- 38.96 57.38- 60.28	0.91 2.90	1022.87 1008.50	<0.001 0.030	Quartz vein zone (50% quartz) Carbonate altered, weakly silicified metatuff (up to 15% quartz)
96-13	10+25N	-45.0°	1101.71	56.79- 57.24	0.45	1061.40	<b>0.170</b>	Carbonate rich zone with high concentration of pyrite, sphalerite, galena and pyrrhotite
96-14	10+00N	-45.0°	1081.33	108.18-108.29	0.11	1004.81	<b>0.467</b>	Quartz vein in shear zone (107.50-108.87)
96-15	6+73N	-45.0°	1042.00	70.15- 70.60 70.60- 77.60	0.45 7.00	992.24 989.61	<b>2.174</b> 0.001 to 0.022	SW Vein with 10% pyrrhotite, 3% galena and <b>VISIBLE GOLD</b> Bleached, silicified zone footwall to SW Vein (Qtz locally to 80%).
96-16	6+60N	-45.0°	1041.64	82.67- 83.11 99.15-105.10	0.44 5.95	983.04 969.44	<b>0.126</b> <0.001 to 0.010	Quartz vein zone (35%) Altered, silicified stockwork and quartz vein zone

\* Angle between start and finish (acid test) angle.

## CONCLUSIONS AND RECOMMENDATIONS

The 1996 drill program revealed that the Southwest Vein and another structure likely intersect in the tested area (Zone 2). This resulted in some unexpected changes to the orientation and position of the Southwest Vein. In one area at least, (Section 6+73N) there appears to be evidence for the existence of a significant high grade shoot. The full extent of this shoot has not been tested and further work is recommended to properly establish a reserve in Zone 2.

Based on the picture that has emerged from the 1996 program, the following is recommended:

1. Setup on selected 1996 drill pads and deepen some holes to intersect the true Southwest Vein.  
Possible sections and holes to utilize are:
  - a) Section 7+03N - deepen 96-01
  - b) Section 6+59N - deepen 96-07
  - c) Section 6+90N - deepen 96-09
2. Test area north and south of GM-28 and 29 (~7+70N) with step out sections at 7+55N and 7+85N. Expand north and south if results are favourable to determine if another shoot can be delineated.
3. Test area north and south of GM-22 and 23 (10+53N). Step out sections should be 10-15 metres from GM-22 and 23 collars. Expand north and south if results are favourable, to determine if another shoot can be delineated.

Respectfully submitted by  
**GEOQUEST CONSULTING LTD.**



Werner Gruenwald, B. Sc., F.G.A.C.  
Geologist

Vernon, B.C.  
November 28, 1996

**APPENDIX A**

**DIAMOND DRILL LOGS**

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-1

PAGE 1 OF 5

DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
81.7m	-47°	-

CORE SIZE: BTW	TOTAL DEPTH: 81.7 m	DATE STARTED: AUG 23/96
HOLE ANGLE: -45°	HOLE AZIMUTH: 105°	DATE FINISHED: AUG 23/96
SECTION: 7+03 N	COLLAR ELEVATION: 1050.58m	ANALYSIS BY: Ecolab Labs.
LATITUDE:	RECOVERY: 98% <sup>T</sup>	LOGGED BY: R. MONTGOMERY. M. COPLEY.
DEPARTURE: 07 38.5W	CLAIM:	CORE STORED AT: <i>Fruit</i>

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-3.96		<u>OVERBURDEN</u>					
3.95-21.95	.20	Dark Grey-Greenish fine grained <u>TUFF</u> Moderately well developed fabric @ 45-50° to c/a. Carbonate veinlets & stringers common over. Intv., often parallel to fabric. Few pinkish/white calcite veins ≈ ~ 5-7 cm. Occasional narrow, irregular Qtz vnt. Fractures variable; often 30-50° to c/a	Locally up to 1% diss py. Tr f <sup>d</sup> diss. py.				
		3.96 - 5.59 m. Broken rubble core, minor brown silt/clay along fractures.					
		19.18 - 19.30. Green, altered fine grained chlorite rich tuff.					
21.95-40.5	~.15	Dark grey-green-maroon, locally bleached/weakly silicified <u>ALTERED INTRUSIVE</u>					

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-1

PAGE 2 OF 5

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
21.95-40.56 CONT'D		ALTERED INTRUSIVE - wkly → mod developed fabric @ 40-50° to CIA. Biotite alteration pervasive throughout Intv ( % biotite ⇒ than previous tuff unit). Plag. crystals common; average 2-5 mm wide with a few up to 3-4 cm Occasional large xenolith (± 3-4 cm wide) often elongated // to direction of fabric Locally patchy calcite / chlorite alt <sup>n</sup> Few narrow Qtz veinlets. Numerous narrow carb. veinlets @ ~ 20°-40° to CIA, often offset by small shear zones.	Typically Tr- 1/2% f <sup>n</sup> diss. py. Few bleached sections w 2-4% py disseminations & blebs.				
		25.52 - 26.27M Olive green - maroon bleached Limonite, wkly silicified altered intrusive Small vugs & dissolution cavities common @ ~ 25.80 - 26.27M	Tr- 1/2% f <sup>n</sup> diss. py.				
		30.49 - 30.87M Pale green - maroon, bleached wkly silicified altered intrusive.	3-4% py.				
		34.67 - 35.18M Pale grey, bleached, mod silicified altered intrusive.	3% py Tr- 1/2% po.				
		35.87 - 36.29 SIMILAR TO ABOVE (34.67-35.18).	Locally 2-3% py.				
		37.70 - 40.56M Grey - maroon bleached, locally wkly silicified altered intrusive. Qtz veinings ↑ towards bottom of Intv. Intermittent biotite alt <sup>n</sup>	po. Py coating fractures.				
40.56-42.15	0	Light Grey, strongly bleached, silicified, locally stock-work veined Altered intrusive. Qtz / carb veins irregular, patchy, mottled appearance.	3-4% po blebs & stringers. 1-2% py.	60601	40.56-42.15		0.002

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-1

PAGE 3 OF 5

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
42.15-42.80	0	Qtz vein zone (SW vein?). ~65% Qtz, 10% carb.	3-4% po blebs & stringers ~1% py	60602	42.15-42.80		0.001
		20% altered green-grey intrusive rock frags.					
42.80-47.26		Light-med. grey strongly bleached & silicified altered Intrusive w/ variable amounts of Qtz veining & Qtz stockwork veining. Few narrow sections of massive, biotite rich altered intrusive					
		~15-20% Qtz over top 35 cm of intru. 5-10%	2-3% po, 2% py	60603	42.80-43.6		<0.001
		Irregular calcite vnlts & patches.					
		↑ Qtz 2mm 60603. Bottom half of sample ~40% Qtz stockwork veining. Host rock - grey-green bleached, silicified altered intrusive	3% po, 1% py → Asp > Ga	60604	43.6-44.77		0.002
		Pale grey, bleached, silicified altered intrusive w/ ~20-25% white → orange/limonitic Qtz/carb. veining. Limonitic fracture partings. Numerous 2-4mm wide cross-cutting Qtz microveins.	2-3% po, 2% py TrGa (?). One 3mm wide po, py stringer @ ~60° to CIA.	60605	44.77-45.35		0.005
		Qtz stockwork vein zone (30-35% Qtz), 10% carb. 55% grey, bleached f.g. silicified altered intrusive. @ 43.5m Qtz brecciated, limonitic.	2-3% po stringers blebs, 1% py. Tr Ga.	60606	45.35-45.89		0.002
		Light grey-green bleached, silicified, altered intrusive. Few milky white Qtz (± carb) veins ≤ ~1-2cm wide. ↑ py from prev. intru.	3-4% diss, stringers py. → po	60607	45.89-47.26		0.003
47.26-60.82		Pale Green-grey, bleached, silicified, locally strongly limonitic, vuggy, sheared? altered intrusive w/ few					



AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-1

PAGE 4 OF 5

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		Interbeds f.g. biotitic, altered intrusive(?). Few Qtz vein zones & stockwork Qtz vein zones. (~ ≤ 10 cm wide). Abundant bright green mineral @ top of intr. (mariposite?)	Few % sulfides over intr. Po > or = Py				
		Grey-olive green, strongly bleached, wholly silicified altered intrusive. Bright green mineral us blebs & irregular laminae (mariposite). Fracture partings Limonite.	1-2% py ≥ po	60608	47.26-47.94	<del>0.003</del>	0.003
		Stockwork Qtz vein zone. ~ 40% m. by white - Limonitic Qtz. 5-7% bleached silicified light grey-green altered intrusive. Abundant mariposite (?)	2-3% po > py.	60609	47.94-48.62		0.019
		Light grey-green bleached silicified. altered intrusive. Strongly Limonitic, vuggy over last 30 cm of sample.	2-3% py > po (~ 1-2% po)	60610	48.62-49.93		0.010
		49.93-50.33 Limonitic shear zone, vuggy, crumbly core minor reddish silt/clay. Remainder of sample bleached grey-green silicified altered intrusive. Numerous x-cutting Qtz veinlets Tr mariposite.	2-3% po, 1% py.	60611	49.93-51.02		0.005
		Med grey bleached, wk-mod silicified altered intrusive Tr mariposite Limonitic fractures @ 30-40° to CIA.	~ 2% po, 1-2% py.	60612	56.47-57.31		0.007
		58.3-59.07 Intermittent Qtz veins. ≤ ~ 5-10 cm. @ ~ 40-60° to CIA. Host rock grey bleached/silicified altered intrusive.		60613	58.3-59.07		0.041
60.82-81.70m		60.82-81.70 M Grey-brown → green fine grained <u>TUFF</u> Strong biotite alt <sup>n</sup> over portions of interval.					





**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-2

PAGE 2 OF 6

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
23.53-31.37		Dark Grey-maroon medium grained ALTERED INTRUSIVE. Locally intervals of limonite & silicification py as stringers. Secondary biotite alteration throughout intr. Plagioclase crystals avg. 3-10 mm and are scattered throughout. - Few sections have undergone less metamorphism & display more distinct crystals of original rock. - Weakly developed fibric @ 30-35° to CIA. - Occasional sections w/ limonite, vuggy fractures.	Locally 1-2% py as stringers. coating fractures.				
		26.78-27.3 Core vuggy, limonitic w fractures    to CIA.					
		30.72-31.52 Cloudy white Qtz/calcite vein w minor chl. Sub-   to CIA.	1/2% py, TR PO.				
		32.63-32.95 Calcite 10% vein S.T.A (30.72-31.02).					
		33.21-34.34 Grey-green bleached, mod. silicified pyntic altered intrusives.	2-3% py, 1-2% po	60614	33.21-34.34		0.001
		@ 36.23 m abrupt change from maroon intrusive to Green, grey bleached wholly silicified intrusive w a few Qtz/carb. veins.					
		36.96-37.46 Maroon, mottled Qtz/carb rich altered intrusive.	1/2-1% f <sup>2</sup> diss. py.				
39.37-49.62		Qtz stockwork veining & <u>QTZ VEIN ZONE</u> w intervals of bleached, silicified, Qtz veined grey-green altered intrusive. Minor chlorite along f <sup>2</sup> fractures. Occasional semi-massive - massive po. Stockwork Qtz mod. strongly brecciated	Locally 3-4% po >py>sph> cpy, Ga(?)				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-2

PAGE 3 OF 3

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
39.37-49.62		Stockwork vein zone / bleached, silicified green altered	1-2% po, 1% py.	60615	39.37-40.09		0.001
	CONT'D.	intrusive. Qtz ~ 15% of intv.	Tr sph.				
		Green-grey bleached, silicified, altered intrusive w	1-2% po > py	60616	40.09-40.97		0.002
		MOD. stockwork veining. & Qtz microveining.	(~1/2%).				
		SIMILAR TO ABOVE (S.T.A) slightly higher sulfide content	" "	60617	40.97-41.87		0.006
		Qtz veins ≤ ~ 1cm wide @ ~ 30-35° to CIA.					
		Qtz vein zone (~ 45-50% Qtz over intv.) Cream colored	2-3% po, 1-2% py	60618	41.87-43.37		<0.001
		carb. common w Qtz. @ 42.7 - 42.9 semi-massive po	Tr ~ 1/2% sph. Tr Asp				
		(7-10%) Bright green mineral noted along fractures @	TR cpy / G2.				
		bottom of intv. (mariposite?)					
		Qtz vein zone (~ 65-70% Qtz.) S.T.A (60618)	Sulfides S.T.A.	60619	43.37-44.87		<0.001
		Qtz vein zone (~ 50% Qtz). Tr mariposite. Cream colored	Locally 5-10% po.	60620	44.87-45.87		<0.001
			2-3% py. TR sph				
			TR cpy.				
		Qtz VEIN. STOCKWORK ZONE ~ (25-30% Qtz.)	3-4% po locally	60621	45.87-46.87		<0.001
		Qtz/carb veining within green/bleached, silicified	1-2% py. TR cpy.				
		Altered intrusive rock fragments. Minor chl. alt along fractures.					
		Qtz vein zone (Qtz ~ 70%) 10% carbonate, 15% bleached,	1-2% po, 1/2-1% py.	60622	46.87-48.28		0.002
		silicified older altered intrusive. Tr mariposite. Locally	py. Locally 1/2% sph.				
		minor chl./epidote alt.					
		Qtz vein zone (~ 35-40% Qtz) Epidote alt common	3-4% po. 1-2% py.	60623	48.58-49.62		0.001
		over intv. Tr mariposite. Wk. fabric/deformation @ ~ 45°					
		to CIA.					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-2

PAGE 4 OF 6

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
49.62-54.79		Grey-green <sup>to mod.</sup> maroon bleached w/ly silicified <u>ALTERED</u> OLDER INTRUSIVE Locally brecciated & sheared w/ humorous cross-cutting Qtz veinlets/microveinlets Biotite rich intervals exhibit weak fabric @ ~ 40° to CIA.					
		Grey bleached, silicified altered Intrusive 5-7% irregularly oriented Qtz veinlets/microveinlets	2-3% py. 1% po as blebs & stringers within Qtz.	60624	51.64-53.14		0.006
		S.T.A w 7-10% Qtz veinlets/microveinlets. - epidote alteration, Tr. monophase.	2-3% py & po	60625	53.14-54.64		0.005
54.64-102.74		Varicolored fine grained TUFF w minor interbeds of fine grained sediments/argillite. Color ranges from green in chloritic intervals to brown in biotite rich sections. Sediments are generally dark grey to black. Interval is generally well foliated (15-30° to CIA Ave.) Calcite veinlets throughout, often ~ parallel to fabric locally offset by small shears. Intermittent strong carbonate alteration.					
		54.64-55.44 Biotite altered, maroon f.g. tuff. Calcite veinlets ~ 1cm, follow fabric					
		55.44-56.22 Green, grey f.g. banded tuff, dark layers of po stringers, Epidote alt <sup>n</sup> . Tr. monophase.	1-2% po Tr-42% py				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-2

PAGE 5 OF 6

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
54.64-102.74 CONT'D		59.76-65.86 Dark grey-black finely laminated f.g. Tuff w interbedded sediments well developed foliation @ ~ 20° to CIA. Calcite veinlets often    to sub    to CIA & cross-cutting each other.					
		66.10-69.11 M. Light-med grey carbonate rich strongly deformed f.g. tuff. Minor chl alt <sup>s</sup> .	Locally 1/2-1% po.				
		69.87-70.55 M Shear zone. Brown, limonitic crumbly core, minor brown/green clay. Minor epidote alt <sup>s</sup> . Calcite vein ~4 cm wide @ 20° to CIA. Carb. wiggly to bottom of intv.					
		74.15-74.66 Carb. rich zone S.T.A (66.10-69.11 M) chlorite, carb., biotite alt <sup>s</sup>	1/2-1% po, py				
		74.66-75.75 Dk grey f.g. tuff w interbeds of sediment / argillite. ≤ 2 cm wide. fabric well developed @ ~25° to CIA.					
		75.75-83.25 Green, chloritic f.g. tuff. well developed fabric @ 20-25° to CIA. few narrow calcite veinlets. usually    to sub    to fabric.	Tr-1/2% po Tr py.				
		83.25-93.20 Dk grey, fg. tuff. well developed fabric @ 20-25° to CIA. carb veinlets ≤ 2-3 cm wide usually    to fabric	tr-1/2% diss po				





**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-3

PAGE 1 OF 4

DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
117m	-52.5°	

CORE SIZE: BTW	TOTAL DEPTH: 117.07	DATE STARTED: AUG 24/96
HOLE ANGLE: -52°	HOLE AZIMUTH: 105°	DATE FINISHED: AUG 25/96
SECTION: 6+72 N	COLLAR ELEVATION: 1044.39	ANALYSIS BY: Ecotech Labs
LATITUDE:	RECOVERY: 99%+	LOGGED BY: R. MONTGOMERY
DEPARTURE: 0+47W	CLAIM:	CORE STORED AT: Property

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-0.2		OVB					
0.2-98.47		<p align="center">META</p> <p>med green-grey, <del>fg</del> <b>TUFF</b> locally well foliated, few short intervals of mg-cg fragmental tuff <del>chlorite alteration</del> pervasive over interval, carb veinlets common throughout interval, often    to sub-   to fabric; occasional shear zone w/ clay gouge occasional narrow qtz vein/silicified zone, biotite alteration increasing towards bottom of interval</p>	tr-1/2% diss py, po (po ≥ py)				
		9.64-9.96 creamy-white calcite veinlet @ ~25° to c/a					
		10.06-13.70 broken rubble core w/ intermittent shear zones & minor brown/green clay gouge @ ~13.15 vugs w/ large calcite xtals	locally patches & stringers of epidote				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-3

