

85-238-13649
03/86

1984 Drill Program

on the

Haida Gold Group

(Moresby Island, Q.C.I.)

Group (#1874): Gill - 3763 (2)
Swindle 1-4 - 1043 - 1046 (2)
 5-6 - 1084 - 1085 (2)
 7-8 - 1288 - 1289 (3)
J#1 - 4269 (12)
B#1 - 4146 (7)
F#1 - 4147 (8)

Skeena Mining Division

NTS 103 C/16E

52° 51', 132° 10'

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,649

Claims owned by : Ken Foote
 Harold Robinson

Operator : Cusac Industries Ltd.

Submitted by : James O. Thorpe, B.Sc.

Date : March 15th, 1985

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1984 Drill Program
on the
Haida Gold Group

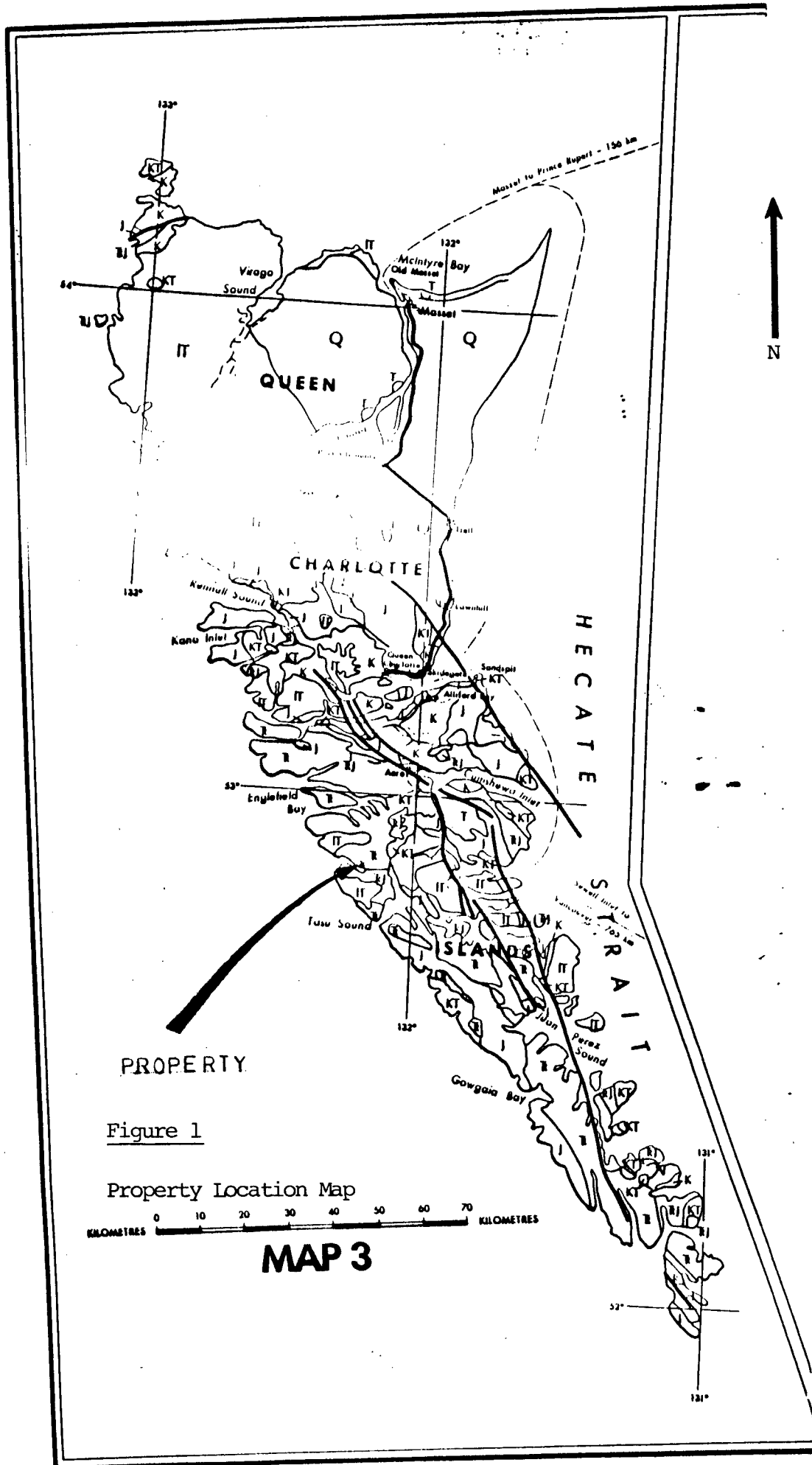
Introduction

The Haida Gold Group consists of 8 claims, the Gill (10 units), J#1 (10 units), B#1 (10 units), and the F#1 (12 units) totalling 42 units and 8 - 2 post claims named Swindle 1-8. These claims are located on the northern shore near the head of the south arm of Kootenay Inlet. Kootenay Inlet is located in the Queen Charlotte Islands directly west of Sewell Inlet on Moresby Island. Map reference is NTS 103 C/16E.

Access to the Haida Gold Group, from Sandspit, is via helicopter or by float plane to Kootenay Inlet. A helicopter pad is located on the Al adit dump and a well marked trail exists from Kootenay Inlet to camp and the old workings. Sandspit is serviced daily, by jet, from Vancouver by P.W.A. Alterately, B.C. Ferry's provides a bi-weekly service to Skidigate from Prince Rupert. From Skidigate a B.C. Ministry of Transportation ferry is available on a regular schedule to Sandspit.

The property was first discovered by Jones, Wiggs, and McRae in 1919 and received most of its exploration during the early 1930's. The property has operated under the names of Kootenay, Rupert, Haida Gold Mines, Blue Mule and is presently known as the Haida Gold Group. The current owners are Ken Foote of Sandspit and Harold Robinson of Holberg, B.C. The operator is Cusac Industries Ltd. of Vancouver.

