85-275-13634
4/86

DIAMOND DRILL REPORT

FOR THE NATCH 1-4 CLAIMS

BOSTON BAR AREA, B. C.

New Westminster, M. D.

NTS 92I/4E

Latitude 50°02'N Longitude 121°36'W

Date of Work: September 29 - Nov. 28, 1985
Owner: Hudson Bay Exploration & Development Co. Ltd.
Operator: Hudson Bay Exploration & Development Co. Ltd.
Report by: K. J. Taylor, B.Sc. Geol.
Date of Report: March 1985.

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NATCH DRILLING REPORT

Introduction:

The Natch 1-4 claims were part of a group of contiguous claims near Keefers, B. C. optioned from Caara Ventures Inc. and Sheen Minerals Inc. in the spring of 1984. The purpose of the option was to investigate an area of anomalous gold geochem and auriferous skarn bands associated with a zone of shearing in chlorite and argillaceous schists.

The property is located on a steep south facing slope straddling an unnamed creek referred to locally as Goldenlatch Creek. An old showing at the 850 meter (2800 ft) level on Goldenlatch Creek was the main focus of the program, culminating in the drilling of four NQ diamond-drill holes (428 meters total) which are the subject of this report. The work was carried out from September 29 to November 14, 1984 when adverse weather conditions forced termination of the program.

Location & Access:

The Natch 1-4 claims are situated in southwestern B. C. immediately north of the Nahatlatch River and east of Log Creek about 3 km. west of the Fraser River (see Fig. 1 & 2). Boston Bar is approximately 19 km. to the south and Lytton about 25 km. to the north. The claims are on N.T.S. mapsheet 92 1/4E (Lytton) at a latitude of 50°02'N and longitude 121°36'W. They are wholly within the New Westminster Mining division just south of the boundary with the Kamloops division.

Access is available by four-wheel drive vehicle by a newly constructed bush road (3.2 km.) which links up with a B. C. Forest Service road to the Nahatlatch Lookout (8 km.). This in turn, links up with a major all-weather logging road to the town of North Bend some 30 km. by road to the south. An aerial ferry (soon to be replaced by a bridge) is taken from North Bend across the Fraser River to the Trans Canada Highway at Boston Bar, 1 km. to the south. Alternatively, the property can be reached from Lytton via a ferry (10 ton capacity), 2 km. north of town, to the west bank of the Fraser and then along a rough gravel road approximately 40 Km. to the junction of the Lookout Road. A good gravel haulage road also runs along the Nahatlatch River and Log Creek giving access to the southern part of the Natch claims.

Claims and Ownership:

Hudson Bay Exploration and Development Co. Ltd. holds title to a total of 64 units in the Natch 1-4 Group (see Fig. 2) as follows:

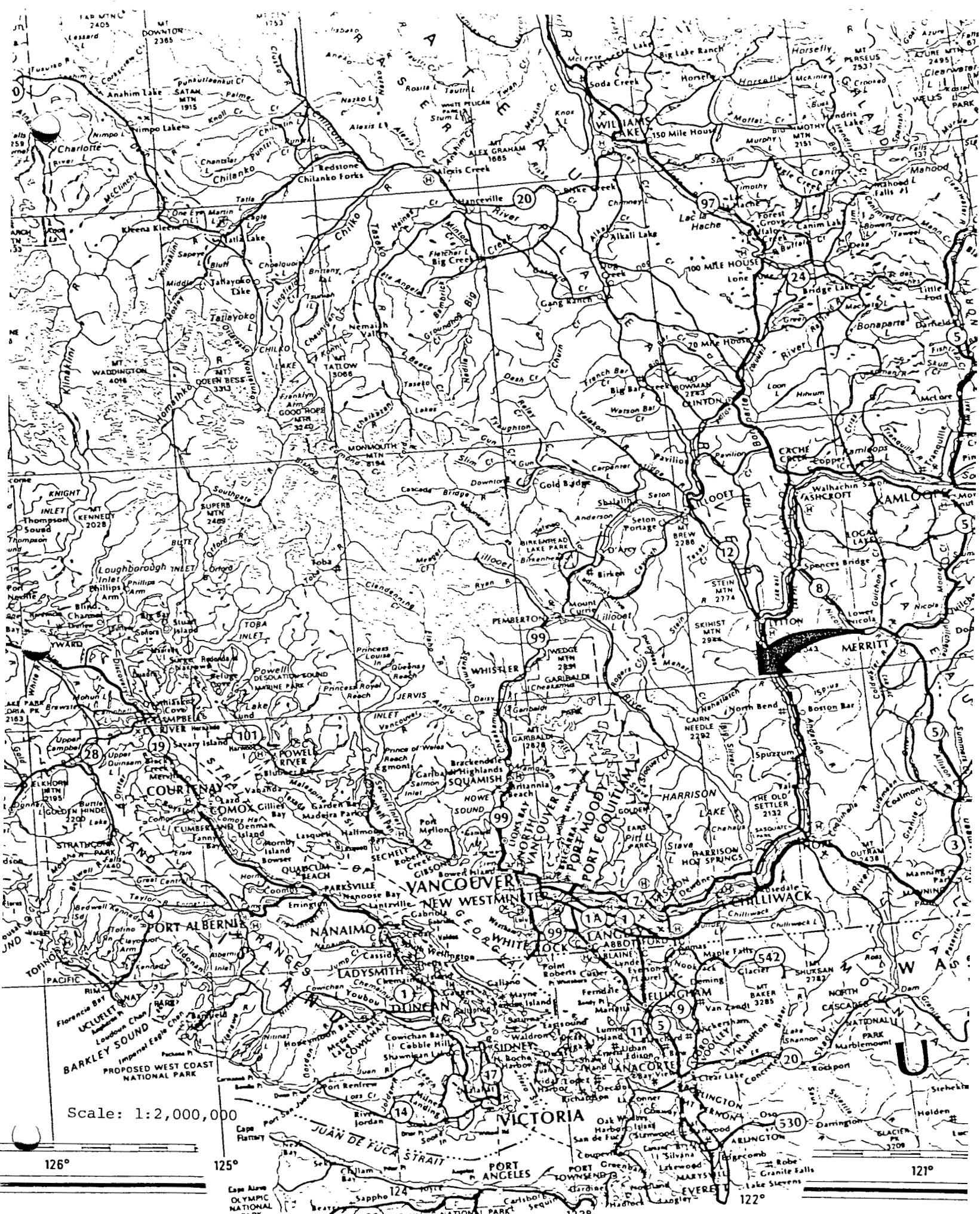


Fig. 1 Property location map - Boston Bar Project, B.C.