PAGE 2 OF 4

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		21.65-21.95 broken rubbly carb-rich fg tuff					
		33.62-38.72 mg-cg fragmental tuff, carb-rich fabric @ 25-30° to C/A, fragments up to 2-3cm wide					
		42.00-42.30 shear zone w/ green clay gouge + broken calcite veinlets. upper & lower contacts of shear zone @ 40° to C/A					
		47.71-48.04 stockwork qtz vein (30% qtz) core well silicified	tr-1/2% po 1/2-1% py cubes				
		63.89-64.04 milky-white calcite vein. lower contact @ 40° to C/A upper contact @ 15° to C/A	1% diss + blebs py tr po				
		74.30-75.30 tension gashes/small scale shearing of calcite veinlets					
		bleached, strongly silicified, grey to maroon meta tuff, qtz veins + stockwork veins comprise 10-15% of sample. 4-5% diss + stringer py weak fabric @ 40° to C/A.	tr po 4-5% diss. + stringer py	60626	84.56-85.14		0.003
		86.80-87.50: strongly deformed carb veins @ ~40° to C/A					
		91.76-92.06 bleached, moderately silicified, brown-green meta tuff, fabric ~ 35-40° to C/A	2-3% diss py stringers				
		white epidote alteration	1% po				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-3

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		→ 92.77-93.22 similar to above					
		sharp upper contact @ ~ 45° to C/A w/ brown, fg, biotitic, meta-tuff					
		→ 96.92-98.47 hanging wall to SW vein?	4-5% py	60627	96.92-98.47		0.661
		pale grey/green, bleached, well silicified meta-tuff. few qtz veins ≤ 1.5 cm sub    to C/A	tr-½% po tr mariposite				
98.47-98.80		→ <u>SW VEIN?</u> 80% qtz minor patchy carb contact w/ footwall @ ~ 60° to C/A	3-4% blebs + stringers of po 2-3% py	60628	98.47-98.80		0.003
98.80-109.65		<u>VARICOLORED, ALTERED, BLEACHED METAVOLCANIC.</u>	tr sphalerite.				
		- bleached, silicified, brown to green, biotite altered, meta tuff	4-5% py 1-2% po	60629	101.06-102.56		0.006
		- maroon, bleached, well silicified, altered meta tuff stockwork veining/micro veining, predominately over last ½ of interval (veins sub    to 20° to C/A)	3-4% py 2% po minor mariposite, epidote	60630	102.56-104.06		0.007
		→ well silicified, bleached + stockwork veined (15% qtz) fabric poorly to mod. developed @ 25-30° to C/A minor epidote + chlorite alteration	increase in po over prev interval 3-4% po 1-2% py tr cpy	60631	104.06-105.56		0.003

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-3

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		- pale grey-maroon, bleached weak to mod silicified, mod well developed fabric @ ~ 35° to C/A, minor epidote alteration	3-4% blebs + stringers of py 1/2 1% po	60632	105.56-107.06		0.003
		- qtz vein + stockwork vein zone; ~30% qtz	3-4% blebs + stringers of po 1% py	60633	107.06-108.56		0.003
		- qtz vein → 85% qtz, minor epidote alteration	tr mariposite 3-4% po <sup>(blebs + stringers)</sup> 1% py	60634	108.56-108.81		0.001
		- grey/mottled green, bleached, mod-well silicified altered meta-tuff, qtz stockwork vein	3-4% po 1% py	60635	108.81-109.20		0.14
		109.50-109.60 → qtz vein; upper + lower contacts @ 60° to C/A	tr mariposite				
		strong biotite alteration @ bottom of interval W					
		strong deformation.					
		- @ 109.60-109.65 broken shear zone - transition to underlying fg biotitic meta tuff					
109.65-112.69		dark brown, fg, biotite altered, meta tuff. few narrow cross cutting carb veinlets					
112.69-117.07		dark grey-green, fg, meta tuff. fabric @ ~40° to C/A, minor carb veinlets @ all angles to C/A					
		ECH					

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-4

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
115m	-54°	

CORE SIZE: BTW	TOTAL DEPTH: 118.26	DATE STARTED: AUG 25/96
HOLE ANGLE: -55°	HOLE AZIMUTH: 105°	DATE FINISHED: AUG 26/96
SECTION: 6+44 N	COLLAR ELEVATION: 1036.59m	ANALYSIS BY: ECOTECH LABS. R. MONTGOMERY
LATITUDE:	RECOVERY: 98% <sup>1</sup>	LOGGED BY:
DEPARTURE: 0+47 W	CLAIM:	CORE STORED AT: PROPERTY

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-2.74		OVB					
2.74-12.98		Green (Chloritic) fine-grained META-TUFF. Wk. mod well developed fabric @ ~40° to CIA. Minor irregularly orientated calcite vult <sup>s</sup> over top of intr., often offset by small shears. Limonitic fract. over intr. @ 8.0-8.05 M Shear zone w green/brown clay gouge 9.8-10.1 M. irregular, brecciated carb/Qtz veining. w strong chl. alt <sup>s</sup> 10.58-10.70 Carb/Qtz vein @ ~40° to CIA. Barren: no sulfides noted. Few small vugs in Calcite.	Mod. strong chl. alt <sup>s</sup> over intr. Minor patchy epidote alt <sup>s</sup> -TR f.g. disspy				
12.98-31.57		Med. Grey, med grained strongly altered older INTRUSIVE Original crystals largely obliterated by metamorphism. Narrow carb veinlets commonly @ 45-50° to CIA @ 13.75 small vugs in calcite. Limonitic fractures					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-4

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
12.98-31.57m		@ 23.60 Vuggy, Limonitic carb. veinlets.					
cont'd		@ 26.47-26.82 S.T.A					
		28.17-30.97 Qtz rich section. Narrow, banded, folded veinlets generally following fabric (~40° to C/A).	3-4% f.g. disc ± stringer py. TR Po.				
31.57-36.31		Green, fine-grained carb. rich META-TUFF Broken, fractured, Limonite, rubbly core over first 50 cm of intv. Wk fabric @ ~ 50-55° to C/A Carb. veinlets ~    to sub    to fabric. Tension gashes/ shearing of vnt <sup>s</sup> common. Pinkish rim (ankerite?) bounding few calcite vnt <sup>s</sup> . Lower contact of TUFF @ ~ 40° to underlying Altered Intrusive.	Mod chl. alt <sup>s</sup> Over intv.				
36.31-37.36		Med grey-green bleached - wk mod silicified med. grained altered Older Intrusive (Dyke?) Original crystals almost totally obliterated by metamorphism.	2-3% diss py ± py cubes Minor chl alt <sup>n</sup>				
37.36-89.67		Med-green/grey Chlorite altered fine grained META-TUFF Intervals of med-coarse grained fragmental META-TUFF ± volcanic flows Foliation generally well defined ± averages ~ 30-40° to C/A. Locally foliation    to sub    to C/A. Narrow carb. veinlets common over intv. locally vugs infilled w calcite x-stals.	Locally minor epidote alt <sup>n</sup> Low-sulfides.				
		46.64-46.78 Calcite vein (~2-3cm wide) w large cavity filled w calcite x-stals. Vein @ 5-10° to C/A					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-4

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
37.36-89.67		53.25-62.38 M Dark green chlorite altered, med → coarse grained; locally coarse grained fragmental <u>META-TUFF</u> Large clasts ≤ ~4-5cm long, elongated    to fabric ~ (30-40° to CIA). Intermittent carb. veining, commonly    to sub-   to CIA.	ep, chl, carb alt <sup>±</sup>				
		62.38-89.67m Dark green grey f.g → med grained Meta-TUFF. Occasional minor interbed coarse frag					
		71.5-71.75 M Carb. → Qtz vein zone. Brecciated / sheared. Orientation @ ~35-40° to CIA	1/2% po. Tr- 1/2% py				
89.67-95.88		Grey-bleached - strongly silicified Altered Older <u>Intrusive</u> & <u>Qtz VEIN ZONE</u> Medium grained w crystal outlines largely obliterated by metamorphism. Contact w hanging wall META-TUFF = ~50° to CIA Intrusive is strongly brecciated, fractured. Core is broken & rubble over most of intv. Patchy epidote alt <sup>±</sup> on fractures.	Tr-1/2% f <sup>±</sup> diss py				
		Grey-green bleached, silicified, altered Intrusive w minor stock-work veining. Patchy epidote coatings on fractures.	Tr py. (low sulfide content) Minor chl. alt <sup>±</sup>	60636	89.63-90.76		<0.001
		S.T.A		60637	90.76-91.88		<0.001
		Strongly brecciated, sheared Cloudy wht. <u>Qtz / carb. vein.</u> Low sulfide content, pred. barren Qtz.	Minor chl. alt <sup>±</sup> along fractures - Tr py	60639	91.88-92.36		0.003

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-4

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
95.88-114.76		Green - Grey (chlorite altered) to brown (biotite altered) f.g. well foliated <u>META-TUFF</u> . Few narrow interbeds of dk grey → black fine grained, finely laminated sediments (argillite). Schistose cleavage over top 1-2 m of intv.					
		96.2 - 96.73 Green Chloritic Sheared, strongly foliated f.g. <u>META-TUFF</u> . Green clay gouge @ 96.2 & 96.4-96.5 m.					
		103.72 - 112.17 m Change from Green Chloritic Meta-TUFF to brown biotitic Meta-TUFF. Few short intervals of coarse fragmental volc. Minor interbedded black argillite. Foliation variable from ~15° to CIA to an average of 30-35° to CIA.					
114.76-117.65		114.76-117.65 Grey-maroon bleached, wk-mod silicified <u>ALTERED INTRUSIVE</u> Few narrow (≤ 5-10mm wide) Qtz/ <sup>carb.</sup> veinlets following & perpendicular to CIA.	1/2-1% f <sup>ss</sup> diss. py.				
117.65-118.26		Brown biotite-carb. altered. f.g. <u>META-TUFF</u> @ 118.0-118.26 ↑ biotite /carb. alt <sup>ss</sup> . Fabric poorly developed	Tr f <sup>ss</sup> py. ON fractures & as f <sup>ss</sup> disseminations				
		E.O.H @ 118.26					



AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-5

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
127m	62° /	

CORE SIZE: BQ TW	TOTAL DEPTH: 127.41	DATE STARTED: Aug 26/96
HOLE ANGLE: -63°	HOLE AZIMUTH: 105°	DATE FINISHED: Aug 27/96
SECTION: 6+44 N	COLLAR ELEVATION: 1036.59m	ANALYSIS BY: ECO-TECH
LATITUDE:	RECOVERY: 99% ✓	LOGGED BY: Mike Copley
DEPARTURE: 0+47 W	CLAIM:	CORE STORED AT: Property

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-3.05		OVB (casing)					
3.05-14.75		Green, fg, <u>META-VOLCANICS</u> , occasional carb veins @ 45-55° to C/A & 45° to C/A, patches of mg, black phenocrysts → maybe a volc. flow					
14.75-37.11		Med grey, fg-mg, <sup>ALTERED</sup> <del>bleached</del> <u>META INTRUSIVE</u> bleached sections, fabric @ ~20° to C/A, cross-cutting carb veins nearly <sup>perpendicular</sup> to fabric, top of section shows limonitic alteration, decreasing w/ depth, also more broken & fragmented near top	4-5% py <sup>veins</sup> 1/2-1% po				
		- light amount of qtz stockwork veining	4-5% py <sup>blebs &amp; stringers</sup> tr po	60639	32.10-33.60		<0.001
		- qtz stockwork veining more intense	3-4% py	60640	33.60-35.16		<0.001

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-5

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
37.11-40.95		Green, chlorite altered, fg, <u>META-VOLCANICS</u> fabric @ 30-35° to C/A, few carb veins // to fabric					
		- qtz(carb) veins @ 39.95-40.95 m - first metre of section fractured <del>with high carb</del> with higher carbonate	-	60641	39.95-40.95	<0.001	
40.95-58.88		Green, chlorite altered, fg-mg, <u>META-VOLCANICS</u> some sections of mg fragments (META-TUFF) - mottled appearance, fabric changes from subll to C/A to ~40° to C/A					
58.88-61.50		green, mg, METAVOLCANICS. mafic porphyry → large black phenocrysts ( <del>flow?</del> ), epidote + chlorite alteration					
61.50-71.95		green, fg, METAVOLCANICS. chlorite altered same as above but no epidote, fabric @ 20° to C/A 61.68-20cm section of gypsum xtals along fractures					
71.95-73.60		grey/maroon, biotite altered intrusion, increased amount of carb/qtz veins @ ~40° to C/A chlorite/epidote patches	1/2-1% py #5% po veins				

## AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-5

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
73.60-77.80		green-gray, mg, META VOLCANICS fabric @ 25-30° to c/A, very few carb veins // to fabric darker colour near bottom of section	½-1% py				
77.80-79.74		lt. gray, mg, silicified altered intrusive epidote & chlorite patches, carb & qtz veins (stockwork) - stockwork qtz veining (some carb) @ 79.24-79.74 m	4-5% py blebs 2-3% po blebs	60642	78.24-79.74	<0.001	
79.74-100.62		gray/green, fg, META VOLCANICS - carb content increases w/ depth fabric @ ~35° to c/A some sections show mafic phenocrysts (volc f/s?) some finely laminated sections (tuff) ~25° to c/A - Fractures // to fabric near bottom w/ clay gouge					
100.62-101.12		CHLORITIC, STOCKWORK QUARTZ VEINING veins @ ~25° to c/A, chloritic zones, 40-45% quartz	1-2% po ½-1% py	60643	100.62-101.12	<0.001	
101.12-110.72		brown, biotite altered META VOLCANICS carb veins // to fabric @ ~25° to c/A finely laminated sections may be sedimentary → argillite					
110.72-118.37		grey-brown, mg, ALTERED INTRUSIVE bleached, silicified, biotite altered - stockwork qtz veins @ 112.32-113.54 m	½-1% py 1-2% po blebs 1-2% po tr py	60644	112.32-113.54	<0.001	





358  
90 9-17

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-6

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		36.70-36.90 silicified, chlorite/epidote altered qtz/carb stockwork vein zone	—				
47.76-61.35		<sup>PYRITIC</sup> LF-MED GREEN/GREY, MG, ALTERED OLDER INTRUSIVE locally bleached + well silicified, locally well developed fabric @ ~40° to C/A, occasional 2-5mm wide carb veinlet often parallel or perpendicular to fabric. locally epidote alteration, chlorite locally infilling fractures	3-5% py cubes + stringers tr manganese on fractures				
		58.18-59.68 highly silicified, stockwork veined, pale grey/green altered intrusive, many pyrite cubes oxidized, 20-25% qtz	3-5% py tr manganese	60646	58.18-59.68	<0.001	
		59.68-61.18 S.T.A. (increased qtz content → 30-35%)	S.T.A.	60647	59.68-61.18	<0.001	
61.35-68.14		MED-DARK GREEN, FG, META VOLCANICS strong chlorite alteration over interval, minor carb stringers over first 2.5m, fabric 35-45° to C/A	tr py				
68.14-69.23		WELL SILICIFIED BRECCIATED, QUARTZ STOCKWORK VEINED ALTERED INTRUSIVE strong chlorite/patchy epidote alteration, ~30° qtz	tr py, tr ~1/2% py	60648	68.14-69.23	<0.001	

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-6

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
69.23-69.48		DARK GREEN-BLACK, FG, ANDESITE/BASALT? moderately magnetic	tr-1/2% py				
69.48-86.90		MED-DARK GREEN/BROWN, MG, ALTERED INTRUSIVE locally beached + well silicified, carb veins @ 45-50° to C/A locally minor epidote bleached, strongly silicified, minor patchy epidote.	1-2% py cubes occasional py stringer 2-3 mm @ ~ 25% to C/A				
86.90-96.66		MED-DARK GREEN, FG, META VOLCANICS few large fragments → boundaries largely obliterated by metamorphism, chlorite alteration throughout fabric @ ~ 20° to C/A, sparse carb veins	2-3% diss <sup>py</sup> stringer tr diss py	60649	75.59-77.09		0.001
96.66-98.16		DARK GREY/GREEN SILICIFIED ALTERED INTRUSIVE locally patchy epidote/carbonate, minor chlorite alteration	1-2% py cubes				
98.16-142.65		MED-DARK GREEN, FG, META VOLCANICS larger grained near top of interval, patches of epidote a few sections of coarse fragmental meta-tuff occasional weakly limonitic fracture, locally vugs lined w/ calcite, crenulated fabric in areas, otherwise fabric @ ~ 45° to C/A, weak-mod chlorite alteration 137-142.65 increase in carb ~ 15% carb -mottled appearance	1/2-1% local py				

EOH @ 142.65

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-7

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
109.12	-44.5	

CORE SIZE: BQ-TW	TOTAL DEPTH: 109.12	DATE STARTED: AUG 28/96
HOLE ANGLE: -45°	HOLE AZIMUTH: 105°	DATE FINISHED: AUG 29/96
SECTION: 6+59 N	COLLAR ELEVATION: 6041.86	ANALYSIS BY: ECOTECH LABS
LATITUDE:	RECOVERY: ~99% +	LOGGED BY: Mike Copley Rob Montgomery
DEPARTURE: 0+59 W	CLAIM:	CORE STORED AT: Property