The property consists of an easterly striking, steeply south dipping replacement quartz vein in a triassic Karmutsen massive Greenstone. The vein varies in width between 1' (.3m) and 4' (1.2m) as examined in two adits exploring this vein at the 200' (60.9m) and 525' (160.0m) elevations. A 1500' (457.2m) diamond drill program was initiated during December 1984 to test for grades and structural continuity down dip and along strike of the known workings and to determine whether the veins explored



underground by the A1 and A2 adits are the same vein or a sub-parallel vein system.

Detailed Technical Data

The Haida Gold Group consists primarily of Triassic Karmutsen Meta-basalts overlain conformably on the southern portion of the claim block by a Triassic/Jurassic limestone member. The basalts are for the most part massive, however, narrow flows of tuffaceous volcanics are noted in outcrop and in the drill core. The Haida vein is a quartz replacement structure infilling a predominately east-west fracture system. The vein varies in width from 1' (.3m) to 4' (1.2m) in underground workings with a total altered zone envelope of up to 6' (1.9m). This envelope contains a network of veinlets composed of quartz and calcite within a chloritized meta-basalt.

The purpose of this drill program was to test the vein system at depth between and along strike of the old workings in order to determine grades, continuity, and whether a sub-parallel vein system existed or whether the same vein was being explored by adits A1 and A2. The following table tabulates the pertinent information of the seven (7) drill holes.

Table I Azimuth/dip

<u>Drill Hole</u>	<u>Core Diameter</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Collar Elevation</u>	
1	NQ	354°	-35°	500'	
2	NQ	16°	-58°	500'	
3	NQ	310°	-40°	500'	- Drill Site #1 (152.4m)
4	NQ	0°	-30°	500'	
5	NQ	330°	-43°	475'	
6	NQ	5°	-30°	475'	- Drill Site #2 (144.8m)
7	NQ	348°	-40°	475'	

Location of the drill holes may be found on Plan Map #1. Table two lists the results of the program and also the associated assays of vein intersections and their reruns.

Table II Results

<u>Drill Hole</u>	<u>Depth</u>	<u>Intersection</u>	<u>Sample Width</u>	<u>Sample #</u>	<u>Assay/Reruns (oz/ton)</u> ^{Au}
1	202' (61.6m)	142' (43.3m)	142' - 144' (43.3m-43.9m)	9101	0.001
2	252' (76.8m)	223' - 232' (68.0m-70.7m)	222' - 227' (67.7m-69.2m)	9114	0.022, 0.034, 0.027
3	270' (82.3m)	251' - 260' (76.5m-79.2m)	250' - 255' (76.2m-77.7m)	9117	0.001, 0.002, 0.001
			255' - 260' (77.7m-79.2m)	9118	0.001, 0.001, 0.002
4	152' (46.3m)	137' - 138' (41.8m-42.1m)	137' - 140' (41.8m-42.7m)	9122	0.001
5	252' (76.8m)	115' - 120' (35.1m-36.6m)	115' - 118' (35.1m-36.0m)	9124	0.052, 0.059
			118' - 121' (36.0m-36.9m)	9125	0.003, 0.002
6	167' (50.9m)	74' - 77½' (22.6m-23.6m)	74' - 78' (22.6m-23.8m)	9126	0.001, 0.001
7	205' (62.5m)	87' - 92' (26.5m-28.0m)	87' - 92' (26.5m-28.0m)	9131	0.012, 0.002

Interpretation of Results

1984 drilling has indicated that the vein explored by A1 and A2 is in fact the same vein and that widths, as examined underground, in the workings and those encountered in drilling are similar, confirming structural continuity between the two elevations. The strike of the

vein has been proven beyond the end of the A2 adit and a total strike length now exists of 1016' (310m). Indications are, from surface outcrops, that this strike length may be extended to the east and west. A 30' (9.1m) offset, as evidenced in drilling, may in part be controlled by an interpreted "horizontal fault". This fault is indicated in Drill Holes 1, 2, and 7. A N/S fault (east block down) with its surface expression at Drill Site #2 indicates an offset of 19' (6m) on surface.

The grades encountered in the drilling did not duplicate the historical grades present in the A2 adit, reported to be 0.21 oz/ton, (Appendix 3). Above background values were present in Drill Holes 2, 5, and 7. Drill core was assayed by Acme Analytical of Vancouver. Reruns were also assayed by Acme and have confirmed the results. It should be noted that a nugget effect did occur in some assays. A podding effect has been noted in historical writings, (Appendix 3), in the A2 adit. The 1984 drilling appears to have confirmed this effect. It would seem that further studies should be conducted to determine the mineralogical zoning of these lenses and compared to the more interesting 1984 drill intercepts.

Conclusion

The Haida Gold Group is situated on the northern shore of the southern arm of Kootenay Inlet, Moresby Island, Q.C.I., map reference NTS 103C/16E. A 1500' (457.2m) drill program was initiated to test an easterly striking and steeply south dipping replacement quartz vein along strike and to depth. The country rock is primarily Triassic Karmutsen massive Metabasalt. The drill program determined that both the A1 and A2 adits explore the same vein and widths are consistent between the two elevations and along strike. The proven strike length is now 1016' (310m) and the vein appears to be open along strike as well as to depth. Grades in the vein intersections were above background in Drill Holes 2, 5, and 7 and

mineralogy should be determined on these sections and compared to the mineralogy of mineralized zones in A2 to determine any zoning relationships to lenses.

The core is stored at the campsite on the property.

References

1. Geological Road Atlas of British Columbia,
B.C. Department of Mines
2. B.C. Department of Mines - Annual Report 1934,
pp B3 & B4. ('Haida Gold Mines, Ltd.')

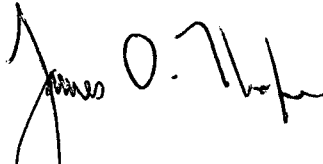
Appendix 1

Authors Qualifications

I, James O. Thorpe, do hereby certify that:

1. I, James O. Thorpe am a geologist employed by Cusac Industries Ltd. with an office at 330-890 W. Pender Street, Vancouver, B.C.
2. I am a graduate of the University of Alberta with a B.Sc. (Spec.) Geology degree in 1982.
3. I have practiced my profession since 1982.
4. I was the project geologist in charge of this program and present on the property from start to finish.