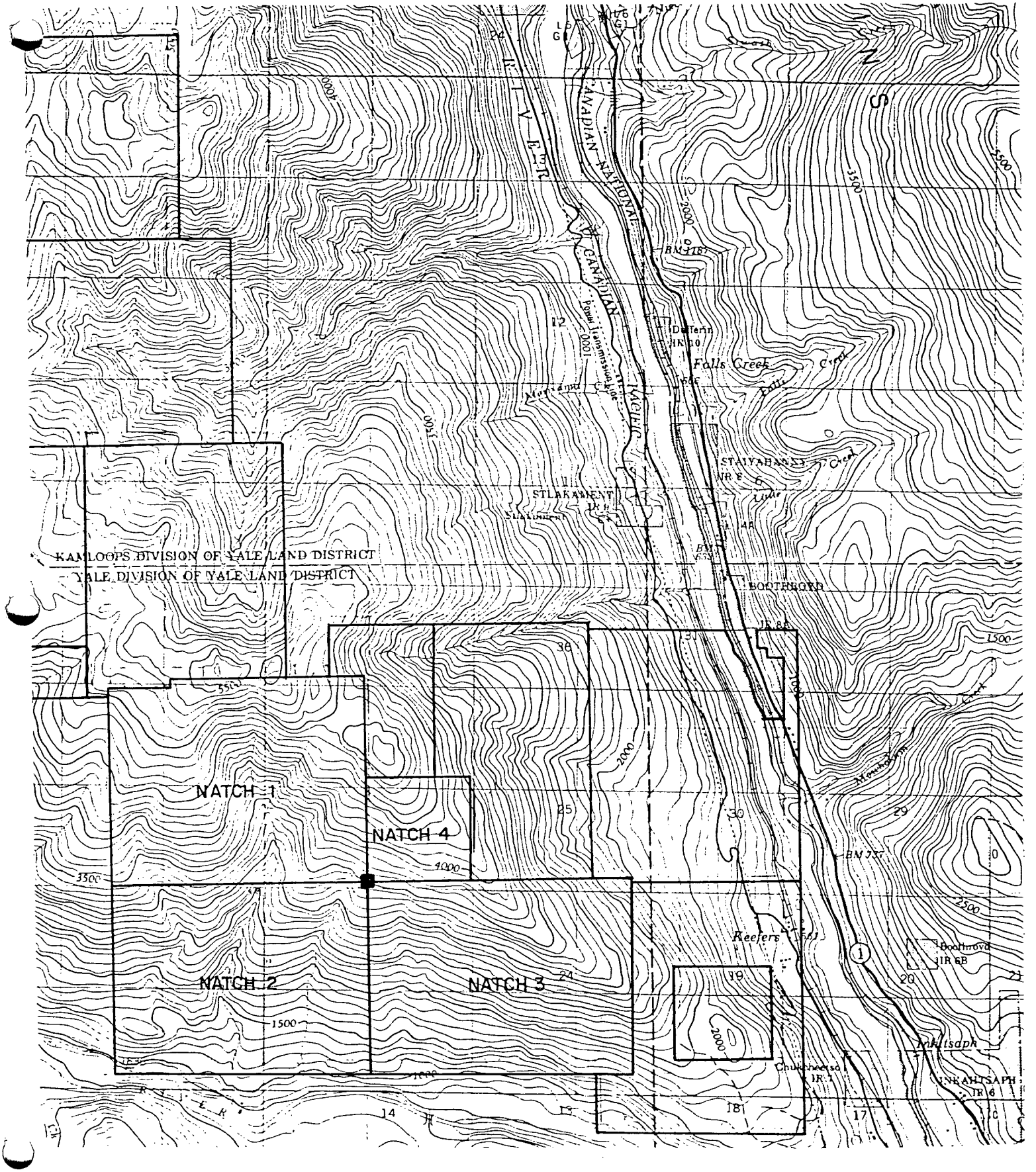


Fig. 2 Claim location map, Natch 1-4, Boston Bar area, B.C.

Name	Units	Record No.	Record Date	Expiry Date	Mining Div.
Natch 1	20	1288	Sept. 28/81	Sept. 28/86	New West.
Natch 2	20	1289	"	Sept. 28/85	"
Natch 3	20	1290	"	"	"
Natch 4	4	1291	"	Sept. 28/87	"

These claims are wholly owned by Hudson Bay while under option from Sheen Minerals Inc. of Vancouver, B. C.. Hudson Bay has also been the operator for all work being applied for assessment at this time.

History:

In 1894, G. M. Dawson (1896) of the Geological Survey of Canada mapped the rocks along the Canadian Pacific Railway in the Keefers area (4 km. east). Shortly thereafter, a flurry of activity for placergold along the Fraser River occurred in this area. Presumably some of this interest sparked similar activity on the Nahatlatch River and Log Creek areas.

By the 1930's sufficient interest occurred in the Nahatlatch area to warrant more detailed mapping by Horwood in 1935.

From 1945-47, S. Duffel and K. C. McTaggart carried out reconnaissance mapping of the entire area as part of their report on the Ashcroft Map-area (1952).

Recently (1980), the Geological Survey conducted reconnaissance geochemical stream sediment programs in southwestern B. C., the results of which sparked renewed interest in this area. In 1981, J. M. T. Services staked the NATCH claims to cover one of these anomalous areas. In the fall of 1983, Caara-Sheen did prospecting in this area and discovered the Goldenlatch Zone. They subsequently purchased the claims outright from J. M. T. and then optioned the ground to Hudson Bay Exploration and Development in February of 1984. From that time to the present Hudson Bay has been owner-operator on the property.

Economic Geology

The Natch claims occur in a tongue of metamorphosed sediments and possibly greenstones which extend into the eastern margin of the Coast Plutonic Complex (Coast Range Mountains). The age of the rocks is uncertain however they are believed to be correlative with the probable Jurassic Ladner Group rocks which occur near the Carolin Gold Mine to the south. Clastic sediments (argillites and siltstones) and possibly some volcanics have been locally metamorphosed to mica schists and phyllites. In the vicinity of the Natch claims they contain a series of limy interbeds which have undergone contact metamorphism adjacent to a granodiorite plug. The resulting microcline - actinolite "skarn" shows enrichment in

gold which around the Goldenlatch showing is bordering on economic values under more favorable gold prices. Arsenopyrite appears to be the primary host sulphide carrying up to 0.205 oz/t. gold over greater than 1 meter drill intercepts. When lower grade mineralization either side of this intercept is included a fairly sizable intersection results: 5.48 meters (3.52 m true width) of 0.118 oz/t. gold and 0.14 oz/t. silver.

Drilling

Between September 29 and November 14, 1984 a total of 428 meters (1405 ft.) of NQ diameter core was drilled on the Goldenlatch Zone. Severe winter weather conditions resulted in a temporary shutdown of the drilling from Oct. 28 to Nov. 9 and a final shutdown on Nov. 14. At this time a total of four holes had been completed with a fifth site prepared but not drilled. The table below summarizes these drill holes:

TABLE 1

(See attached)

All core is presently stored on the property at the end of the drill road.

TABLE 1

DRILL HOLE SUMMARY

Hole No.	Angle	Azimuth	Depth (m)	Coordinates	Started	Completed	SIGNIFICANT MINERALIZATION Width (m)	Ag (oz/t)	Ag (oz/t)
GL 84-1	-48°	010°	126.48	58 + 05 N 12 + 50 W	Sept. 24	Oct. 3	18.96 - 19.81	.19	.054
							19.81 - 20.12	.04	.012
							20.12 - 22.86	.10	.098
							22.86 - 23.16	.18	.068
							23.16 - 24.38	.17	.088
							24.38 - 25.60	.19	.205
							25.60 - 26.73	.11	.052
							54.86 - 56.39	.06	.065
							20.12 - 25.60	.14	.118
							18.96 - 26.73	.14	.097
GL 84-2	-50°	090°	91.44	58 + 05 N 12 + 50 W	Oct. 5	Oct. 9	No Significant Mineralization		
GL 84-3	-60°	243°	39.62	57 + 00 N 12 + 75 W	Oct. 13	Oct. 15	No Significant Mineralization		
GL 84-4	-76.5°	243°	170.69	56 + 45 N 12 + 75 W	Oct. 17	Nov. 14	No Significant Mineralization		