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-3.05		OVB (casing)					
3.05-109.10		MED-DARK GREY-GREEN, FG-MG, META-VOLCANICS					
		3.05-9.96 highly fractured broken-up section mg meta-tuff, limonitic alteration of smaller fragments clay gouge @ 8.38m					
		9.96-24.58 mg meta tuff mottled fabric, few carb veins @ ~25° to C/A, epidote + chlorite alteration	tr-1/2% py				
		24.58-26.32 Dark grey, porphyritic, mg, basaltic flow chlorite alteration	tr py				
		26.32-40.61 med green, fg, meta-tuff weak-mod. mottled fabric, crenulations present on some fractures, fabric @ ~45°, carb veins @ ~20° to C/A, @ 32.52 → 10 cm vuggy calcite vein @ 40° to C/A, chlorite alteration moderate to strong over interval					



AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-7

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		40.61-41.16 white-cream colored qtz/carb vein qtz = ~ 40%, brecciated, crumbly, minor chlorite alteration	no sulphides noted	60650	40.61-41.16		
		41.16-53.75 - increased amount of epidote alteration in a meta-tuff as patches & filaments					
		57.95-63.35 increased amount of carb alteration & veining in dark green, fg, meta tuff, fabric well developed @ 40° to C/A					
		74.71-76.81 shear zone, much chlorite alteration, high carb content, minor qtz content, fractures & shearing sub-ll to C/A, intermittent green clay gouge over interval.	tr disc py				
		79.74 and 79.94 shear zones w/ green clay gouge @ 20° to C/A					
		81.32-81.88 moderate to strongly silicified & bleached biotite & minor epidote alteration	4-5% py	60651	81.32-81.88		0.003
		84.03-84.53 carb > qtz vein biotite alteration, veining @ low angle to C/A	5-6% py blks	60652	84.03-84.53		<0.001



**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96- 8

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
108.81	-51.5°	

CORE SIZE: <i>BTW</i>	TOTAL DEPTH: <i>108.81</i>	DATE STARTED: <i>AUG 29/96</i>
HOLE ANGLE: <i>-51°</i>	HOLE AZIMUTH: <i>105.0 M</i>	DATE FINISHED: <i>AUG 29/96</i>
SECTION: <i>6+59N</i>	COLLAR ELEVATION: <i>1041.86m</i>	ANALYSIS BY: <i>ECOTECH LABS</i>
LATITUDE:	RECOVERY: <i>~997. +</i>	LOGGED BY: <i>MIKE COPLEY ROB MONTGOMERY</i>
DEPARTURE: <i>0+59W</i>	CLAIM:	CORE STORED AT: <i>PROPERTY</i>

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
<i>0-3.05</i>		<i>CASING TO 10'</i>					
<i>3.05-108.81</i>		<i>MED-DARK GREEN, FINE-MEDIUM GRAINED, MAFIC META-VOLCANIC LOCALLY NARROW SECTIONS OF MED-COARSE GRAINED VOLCANIC FLOWS. - Chlorite alt<sup>±</sup> pervasive over intrv. Local patchy &amp; fine filaments of epidote. Locally abundant calcite vnt<sup>s</sup> &amp; carbonate alt<sup>±</sup>. Moderately well developed fabric @ ~ 35-40° to c/A. - Calcite vnt<sup>s</sup> often ⊥ to fabric. &amp; commonly offset by small scale shears &amp; tension gashes. - Calcite &amp; epidote often coating fractures. Few wkly. Limonitic fracture partings @ top of intrv. @ 25.82 m pinkish-white calcite vnt @ ~ 20° to c/A. 25.82- 29.99 m . ↑ Carbonate / calcite veinlets. 35.77- 39.61 m Med. Green med. grained mafic meta- tuff.</i>	<i>Locally Tr-1/2% Pt<sup>±</sup> diss py, other wise sulfide cont ent low.</i>				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-8

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
3.05-108.81		42.9-57.23 Dark grey-green, fine-med. grained meta-tuff sparse carbonate veins @ 35° to 40° C/A. Fine stringers & filaments of epidote throughout. Weak fabric @ 40° to C/A. Occasional 2-3 cm elongated, fragment. within f.g. matrix.					
		66.01-67.51 Dark grey - med. grained. Locally wh - mod. silicified well foliated (30° to C/A) Meta-tuff. 3-5% Qtz over intv.	2-3% py blebs & stringers.	60654	66.01-67.51		<0.001
		70.63 - 71.91 Med grey-green mod-silicified med. grained Meta-volcanic. Minor Qtz stockwork veining. Broken rubbly zone. Minor chlorite alt <sup>n</sup> .	4-5% py blebs & stringers.	60655	70.63-71.91		0.001
		72.13-72.54 shear zone, green clay gouge, highly fractured			72.13-72.54		
		76.01-77.47 brown, locally weakly silicified, fg-mg, meta-volcanic w/ minor qtz veinlets	2-3% diss py up to 5-6% py locally in blebs	60656	76.01-77.47		<0.001
		77.47-79.09 lt brown, mod-strongly silicified, mg, 12-15% stockwork qtz veined, meta volcanic biotite altered. F.w contact @ 20°	5-6% py blebs & stringers	60657	77.47-79.09		0.006
		81.23-82.28 Dark brown, biotitic f.g. META-TUFF Mod. well developed fabric @ ~ 40° to C/A.	~3% py cubes & f <sup>n</sup> diss. py.	60658	81.23-82.28		0.001
		79.09- 108.81 : Dark grey-brown, locally biotite altered f <sup>n</sup> grained Meta Volcanic. Numerous narrow carb. vnlts often sheared & w tension gashes. Fabric @ 25-40° to C/A.	TR-1/2% f <sup>n</sup> diss. py.				
		E.O.H 108.81.					

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-9

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
100 m	-48.5	

CORE SIZE: BTW	TOTAL DEPTH: 103.05	DATE STARTED: AUG 30/96
HOLE ANGLE: -49°	HOLE AZIMUTH: 105°	DATE FINISHED: AUG 30/96
SECTION: 6+90 N	COLLAR ELEVATION: 1048 m	ANALYSIS BY: ECOTECH LABS
LATITUDE:	RECOVERY: 99% +	LOGGED BY: ROB MONTGOMERY.
DEPARTURE: 0+54 W	CLAIM:	CORE STORED AT: PROPERTY.

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-3.05		CASING 10'					
3.05-3.83		Med-dark green f <sup>o</sup> grained META-TUFF Med-Strong chlorite alt <sup>o</sup> . Minor epidote alt <sup>o</sup> along fractures. Tr calcite on fractures. Carbonate vint <sup>o</sup> often // or ⊥ to CIA & are often sheared w tension gashes.	Sulfide content low Locally Tepy.				
3.83-5.51		Med-green chlorite-epidote altered Med-coarse grained fragmental Meta-VOLCANIC.					
5.51-72.66		Med-green pred. f <sup>o</sup> grained → locally med. grained META-VOLCANIC. Generally well developed fabric @ 40-45° to CIA. Chlorite, carb. alt <sup>o</sup> over intv 18.68 - 18.72 m. Green-brown clay gouge w crushed Qtz frags. Broken, rubbly core from 18.72 - 19.42. 22.43 - 24.67 Carbonate rich f.g Dk grey-green Meta-volcanics. @ 44.88 Few narrow irregular epidote stringers & clots.					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-9

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
5.51-72.66 CONT'D		62.49-62.99 Dk grey-brown. biotite altered f.g. Meta-Tuff. wk.-mod silicification & Qtz/carb veining.	~5% py cubes & stringers	60659	62.49-62.99		0.002
		62.99-65.94 M Dk grey/green f.g. Meta-volcanic. Fabric well developed @ ~ 50° to CIA. Occasional narrow carbonate unit					
		65.94-66.13 M 5-7 cm wide Qtz/carb vein & silicified biotitic meta-tuff. (~ 25% Qtz over intv.)	2-3% f <sup>h</sup> diss. py.	60660	65.94-66.13		<0.001
		S.T.A (~ 15% Qtz over intv.)	" "	60661	67.36-67.62		0.004
		60662 Bleached, silicified Qtz stockwork veined altered Meta-tuff. (~ 40% Qtz over intv.) Minor Chlorite/ Epidote alt <sup>h</sup>	~3% f <sup>h</sup> diss. & blebs py.	60662 60662A	70.16-70.56 70.56-71.38		0.006 0.003
		60663 Bleached, strongly silicified, Qtz stockwork vein zone (~ 65% Qtz) Chlorite/epidote alt <sup>h</sup> common throughout. Late stage Qtz microveining.	~3% f <sup>h</sup> diss py	60663	71.38-71.85		0.005
		72.66-73.69 M Dark grey/maroon wk.-mod. silicified Med. grained ALTERED INTRUSIVE Sparse large plagioclase phenocrysts (± ~ 2 cm wide). H.W contact w biotitic meta-tuff @ 40° to CIA.	1% f <sup>h</sup> diss.py.				
		73.69-75.40 Interbedded. Dk. grey f.g meta-tuff & Altered Intrusive fabric @ 30° to CIA. Narrow, sheared Carb. unit <sup>s</sup> often    to CIA.					



AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-9

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
88.76-103.02		Dark grey-brown f.g. locally biotite altered META TUFF. FEW NARROW blk. finely laminated ARGILLITE Interbeds. Fabric locally well developed @ ~30-35° to CIA.					
		Lt grey bleached, wk. mod silicified Altered Meta-TUFF. Few narrow Qtz veinlets & microveinlets.	2% po blcbs ½ stringers 1% diss. py	60669	92.31-92.81		0.002
		↘ @ 95.71-96.11 m 1 cm wide Qtz/carb veinlet @ ~10-15° to CIA. w 1-2% po, 1% py.					
		60670 Brown, biotite altered f.g. Meta-tuff w 7-10 mm wide Qtz-carb veinlets    to sub    to CIA. (~10% Qtz over intv.) Intv bleached w/elysil.	2-3% po, 1% py in Qtz vein.	60670	93.64-94.61		0.003
		60671 Brown biotite f.g. Meta-TUFF. LESS bleaching than previous intv. otherwise S.T.A w 1 cm wide sub    to CIA. Qtz/carb veinlet. (10-12% Qtz over intv.)	5% po, 1% py in Qtz.	60671	95.76-96.08		<0.001
		Similar to 60671 (7-10% Qtz over intv.). Vein pinches out near bottom of intv. Minor sheared carb. veinlets.	2-3% po, ½% py.	60672	96.08-97.4		<0.001
		E.O. H @ 103.02					



**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-10

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
100m	-55.5°	

CORE SIZE: BTW	TOTAL DEPTH: 100.0m	DATE STARTED: Aug 30/96
HOLE ANGLE: -56°	HOLE AZIMUTH: 105°	DATE FINISHED: Aug 31/96
SECTION: 6+90 <sup>N</sup>	COLLAR ELEVATION: 1048m	ANALYSIS BY: Ecotech
LATITUDE:	RECOVERY: 98%+	LOGGED BY: R. MONTGOMERY
DEPARTURE: 0+54 <sup>W</sup>	CLAIM:	CORE STORED AT: PROPERTY

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-2.13		CASING TO 7'					
2.13-14.23		Med-dk. green med-coarse grained mafic Meta-volcanic flows. Fabric generally weak. Few fine f.g. volcanic fines orientated @ ~ 30-35° to d/A. Locally patchy granitic. Few carbonates. S. and S.E.					
		@ 15.98m 3-4cm wide carb vntt to green chloritic clay gouge.					
14.23-19.67		Dark green f.g. locally med grained. Meta-TAPT Well developed fabric @ 35-40° to d/A Intermittent carb vntt <sup>s</sup> & stringers often 11 to 5 <sup>th</sup> 11 to fabric. Wk-mod chlorite alt <sup>n</sup> over intd.	Sulphide content low. locally TR-129 f <sup>2</sup> diss py				
		@ 19.67-24.0m ↑ carb. content Mod-strong chlorite alt <sup>n</sup> . Carb vntt <sup>s</sup> @ ~ 30° to d/A (11 to fabric)	~ 2-1% f <sup>2</sup> diss py.				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-10

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
14.23-74.67		@ 43.39-43.73 M. Carb/Qtz vein (~50% Qtz)	~1% 1 <sup>st</sup> diss	60673	43.39-43.73		<0.001
cont'd...		~20% brecciated volc. rock frags. Mod-strong Chlorite alt <sup>2</sup> of host f.g. volcanics.	py. Tr po.				
		@53.55-53.85 Whitly bleached, brecciated light green f.g. meta-tuff. Abundant epidote, carbonate seams & veinlets. TR Limonite.					
		<u>60674</u> Qtz vein zone (~65-70% Qtz) Minor brecciation & 2 <sup>nd</sup> phase Qtz microwinning. H.W contact w biotitic Meta-tuff @ ~20-25°. Minor Chlorite alt <sup>2</sup>	4-5% py blebs & diss cubes.	60674	63.70-64.30		0.002
		<u>60675</u> Strongly silicified, stockwork veined, bleached Meta-tuff & Qtz vein zone. (~60% Qtz) H.W contact w Meta-tuff @ ~45° to CIA	2-3% diss. py. Tr cpy (?) TR mariposite	60675	66.40-66.65		0.010
		<u>60676</u> Qtz vein zone similar to above (60675). (70-75% Qtz over intv.) L.W contact @ 30° to CIA. Shear zone w calcite & slickensides @ F.W contact w meta-tuff.	2-3% py cubes & stringers. TR mariposite.	60676	66.96-67.18		0.004
		<u>60677</u> Qtz vein zone (S.T.A) H.W contact w bleached biotitic Meta-tuff @ 40° to CIA. F.W contact @ 30° to CIA.	2-3% diss. py & py cubes. Tr mariposite.	60677	70.6-70.87		0.003
		<u>60678</u> Bleached, light grey/green strongly silicified, stockwork veined Meta-tuff. (~25% Qtz over intv.). Tr mariposite. H.W. contact @ 40° to CIA.	5% py blebs & stringers. @ 73.16 m massive py. 2-3% po blebs & stringers.	60678	72.24-73.46		0.010

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-10

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
14.73-74.67m CONT'D		60679 → Lt grey → white bleached, strongly silicified, stockwork veined Meta-TUFF (~40% Qtz over intrv.) Minor Chl. alt <sup>n</sup> . Tr. murchisonite. @ 74.8 epidote/chlorite filled fractures w/ Qtz halos.	3-4% py blebs & stringers.	60679	73.46-74.64 73.46?		0.003
74.67-85.45		74.67-85.45M Dark Grey-maroon med.-grained ALTERED INTRUSION. Locally silicified, bleached Plag. phenocryst up to 1-2 cm long. @ 84.53-85.03 Bleached light grey-green whly - mod. silicified Altered Intrusive.					
		60680. Bleached, silicified med grey/maroon, locally stockwork veined Altered Intrusive. Few Qtz micro-veinlets.	1-2% po. 1-2% py.	60680	83.38-84.88		0.001
85.45-96.65		85.45-96.65M Dark grey-brown f.g. Meta-tuff w/ few narrow interbeds of Blk argillite/sediments. Few narrow Carb veinlets @ all angles to c/A. Few Qtz/Carb veinlets (2-5mm wide) often @ low & to c/A. Biotite alt <sup>n</sup> over intrv.	Tr-1/2% diss po, py.				
		(H.W) to Qtz vein zone (S.W. VEIN). Bleached, whly silicified brown/maroon f.g. biotite altered Meta-TUFF	2% py blebs & stringers 1% po.	60680 A	86.81-87.64		0.007
		60681- Qtz vein zone (S.W. VEIN)? (~90% Qtz over intrv.) Numerous secondary Qtz microveinlets @ bottom of intrv. Minor chlorite alt <sup>n</sup> along fractures. H.W. contact w/ biotitic f.g. Meta-tuff @ ~40° to c/A.	1-2% diss & stringer po. 1/2-1% f <sup>n</sup> diss. py. Tr-1/2% Ga, Tr Asp.	60681	87.64-88.39		<0.001



**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-11

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
151m	-46.5	

CORE SIZE: BTW	TOTAL DEPTH: 151.83	DATE STARTED: SEPT 1/96
HOLE ANGLE: -45°	HOLE AZIMUTH: 105°	DATE FINISHED: Sept 1/96
SECTION: 6+72 <sup>N</sup>	COLLAR ELEVATION: 1044.39m	ANALYSIS BY: ECOTECH LABS.
LATITUDE:	RECOVERY: 99+ %	LOGGED BY: R. MONTGOMERY
DEPARTURE: 0747 <sup>W</sup>	CLAIM:	CORE STORED AT: PROPERTY

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-3.05		CASING TO 10'					
3.05-16.0		Med-dark green f.g. <u>META-VOLCANIC</u> . Mod chlorite alt <sup>2</sup> . Minor patchy epidote filaments. Locally well developed fabric @ 35° to c/a. Intermittent Broken, rubble core over top of intv. Carb. coating fractures, Tr Limonite on fractures. Minor green clay gouge & green fibrous mineral (serpentine?) @ 8.83m.					
		9.91 - 10.83 (60685) Dark grey-green bleached wkly silicified Meta-volcanic. Well brecciated, minor epidote. TR mariposite. 7 cm wide carb. unit w Sph. @ bottom of intv.	5-7% blebs/irregular stringers <u>Sphalerite.</u>	60685	9.91-10.83		<0.001
16.0-31.45		Med-dark green f.g - m.g. porphyritic mafic <u>VOLCANIC FLOWS</u> . Occasional narrow carb. unit @ 30-35° to c/a. Few fractures w Tr Limonite.					