Respectfully submitted,



James O. Thorpe, B.Sc.

March 15th, 1985

Appendix 2

Cost Summary

On the following page is a receipt for \$40,421.00. This figure represents 1102' (335.9m) of diamond drilling by Adanac Consulting and Drilling Ltd. of Stewart, B.C. The total drill program totalled 1500' (457.2m), however, this portion of the program will suffice for the present reporting period.

ADINAC CONSULTING & DRILLING LTD.

Box 679

STEWART, B.C. VOTIWO

DATE DEC 31 1984

ORDER NO.

DEPT.

OLD TO USAC INDUSTRIES LTD.

SHIP TO

"HAIDA PROJECT"

330-890 W PENDER

VANCOUVER, B.C.

SHIPPING DATE	VIA	TERMS	LICENCE NO.	REPRESENTATIVE
---------------	-----	-------	-------------	----------------

1102 FT	DIAMOND DRILLING @ 35.00/FT			38 576.00
	COST PLUS:			
38 HR	MOVING BETWEEN SITES @ 14.00/HR			1 520.00
3 HR	WATER LINE @ 40.00/HR			120.00
2 HR	REAMING @ 40.00/HR			80.00
2 HR	CASING @ 40.00/HR			80.00
	CORE BOXES			616.00
	5 LEDUC 24 HRS @ 15.00/HR (BUILDING SITES)			435.00
	TOTAL			41 421.00
	ADV. (TRIP TO VANCOUVER)			1 000.00

C.K.

THANK YOU

[Signature]

12510

TOTAL 40,421.00

Appendix 3

Haida Gold
Mines, Ltd.

This company, with registered office at 612 Standard Bank Building, Vancouver, was incorporated in May, 1933, as a private company and later as a public company with an authorized capitalization of 2,000,000 shares of no par value; 400,000 vendors' shares have been issued at 10 cents and 620,000 shares sold at 10 cents. The holdings consist of ten claims located on the South arm of Kootenay harbour, Moresby Island, and are reached by steamer from Vancouver or Prince Rupert to Queen Charlotte City; thence about 30 miles by launch to Kootenay harbour. A good trail extends for about 1 mile from the beach to the showings between elevations of 300 to about 1,000 feet.

The topography of the area is characterized by comparatively steep, rugged, and timbered mountain and ridge slopes to elevations of from 3,000 to about 4,500 feet. In some places, generally marking variations in formation, the steep slopes are bordered by a low-lying, hilly topography. The formation is composed of a belt of andesitic volcanic rocks contiguous to dark calcareous and sandy sediments. The mineralization consists of comparatively erratic quartz-replacement veins with generally tight walls, occurring in the volcanic rocks. The veins strike about east-west, dip steeply south, and are very sparsely mineralized with pyrite, chalcopyrite, and native gold in erratic distribution.

The property was staked as the Rupert group in 1930 by E. C. Stevens, of Skidegate, and is partly a restaking of the old *Blue Mile* group and referred to under that heading in the Annual Reports for the years 1920, 1922, and 1923. In 1922 the old *Blue Mile* owners, after carrying out some stripping and open-cutting, built a 100-foot flume, a 14½-foot water-wheel with an 8-foot drive-pulley, four ore bins, suitable housing, and erected a Ross amalgamating-mill. Some gold was recovered with this equipment, but operations soon ceased. In the 1933 Annual Report the properties are referred to under the heading of Kootenay group.

Surface cuts and stripping show the veins to be brecciated and reticulated in structure and from 6 inches to about 6 feet wide, with varying degrees of silicification and a tendency to stringer into the walls. Surface exposures show characteristic sparse mineralization with pyrite, chalcopyrite, and some gold in erratic distribution. The gold is sometimes fairly coarse and visible, but is generally too fine to be detected by the naked eye. From some sections of the vein where gold is not visible it can be panned from the finely crushed quartz. The greater part of the work is being done on what is known as "C" vein. Several veins have been traced for about 100 to 500 feet on the surface.

Exploratory operations by the present company were started in 1933 and continued to the late fall of 1934, when lack of funds necessitated cessation. The work done included surface stripping, trenching, underground drifting, and crosscutting in two adits, with detailed sampling. Operations have been carried out under the management of A. H. Ingraham. At an elevation of about 445 feet "C" vein was drifted on in No. 1 adit for a distance of about 200 feet in an easterly direction. This work shows the characteristic vein-structure and mineralization with vein-widths varying from about 16 to 48 inches, and several branch veins entering the foot-wall. Visible gold in fine distribution was encountered at intervals between the portal and the face of this working, and detailed sampling carried out by the management shows values varying from 0.02 to 1.42 oz. gold per ton, with an average assay value for the length of the working reported to be 0.214 oz. gold per ton across a width of

20 inches. Values seem to be distributed in short lengths or lenses. An analysis of the company assay-plan shows seven of these lenses or pockets in No. 1 adit. Starting from the portal, these are as follows:—

	Gold Oz. per Ton.
Length, 15 feet; width, 18.6 inches.....	0.56
Length, 15 feet; width, 20 inches.....	0.068
Length, 20 feet; width, 35 inches.....	0.435
Length, 10 feet; width, 45 inches.....	0.259
Length, 10 feet; width, 39 inches.....	0.128
Length, 5 feet; width, 38 inches.....	0.21
Length, 40 feet; width, 17.75 inches.....	0.23
Length, 30 feet; width, 21.8 inches.....	0.257
Face: Length, 5 feet; width, 22 inches.....	0.145

These lenses are spaced respectively 15, 20, 10, 10, 10, 10, 35, and 20 feet apart. A summary of these lenses shows a total of 160 feet, averaging 28.57 inches wide, assaying 0.303 oz. gold per ton.