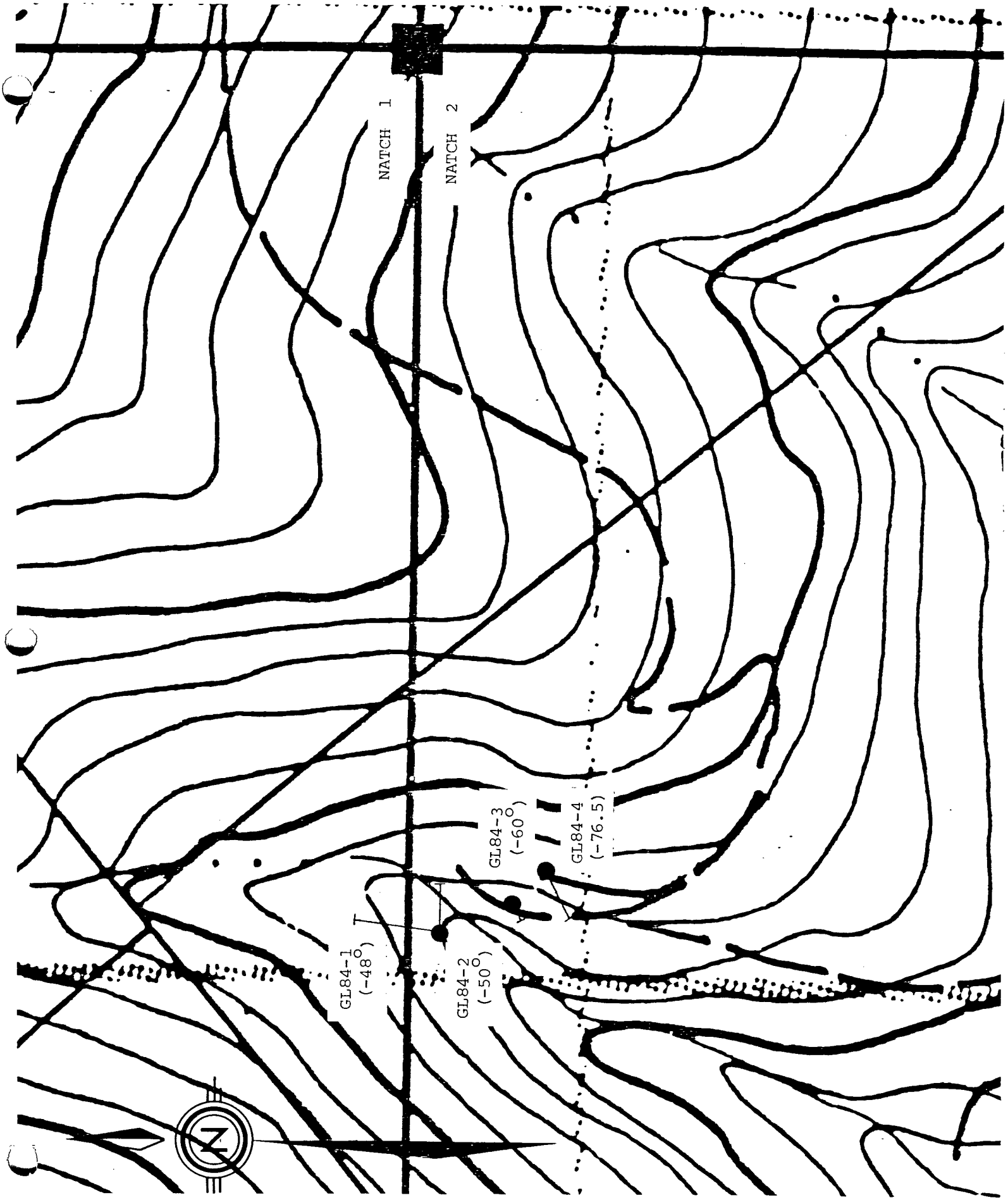


Fig. 3 Goldenlatch drilling (1984)- Location Map

STATEMENT OF COSTS

DIAMOND DRILLING - 1405 ft. (428.24 m) total by Advanced Diamond Drilling.
- Sept. 29 to Nov. 28, 1985.

A.	Casing (69 ft. @ $17.50/ft.)	$ 1,207.50
B.	Coring (1336 ft. @ $17.50 ft.)	23,380.00
C.	Site Cost Charges	
	(i) Hourly labour (610 hrs. @ $31.35/hr.)	19,123.50
	(ii) Drill - operating (52.5 hrs. @ $27.50/hr.)	1,443.75
	- non-operating (191 hrs. @ $19.80/hr.)	3,781.80
	(iii) Tractor - operating (35 hrs. @ $8.80 hr.)	308.00
	(iv) Supplies (contractor cost + 10%)	7,316.89
D.	Tractor Rental (JD 450, 68 days @ $56.67/day)	3,853.46
E.	Mobilization/Demobilization of drill & tractor	6,253.61
	Sub Total	$ 66,668.51
F.	Geological supervision (57 days @ $130.25/day)	7,424.25
G.	Helicopter support (9.5 hrs. @ $500/hr.)	4,750.00
H.	Assaying (182 samples @ $15.25 each)	2,775.50
	TOTAL	$ 81,618.26

CERTIFICATE OF QUALIFICATIONS

I, Kenneth J. Taylor of Vancouver, British Columbia, do hereby certify that,

1. I am a graduate of the University of British Columbia; B.Sc. Geology, 1973.

2. I have practiced my profession as a mining exploration geologist continuously since 1973.

3. This report is based on personal knowledge of the property gained while mapping the geology of the area and logging core on the Goldenlatch Zone.

K. J. TAYLOR, B. Sc.
Mar. 8, 1985

Appendix 1

Drill Logs and Assay Records

DRILL LOG

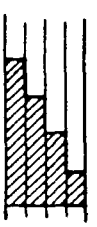
PROJECT: (BOSTON BAR) HANNA-NATCH	GROUND ELEV.
HOLE No.: GL84-1	BEARING: 010°
LOCATION: 58+05 N, 12+50 W	DIP: −48°
	TOTAL LENGTH: 415' (126.49 m.)
LOGGED BY: W. WADE (REVISED BY K. TAYLOR)	HORIZONTAL PROJECT
DATE: OCT. 14/84	VERTICAL PROJECT
CONTRACTOR: ADVANCED DIAMOND DRILLING	
CORE SIZE: NQ	
DATE STARTED: SEPT. 24/84.	
DATE COMPLETED: OCT. 3/84.	
DIP TESTS: 30.48 m. = 45.5° true; 60.96 m = 45° "; 126.49 m. = 45° "	

ALTERATION SCALE

absent
slight
moderate
intense

IGNORE

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

IGNORE

COMMENTS

LEGEND

- Qz.-Arg. Schist
- Talc-Sericite Schist
- Qz-Talc-Siderite Fels
- Qz-Bi Schist
- Qz-Chl Schist
- K-Spar ± Actin. Skarn

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PAGE 2 OF 11 | PROJECT: | HOLE No. GL 84-1

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Arg C	D	E	FRACT INTENSITY
0				0.00 - 2.56 OVERBURDEN						
				2.56 - 9.11 ARG - SILTSTONE SEMISCHIST - v. siliceous						
				2.56 - 5.18 V. broken						
				6.68 - 6.77 Qz vein (40° to Core)						
				8.78 - 9.11 Biotite alteration (bi schist?)						
5			Qz 50		tr-1					
				9.11 - 9.27 Qz VEIN - barren						
			Qz	9.11 / 9.27						
10				9.27 - 11.49 BLEACHED SILICIFIED ROCK	1-3					
	100			11.49						
			40	11.49 - 20.26 Qz - CHL SCHIST - sections with skarn bands						
				11.49 - 12.80 K-spar bands in chl/sch.	tr-1		tr			
			30	11.58 - 12.68 Sheared with abundant qz. veins						
			Qz. 40	13.99 - 14.11 Qz vein (<1% py)						
				18.96 - 19.81 K-spar bands in chl/sch.						
15				19.99 - 20.26 Qz vein.	tr					
			50							
20			50		tr-1					

PAGE 3 OF 11 | PROJECT: | HOLE No. GL 84-1

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Ars. C	D	MoS_2 E	FRACT INTENSITY
20			Qz	20.26	2-8					
				20.26 - 25.60 K-SPAR ± ACTIN. SKARN						
				24.38 - 25.60 Silic. brown skarn						
			60							
					10-15					
			60							
25				25.60 - 35.66 Qz-CHL SCHIST						
			60	25.60						
				25.60 - 26.73 K-spar bands in chl sch						
				30.18 - 30.48 K-spar skarn	1-15					
				33.22 - 35.45 Qz. vein						
				35.45 - 35.66 K-spar bands in chl sch						
					tr					
	100		50							
30			Sk.	30.18	10	tr.				
				30.48						
			40							
					tr					
				33.22						
			25		tr-2			tr.		
35		Qz.								
				35.45						
				35.66	tr.					
			Qz	35.66 - 37.70 K-SPAR SKARN	1-5					
				36.05 - 36.15 Qz. vein.						
				37.70 - 38.62 Qz-CHL. SCHIST	2-5					
				37.70						
				38.62 - 39.32 FAULT ZONE - Qz. VEIN						
				38.62	tr					
			Qz + fault	39.32 - 41.45 Qz-Bi-ARG SCHIST						
				39.32						
40			30		tr-1					

PROJECT:

HOLE No. GL 84-1

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
40				
			41.45	
			40	41.45-55.17 CHL ± TALC SCHIST
				41.45-49.37 Occ. band K-spar.
				44.10-44.20 Qz. vein
				44.38-44.41 " " (60° to core)
	100		Qz	47.85-49.38 Shear zone
			25	51.60-51.72 Qz vein (45° to core)
45				54.86-55.17 " " (25° to core)
			47.85	
	0		Shear zone	
			49.38	
50			20	
			Qz	
	100		20	
			Qz	55.17-56.39 K-SPAR ± ACTIN. SKARN
55				55.17
				56.39
				56.39-62.12 CHL ± BI ± TALC SCHIST
				56.39-58.33 Occ. K-spar band in sch
				58.33-58.67 Qz vein (25° to core)
			Qz	
			30	
60			50	

ALTERATION					FRACT INTENSITY
Py A	Po B	C	D	E	
	tr-1				
	1-5				
	tr				
	2-3				
	tr				
	tr-3				
	tr				
	1-15				
	5-8				
	tr-1				
	tr				
	tr-1				