10.12  
Qz vein zone

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-11

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
31.45-100.18		Med-dark green F.G. META-TUFF. Fabric well developed @ ~35° to CIA. Carbonate vult <sup>s</sup> often    to fabric and locally displaced by small scale shears.					
		60686 Med grey/brown bleached, moderately silicified Meta-tuff. Fabric @ 35° to CIA. Biotite altered. Tr chlorite alt <sup>2</sup>	2-3% f <sup>2</sup> diss py. TR po.	60686	48.97-49.66		<0.001
		60687 3-5 cm wide milky white <sup>+carb.</sup> qtz vein in Dk grey/green F.G. Meta-tuff. Vein irregular & sub   to CIA. Few mill developed calcite/dolomite crystals on fracture surface. Minor Chlorite alt <sup>2</sup>	Tr f <sup>2</sup> diss. py.	60687	64.82-65.20		<0.001
		72.95-74.30 + Biotite alt <sup>2</sup> of f <sup>2</sup> gained well foliated meta-tuff.					
		60688 H.W to bleached, silicified, stockwork zone. Dk grey/brown biotite/carb. altered f.g. meta-tuff.		60688	96.69-97.49		<0.001
		Med grey, bleached silicified Meta-tuff. w minor stockwork veining (3-5% Qtz).	2-3% diss. py 2% diss. po	60689	97.49-98.27		0.016
	NW Zone	Qtz stockwork vein zone (~60% Qtz over intv.) Bleached, strongly silicified, biotite altered meta-tuff. Fabric @ 50° to CIA. Original rock well brecciated.	5-7% py blebs & stringers. Locally semi-massive. -1% f <sup>2</sup> diss po.	60690	98.27-99.19		0.006
		60691 Qtz stockwork vein zone (~60-65% Qtz over intv) Biotite/chlorite alt <sup>2</sup> of host Meta-tuff.	3-4% py blebs cubes 1-2% f <sup>2</sup> po	60691	99.19-100.18		0.003

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-11

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
100.18-109.12		<u>Qtz VEIN ZONE</u> . W sections of bleached strongly silicified, stockwork veined meta-volcanic. Locally patches of strong biotite alt <sup>n</sup> .					
		60692- Qtz VEIN (90-95% Qtz). Minor sericite alt <sup>n</sup> over intv. H.W contact @ ~20-25° to CIA. F.W. contact @ 40° to CIA.	3-4% py, 3% po 1/2% Asp. TR cpy TR v. f <sup>n</sup> Gz.	60692	100.18-101.38		0.073
		60693 F.W. to Qtz vein. Brown BIOTITIC F.G. Meta-TUFF. Few narrow Qtz/carb vein <sup>s</sup> @ top. Mod. well developed fabric @ 30-35° to CIA. Lower half of intv M.G. bleached, wkly-mod silicified Meta-tuff.	3-4% diss py 1/2 py cubes. 1-2% po.	60693	101.38-102.88		0.002
		Brown/maroon F.G-M.G. bleached wk-mod silicified META-VOLCANIC.	2-3% po blebs & stringers. 2-3% py blebs & stringers.	60694	102.88-104.38		0.005
		60695 Grey bleached, well silicified, pyritic meta-tuff Fabric sub // to CIA.	5-7% py blebs & stringers. 2-3% po.	60695	104.38-106.07		0.004
		60696 S.T.A W ↑ Qtz, Qtz stockwork veining (Qtz ~ 15-20% of intv.) @ 106.52 M. 7-10 m wide massive py, po seam. Fabric @ ~25° to CIA.	5-7% py, 4% po.	60696	106.07-107.37		0.004
		60697 Qtz vein & Qtz stockwork vein zone. (~60% Qtz) Minor patchy ep, dot-chlorite alt <sup>n</sup>	3-4% po blebs & stringers. 1-2% py TR Asp →	60697	107.37-108.32		0.008
		60698- Qtz vein & Qtz stockwork vein zone. strongly mineralized. Qtz ↑ on F.W side. Few lg. frags biotitic Meta-tuff within Qtz stockworks. Several occurrences of V.G. @ ~108.53 M,	3% po: blebs, 1-2% py, TR-1/2% Gz, TR-1/2% Asp. Few narrow stringers cpy.	60698	108.32-109.12		0.397

Gold appears to have a spatial relationship to Gz. \* V.G. @ ~108.53 M \*





AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-12

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
96m	-46.5°	

CORE SIZE: BTW	TOTAL DEPTH: 96.34	DATE STARTED: Sept 2/96
HOLE ANGLE: -45°	HOLE AZIMUTH: 105°	DATE FINISHED: Sept 2/96
SECTION: 7+20 N	COLLAR ELEVATION: 1050.09m	ANALYSIS BY: ECOTECH LABS
LATITUDE:	RECOVERY: 99 1/2'	LOGGED BY: R. MONTGOMERY
DEPARTURE: 0+19W	CLAIM:	CORE STORED AT: PROPERTY.

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-6.10		CASING TO 20' (6.10 M)					
6.10-38.05		Med. grey/brown (biotitic) to green (chlorite altered) F.G. → M.G. Meta-Tuff. Fabric well developed @ 20-25° to c/A. Carbonate (pred. calcite) rich sections common. Carb. unit <sup>s</sup> pred. // to sub // to c/A. Few narrow milky white Qtz unit <sup>s</sup> . Fractures often w/ky Limonitic.					
	60701	Qtz vein in brown, biotitic F.G. Meta-tuff. (~55% Qtz over intv.) Vein @ ~30° to c/A. Qtz w/ky Limonitic/vuggy.	3-4% py blabs, stringers 1/2-1% po	60701	7.02-7.50		0.002
	60702	Carb. rich, w/ky-mod silicified (~top 50 cm) Med grey/brown F.G. Meta-tuff.	TR-1/2% po, py.	60702	16.3-17.8		0.004
38.05-38.96	60703	Qtz vein w/ brown, biotitic F.G. - M.G. Meta-tuff. (Qtz ~ 50% of intv.) Minor chl alt <sup>n</sup> within Qtz. H.W contact @ ~ 25° to c/A.	1-2% po, 1% py TR-G2.	60703	38.05-38.96		<0.001
	60704	F.W to Qtz vein zone. (contact @ 25° to c/A) Grey/brown F.G. w/ky bleached & silicified Meta-tuff. Fabric 25° to c/A. Limonitic Fractures locally w/ calcite x-stals. Few vugs calcite unit <sup>s</sup> .	1/2-1% py, 1/2% po	60704	38.96-39.96		<0.001

38.05-38.96  
QTZ VEIN ZONE

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
38.96-74.38		Brown/maroon, locally grey/green F.G. → M.G. Meta-Tuff Fabric generally well developed @ 20-30° to CIA. Few carb. rich intv <sup>s</sup> . Occasional broken, rubbly, Limonitic intv.					
		60705 Carb. rich brown/maroon F.G. Meta-TUFF (~5% Qtz over intv.)	TR po, py TR v. f <sup>n</sup> Gz (?)	60705	41.60-42.65		0.003
		60706 Carbonate rich Biotitic F.G. Meta-tuff. Strong deformation w fabric sub    to CIA. Limonitic fractures	1-2% f <sup>n</sup> diss po 1% f <sup>n</sup> diss py TR 1/2% Gz	60706	54.38-55.88		0.003
		60707 Light grey, Carbonate altered Meta-tuff. Local wk. silicification. Fabric sub    to CIA. Limonitic, vuggy fracture @ 56.79 m.	1-2% po blebs 1/2-1% py (often oxidized)	60707	55.88-57.38		0.007
		60708 S.T.A w slightly lower carb. content	1% po, 1/2-1% py	60708	57.38-58.38		0.030
		60709 S.T.A	" "	60709	58.38-59.38		0.022
		60710 Silicified, locally wkly bleached dk grey f <sup>n</sup> . med. grained Meta-tuff (~15% Qtz over intv.). Broken, Limonitic core @ bottom of intv. Hw contact w Qtz vein @ 50° to CIA.	3-4% po, 1-2% py.	60710	59.38-60.28		0.037
		60711 Dk grey/maroon M.G. Lepilli tuff Well developed Fabric @ 25° to CIA.	TR f <sup>n</sup> diss py	60711	60.38-61.55		<0.001
		Bleached, carb. rich, Limonitic, mod. silicified F.G. Biotitic Meta-tuff.	TR-1/2% po.	60712	61.55-62.65		0.007
		60713 1-2 cm wide Qtz vein @ top of intv. (sub    to CIA & w 3-5% po, 1% py). 15 cm wide vuggy, Limonitic Qtz vein @ middle of intv. (~40-50% Qtz over intv.).		60713	69.06-69.97		0.005

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-12

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
		60714. 1-2 cm wide milky white Qtz vein (sub    to CIA)	1/2-1% po. Tr. py.	60714	71.84-72.46		0.002
		in brown/murran f.g. biotitic meta-tuff.					
74.38-76.34		Dark grey-black f.g. well laminated siltstone / Argillite Foliation @ 35° to CIA. Numerous small scale shears, kink folds in f.g. beds.					
76.34-77.26		Med-grey M.G. Meta-TUFF Well developed fabric @ 30° to CIA. Limonitic fractures Few narrow carb. vnt <sup>s</sup>    to fabric.					
77.26-84.17		Dark grey/blk. f.g. finely laminated SILTSTONE / ARGILLITE w minor interbedded f.g. brown META-VOLCANICS. Few carb. rich sections. Strong deformation of beds w fabric varying between 20-30° to CIA &    to sub    to CIA.					
		60715 Qtz / carb veining in f <sup>o</sup> grained sediments / volcanics. Minor patchy chlorite alt <sup>o</sup> . Irregular orientations <sup>at Qtz carb vnt<sup>s</sup></sup> & deformation of rock gives core a mottled appearance.	1/2% po. Tr-1/2% py.	60715	80.05-80.85		0.001
84.17-96.32		Dark brown/grey f.g. META-TUFF w Few narrow interbeds of blk. sediments. Biotite alt <sup>o</sup> over most of intv, ↓ @ ~ 91.5 M. Few Limonitic fractures.					
		Dk brown Biotitic meta-tuff / blk. sed. 7-10 mm wide Qtz/carb vnt <sup>s</sup> sub    to CIA.	1/2-1% po. Tr-1/2% py.	60716	83.29-84.17		0.001



**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

DRILL HOLE NO.: 96-13

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
139 m	-45°	

CORE SIZE: BTW	TOTAL DEPTH: 139.06 M	DATE STARTED: Sept 2/96
HOLE ANGLE: -45.	HOLE AZIMUTH: 105°	DATE FINISHED: Sept 3/96
SECTION: 10+25N	COLLAR ELEVATION: 1101.71m	ANALYSIS BY: ECOTECH LABS
LATITUDE:	RECOVERY: 98% +	LOGGED BY: R. MONTGOMERY
DEPARTURE: 0+05 E	CLAIM:	CORE STORED AT: PROPERTY

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-6.10		20' CASING					
6.10-19.3		Dk grey-brown f.g. → m.g. <u>Meta-Tuff</u> w/ interbedded Dk grey/blk f.g. finely laminated <u>SST / ARGILLITE</u> . Fabric @ 50-55° to CIA. Fractures occasionally Limonitic. Carb unit <sup>s</sup> often // to sub // to CIA & show tension gashes & displacement by shears. @ 7.45-7.77 1.5 cm wide milky white Qtz/carb unit w/ Tr chlorite alt <sup>s</sup> . (vein sub // to CIA). @ 14.75-14.97. Limonitic, bx <sup>d</sup> carb. rich zone.	Tr py.	60721	7.45-7.77	<0.001	
19.3-37.97		Dk grey f.g. → m.g. - locally fragmental <u>META-TUFF</u> . Few interbeds of dk grey SST. Fabric @ ~45° to CIA					
		Carb rich brown, biotitic, f.g. Meta-tuff 32.72-34.41 Bleached grey/maroon f <sup>d</sup> - med grained fragmental(?) Meta-Volcanic.	1% po. TR py	60722	21.0-21.93	0.003	

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
37.97-40.19		<u>SHEAR ZONE</u> Strongly bleached pale green → grey Limonitic, broken/sheared Meta-volcanic (?) Dk green chloritic <sup>CLAY</sup> gouge @ 38.4 M. Grey/green clay gouge from 38.85- 39.9 M. H.W contact @ 40° to c/a. <sup>F.W CONTACT @ 25° to c/a.</sup> 38.26- 39.26 Broken Qtz vein zone calcite crystals on some fractures. Qtz/carb. Limonitic					
		-Description as above- Qtz @ 38.26- 39.07	1/2-1% po, py	60723	37.97-39.07		0.001
		Pale green, bleached F.G Meta-volcanic. Qtz @ 39.07-39.26	1/2-1% po Tr-1/2% PJ	60724	39.07-40.19		<0.001
40.19-53.94		Dk grey/green f <sup>h</sup> -med grained Mafic porphyritic <u>Volcanic flow</u> Chlorite/epidote alt <sup>h</sup> common over intv. Locally hematite on fractures. Few narrow Qtz/carb. vint <sup>s</sup> .  @ 40.19- 40.53 M — Hematite coating fracture surfaces. 43.10 - 43.50 m — Olive green, strongly bleached shear zone. Minor green clay gouge on F.W contact (-30° to c/a) @ 48.96- 49.86 M Qtz vein w tr. chlorite alt <sup>s</sup> .					
		Carb. rich zone within dk grey/maroon f.g. Meta-Volcanics semi-massive → massive py, sph, Ga, po seam @ 56.94- 57.05 M.	1-2% py, 2-3% Ga, 2-3% po.	60726	56.77-57.24		0.170
		Carb. vein in maroon F.G meta-tuff. Vein irregular, bx <sup>d</sup> sub ll to c/a.	5-7% py, 5% sph, 2-3% py, 1-2% sph, Tr Ga.	60727	58.08-58.43		0.015

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
53.94-77.63		Dk brown/maroon, f <sup>h</sup> → med grained <u>META-TUFF</u> Few sections of coarse frags. within f.g. matrix. Few interbeds of dk grey sst / argillite. Fabric poorly-mod. developed @ ~45° to c/a. Locally wk. silicification					
		Brown / maroon biotite <sup>wk-MOD.</sup> silicified Qtz veined meta-tuff. Narrow (≤ ~2-5mm) randomly oriented cross-cutting Qtz vein <sup>±</sup> .	Tr f <sup>h</sup> diss py, po	60728	73.32-74.0		0.001
		@ 75.47-76.93 Pale green-grey strongly bleached. chlorite altered Meta-Volcanic. Soft core. Massive 1.5cm wide py seam @ ~ 75.67m.	2-3% py. Tr- 1/2% po.	60729.			0.001
77.63-107.26		Dk grey/maroon Med.-grained <u>Older Altered Intrusive</u> Few intr <sup>s</sup> bleached, wkly silicified Intrusive. Fractures often <sup>in diss. py</sup> calcite coated. Occasional wk fabric @ 40-45° to c/a. @ ~84.0m Low & fract. w/ slickensides ⊥ to c/a indicate fault displacement ⊥ to c/a.					
		Broken, fractured core to grey clay gouge @ 86.41 m					
		86.72-87.78m Bleached, sheared, shattered pale green/maroon Altered Intrusive.					
		92.24-92.42 Pale green/grey bleached Intrusive.					
		60730 Qtz/carb veining in dk grey/maroon Intrusive. (~20% Qtz over intrv.). Patchy chlorite alt <sup>n</sup> withm Qtz/carb. vein.	Tr-1/2% py, po	60730	98.19-99.69		<0.001
		Carb/Qtz veined, bx <sup>d</sup> , locally silicified, pale brown Intrusive. Strong patchy biotite, chlorite alt <sup>n</sup>	Tr-1/2% fn. diss py.	60731	102.15-103.65		<0.001

**SHEAR ZONE**

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
77.63-107.26 CONT'D		60732- Carb veined grey/maroon M.G bleached Altered Intrusive. TR Qtz.	TR py	60732	103.65-105.15		<0.001
		Carb/Qtz veined altered Intrusive. Shear zone/Shattered core @ 105.67. Chlorite alt <sup>d</sup> . ~25cm wide milky white Qtz vein @ 20-25° to CIA - no sulfides noted in vein.	TR py. TR cpj.	60733	105.15-106.65		0.002
		109.63-110.33. Shear zone. Slickensides on calcite on Low $\alpha$ fracture indicate displacement $\perp$ to CIA. Minor clay gouge over intv.					
107.26-139.60		Dark green/maroon f <sup>o</sup> -med grained, locally coarse fragmental <u>META-VOLCANICS</u> . Minor interbeds of f.g. sediments					
		112.67-114.17 m f.g dk grey meta-tuff & interbedded f.g. SST/argillite.					
		114.17-118.0 Large volcanic fragments within f.g. Meta-tuff. Frags. stretched @ $\sim$ 30-35° $\alpha$ to CIA.					
		121.31-124.3 $\uparrow$ Epidote in mafic porphyritic volcanic flows. STRONGLY					
		129.25-136.15 Broken, sheared, bx <sup>d</sup> green/maroon. M.G $\rightarrow$ C.G. FRAGMENTAL META-VOLCANIC. Abundant clay within matrix.					
		136.15-137.65m. Pale green/maroon, bleached, wkly silicified. Sheared Meta-Volcanic. Slickensides on fract. w py $\perp$ to CIA. (fract @ 20° to CIA)	TR-1/2% py.	60734			