At an elevation of about 218 feet, or 220 feet below No. 1 level, a crosscut adit (No. 2) is reported to have intersected "C" vein at a distance of about 387 feet from the portal, showing at this intersection a width of 30 inches of solid quartz and about 60 inches of small quartz veins and stringers. The vein was drifted on for 50 feet to the east and about 70 feet to the west, exposing characteristic structure with some mineralization. According to the company assay-plan, the east drift shows generally low values, and one possible lens, 10 feet long and 28 inches wide, assaying 0.217 oz. gold per ton. In the face of the east drift the vein is reported to be 22 inches wide, assaying 0.4 oz. gold per ton. According to the mine assay-plan, the west drift on this level also shows generally low values, and one possible lens, 15 feet long and 30 inches wide, assaying 0.19 oz. gold per ton, with the vein in the face, 40 inches wide, assaying 0.05 oz. gold per ton.

On account of the values in this deposit being in the form of free gold in erratic distribution, it is deemed advisable that the channel-sampling should be checked by bulk samples of, say, 1 ton each, which could be shipped to a smelter or to the ore-testing laboratory at Ottawa for value determination. These samples should be taken from several of the short lens-lengths in both adits. Providing this bulk-sampling offers sufficient encouragement regarding values, several other veins which occur on the property would be worth further exploration, and the continuation of the No. 1 adit to explore the section below the higher-grade

Appendix 4

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: JAN 15 1985

DATE REPORT MAILED: *Jan. 18, 1985*

ASSAY CERTIFICATE

SAMPLE TYPE: ROCKS & CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

CUSAC INDUSTRIES LTD

FILE # 85-0049

PAGE 1

SAMPLE#	Ag** oz/t	Au** oz/t
84-HR-17	.01	.012
84-HR-18	.03	.039
84-HR-19	.01	.001
84-HR-20	.04	.170
84-HR-21	.01	.001
84-HR-22	.01	.002
84-HR-23	.01	.003
84-HR-24	.01	.001
84-HR-25	.01	.001
84-HR-26	.01	.001
84-HR-27	.01	.149
9051	.01	.001
9108	.01	.001
9109	.01	.003
9110	.01	.001
9111	.01	.002
9112	.01	.001
9113	.01	.009
9114	.01	.022
9115	.01	.001
9116	.01	.001
9117	.03	.001
9118	.01	.001
9119	.01	.001
9120	.01	.001

SAMPLE	Au** oz/t
M 9101	.001
M 9102	.001
M 9103	.001
M 9104	.001
M 9105	.001
M 9106	.001
M 9107	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED JAN 21 1985

DATE REPORTS MAILED

Jan 25/85

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

CUSAC IND. FILE# 85-0049 R

PAGE# 1

SAMPLE	Au** oz/t
9113	.026
9114	.034
9117	.002
9118	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JAN 21 1985

DATE REPORTS MAILED

Jan 25/85

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

CUSAC IND. PROJECT HIADA FILE# 85-0076A PAGE# 1

SAMPLE	Au** oz/t
9121	.001
9122	.001
9123	.001
9124	.052
9125	.003
9126	.001
9127	.001
9128	.001
9129	.001
9130	.001
9131	.012
9132	.002
9133	.001
9134	.001
9171	.001
9172	.001
9173	.001
9174	.001
9175	.712
9176	.755
5201	.004
5202	.001
5203	.001
5204	.001
84-HR-30	.001
84-HR-31	.079
84-HR-33	.007
FLOAT#1 25M	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED FEB 5 1985

DATE REPORTS MAILED *Feb 11/85*

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

SAMPLE	-200mesh	+200mesh	Combined Grade	PAGE#
	Au** oz/t	Au** mg	Au** oz/t	
9124	.057	.042	.059	
9125	.002	.002	.002	
9126	.001	.001	.001	
9131	.002	.002	.002	
84-HR-30	.001	.001	.001	
84-HR-33	.003	.001	.003	

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED FEB 5 1985

DATE REPORTS MAILED

Feb 11/85

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

CUSAC INDUSTRIES LTD FILE# 85-0049 R PAGE# 1

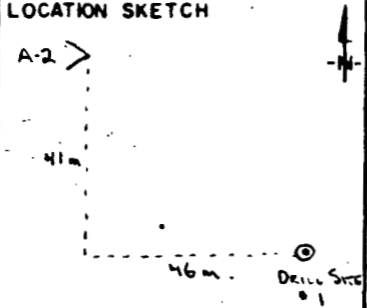
SAMPLE	-200mesh	+200mesh	Combined Grade
	Au** oz/t	Au** mg	Au** oz/t
9113	.011	.018	.015
9114	.016	.045	.027
9117	.001	.001	.001
9118	.001	.002	.002

Appendix 5

EXPLORATION
WESTERN CANADA

DRILL LOG

HOLE NO. 84-1

DRILLING CO. ADARAC CONSULTING & DRILLING.	LOCATION SKETCH 	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: DEC 15 th 1984	PROJECT: HANA GOLD
		COLLAR	-35	354	DATE COMPLETED: 16 th	N.T.S.: 103 C/16E
HOLE TYPE					COLLAR ELEV.: 500'	LOCATION: KOOTENAY MOUNTAINS Q.C.I., B.C.
					NORTHING:	Drill Site #1
					EASTING:	
					AZIMUTH:	
					DEPTH: 202'	DATE LOGGED:
					CORE SIZE: NQ	LOGGED BY: JOT

INTERVAL		ROCK TYPE	DESCRIPTION						STRUCTURE		REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMYGDALETS FILLED WITH	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC)	MINERALIZATION, TYPE, AGE RELATIONS
1'		BASALT	GREY/GREEN BLACK	MASSIVE	AMYGDALETTAL	CHLORITIC	-	IRREGULAR	QZ/PRENITE CHLORITE	KARMUSEN Volc. - MAGNETIC.	
										@ 6' - thin calcite veinlet.	
										10' - 2-1/4" Qtz veinlets	
										11.5' - 1-1/4" "	
										* 21' - Sphalerite	
										25.5' - 1-1/4" Qtz veinlet	
										30'-32' - calcite/chlorite veinlets	
	36 1/2'										
	36 1/2'										
	45 1/2'										
	45 1/2'										
	48 1/2'										