PAGE 5 OF 11 | PROJECT: | HOLE No. GL84-1

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	C	D	E	FRACT INTENSITY
60										
				62.12-68.88 BROWN SILICEOUS "SKARN"						
				62.12						
				63.09-63.49 Brown skarnified chl. sch.						
				63.09						
				63.49						
			50							
65										
			35							
				68.88-73.54 CHL. SCHIST - siliceous						
			50	68.88						
	100									
70										
			35							
				73.54-81.99 K-SPAR ± ACTIN. SKARN/BROWN SILIC. "SKARN"						
				73.54						
			35	78.64-81.99 Brown silic. skarn						
75										
			35							
80										

Py A: 1+-1; 1-15; 1-2; 1-15; 1-3; 1-20; 1+-1; 1-15; 20

PROJECT:

HOLE No. GL 84-1

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	C	D	E	FRACT INTENSITY
80			35			20				
			30	81.99						
				82.29		1-3				
				82.69						
				81.99-85.95 CHL. SCHIST						
				82.29 - 82.69 Occ. K-spar bands						
			Qz 25	84.12 - 84.95 Qz vein (10° to core)		tr-1				
85				85.95-90.07 K-SPAR ± ACTIN. SKARN						
				85.95 87.48 - 87.97 Chl. schist						
						1-2				
			20	87.48						
				87.97		tr.				
						1-2				
	100					1-5				
90				90.07-94.03 CHL. SCHIST						
				90.07						
				90.89 - 91.44 Qz vein (10° to core)						
			Qz 35	93.48 - 93.70 " " (25° to core)						
						tr.				
			Qz 25			tr-1				
				94.03-99.03 K-SPAR ± ACTIN. SKARN - minor chl. sch.						
				94.03		1-25				
				94.73 94.73 - 95.25 Bi-chl schist with skarn bands						
95				95.25		8-5				
						1-10				
			35							
						1-25				
				99.03-104.70 CHL ± BI SCHIST		1-10				
				99.03						
				102.63 - 102.93 Qz vein (20° to core)		tr-1				
100										

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	C	D	E	FRACT INTENSITY
100										
			30 Qz							
				104.70-106.31 K-SPAR ± ACTIN. SKARN						
				104.70						
				105.77-106.19 Qz vein						
105			70 Qz							
				106.31						
				106.31-115.70 CHL ± BI SCHIST						
	100									
110			25							
			15							
115										
			20	115.70-121.01 ARG-SILTSTONE SEMISCHIST						
				115.70						
				117.96-118.87 Abundant qz veins						
			Qz							
120										

PROJECT:

HOLE No. GL 84-1

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	C	D	E	FRACT INTENSITY
120				121.01-126.49 CHL. SCHIST						
				123.75-124.05 Q_2 vein.						
	100		30			1-2				
			Q_2							
125				126.49 END OF HOLE						
			126.49 30							

 PROJECT: HOLE No. GL 84-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	oz/t Ag	oz/t. Au	COMPOSITE ASSAYS
- Arg-siltstone semischist (no sulphs)		5.18-6.22	1.04	95257				.05	.015	
- Qz-arg schist, silicified (" ")		6.22-6.61	0.39	258				.06	.031	
- Silic. arg-siltst. semischist (1% sulph)		6.61-8.78	2.17	259				.01	.008	
- Stockwork arg-sst semischist (tr-1% ")		8.78-9.11	0.33	260				.02	.005	
- Qz vein (No sulphs)		9.11-9.27	0.16	261				.01	.004	
- Bleached silic. rock (1-3% sulphs)		9.27-10.52	1.25	262				.02	.006	
- " " " (tr-1% ")		10.52-11.49	0.97	263				.05	.009	
- Chl sch w. skarn bands (tr-1 py, po, ars)		11.49-12.80	1.21	9101				.18	.022	
- Qz-chl schist (tr. sulphs)		12.80-14.33	1.53	95264				.03	.005	
- " " " (" ")		14.33-15.54	1.21	265				.01	.001	
- " " " (" ")		15.54-16.46	0.92	266				.01	.001	
- " " " (" ")		16.46-17.68	1.22	9102				.02	.004	
- " " " (" ")		17.68-18.96	1.28	95267				.01	.002	
- Skarn w. chl. schist (1-15% py, po)		18.96-19.81	0.85	9103				.19	.054	
- Chl-talc schist		19.81-20.12	0.31	95256				.04	.012	
- K-spar ± actin skarn w. qz vein (5-25% sulphides)		20.12-22.86	2.74	9104				.10	.098	.14 Ag / 5.48m A. 118 Au. (3.52m T.W.)
- K-spar ± actin. skarn		22.86-23.16	0.30	95255				.18	.068	
- " " " (1-15% sulphs)		23.16-24.38	1.22	9106				.17	.088	
- Silic. brown skarn (1-10% py)		24.38-25.60	1.22	9107				.19	.205	
- Chl. schist w. sk. bands (1-15% sulph)		25.60-26.73	1.13	9147				.11	.052	
- Chl. schist (tr. sulphs)		26.73-27.80	1.07	95268				.02	.006	
- " " (1-20% sulphs)		27.80-28.96	1.16	9148				.06	.010	
- Chl. schist w. skarn bands (1-10% sulphs)		28.96-30.02	1.06	9108				.21	.014	
- " " " " " (10% py)		30.02-30.78	0.76	9109				.09	.002	
- " " " wk. skarn (tr-2 sulphs)		30.78-31.70	0.92	95269				.01	.002	
- " " " bi alt'd bands (tr sulphs)		31.70-33.22	1.52	270				.01	.001	
- Qz vein (tr-2% sulph, tr. MoS_2)		33.22-35.45	2.23	271				.01	.001	
- Chl. schist w. 10% K-spar bands (tr. sulphs)		35.45-35.66	0.21	272				.01	.001	
- Silic. skarn (1-5% py)		35.66-36.57	0.91	9110				.06	.004	
- K-spar ± actin skarn (2-5% sulphs)		36.57-37.03	0.46	95273				.09	.005	
- " " " (" ")		37.03-37.79	0.76	9111				.06	.004	
- Qz-chl. schist (tr. sulphs)		37.79-38.62	0.83	95274				.01	.001	
- Qz vein-fault zone (20% recov., tr-2 sulphs)		38.62-39.32	0.70	275				.02	.012	
- Qz-bi-arg schist (tr-1 sulphs)		39.32-39.93	0.61	276				.10	.003	
- Chl. schist (1-5% sulphs)		41.45-43.28	1.83	9149				.02	.013	
- Skarn / chl. schist (1-5% sulphs)		43.28-44.81	1.53	9112				.07	.009	
- Bi-chl schist (tr. sulphs)		44.81-46.39	1.58	95277				.01	.001	
- Skarn / bi-chl schist (2-3% sulphs)		46.39-46.57	0.18	278				.02	.001	
- Bi-chl. schist (tr. sulphs)		46.57-46.79	0.22	279				.01	.001	

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 PROJECT: HOLE No. GL 84-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	oz/t Ag	oz/t Au	COMPOSITE ASSAYS
- Skarn / qz vein / chl. schist (tr-3% sulphs)		51.39-52.36	0.97	9113				.07	.007	
- Silic. chl. schist (tr. sulphs.)		53.34-54.86	1.52	95280				.03	.006	
- Silic. K-spar ± actin. skarn (1-15% sulphs)		54.86-56.39	1.53	9114				.06	.065	
- Bi-chl. schist w. wk. skarn (5-8% ")		56.39-57.91	1.52	9115				.04	.033	
- Chl. schist / skarn (tr-1% sulphs)		57.91-58.37	0.46	95281				.01	.006	
- Qz. vein (tr. sulphs)		58.37-58.61	0.24	282				.03	.001	
- Qz-chl. schist (tr-2% sulphs)		58.61-59.19	0.58	283				.01	.001	
- Chl. schist. Bleached near upper contact with qz breccia zone (tr. sulphs)		59.63-60.96	1.28	284				.02	.001	
- Chl. schist (tr-1 sulphs)		60.96-61.94	0.78	285				.01	.010	
- Brownish skarnified schist (2-3% sulphs)		61.94-62.48	0.54	286				.01	.001	
- Silic. skarn (1-15% sulphs)		62.48-63.22	0.74	9116				.07	.025	
- Brown skarnified chl. schist (1-2% sulphs)		63.22-64.01	0.79	95287				.02	.005	
- Silic. skarn (1-20% sulphs)		64.01-64.98	0.97	9150				.03	.020	
- Silic. skarn (1-3% sulphs)		65.53-66.39	0.86	9117				.05	.022	
- Chl. schist w. skarn (1-15% sulphs)		66.39-67.82	1.43	2030				.02	.003	
- Silic. skarn (1-20% sulphs)		67.82-69.19	1.37	2031				.02	.005	
- Chl. schist (tr. sulphs)		69.19-70.10	0.91	95288				.01	.001	
- " " (no visible sulphs)		70.10-71.63	1.53	289				.01	.001	
- " " (tr-1 sulphs, 12cm of 5-7%)		71.63-73.15	1.52	290				.03	.001	
- Skarn (1-15% sulphs)		73.15-74.68	1.53	9118				.12	.001	
- " (15-20% ")		74.68-76.20	1.52	2032				.04	.001	
- " Abundant K-spar (10-20% sulphs)		76.20-77.11	0.91	2033				.04	.001	
- " . Abundant qz veining (1-15% ")		77.11-78.64	1.53	9119				.13	.017	
- Brown skarnified schist (1-2% ")		78.64-79.86	1.22	95291				.05	.001	
- " " " (20% sulphs		79.86-81.38	1.52	9122				.11	.021	
- " " " (1-2% ")		81.38-82.08	0.70	95292				.03	.001	
- Chl. sch / skarn (1-3% sulphs)		82.08-82.91	0.83	9120				.07	.005	
- " " (tr-1% sulphs)		82.91-84.25	1.34	95293				.02	.001	
- " " (" ")		84.95-85.95	1.00	294				.03	.001	
- Silic. skarn (1-2% sulphs., 2cm 30%)		85.95-87.48	1.53	9121				.14	.001	
- Chl. schist (tr. ")		87.48-88.00	0.52	95295				.02	.001	
- K-spar skarn (1-2% py, po)		88.00-88.39	0.39	2034				.02	.001	
- " " (1-5% sulphs)		88.39-90.07	1.68	9123				.03	.003	
- Chl. schist (no visible sulphs)		90.07-91.14	0.97	95296				.01	.001	
- Qz vein - not sampled		91.14-91.44								