E.O.H @ 139.60



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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
130m	-45	

CORE SIZE: BTW	TOTAL DEPTH: 130.49	DATE STARTED: Sept 3/96
HOLE ANGLE: -45	HOLE AZIMUTH: 285°	DATE FINISHED: Sept 4/96
SECTION: 10+00N	COLLAR ELEVATION: 1081.33m	ANALYSIS BY: ECOTECH LABS
LATITUDE:	RECOVERY: 97%	LOGGED BY: R. MONTGOMERY
DEPARTURE: 1+16 E	CLAIM:	CORE STORED AT: PROPERTY

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-4.57		CASING TO 15'					
4.57-66.3		Dk grey/green locally brown/maroon F.G to M.G. META-TUFF Intermittent shear/breccia zones. Fabric wk - mod & generally @ low $\alpha$ to CIA (sub    to 20-30° to CIA). Carbonate stringers / vult <sup>s</sup> @ all $\alpha$ to CIA. Locally few interbeds M.G., Dk. grey, mafic-porphyratic volcanic flows. Chlorite / biotite alt <sup>n</sup> throughout. 11.70- 12.0 broken, rubble core, Limonitic fractures. 22.10- 23.75 Shear ZONE Dk. grey clay gouge @ 22.9- 22.95 M. REST of intv bx <sup>d</sup> Limonitic mod-stungly sheared. 28.67-29.17 M Shear ZONE Brown/maroon strongly bx <sup>d</sup> f.g. Meta-tuff. Minor clay gouge. 35.63- 35.84 Shear ZONE Brown/maroon f.g. Meta-tuff Minor clay gouge.					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
457-66.3 CONT'D.		60735 CARB/Qtz vein in grey f.g. Meta-tuff (carb > Qtz) vein sub    to c/A. @ 64.18 M. slickensides on 20° to c/A fracture. Slickensides @ ~ 50° to c/A on plane of fracture.		60735	43.01-44.51		0.001
66.3-107.50		Dk grey-green M.G → F.G. mafic porphyritic volcanic-flow locally phenocrysts well developed. Calcite veinlets @ low & to c/A or    to sub    to c/A. @ 86.0 M. slickensides on 30° to c/A fracture. Slickensides @ 35° to c/A on plane of fracture. @ 89.71 M ↑ Epidote in med. <sup>MAFIC</sup> ground volcanic flows. @ 95.8 M 1-2 cm wide carb/epidote unit @ ~ 20° to c/A. @ 97.40 M 3 cm wide carb/epidote unit. @ 98.4-98.51 Stringy epidote alt <sup>s</sup> . 1-2 cm wide carb unit. @ 103.75 M - 103.85 Shear zone w clay gouge. Faulting @ low & to c/A.					
107.50-108.97		Shear ZONE w 11 cm wide Qtz vein @ 108.18-108.29 Strongly bleached Pale olive green F.G-M.G. Mafic volcanic flows. Fractures @ ~ 80° to c/A. Slickensides in carb. @ ~ 80° to c/A. Gray clay gouge @ 108.35 M.					

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
107.50-108.87		H.W contact of Shear zone = 50° to c/a.					
cont'd.	60736	Pale olive green, bleached shear zone H.W to Qtz vein. Minor bright green clay (?) mineral.		60736	107.50-108.18		0.051
	60737	Qtz vein w minor tan colored carb. Tr. bright green clay mineral. Shear/gouge @ ~ 85° to c/a.	1-2% po, 1% py. 1/2% G2, Tr Asp.	60737	108.18-108.29		0.467
	60738	F.W to Qtz vein / shear zone. Bleached pale green volc. over top of intv. Bottom 2/3 of intv M & mafic porphyritic lalc. flows. @ 117.26 m. 2 cm wide epidote / carb vein @ ~ 45° to c/a.		60738	108.29-109.79		0.001
108.87-130.49		Dk. grey-green mafic porphyritic volcanic flows. Few carb. stringers / veinlets @ ~ 30-50° to c/a. Phenocrysts often well defined					
		E.O.H @ 130.49 m					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
100m	-45°	

CORE SIZE: BTW	TOTAL DEPTH: 100.89	DATE STARTED: Sept 4/96
HOLE ANGLE: -45°	HOLE AZIMUTH: 105°	DATE FINISHED: Sept 5/96
SECTION: 6+73N	COLLAR ELEVATION: 1042m	ANALYSIS BY: Ecorch
LATITUDE:	RECOVERY: 98%+	LOGGED BY: W. Greenwald
DEPARTURE: 0+18W	CLAIM:	CORE STORED AT: Property

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-4.57		CASING					
4.57-11.20		GREEN, F. GRAINED, FRACTURED METAVOLCANIC -core quite broken in many fractures parallel to C.A. -local areas of high carbonates; low sulphides -nick is probably a flow.					
11.20-24.91		CALCAREOUS GREENISH-GREY, F. GRAINED, META-TUFF -fabric 45°-55° to C.A., locally contorted -relatively high CaCO <sub>3</sub> content as matrix & more often as fracture fillings parallel to fabric -low sulphide content 22.84m - narrow shear (quartz) @ 70° to C.A.					
24.91-62.10		GREEN, F. GRAINED, MASSIVE META-TUFF -less calcareous, scattered coarse veinlets @ low angles to C.A.					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
24.91-		local area exhibit coarse clastic texture (ie					
62.10		33.83 - 36.0m					
		-fabric averages 45° to C.A.					
		-low sulphide ~ 1-2%					
62.10-		<sup>Pyrite</sup> PINKISH-GREY, BLEACHED, SILICIFIED ZONE	15%+ Py	60739	62.10-62.75		<0.001
62.75		-upper contact = 25° to C.A. i.H.C., lower = 45-50 (sharp)					
		-pyrite pervasive and disseminations + clots - 15%+					
		-occasional qtz veinlets					
		-rock appears m.g. → c.g.; may represent alt'l mineralized dyke					
62.75-		BROWN TO GREENISH, PREDOMINANTLY F. GRAINED					
70.15		META-TUFF		60740	62.75-63.6		<0.001
		-upper 0.85m contains stringers & disseminations of → Py ~ 4-5%.		↓	↓		
		coarse pyrite					
		-local fracture fillings of white calcite	Py 1-2% as				
		-crenulation of fabric from 67m to end of section.	dissemin + free				
		last 1m ± appears to be somewhat biotitic; is	filling	60741	67.15 69.90-70.15		<0.001
		on NW of qtz vein zone.					
70.15-							
70.60		QUARTZ VEIN ZONE	Overall ~ 5%	60742	70.15-70.60		2.174
		-upper contact limonitic, fractured; ~ 60° to C.A.	sulphide in				
			local area > 15%				

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
70.15-		local patches of meta v. in qtz vein	V.6 noted in				
70.10	lost	-vein. org ~ 80% qtz, several pieces visible gold noted in bottom half of interval.	seams of galena & po. 10% po!				
		lower contact 50% to c.A - non sheared.	3% go in last 5cm. Tr. cpy.				
70.60-		Pale greenish, bleached & silicified zone					
72.60		70.60 to 71.60m - brownish (biotitic) f. q. meta tuff with narrow (<1cm) qtz; carb veinlets @ 45-55° to c.A; fabric @ 50° to c.A. Last 10cm of 60743 is more bleached; with increasing pyrite 5%+.	qz, cpy, py in 3cm seam of calcite	60743	70.60-71.60		0.022
		Contact gradational toward the strongly bleached; altered zone.	15-20% py →	60744	71.60-72.20		0.016
		Last 15cm of 60744 is 80% qtz that show pyritic slickensides that cut across fractures that are at 45° to c.A. This marks contact in slice of brown f. q. meta-tuff. Contact with next band of silic, bleached rock - 45° (parallel to the fabric (schistosity))	2% py	60745	72.20-72.60		0.004
		72.60 to 72.60m - unbroken stretch of pale grey-green bleached, silicified; pyritic rocks cut by numerous veins, veinlets @ various angles.	Py as dissemin + stringers 5-7%	60746	72.60-73.66		0.006
			local patches of	60747	73.66-74.96		0.003
				60748	74.96-76.50		0.001
		-lower contact of silicified zone gradational (by angle to c.A)	po, minor asp-tr qz, sph.	60749	76.50-77.60		0.001
77.60-		BROWNISH, F. GRAINED META TUFF		60750	77.10-78.15		0.001
80.35		-footwall to qtz vein/silicified zone					
		fabric 45° to c.A. Local carbonate rich zones parallel to fabric. Low sulphur, 5-2%					

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
80.35 -		BROWN, F. GRAINED METASEDIMENTS					
83.95		-locally well developed bedding 30-45° to C.A. locally bedding folded or offset by microfaulting -low sulphide content 82.10 to end - several fractures in carbonate filling, 0 to 15° to C.A. lower contact shows gradational contact - bleached	py $\leq 1-2\%$				
83.95 -		PALE GREY, SILICIFIED, WEAKLY VEINED ZONIS		60751	83.95-85.65		0.001
85.65		-qtz + carb veinlets @ low angles (<30°) to C.A.	py disse 3-5% po 2-3% in lent 10cm	↓	↓		
85.65 -		BROWNISH METASEDIMENTS - AS IN 80.35 to 83.95 m					
93.30		-bedding @ 25-45° to C.A. Low sulphides. few carbonate veinlets -local microfaulting					
93.30 -		BROWN TO GREENISH, F. GRAINED META-TUFFS					
100.89		-fabric ~35 to 45° to C.A.; not always distinct -local concentrations of thin carb veinlets as fracture fillings; fusion gash fillings 60752 = bleached, weakly silicified zone, in 5% sulphides in first 30cm. A 20cm central carbonate rich zone	Disse py generally 5-2% locally to 5%	60752	95.48-96.78		0.004

98m → E.ON. - green, f.g massive meta-volcanic in low sulphides + few narrow carbonate veinlets

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

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DIP AND AZIMUTH TESTS		
DEPTH	ANGLE	AZMTH
114m	-45°	

CORE SIZE: BTW	TOTAL DEPTH: 114.33m	DATE STARTED: Sept 05/96
HOLE ANGLE: -45°	HOLE AZIMUTH: 105°	DATE FINISHED: Sept 05/96
SECTION: 6+60N	COLLAR ELEVATION: 1041.61m	ANALYSIS BY: ECOTECH LABS
LATITUDE:	RECOVERY: 99.1%	LOGGED BY: R. MONTGOMERY
DEPARTURE: 0+27 W	CLAIM:	CORE STORED AT: PROPERTY

DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
0-1.52		CASING TO 5' (1.52 M)					
1.52-12.72		MED GREY-GREEN M.G. Older <u>ALTERED INTRUSIVE</u> Few large (1-2 cm) distorted plug phenocrysts. wk fabric @ 40-45° to c/a. Carb veinlets often ⊥ to fabric & @ 25-30° to c/a. Fractures often limonitic. Locally carb / carb vnit <sup>2</sup> vuggy.					
12.72-18.01		Green F.G. MOD. WELL FOLICATED <u>META-TUFF</u> w/ interbeds coarse fragmental volcanic flows. Fabric @ ~ 30° to c/a. Few carb vnit <sup>2</sup> @ ~ 30° to c/a.					
18.01-23.58		MED GREY/GREEN, MED GRAINED <u>ALTERED INTRUSIVE</u> SIMILAR TO 1.52-12.72 M. Broken Qtz vein zone within shear zone. Intrusive well silicified. (~ 50% milky white Qtz over int <sup>2</sup> ) TR gauge. Minor Chlorite all <sup>n</sup>		60753	20.55-22.05		<0.001



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1421

**AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD**

PROPERTY: Georgia River

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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
18.01-23.58 CONT'D.		S.T.A (60753) Well silicified bx <sup>d</sup> altered Intrusive. (~ 30% milky white Qtz over intv.)	Tr py.	60754	22.05-23.55		0.001
23.58-99.15		MED-DK GREEN/GRY f.g. META-VOLCANICS (Interbedded f.g, foliated Meta-tuffs & M.G - C.G → fragmental volcanic flows). Locally few narrow shear zones. Chlorite alt <sup>n</sup> common over intv. 30.5-30.55m Shear zone, w green clay gouge. 44.70-45.40 m Shear zone in f.g volcanic flow broken core w green clay gouge. 47.35-62.48m ↑ carbonate in f.g → m.g. Meta-tuff; volcanic flow rock. @ 54.84 green clay gouge within shear zone (54.21-55.11 m) @ 62.48-99.15 m - foliation becoming much better developed in f.g. green META-TUFF. Carb. unit <sup>s</sup> usually // or sub // to fabric. Fabric @ ~ 40° to C/A.					
		60755 H.W to Qtz VEIN. Brown-maroon f.g well foliated Meta-tuff. Carb. unit <sup>s</sup> @ ~ 50° to c/a. (// to fabric).	"2% py. TR f <sup>n</sup> diss. Ga.	60755	81.17-82.67		0.001
		60756 - Qtz vein zone (35% Qtz over intv.) H.W contact has Tr green gouge (@ 70° to C/A) F.W contact @ 80° to c/a.	1% py. 1/2-1% py. TR Ga.	60756	82.67-83.11		0.126
		60757 F.W to 60756. Green f.g well foliated Meta-Tuff. Mod. High Carb. contact	TR-1/2% py. po	60757	83.11-84.61		0.001

AQUATERRE MINERAL DEVELOPMENT LTD. - DRILL HOLE RECORD

PROPERTY: Georgia River

DRILL HOLE NO.: 96-16

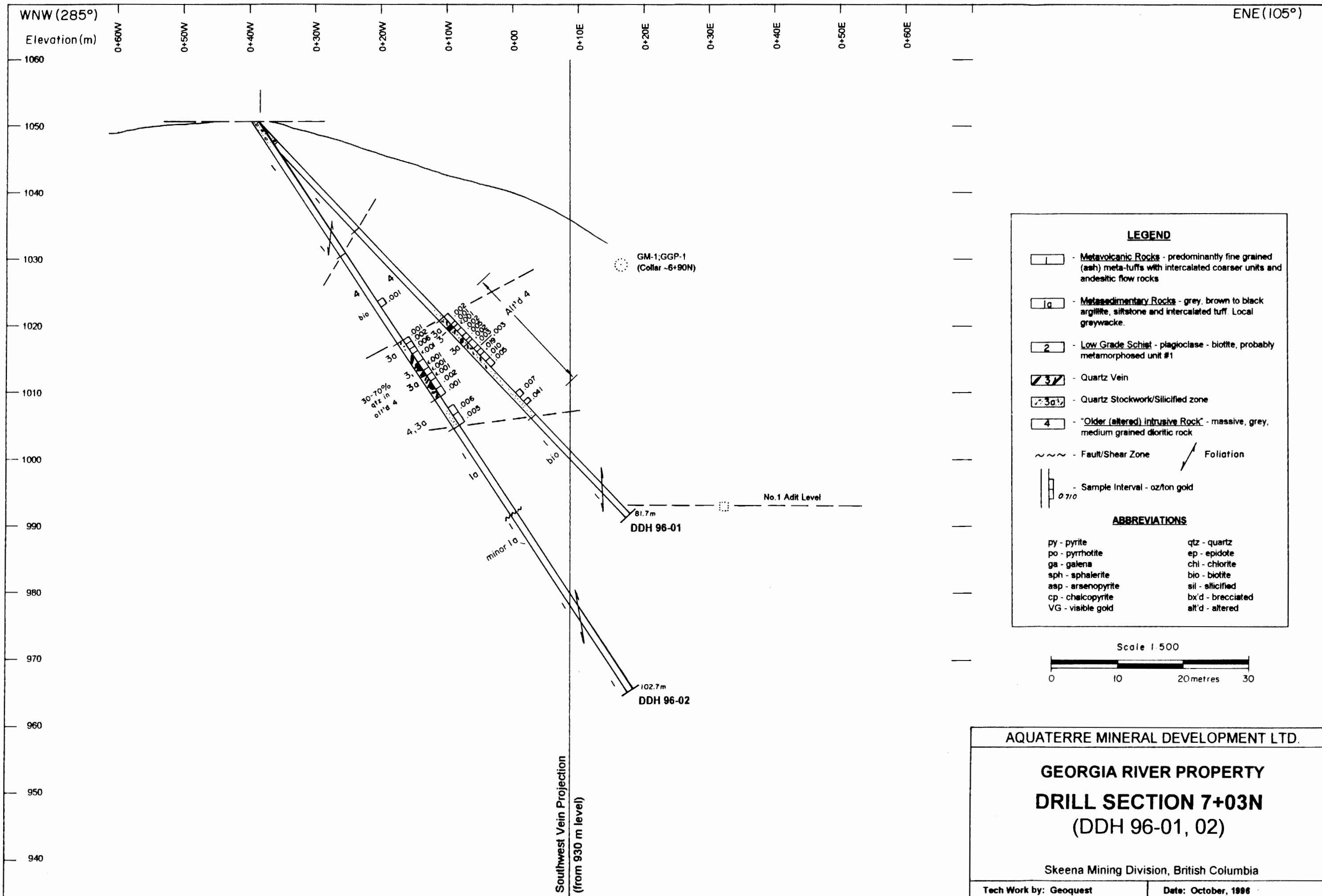
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DEPTH (M)	CORE LOST	DESCRIPTION	MINERALIZATION	SAMPLE NUMBER	SAMPLE INTERVAL	Au 1 ppb	Au 2 oz/t
23.58-99.15		Q ~ 97.0M - 99.15M ↑ biotite alt <sup>n</sup>					
		CONT'D					
99.15-105.10		Altered, silicified, stockwork veined, Qtz vein ZONE. Bleached, Lt grey/green silicified & Qtz veined Meta-volcanics.					
		60758. H.W to silicified Qtz vein zone. Brown biotite altered F.G Meta-tuff becoming ↑ bleached towards bottom of intv. Fabric @ 30-35° to c/A. wk. silicification @ bottom of intv.	1% diss & blebs po. 1/2% py.	60758	99.15-100.65	<0.001	
		Strongly silicified, stockwork veined bleached Lt. grey altered Meta-volcanic. @ ~ 102 M 5-7mm wide py stringer.	3-4% py 1-2% po.	60759	100.65-102.15	0.010	
		S.T.A. TR bright green clay mineral, 2-3cm wide Qtz vein @ ~ 102.05 M @ 30° to c/A. Intv strongly silicified/	3-4% py. 1% po	60760	102.15-103.65	0.006	
		Stockwork veined.					
105.10-112.23		GREEN/Brown F.G → M.G Meta-tuff					
		Strong silicification, Qtz veining (~55% Qtz over intv) Qtz microveining. over intv.	4-5% py, 2-3% po. TR & 2	60761	103.65-105.15	0.003	
		F.W to Qtz vein zone. Well foliated grey/brown Meta-tuff. (F.G → M.G)	1/2% py.	60762	105.15-106.65	<0.001	
		Top 1/2 of intv. M.G green Meta-tuff. Lower 1/2 brown biotitic, silicified Qtz vein meta-tuff.	3-5% py cubes, blebs.	60763	106.65-108.15	0.001	
		Brown-biotitic F.G Meta-tuff. ↑ py & wk. silicification @ bottom.	2-3% py 2% po.	60764	110.75-112.23	<0.001	
112.23-114.3		Interbedded f.g dk grey → blk <u>SEDIMENTS</u> & grey f.g Meta-tuff.		60			