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMYGDALIDS (filled w/) QZ, PREHNITE, CHLORITE	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
48 1/2'		BASALT	GREEN/GREY BLACK	MASSIVE	AMYGDALOID	CHLORITIC		[]		KARLSTADT Volc. - MAGNETIC.	
	53 1/2'									- veinlets all 1mm wide and are calcite.	
53 1/2'								in.		* @ 72' - core is greasy and heavily chloritized	
	82'									91-92' - core is broken up.	
82'		BASALT BRECCIA	REDDISH BLACK.						QZ/PREHNITE	- increasing concentration of amygdaloids towards 85'	
										- probable flow banding.	
										@ 89' - QZ/Calcite veins 2-2 1/2" wide w/whole frag.	
										92' - 6" " " vein	
										95' - 2" " " vein	
										@ 102' - 117' less red color decreasing to 117'	
	117'										
117'			GREEN/GREY BLACK.					[in]		@ 119' - 2-1/2" calcite veinlets	
										120' - 1-1/2" QZ vein w/ x-cutting calcite veinlet	
										core broken up.	
										@ 126' - 7" zone w/ QZ/Calcite vein w/whole frag. @ 70°	
								[]		@ 129' - 133'	
	133'										

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMPHIBOLITES FINED w/ Chlorite Qtz, Pyrite	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
133'		Basalt	REDDISH BLACK	MASSIVE	AMPHIBOLITIC	Chlorite		[]			* @ 134 drillers lost circulation
	142'										
142'							<5% Py	[]			Shear zone - Qtz w/ calcite veinlets. - @ 144 1/2' - small calcite vein w/ <5% Py. * @ 145 1/2' - core is greasy.
	146'										
146'			RED/Pk.					in	Qtz/Pyrite		
	148'										
148'			GREEN/GREY BLACK					in	Chlorite Qtz, Pyrite		
	151'										
151'											Qtz breccia zone → 6" wide w/ wide fog.
	152'										
152'			lighter green grey - blk.					in			@ 153 - 1/2" white veinlets 155 1/2' - " " " " 173 - 4-6" Qtz vein w/ <5% Py (Py x ^{als} 1mm-5mm) - from 172 - 174 1/2" * 177' - greasy. 177 1/2' - small Qtz vein.
	176 1/2'										

DRILL LOG

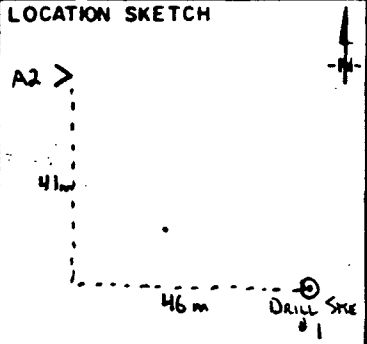
INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE (FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	REMARKS MINERALIZATION, TYPE, AGE RELATIONS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	<i>Amorphous</i> <i>siliceous</i>		
176 1/2'		Basalt	Reddish Black	Massive	Amagdaloidal Clastic		< 5% py			@ 182' - 4" Qtz vein w/comb structure - py mineralization from * 187' - case is quartz 197' - Qtz breccia zone w/ py - 6" wide - red breccia 60° 199' - slickensides 5-10° 200' - breccia, minor py, 2" Qtz vein py along margin.	
	202										
	202										

DRILL LOG

sample data

S A M P L E					C O R E R E C O V E R Y		V I S U A L E S T I M A T E S (% O R E M I N E R A L S)	A S S A Y R E S U L T S						
N U M B E R	F R O M	T O	T O T A L M E T R E S	S p. G r	%	A M T. L O S T								
9103	45 1/2'	48 1/2'	3'		100									
9101	142'	144'	2'		"									
9102	172	174	2'		"									
9104	180 1/2	184	3 1/2'		"									
9105	199 1/2	201	1 1/2'		"									

DRILL LOG

DRILLING CO. ADANAC CONSULTING & DRILLING	LOCATION SKETCH 	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: Dec. 17 th , 1984	PROJECT: HAIDA GOLD.
		COLLAR	-58	16°	DATE COMPLETED: 18 th	N.T.S.: 103 C/16E
					COLLAR ELEV.: 500'	LOCATION:
					NORTHING:	KOOTENAY INLET, Q.C.I., B.C.
					EASTING:	DRILL SITE #1
					AZIMUTH: 16°	DATE LOGGED:
					DEPTH: 252'	LOGGED BY: JOT
HOLE TYPE					CORE SIZE: NQ	

INTERVAL		ROCK TYPE	DESCRIPTION						STRUCTURE		REMARKS	
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMYGDALOIDES Filled w/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC)	MINERALIZATION, TYPE, AGE RELATIONS	
0		BASALT	GREEN/GREY BLACK	MASSIVE	AMYGDALOIDAL	CHLORITIC		IRREGULAR	QTZ/PRESERVE	KARMUTSED Volc - MAGNETIC THROUGHOUT.		
										@ 9' - 2" Qtz/Fd veinlets		
										12' - white/chlorite veinlet (distinctively green)		
										12 1/2' - "		
	28'		GEOLOGICAL BRANCH ASSESSMENT REPORT									
	28'		13,649									
	42'									@ green veinlets @ 40'-41' (probably narrow vein exp. directly ahead of drill site.)		
	42'							in	chloite	- less amygdaloidal		
										- sand veinlets @ 43' - white		
										50' - "		
										66 1/2' - 1/2" (Qtz)		
	67'											
	67'							in	Qtz/Preserve			
	69'											