BIG COUNTRY PRINTERS QUESNEL

PAGE 11 OF 11 | PROJECT: | HOLE No. GL 84-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Cu	%	%	oz/t. Ag	oz/t. Au	COMPOSITE ASSAYS
- Chl. schist (tr. sulphs)		91.44-92.96	1.52	95297				.01	.001	
- Qz vein /chl. schist (tr-1% sulphs)		92.96-94.03	1.07	298				.01	.001	
- Silic. skarn (1-25% sulphs)		94.03-94.73	0.70	2035				.01	.001	
- Bi-chl. schist w. skarn bands (3-5% sulphs, fair arseno.)		94.73-95.25	0.52	95299				.03	.015	
- Skarn (1-10% py. po)		95.25-97.54	2.39	2036				.03	.005	
- " (up to 25% sulphs)		97.54-99.06	1.52	9124				.05	.017	
- Bi-chl schist w. skarn bands (1% py)		99.06-100.89	1.83	9125				.03	.011	
- Chl. schist (tr. sulphs)		100.89-102.41	1.52	95300	.01			.05	.005	
- " " /qz vein		102.41-103.02	0.61	9126				.03	.004	
- Bi-chl. schist w. wk skarn (tr-2% po, tr ars.)		103.02-104.70	1.68	9001	.01			.04	.002	
- Skarn /chl. schist (up to 30% sulph.)		104.70-106.38	1.68	9127				.02	.018	
- Bi-chl. schist w. v. wk. skarn (tr. sulphs)		106.38-107.90	1.52	9002	.01			.07	.001	
- Qz-chl. ± bi schist (tr. sulphs)		107.90-109.42	1.52	9003	.01			.04	.004	
- Bi-chl schist (tr-2% py)		113.69-115.21	1.52	9128				.02	.017	
- Arg-siltst. semischist w. abundant qz veining (1-2% sulphs)		117.65-119.18	1.53	9129				.03	.024	
- Chl. schist w. wk skarn (1-2% sulphs)		125.21-125.94	0.73	9004	.01			.06	.001	

BIG COUNTRY PRINTERS QUESNEL

DRILL LOG

PROJECT: (BOSTON BAR) HANNA-NATCH	GROUND ELEV.
HOLE No.: GL 84-2	BEARING: 090°
LOCATION: 58+05N 12+50W	DIP: -50°
	TOTAL LENGTH: 300' (91.44m.)
LOGGED BY: K. TAYLOR / W. WADE	HORIZONTAL PROJECT
DATE: OCT. 21/84.	VERTICAL PROJECT
CONTRACTOR: ADVANCED DIAMOND DRILLING	ALTERATION SCALE
CORE SIZE: NQ	absent slight moderate intense IGNORE
DATE STARTED: OCT. 5/84.	TOTAL SULPHIDE SCALE
DATE COMPLETED: OCT. 9/84.	traces only < 1% 1% – 3% 3% – 10% > 10% IGNORE
DIP TESTS: 30.48m.= 45.5° true 60.96 m.= 43° true 91.44 m.= 43° true	
COMMENTS	LEGEND QZ. ARG. SCHIST TALC-SERICITE SCHIST QZ-TALC-SIDERITE FELS QZ.-BI SCHIST QZ. CHL. SCHIST K-SPAR ± ACTIN. SKARN

K. J. T.

BIG COUNTRY PRINTERS QUESNEL

PAGE 2 OF | PROJECT: HANNA - NATCH | HOLE No. 84-2

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py. A	Ars. B	C	D	E	FRACT INTENSITY
0		NO CORE		0.0 - 10.36 OVERBURDEN						
				0.0 - 5.18 No Core						
				5.18 - 8.84 Broken qz, sand (rusty)						
				8.84 - Fault gouge?						
				8.84 - 10.36 Broken qz, graph. arg schist.						
5				5.18						
				10.36 - 11.13 QZ. ARG. SCHIST - slightly chloritic; tr. sulphides (py) as						
10				clissems + occ. seams parallel to schistosity						
	80		50	10.36						
	40			11.13						
			35	11.13 - 18.38 TALC-SERICITE SCHIST - light green; mod to intense shearing.						
			58	Occ. dk. green bands - poss. sero. Tr. py along shear planes (could be micas)						
			51							
	100			13.86 - 15.85 - 15-25% siderite (blebs)						
15			50	15.85 - 16.03 - Fault-breccia zone						
				18.38 - 19.75 QZ. ARG SCHIST - mod. to intense fracturing w. siderite healing (2-3%)						
			25	- Upper contact @ 70°						
				- Lower " @ 50°						
				- Slickensides parallel to schistosity						
			20	18.38						
	80		40	19.75 - 20.42 QZ.-TALC-SIDERITE FELS - Intensely silic. - calc-silicate felc. Tr. arseno-						
20	100		20	19.75 py. ± py.						

PAGE 3 OF | PROJECT: | HOLE No. 84-2

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py. A	ARS. B	C	D	SID. E	FRACT INTENSITY
20			45	20A2	TR	TR				
				20.42-54.25 Qz. ARG. SCHIST - fine dissem. py. ubiquitous	TR-1	TR				
	100		20	- numerous graph. ± serp. slickensides parallel to schistosity						
			35	20.42-20.57 - Transition zone between qz-talc-sid. schist and qz-arg schist. Brownish mineral (not biotite) present	TR					
	50		35		1-2	1-2				
	95		25	Tr.-1 arsenopy. ± py.	TR					
25	30		60	24.84-25.91 - 2-5% siderite	1-2				2-5	
	100			25.91-36.12 - Intensely deformed						
			35	35.81-36.30 - 5% siderite	TR					
	80			44.50-44.53 Talc-ser schist						
				45.41-45.72 Talc-ser-musp. schist						
				52.97-53.00 Talc-ser. schist						
			35		1-2					
30					TR					
					1-2					
			40		TR					
					TR-1					
			45							
	100		35		TR					
					TR-1					
35			35		TR				5	
			35							
			35		TR-1					
40			30							

PAGE 4 OF | PROJECT: | HOLE No. 84-2

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
40					Py			TALC ± SER.		
			25		Tr-1					
					1-2					
			30		Tr-1					
			35	44.5				Weak		
45			35	45.41	Tr			Weak to mod		
			50	45.72						
			35					Mod.		
			25		Tr-1					
					Tr					
					2-3					
	100		30					Weak		
50					Tr					
			30					Mod.		
								Int.		
			40		Tr-II			Weak		
				52.97	Tr			Mod		
			40		1-2					
				54.25				Mod-Int.		
55			35	54.25-59.28 TALC ± SERICITE SCHIST - light green; weak - mod shearing throughout with intense shearing locally.						
			60	55.78						
			50		Tr					
			35	56.94						
			15							
			20							
			45	58.21						
			40							
				59.28						
60			30		1-3					