**APPENDIX B**

**DRILL SECTIONS**



**LEGEND**

- **Metavolcanic Rocks** - predominantly fine grained (ash) meta-tuffs with intercalated coarser units and andesitic flow rocks
- **Metasedimentary Rocks** - grey, brown to black argillite, siltstone and intercalated tuff. Local greywacke.
- **Low Grade Schist** - plagioclase - biotite, probably metamorphosed unit #1
- **Quartz Vein**
- **Quartz Stockwork/Silicified zone**
- **"Older (altered) Intrusive Rock"** - massive, grey, medium grained dioritic rock
- ~~~~ - **Fault/Shear Zone**
- ↗ - **Foliation**
- **Sample Interval - oz/ton gold**

**ABBREVIATIONS**

py - pyrite	qtz - quartz
po - pyrrhotite	ep - epidote
ga - galena	chi - chlorite
sph - sphalerite	bio - biotite
asp - arsenopyrite	sil - silicified
cp - chalcopyrite	bx'd - brecciated
VG - visible gold	alt'd - altered

AQUATERRE MINERAL DEVELOPMENT LTD.

**GEORGIA RIVER PROPERTY  
DRILL SECTION 7+03N  
(DDH 96-01, 02)**

Skeena Mining Division, British Columbia

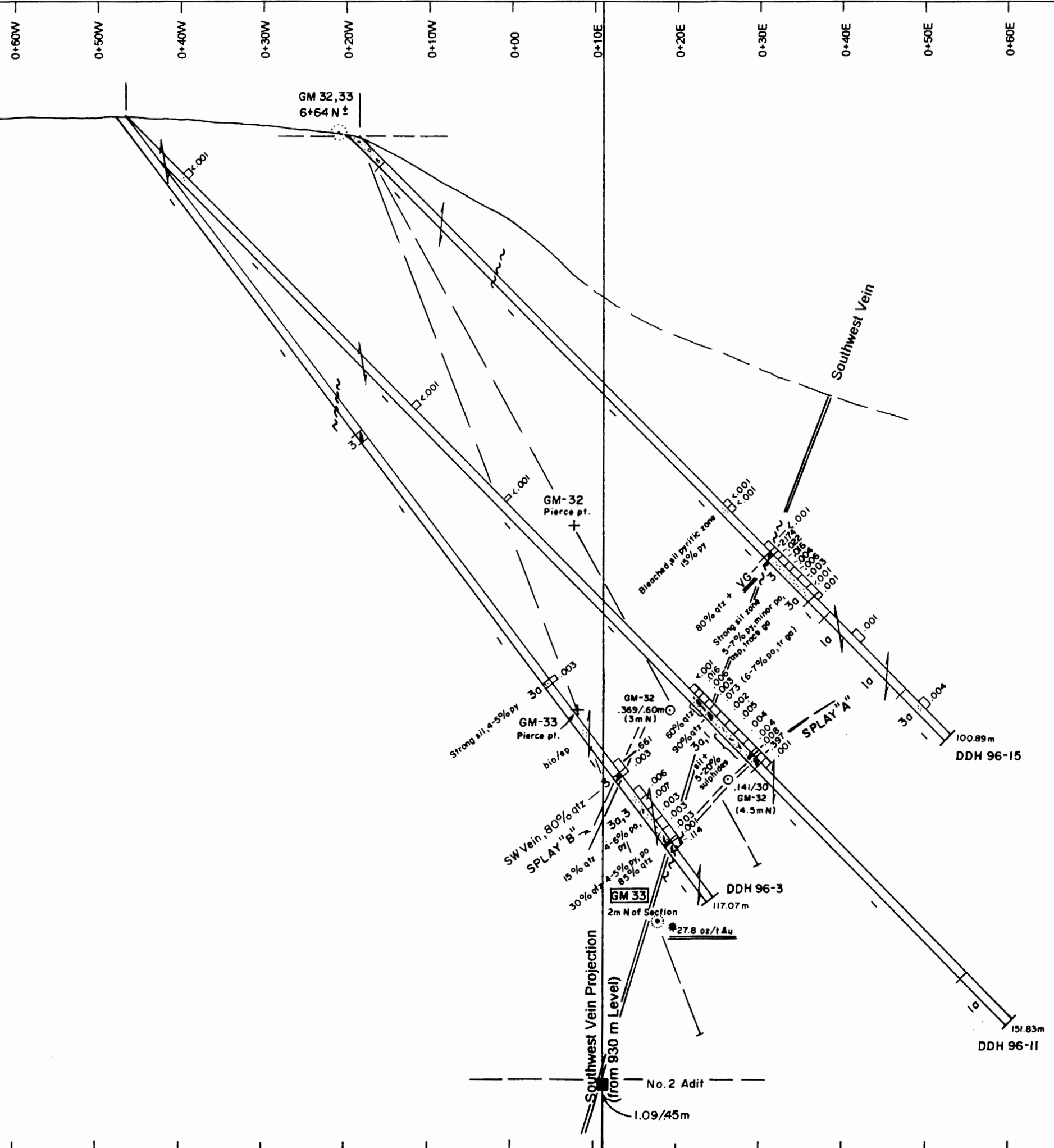
Tech Work by: Geoquest	Date: October, 1996
NTS No.: 1030/16W	Figure No.:

WNW (285°)

ENE (105°)

Elevation (m)

1050  
1040  
1030  
1020  
1010  
1000  
990  
980  
970  
960  
950  
940  
930

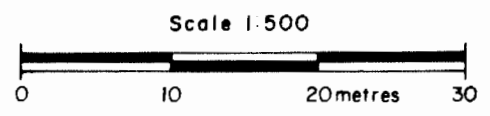


**LEGEND**

- Metavolcanic Rocks - predominantly fine grained (ash) meta-tuffs with intercalated coarser units and andesitic flow rocks
- Metasedimentary Rocks - grey, brown to black argillite, siltstone and intercalated tuff. Local greywacke.
- Low Grade Schist - plagioclase - biotite, probably metamorphosed unit #1
- Quartz Vein
- Quartz Stockwork/Silicified zone
- "Older (altered) Intrusive Rock" - massive, grey, medium grained dioritic rock
- Fault/Shear Zone
- Foliation
- Sample Interval - oz/ton gold

**ABBREVIATIONS**

py - pyrite	qtz - quartz
po - pyrrhotite	ep - epidote
ga - galena	chl - chlorite
sph - sphalerite	bio - biotite
asp - arsenopyrite	sil - silicified
cp - chalcopyrite	bx'd - brecciated
VG - visible gold	alt'd - altered

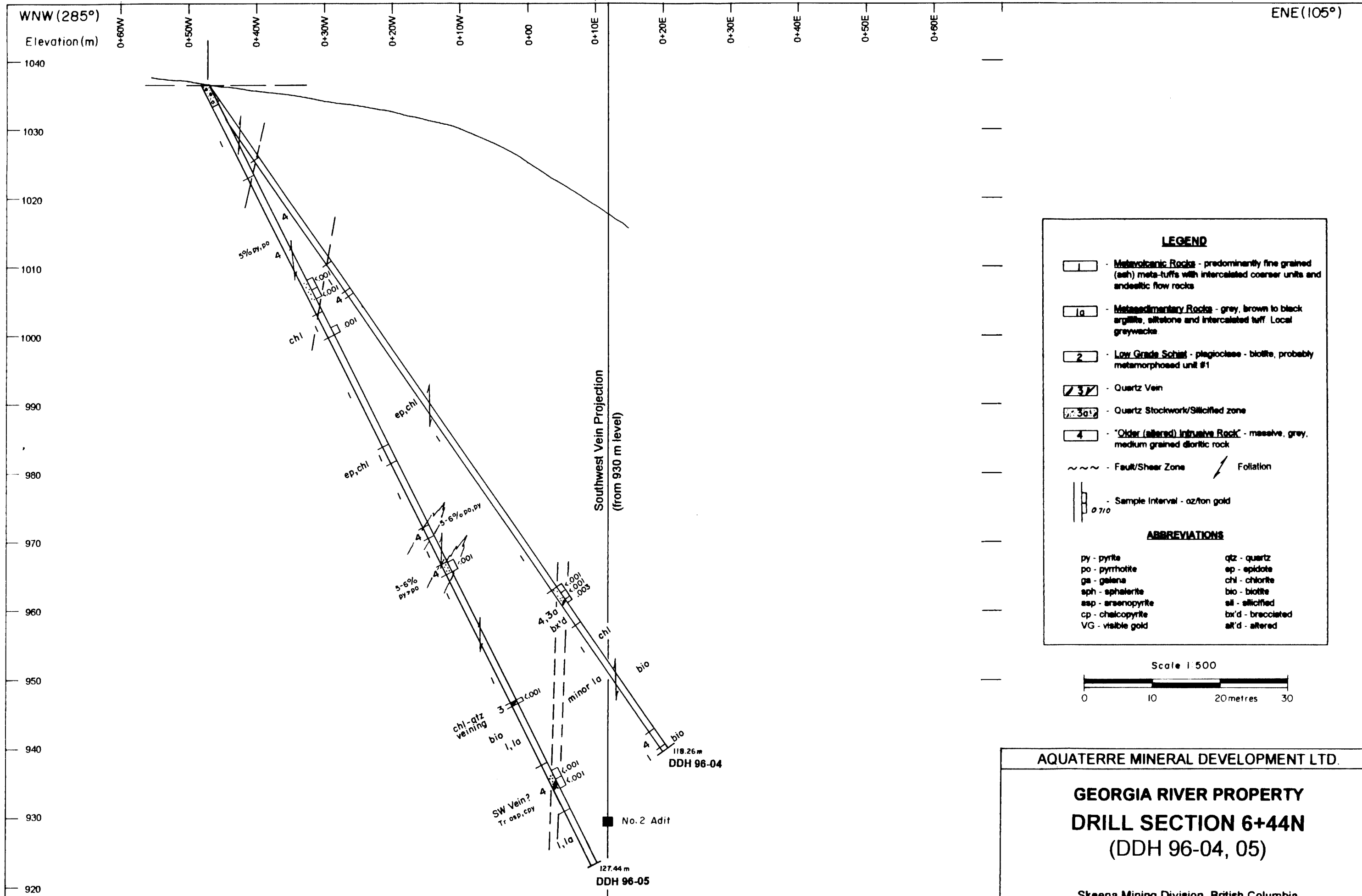


**AQUATERRE MINERAL DEVELOPMENT LTD.**

**GEORGIA RIVER PROPERTY  
DRILL SECTION 6+73N  
(DDH 96-03, 11, 15)**

Skeena Mining Division, British Columbia

Tech Work by: Geoquest	Date: October, 1996
NTS No.: 1630/16W	Figure No.:

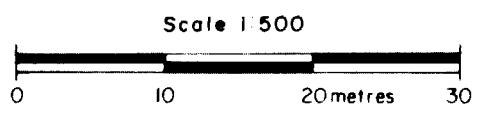


**LEGEND**

- Metavolcanic Rocks - predominantly fine grained (ash) meta-tuffs with intercalated coarser units and andesitic flow rocks
- Metasedimentary Rocks - grey, brown to black argillite, siltstone and intercalated tuff. Local greywacke
- Low Grade Schist - plagioclase - biotite, probably metamorphosed unit #1
- Quartz Vein
- Quartz Stockwork/Silicified zone
- Older (altered) Intrusive Rock - massive, grey, medium grained dioritic rock
- Fault/Shear Zone
- Foliation
- Sample Interval - oz/ton gold

**ABBREVIATIONS**

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po - pyrrhotite	ep - epidote
ga - galena	chl - chlorite
sph - sphalerite	bio - biotite
asp - arsenopyrite	sil - silicified
cp - chalcopyrite	br'd - brecciated
VG - visible gold	al'd - altered



**AQUATERRE MINERAL DEVELOPMENT LTD.**

**GEORGIA RIVER PROPERTY**  
**DRILL SECTION 6+44N**  
**(DDH 96-04, 05)**

Skeena Mining Division, British Columbia

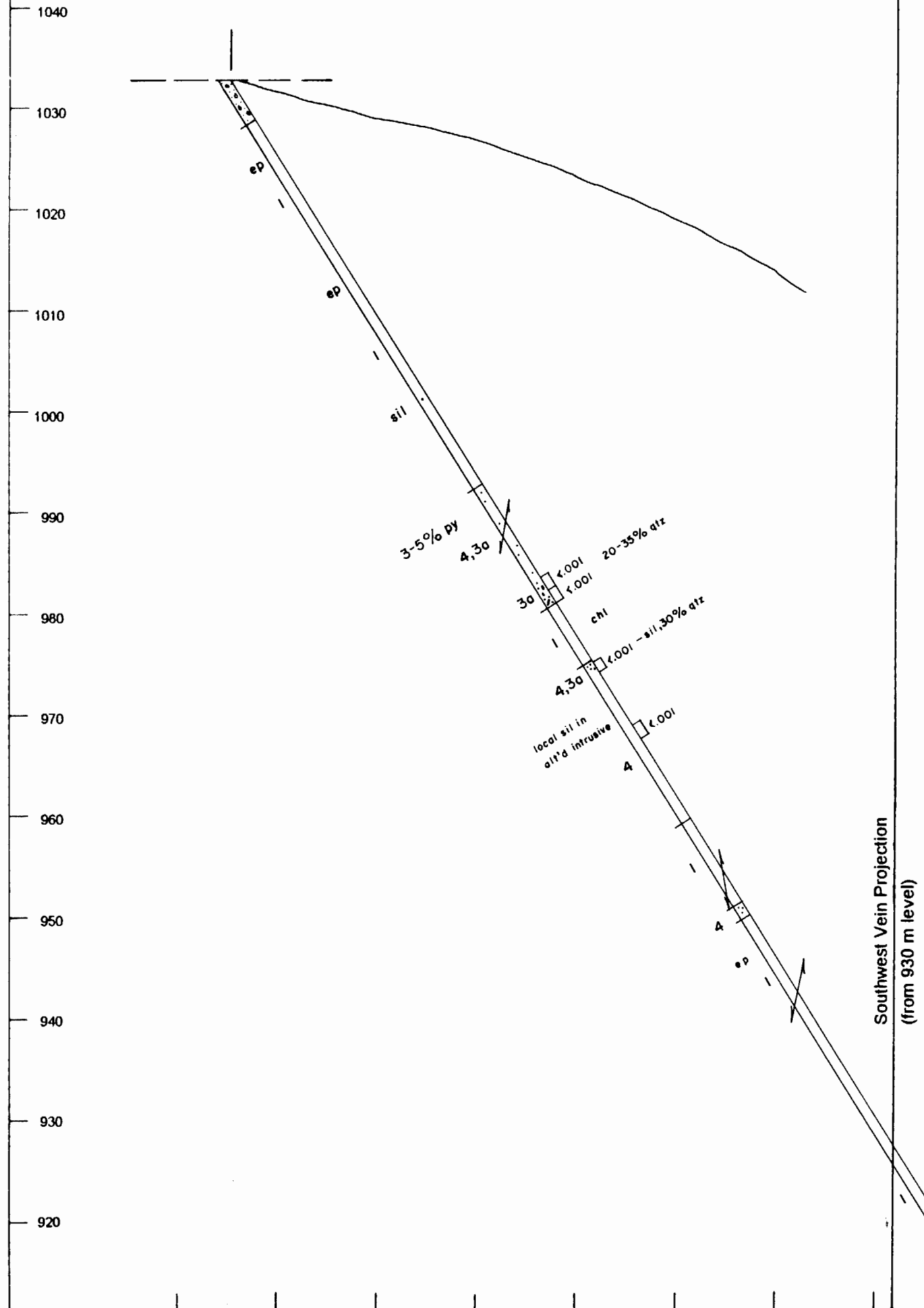
Tech Work by: Geoquest	Date: October, 1996
NTS No.: 1630/16W	Figure No.:

WNW (285°)

ENE (105°)

Elevation (m)

0+60W 0+50W 0+40W 0+30W 0+20W 0+10W 0+00 0+10E 0+20E 0+30E 0+40E 0+50E 0+60E

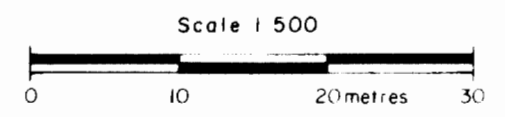


**LEGEND**

	Metavolcanic Rocks - predominantly fine grained (ash) meta-tuffs with intercalated coarser units and andesitic flow rocks
	Metasedimentary Rocks - grey, brown to black argillite, siltstone and intercalated tuff. Local greywacke
	Low Grade Schist - plagioclase - biotite, probably metamorphosed unit #1
	Quartz Vein
	Quartz Stockwork/Silicified zone
	"Older (altered) Intrusive Rock" - massive grey, medium grained dioritic rock
	Fault/Shear Zone
	Foliation
	Sample Interval - oz/ton gold

**ABBREVIATIONS**

py - pyrite	qtz - quartz
po - pyrrhotite	ep - epidote
ga - galena	chl - chlorite
sph - sphalerite	bio - biotite
asp - arsenopyrite	sil - silicified
cp - chalcopyrite	bx'd - brecciated
VG - visible gold	alt'd - altered



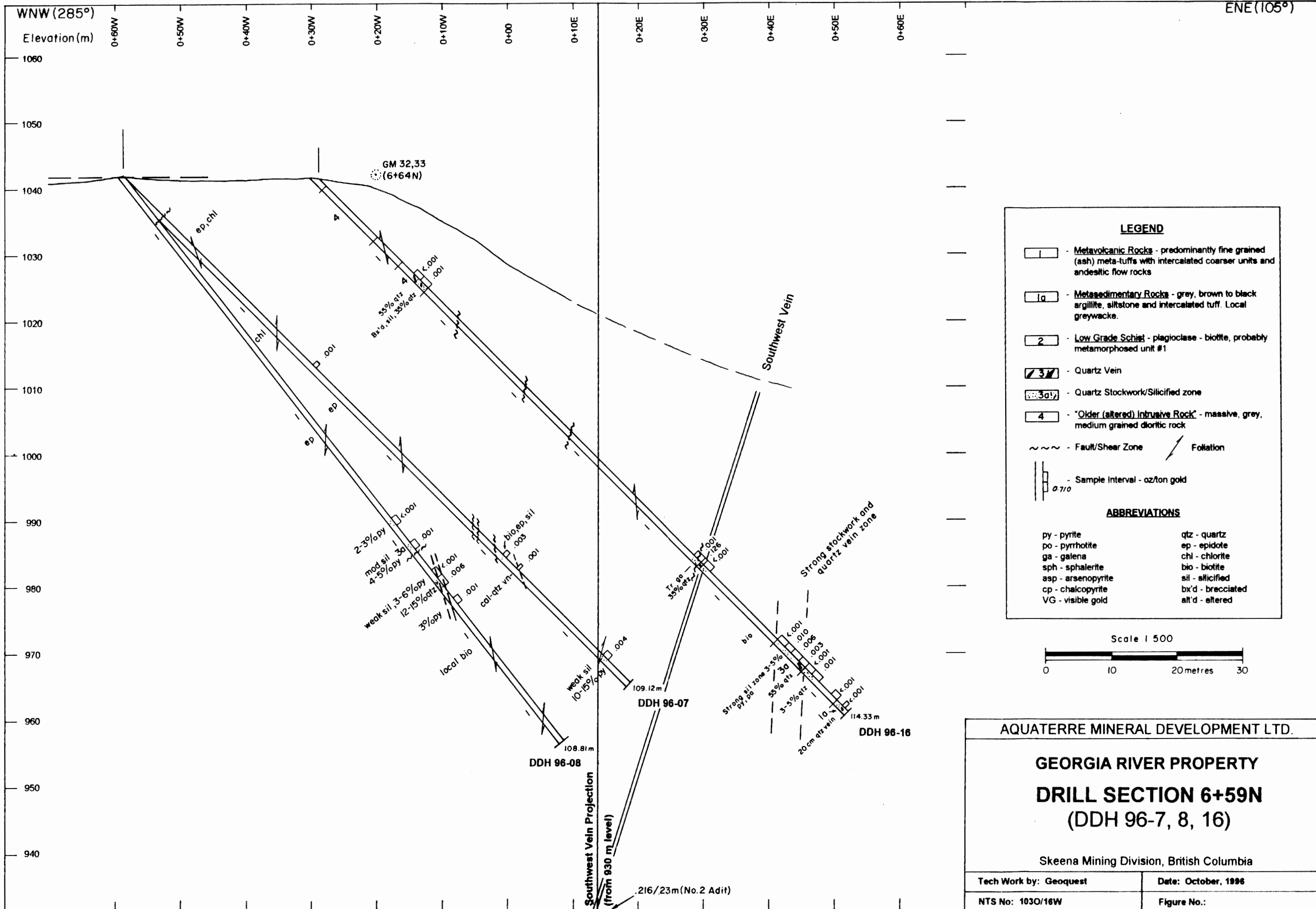
AQUATERRE MINERAL DEVELOPMENT LTD.

**GEORGIA RIVER PROPERTY**  
**DRILL SECTION 6+13N**  
**(DDH 96-06)**

Skeena Mining Division, British Columbia

Tech Work by: Geoquest	Date: October, 1996
NTS No: 1630/16W	Figure No.:



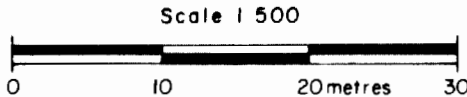


**LEGEND**

- **Metavolcanic Rocks** - predominantly fine grained (ash) meta-tuffs with intercalated coarser units and andesitic flow rocks
- **Metasedimentary Rocks** - grey, brown to black argillite, siltstone and intercalated tuff. Local greywacke.
- **Low Grade Schist** - plagioclase - biotite, probably metamorphosed unit #1
- **Quartz Vein**
- **Quartz Stockwork/Silicified zone**
- **"Older (altered) Intrusive Rock"** - massive, grey, medium grained dioritic rock
- **Fault/Shear Zone**       - **Foliation**
- **Sample Interval - oz/ton gold**  
0.710

**ABBREVIATIONS**

py - pyrite	qtz - quartz
po - pyrrhotite	ep - epidote
ga - galena	chl - chlorite
sph - sphalerite	bio - biotite
asp - arsenopyrite	sil - silicified
cp - chalcopyrite	bx'd - brecciated
VG - visible gold	alt'd - altered



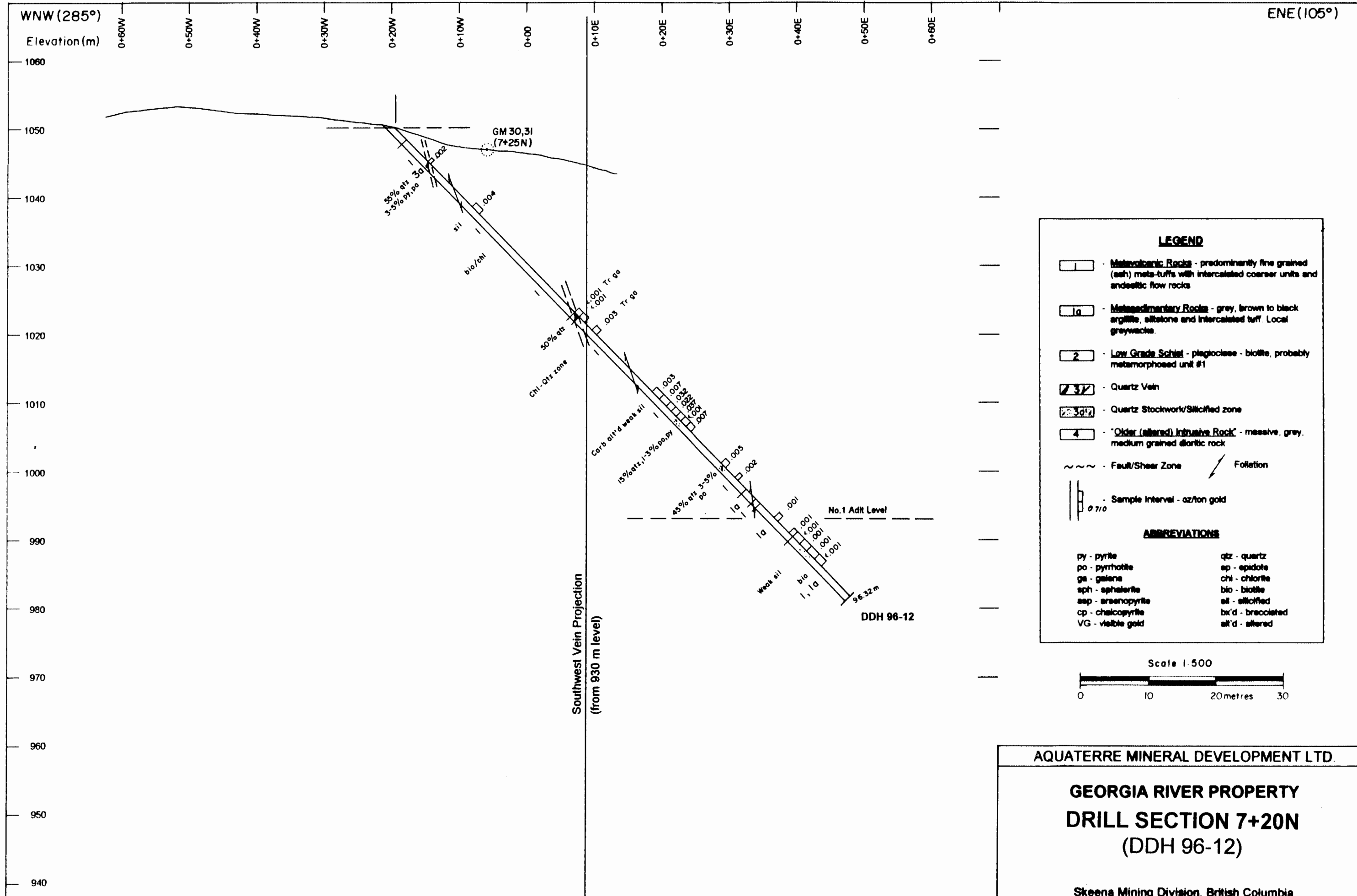
**AQUATERRE MINERAL DEVELOPMENT LTD.**

**GEORGIA RIVER PROPERTY**  
**DRILL SECTION 6+59N**  
**(DDH 96-7, 8, 16)**

Skeena Mining Division, British Columbia

Tech Work by: Geoquest	Date: October, 1996
NTS No: 1030/16W	Figure No.:



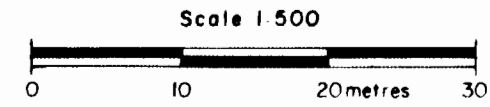


**LEGEND**

- Metavolcanic Rocks - predominantly fine grained (ash) meta-tuffs with intercalated coarser units and andesitic flow rocks
- Metasedimentary Rocks - grey, brown to black argillite, siltstone and intercalated tuff. Local greywacke.
- Low Grade Schist - plagioclase - biotite, probably metamorphosed unit #1
- Quartz Vein
- Quartz Stockwork/Silicified zone
- "Older (altered) Intrusive Rock" - massive, grey, medium grained dioritic rock
- ~~~~ - Fault/Shear Zone
- Sample Interval - oz/ton gold