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloids (Fused or)	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
69'		BASALT	GREEN / GRAY BLACK	MASSIVE	AMYGDALOIDAL	COLLOIDAL		in	chalcite		
	73 1/2'										
73 1/2'	77							in	Qtz / chalcite	@ 73 1/2' boundary @ 45°	
77	79							in	chalcite		
79	82									@ 80' - Qtz vein w/ wide fragments - 1 1/2" wide.	
82	92							in	chalcite	* - drill lost circulation @ 86'	
92								in	Qtz / chalcite	@ 94' - vein similar in appearance to 80' vein	
										- 4"	
										95' - 8"	
										96' - 1"	
										98' - green vein 1/2" wide down dip of core.	
										* 102' - core broken up w/ FeOx staining	
										* 111' - core greasy & broken up	
	112										

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloidal Fused w/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
112'	115'	BASALT	GREEN/GRAY BLACK	MASSIVE	ANGULATED	CHLORITE		in	chert		
115'	121'		Reddish Black					[]			@ 116 1/2' - 117' - Qtz vein w/ wole frag - FeO staining - wole frag reddish 119' - 2" Qtz vein 119 - 120 - Qtz/Calcite veins 120' - core red (Top of flow?)
121'	152'							[] in	Qtz/PANOLITE		@ 124' end of [] 137' - 1 1/2' of calcitic veinlets 140' - Qtz/Calcite vein (30° z) 141 1/2' - 1 1/2" 142 - 5"
152'	167'							in	chert		@ 154 - core a little broken up.
167'								in			@ 167 - thin green/white vein (0° z) 168 - core broken up. 171 - core split, slickensides 30° z, 45° z on core end, split until 177', clayed

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amphiboles FIBRO. w/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
		BASALT	GREEN/GREY BLACK	MASSIVE	AMYGDALOIDAL	CHLORITIC		m	chloite	@ 182 - core broken up - until 187	
	198'							[]		184 - gas filled veins	
								m		192 - core fractured / fault zone	
198'			2. Gm/Gy blk.					in	chloite	198 - core split - same & slickensides as 181	
223'											
234'		VEIN.					<5% Py.			-4 Qtz veins w/ sharp veinlets in base. Quartz contains volc frag. as are ~ 8" wide	
234'			2. Gm/Gy blk.					in	chloite	@ 235 - Qtz vein 3 1/2" wide 240 - 2 - 6" Qtz veins	
	252'										
 											

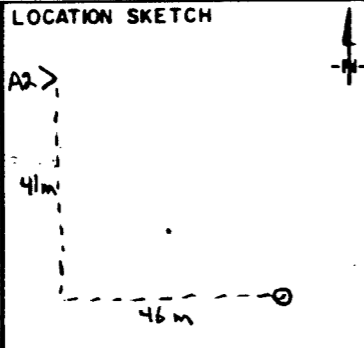
DRILL LOG

sample data

SAMPLE				CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS				
NUMBER	FROM	TO	TOTAL METRES	Sp. Gr	%		AMT. LOST	Au.	Ag.	Au	Au
9108	39	42	3'		100%			.001	.01		
9106	78½	82	3½'		100			.001	.01		
9107	94	96½	2½'		100			.001	.01		
9109	116	117	1'		100			.003	.01		
9110	118	122	4'		100			.001	.01		
9111	139	142	3'		100			.002	.01		
9112	184	186	2'		100			.001	.01		
9114	222	227	5'		100			.022	.01	.034	.015
9113	227	232	5'		100			.009	.01	.026	.027
9115	237	241	4'		100			.001	.01		
9116	242	245	3'		100			.001	.03		

DRILL LOG

HOLE NO. 84-3

DRILLING CO. ADONAL CONSULTING & DRILLING	LOCATION SKETCH 	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: Dec 19th, 1984	PROJECT: HAIDA GOLD
		COLLAR	-40	310°	DATE COMPLETED: 20th	N.T.S.: 1032/16E
					COLLAR ELEV.: 500'	LOCATION: KOOTENAY INLET, O.C.I., B.C.
					NORTHING:	DRILL SITE #1
					EASTING:	
					AZIMUTH: 310°	
					DEPTH: 270	DATE LOGGED:
					CORE SIZE: NQ	LOGGED BY: JOT

INTERVAL		ROCK TYPE	DESCRIPTION						STRUCTURE	REMARKS		
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloids Filled w/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC)	MINERALIZATION, TYPE, AGE RELATIONS	
0		BASALT	GREEN GREY BLACK	MASSIVE	Amygdaloidal	Chloritic		in	Qtz/Pyrite	KARLUTSEN VOLC. - MAGNETIC.		
		GEOLOGICAL BRANCH ASSESSMENT REPORT										
		13,649										
	57'									@ 0-11' - FeO - decreasing # of amygdaloids towards 28'		
										@ 30' - 1/2" white vein 48' - 1/2" Qt vein <5% Py 57' - 1" Calcite vein <5% Py - 25°		
	75'									@ 75' - 1 1/2" green/whit vein - 60°		
	75											
	106								Qtz/Pyrite			

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amorphous Frags	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC.)	MINERALIZATION, TYPE, AGE RELATIONS
106'		Basalt.	grey Blk.	Massive	Amorphous	Chalite		in	Chalite	@ 106 1/2' - 1/2" Qtz vein w/ 60° * 109' - low split (25-30°)	
	145'										
145'								in		@ 164 1/2' - 4-1/4" chalite veins	
	200'										
200'			redish Blk.					[]		* @ 200' - core broken up. 204' - core vein broken up. 207' - 2" chalite veins. 207 1/2' - core vein broken up & clayish - green veins	
	230'										
230'								in			
	250'										
250'		vein								- 251-260 - 3 Qtz zones w/ fracture veins in between	
	260'										
260'									Chalite	- core broken up - clayish - green veins	
	270'										