54.56 - 54.77 2-3 cm bands of qz.
55.41 - 55.53 Intense shearing
55.63 - 55.96 " "
56.84 Fault
56.94 - 58.22 Intense shearing
58.21 Fault?
58.52 - 59.28 Intense shearing

PAGE 5 OF | PROJECT: | HOLE No. 84-2

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	B	C	Talc+chl. D	Sid. E	FRACT INTENSITY
60				59.28-61.57 Qz-Bi-Arg Schist - highly siliceous, graphitic ± serp. slickensides. Upper contact appears conformable	1-3 Tr 1-3 Tr					
			20	61.57						
		Qz	30	62.61						
			35	61.57-62.61 Qz VEIN - No visible sulphides. 61.87-62.00 Qz-arg. schist						
			50	62.61-65.78 TALC-SER. ± SID. SCHIST. 63.40-65.78 10-15% sid. (≤ 1 cm blebs)	Tr				10-15	
65			55	65.78						
		Volc?		65.78-77.72 Qz-Bi-Arg. Schist. 66.90- 1.5 cm mafic volc? sill. 68.52-68.67 Mafic volc? sill	1-2 Tr					
			60	66.90						
				Kink fold	Tr-1					
		Volc?	45		Tr					
	100									
70			60							
					Tr-1					
			55		Tr					
			60							
					Tr-1			mod.		
			55							
75					Tr					
			55		Tr-1					
				77.72-91.44 (end of hole) Qz-Chl.±Bi Schist. 86.11-86.87 Occ. 1-2 cm qz vein	Tr					
			50	77.72 Gradational						
					1-3					
			50		Tr-1					
80			0-10							

PAGE 6 OF | PROJECT: | HOLE No. 84-2

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	B	C	Tlc± Chl. D	E	FRACT INTENSITY
80			Qz. 90 50		Tr-1					
			91.29 91.44							
			81.74 81.93					mod		
			65 Qz.		Tr.					
			60		Tr-1					
					Tr.					
					1-2					
85			60	less chloritic						
	100				Tr.			weak		
			55	Occ. 1-2cm qz vein						
					1-3					
								Mod		
			50		Tr.					
					Tr-1					
			60							
					Tr.			Weak		
90					Tr-1					
					Tr.					
			50		1-2			Mod.		
			91.44							
				91.44 END OF HOLE						

PAGE 7 OF 7 | PROJECT: | HOLE No. 84-2

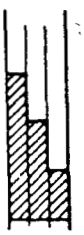
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Cu	%	%	oz/t. Ag	oz/t. Au	COMPOSITE ASSAYS
- Qz-arg schist (Tr. sulphs)		10.36-11.13	0.77	9005	.01			.05	.001	
- Talc-ser. schist (No visible sulphs)		11.13-12.65	1.52	9006	.01			.01	.001	
- " " -sid. " (Tr. sulphs?)		14.33-15.85	1.52	9007	.01			.02	.002	
- Qz-talc-sid. schist ± marip. (Tr ars.)		19.75-20.27	0.52	9008	.01			.04	.002	
- Siltstone + graphite (1-10% sulphs)		20.27-21.95	1.68	9130	N/A			.03	.007	
- " (10% sulphs)		21.95-23.47	1.52	9131	"			.03	.015	
- " + graphite		27.43-28.35	0.92	9132	"			.01	.001	
- Arg-siltstone (Tr. sulphs)		32.00-33.53	1.53	9133	"			.01	.001	
- " " (" ")		38.40-39.41	1.01	9134	"			.02	.001	
- Chlorite-talc schist (no visible sulphs)		45.42-46.63	1.21	9135	"			.01	.001	
- Siltstone (Tr. sulphs)		47.24-48.77	1.53	9137	"			.01	.001	
- Siltstone-chloritic (Tr. sulphs)		50.29-51.82	1.53	9138	"			.01	.001	
- Arg. siltstone (No visible sulphs)		52.97-54.22	1.25	9139	"			.01	.001	
- " " (sulph. stringers)		59.44-61.57	2.13	9136	"			.01	.001	
- Talc-chlorite schist (Tr. sulphs)		64.92-65.75	0.83	9140	"			.01	.001	
- Chl.-bi-graph. schist (Tr. sulphs)		65.75-67.06	1.31	9141	"			.01	.001	
- Chl.-siltstone-graph schist(" ")		70.10-71.63	1.53	9142	"			.01	.001	
- Arg.-siltstone (1-5% sulphs)		77.72-78.94	1.22	9143	"			.01	.001	
- " " (Tr. Sulphs)		81.69-82.91	1.22	9144	"			.03	.001	
- " " (No visible sulphs)		86.87-87.78	0.91	9145	"			.01	.001	

BIG COUNTRY PRINTERS QUESNEL

DRILL LOG

PROJECT (Boston Bar) Hanna-Natch	GROUND ELEV.
HOLE No. GL 84-3	BEARING 243°
LOCATION 57+00N 12+75W	DIP -60°
	TOTAL LENGTH 130' (39.62)
LOGGED BY K. Taylor / W. Wade	HORIZONTAL PROJECT
DATE Oct. 31/84.	VERTICAL PROJECT
CONTRACTOR Advanced Diamond Drilling	
CORE SIZE NQ	
DATE STARTED Oct. 13/84.	
DATE COMPLETED Oct. 15/84.	
DIP TESTS None Taken	

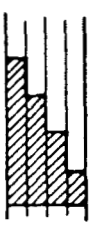
ALTERATION SCALE



absent
slight
moderate
intense

IGNORE

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

IGNORE

COMMENTS

Core very broken throughout most of drill-hole. Appears hole just into bedrock much of way and may have gone back into overburden at 32.31 m.

LEGEND

- Qz.-Arg. Schist
- Talc-Sericite Schist
- Qz-Talc-Siderite Fels
- Qz.-Bi Schist
- Qz.-Chl. Schist

TIG COUNTRY PRINTERS QUESNEL

PAGE 2 OF 4 | PROJECT: | HOLE No. 84-3

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	B	C	D	E	FRACT INTENSITY
0				0.0 - 3.51 OVERBURDEN - broken qz-chl schist						
				3.51 - 7.62 CHL. SCHIST - Occ 1-3mm qz. band parallel to schistosity. Highly siliceous						
	100		28	3.51						
5	90		30							
	50									
	100		45							
				7.62						
	5			7.62 - 12.86 QZ.-BI SCHIST - v. highly silicrous; occ. 0.5-2 cm. bands of K-spar + qz. parallel to schistosity						
	65		35							
10				12.19 - 12.34 K-spar-actin. skarn						
	35		40	12.34 - 12.80 Chl. schist						
	75									
	50		45	12.86 - 14.11 K-SPAR - ACTIN. - QZ. SKARN						
				12.19						
				12.34 skarn / chl schist						
				12.86						
	30		40	13.11 - Fault gouge						
				13.11 - 14.11 Broken mixture of skarn and K-spar altered qz-bi schist						
				14.11						
			25	14.41						
15	75		40	14.11 - 14.41 QZ.-BI SCHIST						
			50	14.41 - 15.97 QZ.-CHL. SCHIST	Tr.					
				15.97						
			45	15.97 - 19.11 QZ.-BI ± CHL SCHIST						
	100		45							
			25							
			45	19.11 - 24.38 CHL. ± BI SCHIST						
				19.11						
20										

PAGE 3 OF 4 | PROJECT: | HOLE No. 84-3

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	C	D	E	FRACT INTENSITY
20	100		40							
	30									
	55		35							
	50		40							
				24.38-24.99 K-SPAR ± ACTIN. SKARN - heavy sulphides						
				24.38						
			30							
25			40	24.99						
	100		40	24.99-26.82 CHL. SCHIST - no visible sulphides						
				24.99-25.60 Occ. band of skarn		2-B				
			Actin?	25.54-25.91 Actin. alteration						
			45	26.82						
				26.82-27.68 K-SPAR-ACTIN. SKARN - heavy sulphides	Tr.	20-25		Tr.		
	15			27.68						
				27.68-31.69 CHL. SCHIST						
	10		40							
30										
	90									
			30							
				31.69-32.00 Qz. VEIN						
	50		Qz	31.69						
				32.00						
	35		35	32.31						
				32.00-32.31 Qz.-Bi SCHIST						
	25									
				32.31-39.62 V. broken - possibly back into OVERBURDEN.						
35	20									
	40		15							
	30									
	3-4									
	30									
40				39.62						