**ABBREVIATIONS**

py - pyrite	qtz - quartz
po - pyrrhotite	ep - epidote
ga - galena	chl - chlorite
sph - sphalerite	bio - biotite
asp - arsenopyrite	sil - silicified
cp - chalcopyrite	br'd - brecciated
VG - visible gold	alk'd - altered

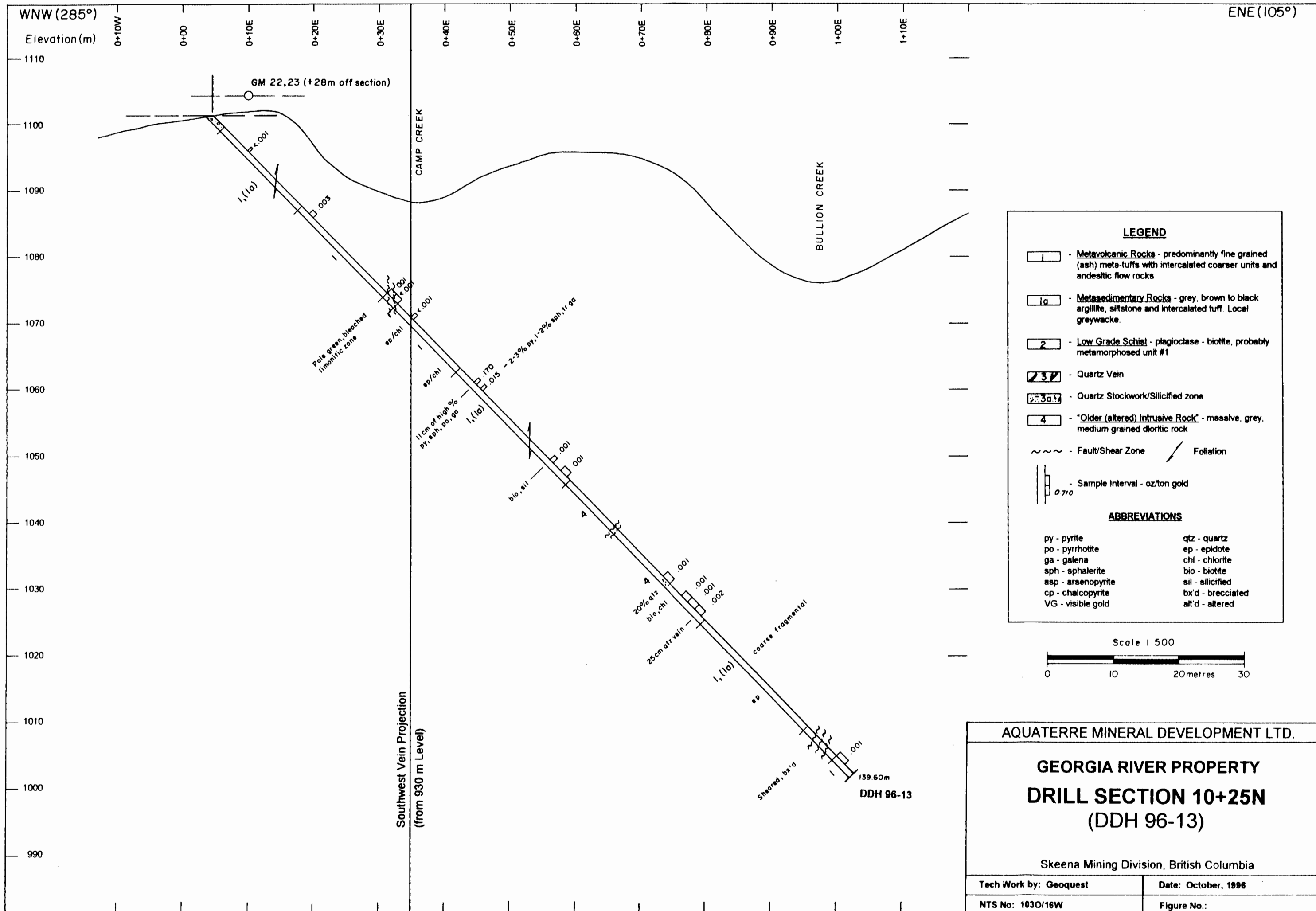


**AQUATERRE MINERAL DEVELOPMENT LTD.**

**GEORGIA RIVER PROPERTY  
DRILL SECTION 7+20N  
(DDH 96-12)**

Skeena Mining Division, British Columbia

Tech Work by: Geoquest	Date: October, 1996
NTS No: 1630/16W	Figure No.:





**APPENDIX C**

**ANALYTICAL PROCEDURES**

**Eco Tech Laboratories Ltd.**



ASSAYING  
GEOCHEMISTRY  
ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

## Analytical Method Assessment for

### *GOLD ASSAY*

Samples are sorted and dried ( if necessary ). The samples are crushed through a jaw crusher and cone or rolls crusher to -10 mesh. The sample is split through a Jones riffle until a -250 gram subsample is achieved. The subsample is pulverized in a ring & puck pulverizer to 95% -140 mesh. The sample is rolled to homogenize.