DRILL LOG

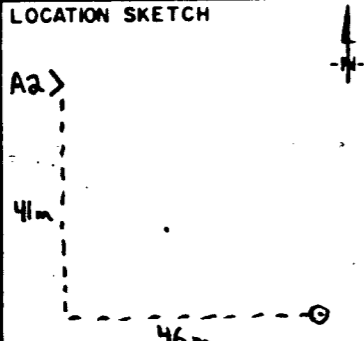
sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS			
NUMBER	FROM	TO	TOTAL METRES	Sp. Gr	%	AMT. LOST		Au	Ag	Au	Au
9120	74	77	3'		100		.001	.01			
9119	106	110	4'		100		.001	.01			
9117	250	255	5'		100		.001	.03	.002	.001	
9118	255	260	5'		100		.001	.01	.001	.002	

EXPLORATION
WESTERN CANADA

DRILL LOG

HOLE NO. 84-4

DRILLING CO. ADANAC CONSULTING & DRAWING.	LOCATION SKETCH 	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: DEC 21 st , 1984	PROJECT: HAIDA GOLD.
		COLLAR	-30	0	DATE COMPLETED: 21 st	N.T.S.: 103C/16E
					COLLAR ELEV.: 500'	LOCATION: KOOTENAY INLET, Q.C.E., B.C.
					NORTHING:	Drill Site #1
					EASTING:	
					AZIMUTH: 0	
					DEPTH: 152'	DATE LOGGED:
					CORE SIZE: NQ	LOGGED BY: JOT.

INTERVAL		ROCK TYPE	DESCRIPTION						STRUCTURE	REMARKS	
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMYGDALOIDES (FILLED W/)	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC.)	MINERALIZATION, TYPE, AGE RELATIONS
0	36'	BASALT.	GREEN/GRAY BLACK.	MASSIVE	AMYGDALOIDAL	CHLORITIC		IRREGULAR.	Chalite	KARLSTEN VULC - MAGNETIC.	
36'	38'	GEOLOGICAL BRANCH ASSESSMENT REPORT									
38'	41'	13,649									
41'	42 1/2'	Vein							Chalite	1 1/2" Qtz/Calcite/Chalite vein w/ v. fine fmg.	
42 1/2'	94'							[] in		@ 46' - 51 1/2' 48' - 2 1/2" green/white vein 69' - slickensides 40° E, 12° → ⊙ 83' - core broken up w/ Qtz/Chl. - slickensides 12° → ⊙	

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloidal (filled w/)	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
94'			GREEN/GREY BLACK	MASSIVE	ANGULAR	CHLORITE		in	Qtz/Plagioclase		
	121'										
121'			REDDISH BLACK					[]	Qtz/Plagioclase	@ 124 - very distinct red zone (fault boundary?) - calcite vein 124 1/2 - calcite veinlet 125 1/2 - 1 1/2" Qtz vein	
	135'										
135'		VEIN-								- 70° S - first Qtz zone 3" @ 136 - loose - broken up 137-138 - Qtz w/ calcite frag.	
	138'							[]			
	142'							in	Qtz/Plagioclase		
142'										calcite @ 148 - core broken up + greasy	
	151'										

DRILL LOG

sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS							
NUMBER	FROM	TO	TOTAL METRES	Sp. Gr	%	AMT. LOST		Au.							
9121	48'	50'			100			-001							
9122	137'	140'			100			-001							

DRILL LOG

HOLE NO. 84-5

DRILLING CO. ADANAC CONSULTING & DRILLING.	LOCATION SKETCH A2 > 41m 117m 3m DRILL SITE #2	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: Dec 23 rd , 1984	PROJECT: HAIDA GOLD.
		COLLAR	-43°	330°	DATE COMPLETED: 26 th	N.T.S.: 103C/16E
HOLE TYPE					COLLAR ELEV.: 475'	LOCATION:
					NORTHING:	KOOTENAY INLET, Q.C.I., B.C.
					EASTING:	DRILL SITE #2
					AZIMUTH: 330°	DATE LOGGED:
					DEPTH: 252'	LOGGED BY: JOT.
			CORE SIZE: NO			

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Any other features w/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC)	MINERALIZATION, TYPE, AGE RELATIONS
0	24'	BASALT.	GREEN GREY BLACK	MASSIVE	ANGULAR	CLONITIC		IRREGULAR	ch. white	KARLUTSEN VOLC. - MAGNETIC.	
24'	36'							in	ch. white		
36'	49'	GEOLOGICAL BRANCH ASSESSMENT REPORT									
49'	73'	13,649									
73'	74'							[]	ch.	@ 50' - 53' green/white vein	
								[]	ch.	73' - 75' - Q5/ch vein w/ scale frag.	

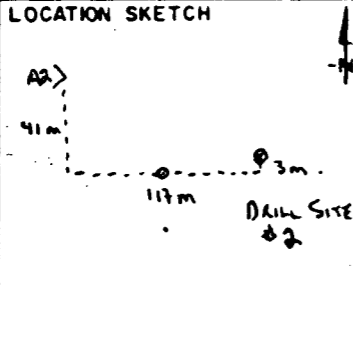
DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloids Filled w/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	MINERALIZATION, TYPE, AGE RELATIONS
78		Basalt.	Green/gray Black	Massive	Amygdaloidal	White		in	chl.	@ 91' - 2" - Qtz/chl. vein. (gm)	
	115										
115		Vein					<5% Py			- good vein sample (early in drilling.)	
	120							[]	chl		
	121										
121			Reddish Blk.					in	Qtz/Pyrite		
	147										
147								in	Qtz/Pyrite		
	155										
155								in	chl.		
	180										
180			Reddish Blk.							6" wide Qtz vein	
	184										
184 1/2								in	chl		
	205										

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE (FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	REMARKS MINERALIZATION, TYPE, AGE RELATIONS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloids Filled w/		
205		BASALT.	GREEN/GRY BLACK.	MASSIVE	AMYGDALOIDAL	CLORITIC.		in	Qty / Permits	@ 205 - 4" wide	
										206 - "	
										207 - "	
										208 - slickensides, rock broken up.	
	217										
217								in	white	@ 217 - slickensides, w/ core broken up.	
										220 - v	
	222										

DRILL LOG

DRILLING CO. ADANAC CONSULTING DRAILLING	LOCATION SKETCH 	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: Dec 26 th , 1984	PROJECT: HAIDA GOLD.
		COLLAR	-30	5	DATE COMPLETED: 27 th	N.T.S.: 103C/16E
					COLLAR ELEV.: 475'	LOCATION: KOOTENAY INLET, Q.C.I., B.C.
					NORTHING:	DRILL SITE #2
					EASTING:	
					AZIMUTH: 5	
					DEPTH: 167'	DATE LOGGED:
					CORE SIZE: NO	LOGGED BY: JOT.