PAGE 4 OF 4	PROJECT:	HOLE No. 84-3

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Cu	%	%	oz/t. Ag	oz/t. Au	COMPOSITE ASSAYS
- 3-5% po-py, in K-spar-actin.-qz. skarn ± bi schist (30% recov.)		12.86-14.17	1.31	9009	.03			.01	.004	
- Chlorite schist (no visible sulphs)		14.17-15.64	1.47	95251	N/A			.01	.001	
- Silic. chlorite schist (" " ")		16.76-18.29	1.53	95252	N/A			.01	.004	
- Chlorite schist (" " ")		23.47-24.38	0.91	9010	.01			.02	.001	
- K-spar skarn (up to 50% sulphs - py-po-tr cpy.		24.38-24.99	0.61	95253	N/A			.03	.016	
- Chlorite schist (FW.) (Tr. py-po)		24.99-25.54	0.55	9011	.01			.04	.002	
- Chlorite schist ± actin. (2-3% po ± py, speck cpy)		25.54-25.91	0.37	9012	.06			.03	.002	
- Chlorite schist (HW) (no visible sulphs)		26.52-26.82	0.30	9013	.01			.04	.001	
- " " + skarn (10-15% sulphs)		26.82-27.68	0.86	95254	N/A			.05	.012	

BIG COUNTRY PRINTERS QUESNEL

DRILL LOG

PROJECT: (BOSTON BAR) HANNA-NATCH	GROUND ELEV.
HOLE No.: GL. 84-4	BEARING: 243°
LOCATION: 56+45N, 12+75W	DIP: -76.5°
	TOTAL LENGTH: 560' (170.69 m.)
LOGGED BY: K. TAYLOR	HORIZONTAL PROJECT
DATE: Nov. 1/84.	VERTICAL PROJECT
CONTRACTOR: ADVANCED DIAMOND DRILLING	ALTERATION SCALE: absent, slight, moderate, intense — IGNORE
CORE SIZE: NQ	
DATE STARTED: Oct. 17/84.	TOTAL SULPHIDE SCALE: traces only, < 1%, 1% – 3%, 3% – 10%, > 10% — IGNORE
DATE COMPLETED: Nov. 14/84.*	
DIP TESTS: 89.92m. (295') = 72° true; 170.69m. (560') = 70° true	

COMMENTS

17.68 m. casing

- From 17.68 - 30.78 rock is very broken with sections of solid core. Core angles suggest it is in place although it may just be overburden.

* - Hole at 118.26 m when extremely cold and snowy weather forced stoppage on Oct. 28
- Restarted hole on Nov. 10 and completed on Nov. 14

LEGEND

- Qz. ARG. SCHIST
- TALC-SERICITE SCHIST
- Qz-TALC-SIDERITE FELS
- Qz-BI SCHIST
- Qz-CHL. SCHIST
- K-SPAR & ACTIN. SKARN

BIG COUNTRY PRINTERS QUESNEL

PROJECT:

HOLE No. 84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
0				0.0 - 17.68 CASING - tricored; no core recov.						
5		TRICONED - NO CORE RECOVERED.								
10										
15										
	50		17.68	17.68 - 30.78 BROKEN BEDROCK? - could be overburden; sections of solid core up to 0.6 m. long with broken rock between. Core angles seem consistent so likely close to in place. 17.68 - 20.63 Qz-Bi SCHIST						
	90		75							
	60									
20			80							

PAGE 3 OF 13 | PROJECT: | HOLE No. 84-4

DEPTH (METRES) | % Core Recy | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION Py A, Po B, Cpy C, D, E | FRACT INTENSITY

20.63 - 23.93 CHL. ± QZ SCHIST

20.63
65
50
60

23.93 - 24.23 K-SPAR-ACTIN. SKARN

23.93
80
24.23

1-2 1-2

24.23 - 25.15 FAULT GOUGE - chl. schist, lower part v. broken but not gouge

Fault
25.15
65

25.15 - 28.65 QZ.-BI SCHIST

70

28.65 - 28.80 QZ-BI SCHIST + K-SPAR - approx 20% of rock K-spar

28.65
28.80
55

28.80 - 55.47 CHL. SCHIST - v. broken

30.78 Start bedrock?
30

35.81 - 36.06 Actin. ± K-spar skarn (15-20 po, tr. cpy)

30.78 - 40.69 Qz chl. schist

39.23 - 39.32 Fault zone - some gouge

40.69 - 40.84 Qz-talc-sid. schist - rusty weathering

Tr

43.25 - 44.04 - Qz stockwork (up to 50% of rock; no visible sulphs.

10-15 Po
Tr-1 Po
Tr cpy

35.81
36.06
Skarn
35

2-3
1-2
Tr-1

Tr Tr

39.23
40

Tr

PROJECT:

HOLE No. 84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Cpy C	Chl. D	K-spar E	FRACT INTENSITY
40	15		20							
	100		20		Tr	Tr.				
	85		25							
45			20		Tr	Tr				
			20							
			20							
			10			1+2	Tr.			
	100		5			Tr-1				
			0-5							
			25			Tr.				
55				55.47-56.78 Qz. Bi SCHIST - wk-mod chloritic						
			0-5	55.47						
				56.78-57.21 Qz. Chl. SCHIST - wk-mod biotite alt'n.						
			5	56.78						
				57.06-57.21 Wk-mod. K-spar alt'n		Tr	Tr		Wk-mod	
				57.21						
				57.21-58.52 Qz. Bi. SCHIST - wk. chloritic				Wk		
				57.97-58.67 5cm wide qz. vein						
			10	58.52						
				58.43 Fault - no gouge						
				58.52-70.84 QZ-CHL-BI SCHIST - qz-bi schist with intense chl. alt'n				Int.		
60			0-5							

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	B	C	Chl. D	K-spar E	FRACT INTENSITY
				59.68 - 59.98 Breccia zone - qz healing						
				59.98 - 61.08 Strong qz. veining						
			5-10	61.42 2cm. qz. vein						
				61.72 5cm. qz vein						
			5-10	61.90 1.5cm qz vein						
				62.00 - 63.09 Strong qz veining						
			20	63.64 - 64.16 1-2 cm K-spar-qz band						
				64.68 - 66.08 1-2 cm " " "						
				64.86 - 65.14 Fault-breccia zone						
65			25	64.86						
			0-5	65.14 65.22 65.22 - 65.53 Fault gouge						
				66.54 - 66.72 3cm. qz vein						
				68.28 - 1-2mm. K-spar-qz band				Int.		
			10	68.92 - 70.01 0.5-1 mm. specks of K-spar						
				disseminated in rock (1-2%)						
			10	68.70 - Fault - m. gouge						
				70.41 - 2cm. K-spar-qz band						
			15	70.65 - 2 mm. K-spar-qz band						
	100			68.70						
			25							
70			20	70.84 - 71.51 QZ - CHL. SCHIST						
				70.84						
				70.86 - Two 2 mm. K-spar-qz bands						
			25	71.51						
				71.51 - 73.52 QZ - BI SCHIST					Mod.	
									Wk.	
				71.54 - 73.82 Wk-mod K-spar alt'n		1-3 Py			Mod	
			20						Wk-mod	
				73.52						
			15	73.52 - 81.53 QZ - CHL. SCHIST - qz bands outline minor						
				drag folds (2 mm. crest to crest)						
75				75.22 - 75.41 2 cm band of K-spar						
				specks (1-2 mm)						
			10	76.10 - 1 cm K-spar-qz band						
				76.38 1-2 mm K-spar band						
	25			76.87						
				76.87 - 77.72 Occ. 2-5mm. K-spar-qz						
			20	77.48 bands.						
	95			76.87 - 77.48 Fault - some gouge		Kfs. Tr Py.				
				77.88 - 78.09 1-2 mm specks K-spar		5-7				
				(3-5% of rock)						
			20			2-3				
80	80			78.33 - 78.46 2-3 mm specks K-spar		1-2				
				(3-5% of rock)						

PAGE 6 OF 13 | PROJECT: | HOLE No. 84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Cpy C	D	K-spar E	FRACT INTENSITY
80			80.07 80.28 80.47 25	78.46 - 78.70 7cm K-spar-actin. skarn band			Tr-1	1-3 Po		
			81.53 0-5	79.28 - 79.37 Freq. 0.5-1cm K-spar bands (30% of rock)						
			82.69 82.81 83.03 30	79.64 - 80.07 K-spar-actin. skarn 80.28 - 80.47 " " "		Tr-1			Wk	
			84.12	81.53 - 82.81 Qz-Bi SCHIST - wk. K-spar alt'n 82.69 - 82.81 V. broken - fault?						
85			10	82.81 - 84.12 Qz-CHL SCHIST 83.03 - Fault gouge + fracs.						
			15	84.12 - 93.21 Qz-Bi-CHL SCHIST - 1:1 Bi/chl. 91.04 - 4cm. qz vein (45° to core)						
	100		20		Tr	Tr				
			15							
90			20							
			20							
			93.21	93.21 - 99.91 Qz-CHL SCHIST - increase in qz bands and qash veins						
			30	93.70 - 93.94 K-spar-actin. skarn	Tr	25-30				
				94.82 - 95.04 Specks K-spar (3-5%)						
95				95.74 - 95.98 5cm. qz band						
				97.99 - 98.63 Mafic volc? sill						
			30 Qz	98.79 - 98.85 Fault gouge (60° to core)						
			20							
			20 Volc?							
			Fault gouge	99.91 - 100.49 K-SPAR - ACTIN. SKARN		10-15	1-3			Mod-int.
100			99.91							