A 1/2 or 1.0 A.T. sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer AA instrument.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

**APPENDIX D**

**ANALYTICAL DATA**





ASSAYING  
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ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

**CERTIFICATE OF ASSAY AS 96-5229**

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V8V 1V5

6-Sep-96

ATTENTION: JOHN KERR

sample received: 18  
PROJECT #: GEORGIA RIVER  
SHIPMENT #: 1  
Sample submitted by: R. Montgomery

Post-It™ Fax Note	7671E	Date	Sept 11	# of pages	6
To	WARNER G.	From	DDA		
Co./Dept.		Co.	ECO-TECH		
Phone #		Phone #			
Fax #		Fax #			

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60601	0.06	0.002
2	60602	0.03	0.001
3	60603	<.03	<.001
4	60604	0.07	0.002
5	60605	0.16	0.005
6	60606	0.06	0.002
7	60607	0.09	0.003
8	60608	0.11	0.003
9	60609	0.66	0.019
10	60610	0.34	0.010
11	60611	0.16	0.005
12	60612	0.24	0.007
13	60613	1.39	0.041
14	60614	0.04	0.001
15	60615	0.03	0.001
16	60616	0.06	0.002
17	60617	0.19	0.006
18	60618	<.03	<.001

DDN 96-1

DDN 96-2

**QC/DATA:**

**Resplit:**


R/S 1	60601	0.08	0.002
-------	-------	------	-------

**Repeat:**

1	60601	0.07	0.002
10	60610	0.16	0.005

**Standard:**

STD-M		3.26	0.095
-------	--	------	-------

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

XLS/96KMISC#7



ASSAYING  
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ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

**CERTIFICATE OF ASSAY AS 96-5248**

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

7-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 7  
Sample type: DC  
PROJECT #: GEORGIA RIVER  
SHIPMENT #: 2  
Samples submitted by: R. MONTGOMERY

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60619	<.03	<.001
2	60620	<.03	<.001
3	60621	<.03	<.001
4	60622	0.06	0.002
5	60623	0.03	0.001
6	60624	0.21	0.006
7	60625	0.18	0.005

DD 96-2

**QC/DATA:**


Resplit:

1 60619 <.03 <.001

Standard:

STD-M 3.30 0.096

XLS/96KMISC#7

  
per **FRANK J. PEZZOTTI, A.Sc.T.**  
B.C. Certified Assayer



ASSAYING  
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ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

**CERTIFICATE OF ASSAY AS 96-5249**

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

7-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 10  
Sample type: CORE  
PROJECT #: GEORGIA RIVER  
SHIPMENT #: 3  
Samples submitted by: MIKE COPLEY


ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60626	0.12	0.003
2	60627	22.67	0.661
3	60628	0.11	0.003
4	60629	0.21	0.006
5	60630	0.24	0.007
6	60631	0.12	0.003
7	60632	0.09	0.003
8	60633	0.09	0.003
9	60634	0.04	0.001
10	60635	3.91	0.114

DUN 96-3

**QC/DATA:**

<b>Resplit:</b>			
1	60626	0.13	0.004
<b>Repeat:</b>			
1	60626	0.12	0.003
<b>Standard:</b>			
STD-M		3.33	0.097

XLS/96KMISC#7

  
FRANK J. PEZZOTTI  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer



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ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

## CERTIFICATE OF ASSAY AS 96-5250

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

7-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 10  
Sample type: CORE  
PROJECT #: GEORGIA RIVER  
SHIPMENT #: 4  
Samples submitted by: NOT INDICATED

ET #.	Tag #	Au (g/t)	Au (oz/t)	
1	60636	<.03	<.001	
2	60637	<.03	<.001	DDN 96-01
3	60638	0.10	0.003	
4	60639	<.03	<.001	
5	60640	<.03	<.001	
6	60641	<.03	<.001	
7	60642	0.03	0.001	DDN 96-05
8	60643	<.03	<.001	
9	60644	<.03	<.001	
10	60645	<.03	<.001	

**QC/DATA:**

**Resplit:**

1 60636 <.03 <.001


**Repeat:**

1 60636 <.03 <.001

**Standard:**

STD-M 3.34 0.097

XLS/96KMISC#7

per   
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer



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ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

**CERTIFICATE OF ASSAY AS 96-5264**

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

7-Sep-96

ATTENTION: JOHN KERR


No. of samples received: 9  
Sample type: CORE  
PROJECT #: GEORGIA RIVER  
SHIPMENT #: 5  
Samples submitted by: ROB MONTGOMERY

ET #.	Tag #	Au (g/t)	Au (oz/t)	
1	60646	<.03	<.001	
2	60647	<.03	<.001	DDN 96-6
3	60648	<.03	<.001	
4	60649	0.04	0.001	
5	60650	<.03	<.001	
6	60651	0.09	0.003	DDN 96-7
7	60652	<.03	<.001	
8	60653	0.14	0.004	
9	60654	<.03	<.001	DDN 96-8

**QC/DATA:**

<b>Resplt:</b>			
1	60646	<.03	<.001
<b>Repeat:</b>			
1	60646	<.03	<.001
<b>Standard:</b>			
STD-M		3.21	0.094

XLS/96KMISC#7

  
per **ECO-TECH LABORATORIES LTD.**  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

09/20/96 15:48 ☎ 604 573 4557

ECO-TECH KAM.

001



**ASSAYING  
GEOCHEMISTRY  
ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING**

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

**CERTIFICATE OF ASSAY AS 96-5265**

**AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5**

7-Sep-96

**ATTENTION: JOHN KERR**

*No. of samples received: 4  
Sample type: CORE  
PROJECT #: GEORGIA RIVER  
SHIPMENT #: 6  
Samples submitted by: MIKE COPLEY*

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60655	0.03	0.001
2	60658	<.03	<.001
3	60657	0.20	0.006
4	60658	0.03	0.001

**QC/DATA:**

<b>Resplit:</b>			
1	60655	0.04	0.001
<b>Standard:</b>			
STD-M		3.32	0.097

FEED FAX THIS END

**FAX**

To: Warner

Dept.: \_\_\_\_\_

Fax No.: (11)

No. of Pages: \_\_\_\_\_

From: \_\_\_\_\_

Date: 549-5262

Company: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Comments: \_\_\_\_\_

Post-Net fax paid 7903F

*Frank J. Pezzotti*  
**ECO-TECH LABORATORIES LTD.**  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer



ASSAYING  
GEOCHEMISTRY  
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ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

**CERTIFICATE OF ASSAY AS 96-5282**

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

16-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 11  
Sample type: Core  
PROJECT #: Georgia River  
SHIPMENT #: 7  
Samples submitted by: Not Indicated

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60659	0.07	0.002
2	60660	<.03	<.001
3	60661	0.15	0.004
4	60662	0.22	0.006
5	60663	0.17	0.005
6	60664	0.06	0.002
7	60665	<.03	<.001
8	60666	0.50	0.015
9	60667	0.75	0.022
10	60668	0.42	0.012
11	60669	0.08	0.002

**QC/DATA:**

**Resplit:**

R/S 1 60659 0.06 0.002

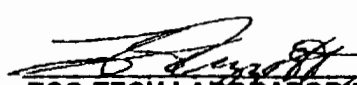
**Repeat:**

1 60659 0.06 0.002  
10 60668 0.39 0.011

**Standard:**

Std-M 1.40 0.041

XLS/96Aquaterre

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer



ASSAYING  
GEOCHEMISTRY  
ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700  
Fax (604) 573-4557

## CERTIFICATE OF ASSAY AS 96-5281

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

16-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 23

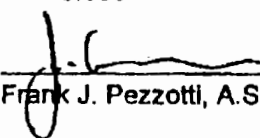
Sample type: Core

PROJECT #: Georgia River

SHIPMENT #: B

Samples submitted by: Not indicated

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60662A	0.12	0.003
2	60680A	0.25	0.007
3	60670	0.12	0.003
4	60671	<.03	<.001
5	60672	<.03	<.001
6	60673	<.03	<.001
7	60674	0.07	0.002
8	60675	0.33	0.010
9	60676	0.14	0.004
10	60677	0.10	0.003
11	60678	0.34	0.010
12	60679	0.11	0.003
13	60680	0.03	0.001
14	60681	<.03	<.001
15	60682	0.27	0.008
16	60683	0.12	0.003
17	60684	<.03	<.001
18	60685	<.03	<.001
19	60686	<.03	<.001
20	60687	<.03	<.001
21	60688	<.03	<.001
22	60689	0.54	0.016
23	60690	0.19	0.006

per  Frank J. Pezzotti, A.Sc. T.B.C. Certified Assayer



AQUATERRE MINERAL DEV. LTD. - AS 5281

16-Sep-96

ET #.	Tag #	Au (g/t)	Au (oz/t)
<b>QC/DATA:</b>			
<b>Resplit:</b>			
R/S 1	60662A	0.15	0.004
<b>Repeat:</b>			
1	60662A	0.13	0.004
10	60677	0.08	0.002
19	60686	<.03	<.001
<b>Standard:</b>			
Std-M		1.61	0.047

XLS/96Aquaterre

  
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**CERTIFICATE OF ASSAY AS 96-5283**

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

16-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 9  
Sample type: Core  
PROJECT #: Georgia River  
SHIPMENT #: 9  
Samples submitted by: Valerie Kerr

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60691	0.11	0.003
2	60692	2.50	0.073
3	60693	0.07	0.002
4	60694	0.16	0.005
5	60695	0.15	0.004
6	60696	0.13	0.004
7	60697	0.26	0.008
8	60698	13.60	0.397
9	60699	0.03	0.001

**QC/DATA:**

**Resplit:**

R/S 1 60691 0.11 0.003

**Repeat:**

3 60693 0.07 0.002

**Standard:**

Std-M 1.50 0.044

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## CERTIFICATE OF ASSAY AS 96-5284

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

16-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 17

Sample type: Drill Core

PROJECT #: Georgia River

SHIPMENT #: 10


Samples submitted by: Valerie Kerr

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60701	0.06	0.002
2	60702	0.15	0.004
3	60703	<.03	<.001
4	60704	<.03	<.001
5	60705	0.1	0.003
6	60706	0.12	0.003
7	60707	0.24	0.007
8	60708	1.10	0.032
9	60709	0.74	0.022
10	60710	1.28	0.037
11	60711	<.03	<.001
12	60712	0.24	0.007
13	60713	0.18	0.005
14	60714	0.08	0.002
15	60715	<.03	<.001
16	60716	0.03	0.001
17	60717	<.03	<.001

Frank J. Pezzotti, A.Sc. T.B.C. Certified Assayer

<u>ET #.</u>	<u>Tag #</u>	<u>Au</u> <u>(g/t)</u>	<u>Au</u> <u>(oz/t)</u>
<b>QC/DATA:</b>			
<b>Resplt:</b>			
R/S 1	60701	0.07	0.002
<b>Repeat:</b>			
1	60701	0.06	0.002
10	60710	1.40	0.041

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## CERTIFICATE OF ASSAY AS 96-5297

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**AQUATERRE MINERAL DEV. LTD.**  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

17-Sep-96

**ATTENTION: JOHN KERR**

*No. of samples received: 20*

*Sample type: Drill/Core*

*PROJECT #: GEORGIA RIVER*

*SHIPMENT #: 11*

*Samples submitted by: Valeri Kerr*

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	80721	<.03	<.001
2	80722	0.12	0.003
3	80723	0.03	0.001
4	80724	<.03	<.001
5	80725	<.03	<.001
6	80726**	5.84	0.170
7	80727	0.52	0.015
8	80728	0.03	0.001
9	80729	0.05	0.001
10	80730	<.03	<.001
11	80731	<.03	<.001
12	80732	<.03	<.001
13	80733	0.06	0.002
14	80734	0.04	0.001
15	80700	0.03	0.001
16	80686A	0.12	0.003
17	80682A	0.09	0.003
18	80718	0.05	0.001
19	80719	0.03	0.001
20	80720	<.03	<.001

  
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B.C. Certified Assayer

ET #.	Tag #	Au (g/t)	Au (oz/t)
<b>QC/DATA:</b>			
<b>Resplit:</b>			
R/S 1	60721	<.03	<.001
<b>Repeat:</b>			
2	60722	0.16	0.005
10	60730	<.03	<.001
<b>Standard:</b>			
Std-M		1.31	0.038

**NOTE:\*\*Metallic Gold suspected-A metallic Assay is suggested**

  
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Fax (604) 573-4557

## CERTIFICATE OF ASSAY AS 96-5298

AQUATERRE MINERAL DEV. LTD.  
STE. 1003-470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6V 1V5

17-Sep-96

ATTENTION: JOHN KERR

No. of samples received: 31

Sample type: Drill/Core

PROJECT #: GEORGIA RIVER

SHIPMENT #: None given

Samples submitted by: Valerie Kerr

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	60735	0.05	0.001
2	60736	1.75	0.051
3	60737	16.02	0.467
4	60738	<.03	<.001
5	60739	<.03	<.001
6	60740	<.03	<.001
7	60741	<.03	<.001
8	60742	74.55	2.174
9	60743	0.76	0.022
10	60744	0.55	0.016
11	60745	0.13	0.004
12	60746	0.19	0.006
13	60747	0.09	0.003
14	60748	0.05	0.001
15	60749	0.04	0.001
16	60750	0.03	0.001
17	60751	0.04	0.001
18	60752	0.13	0.004
19	60753	<.03	<.001
20	60754	0.03	0.001
21	60755	0.03	0.001
22	60756	4.32	0.126

per   
ECO-TECH LABORATORIES LTD.

Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

ET #.	Tag #	Au (g/t)	Au (oz/t)
23	60757	<.03	<.001
24	60758	<.03	<.001
25	60759	0.34	0.010
26	60760	0.2	0.006
27	60761	0.09	0.003
28	60762	<.03	<.001
29	60763	0.03	0.001
30	60764	<.03	<.001
31	60765	<.03	<.001

**QC/DATA:****Resplit:**

R/S 1	60735	0.07	0.002
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**Repeat:**

1	60735	0.03	0.001
10	60744	0.48	0.014
28	60762	0.03	0.001

**Standard:**

Std-M		1.57	0.046
Std-M		2.49	0.073

XLS/96Aqualterre




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**ECO-TECH LABORATORIES LTD.**

 per Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer



## APPENDIX E

### PROGRAM EXPENDITURES

#### Diamond Drilling:

Falcon Drilling, Prince George, B.C. (1,844 metres) \$146,548.46

#### Helicopter Support:

Vancouver Island Helicopters, Stewart, B.C. 34,675.77

#### Consulting Fees:

W. Gruenwald, B. Sc.

43¼ days @ \$350/day \$15,137.50

J.R. Kerr, P. Eng.

19¾ days @ \$400/day 7,900.00

T.M. Waterland, P. Eng.

3 days @ \$500/day 1,500.00 24,537.50

#### Labour:

R. Montgomery, B. Sc. - 33 days @ \$275/day 9,075.00

A. Sperling - 33 days @ \$215/day\* 7,095.00

E. Gruenwald - 34 days @ \$210/day 7140.00

V. Kerr - 31 days @ \$135/day\* 3,300.00

M. Copley - 22 days @ \$150/day 3,300.00

\*Workers Compensation 677.00 31,472.00

#### Camp Costs:

Camp Rental 1,750.00

Supplies (food, fuel, materials) 17,858.36 19,608.36

#### Analytical Costs (Eco Tech Labs):

2,312.33

#### Surveying (Skeena Project Services):

6,690.92

#### Travel Costs (includes Room and Board in Stewart):

9,496.85

#### Final Report Compilation:

1,867.50

#### **TOTAL:**

**\$277,209.69**

## APPENDIX F

### REFERENCES

- BCMEMPR Annual Reports: 1914 (K153-K1540, 1915 (K71), 1916 (K85), 1917 (F66), 1918 (K75-K76, 1928 (C90-c91), 1929 (C91-C92), 1932 (A57), 1933 (A51-A52), 1936 (B4-B10), 1937 (B42)
- BCMPEMPR Production Statistics (BCMOTAL)
- Kruchkowski, E.R., 1980: Drill Report Georgia #1 Crown Granted Claim, Stewart Area, Skeena Mining Division, B.C.
- Kruchkowski, E.R., 1981: Report on 1981 Diamond Drilling, Georgia River Project, Stewart Area, Skeena Mining Division, B.C.
- Grove, E.W., 1986: Geology and Mineral Deposits of the Unuk River - Salmon River - Anyox Area; B.C. Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch Bulletin 63.
- Konkin, J.J. and Kruchkowski, E.R., 1988: Drill Report on the Georgia River Project, Stewart Area, Skeena Mining Division, B.C.
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- Bray, A.D. and Rainsford, D., 1990: Geology, Geochemistry, Geophysical and Diamond Drilling Program at the Georgia River Property; Assessment Report by Bond Gold Canada Inc.
- Kruchkowski, E.R., 1990: Drill Report on the Georgia River Project, Stewart Area, Skeena Mining Division, B.C.
- McMillan, R.M., 1994: Report on the Mineral Potential of the Georgia River Gold Mine, Stewart Area, B.C.
- Kerr, J.R., 1995: Preliminary Report on the Georgia River Project - 1995 Drill Program; Private report for Aquaterre Mineral Development
- Schatten, M., 1995: Assessment Report on the Georgia River Project - 1995 Drill Program Skeena Mining Division, B.C.
- Gruenwald, W., 1995: Summary Report on the Georgia River Project - 1995 Diamond Drilling Program and Underground Surveying
- Northern Miner Handbook, 1996-97: Stewart Area Claim Map (Figure 2).

**APPENDIX G**

**STATEMENT OF QUALIFICATIONS**

**I, WERNER GRUENWALD, OF THE CITY OF VERNON, BRITISH COLUMBIA  
HEREBY CERTIFY THAT:**

1. I am a graduate of the University of British Columbia with a B. Sc. degree in Geology (1972).
2. I am a fellow of the Geological Association of Canada (#F2958).
3. I am presently employed as a consulting geologist and president of Geoquest Consulting Ltd., Vernon, B.C.
4. I have practiced continuously as a geologist for the past 24 years in Canada and the US.
5. I was actively involved as project geologist on the Georgia River property during the 1996 exploration program.



W. Gruenwald, B. Sc., F.G.A.C.

Dated: November 28, 1996