INTERVAL		ROCK TYPE	DESCRIPTION						STRUCTURE		REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMYGDALOIDES FILLED W/	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC)	MINERALIZATION, TYPE, AGE RELATIONS
0	13'	BASALT.	GREEN/GRY BLACK.	MASSIVE	AMYGDALOIDAL	CHLORITIC				KARMTUSEN VOLC. - MAGNETIC. - core broken up.	
13	33'						IRREGULAR	dl.		@ 12' - 2" vein.	
33	34 1/2'						m	Qtz/Pyrite			
34 1/2'	74'						m	dl.		@ 62' - 1/4" albite vein 2' long (lengthwise to core)	
74'	77 1/2'	Vein								3 1/2' in core, Qtz w/ calc frag.	
77 1/2'	87'						m	dl		@ 84 1/2' - 2" Qtz vein (greenish)	

13,649

GEOLOGICAL BRANCH
ASSESSMENT REPORT

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE (FRACTURES, FAULTS, FOLDING, BEDDING, ETC):	REMARKS MINERALIZATION, TYPE, AGE RELATIONS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Amygdaloids filled w/ Qtz + Pyrite chlorite		
87'	89	Basalt	Grey blk	Medium	Amphibolitic	Chlorite		in		- 1/2" wide vein 30°	
89	101								dl		
101	111							in		@ 111 - core heavily broken up - 1/2" Qtz veins	
111	130							[in]	dl		
130	167							in	dl	@ 137' - 6" Qtz vein w/ fracture of calc veins surrounding 141 - 2" Qtz vein w/ frag.	

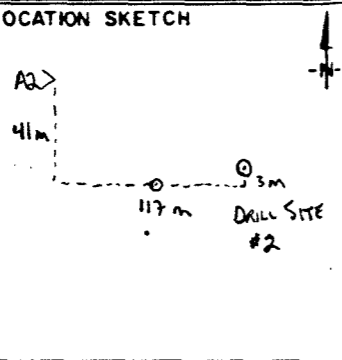
EXPLORATION
WESTERN CANADA

DRILL LOG

sample data

S A M P L E				C O R E R E C O V E R Y		V I S U A L E S T I M A T E S (% O R E M I N E R A L S)	A S S A Y R E S U L T S					
N U M B E R	F R O M	T O	T O T A L M E T R E S	S p. G r	%		A M T. L O S T	A _u	A _u			
9126	74	78	4'		100		-001	-001				
9127	135 1/2	138	2 1/2		100		-001					

DRILL LOG

DRILLING CO. ADAMC CONSULTING & DRILLING	LOCATION SKETCH 	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: DEC 27th 1994	PROJECT: HAIMA GOLD
		COLLAR	-40°	348°	DATE COMPLETED: 28th	N.T.S.: 103C/16E
HOLE TYPE					COLLAR ELEV.: 475'	LOCATION: KOOTENAY INLET, Q.C.T., B.C.
					NORTHING:	DRILL SITE #2
					EASTING:	
					AZIMUTH: 348°	
					DEPTH: 205'	DATE LOGGED:
					CORE SIZE: NQ	LOGGED BY: JOT.

INTERVAL		ROCK TYPE	DESCRIPTION						STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	AMPHIBOL/CLAY (FILLER W.)	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC)
0	15.6	BASALT.	GREEN/BLACK	MASSIVE	Amphibol	Chlorite				KARMUTSEN Volc. Formation - Broken up vein 15 1/2'
15 1/2							in	chl.	@ 25' - vein broken up and - chert 31 1/2' - 2" chert (green) vein.	
<p>GEOLOGICAL BRANCH ASSESSMENT REPORT</p> <p>13,649</p>										
32'							in	chl.		
32'	41'						in	chl.		
41'	46'						in	chl.		
46'							[]	[]	@ 47' - green vein 1 1/2' wide less veinlets to 55' from 53 1/2'	
	55'									

DRILL LOG

INTERVAL		ROCK TYPE	DESCRIPTION							STRUCTURE	REMARKS
FROM	TO		COLOUR	GRAIN SIZE	TEXTURE	ALTERATION	ORE MINERALS	FRACTURES PER METRE	Any other features	(FRACTURES, FAULTS, FOLDING, BEDDING, ETC.)	MINERALIZATION, TYPE, AGE RELATIONS
55	60	Basalt.	GRN/GY BLK.	Massive	Amphibole 01	Chlorite			dl.		
60	73	Fault.							[]	* @ 60' - calc veins - core broken up slightly 67' - chlorite + v. broken up.	Qtz/Calcite throughout.
73	82		Reddish BLK.						[] dl.		
82'	110	Fault.								* - @ 105-107 competent 116' - 3" Qtz. 117-119 very broken up 131-132 - red w/ calc frag.	
110	133										
133	137								[]	Qtz/Calcite	
137	207									@ 137 - 7" quartz vein 143 - 4" Quartz vein, broken up. * 157 - core broken up 165 - core " 194 - Siderite 50° 3', 75' end. 206 - 2" Qtz vein - drill hole no 84-7	

Appendix 6



CUSAC INDUSTRIES LTD.

HAIDA GOLD PROJECT

SUBJECT: BASE MAP Plan Map #1 GEOLOGICAL BRANCH
DRAWN BY: JOT ASSESSMENT REPORT
DATE: 85.2.6
SCALE: 1 cm = 100m

13,649