PROJECT:

HOLE No. GL 84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Cpy C	Mo D	E	FRACT INTENSITY
100			35	100.49		10-15	1-3			
				100.49-109.00 QZ-CHL SCHIST						
				101.83-102.17 Breccia zone-fault @ 102.11 m.		Tr-1				
			15	102.17-102.23 Specks K-spar						
			20	102.29 - Fault gouge						
				104.36-104.45 1-2 mm specks K-spar (1-2%)						
			20	105.16- 3cm qz band						
105				105.46-105.86 1-2 mm specks K-spar (1-2%)						
			20	106.13-106.31 " "						
				106.31-106.38 4cm qz band						
	100			106.92-107.02 1-2cm K-spar band						
			20	107.29-107.56 K-spar-actin sk.		1-3				
				109.00						
			15	109.00-110.33 BI? - ACTIN. ± K-SPAR SKARN - v. fine grained black mineral which may be biotite		15-20				
110			Qz	110.33						
			20	110.33-113.51 QZ-BI? ± CHL. SCHIST						
				110.67-110.95 Qz band		Tr				
			Qz 25	111.56 1 cm. qz band	Tr			Tr		
				112.17-112.65 Qz band - speck MoS_2						
				113.51						
	40		20	113.51-114.39 FAULT - BRECCIA ZONE - strong qz. veining						
				114.39						
115			40	114.39-120.18 QZ-CHL ± BI SCHIST - bleached (talc alt'n?) near fault and strong qz veining						
			30	Qz stkwk. 114.39-114.70 Bleached						
				114.85 5cm. qz. band						
	100			115.21-115.52 Weak breccia zone						
			30	115.82-117.04 Qz stockwork - bleached (talc alt'n?)						
				117.04-120.18 Mod. bi alt'n						
			20	119.05-119.48 Fault gouge						
	40									
120	100		15							

PAGE 8 OF 13 | PROJECT: | HOLE No. GL 84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Cpy C	D	E	FRACT INTENSITY
120				120.18						
			35	120.18-121.83 Qz-Bi ± Chl. Schist						
			25	121.58-121.83 Numerous K-spar bands (1-7 mm)						
			50	121.83	Tr-1	Tr-1	Tr			
				122.96						
				121.83-122.96 K-SPAR ± ACTIN ± Bi SKARN						
				122.07-122.22 Qz vein						
				122.65-122.77 2 cm qz vein						
			25	122.96-125.15 Qz-Chl SCHIST						
125			0-10	125.15						
			85	123.84-124.72 Numerous K-spar bands (1-5 mm.)	Tr					
			erratic	125.15-127.53 K-SPAR - Bi ± ACTIN. SKARN - sections bi-actin. skarn.		Tr-1	Tr			
			35		3-5					
					15-20	1-3				
						Tr-1				
			erratic	127.53						
				127.53-128.44 Qz-HEALED BRECCIA ZONE - frags. chl. schist, K-spar skarn, qz	3-5					
			Qz 15	128.44		Tr				
					1-3					
	100			128.44-142.10 Qz-Chl ± Bi SCHIST	Tr					
130				128.44-128.93 1-3 cm qz vein						
			20	128.69-129.24 Occ. K-spar-actin-bi skarn band						
				131.87 Qz-healed fracture (3-20 mm)						
			20	134.08-134.29 Qz-healed breccia			Tr			
				136.73-136.79 " " "						
				136.86-136.98 Fault breccia zone						
			25	137.16-137.77 K-spar-bi-qz ± actin. skarn						
				138.96-139.29 Fault breccia + gouge						
135			20	139.69-139.81 " " "		Tr-1				
				139.96-140.11 " " "						
			20	140.11-141.61 Numerous K-spar bands (1-10 mm)						
			0-5							
			30	142.10 Fault (90° to core)			Tr			
			20			Tr				
140			25							

PROJECT:

HOLE No. GL 84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Cpy C	Ars. D	K-spar E	FRACT INTENSITY
140			25 0-5			Tr	Tr			
			0-5	142.10-142.80 Qz-Bi SCHIST 142.10						
				142.40-142.59 Breccia w. K-spar bands		Tr				
				142.80						
			10-20	142.80-143.47 K-SPAR-ACTIN-Qz SKARN - lower contact may be faulted. 143.47		Tr-1	Tr			
			10	143.47-150.57 Qz-CHL SCHIST 144.56	Tr	1-2				
145			20	143.47-144.56 K-spar-actin-bi skarn (~40% of rock)						
				143.47-144.17 Brecciated						
			20	145.08-154.90 Qz stockwork (veining ~30% of rock)						
				147.22-147.40 K-spar-actin skarn	Tr	1-2	Tr			
			Qz stkwk.	147.61 Fault gouge (60° to c.a.)						
			20							
	100									
150			25	150.57-154.75 Qz-Bi ± CHL SCHIST 150.57		5-7		Tr		
			0-15							
			Qz stkwk.			Tr	Tr			
			20							
				154.75-156.51 K-SPAR ± ACTIN ± Bi SKARN 154.75						
155			35			Tr-1				
					Tr	5-7	Tr-1			
				156.51-159.62 Qz-CHL SCHIST 156.51		Tr				
			20	159.41-159.62 Qtz K-spar bands (<1cm)						
			20							
			25	159.62-160.57 Qz-Bi SCHIST - mod. to int. K-spar alt'n 159.62		Tr-1	Tr			mod to int.
160										

PAGE 10 OF 13 | PROJECT: | HOLE No. GL84-4

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py A	Po B	Cpy C	Ars D	K-spar E	FRACT INTENSITY
160				160.57-167.64 CHL ± BI ± QZ SCHIST		Tr-1	Tr		mod-int	
				160.57						
			25	162.46-166.42 Qz. stockwork - microveinlets crosscut schistosity.						
			30	163.16-163.68 Occ. K-spar band (1-5 mm.)	1-2			Tr		
			30	165.20 Qz-healed breccia		Tr-1	Tr			
			30	Qz stkwk. 165.35-165.96 Numerous K-spar bands (1-3 mm)	Tr-1	8-10				
165				166.48-166.63 3 cm K-spar band						
	100		25	166.94-167.64 Numerous K-spar-bi ± actin. skarn bands		Tr				
				167.03 1.5 cm qz vein (0° to core)						
			30	167.64-170.69 BI ± QZ SCHIST	Tr-1	10-15	Tr-1			
				167.64						
			Qz	167.94-168.40 Qz vein						
			30	170.38 3 cm. qz vein						
				170.66 1 cm " "						
				168.04-168.07 5-7% MoS_2						
170			30							
				170.69						

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	oz/t. Ag	oz/t. Au	COMPOSITE ASSAYS
- K-spar - actin. skarn (3-5 po-py, tr ars.)		23.93-24.23		9014				.02	.001	
- Qz-bi schist + K-spar skarn		28.65-28.80		9015				.02	"	
(3-5 po ± py)										
- Chl. schist (3-5 po, tr. cpy)		35.36-35.81		9016				.01	"	
- Actin. ± K-spar skarn (15-20 po, tr cpy)		35.81-36.06		9017				.07	"	
- Chl. schist (Tr-1 po ± py)		36.06-36.88		9018				.01	"	
- Chl. schist (1-2 po, tr. cpy)		49.29-50.14		9019				.01	"	
- Qz.-bi schist w. mod. K-spar alt'n		71.54-71.93		9020				.02	"	
- Qz-bi schist w. wk. K-spar alt'n		71.93-72.60		9021				.03	"	
(no visible sulphs.)										
- Qz-bi schist w. mod. K-spar alt'n		72.60-72.91		9022				.01	"	
(no visible sulphs)										
- Qz-bi schist w mod K-spar ± actin.		72.91-73.09		9023				.01	"	
alt'n (1-3 py)										
- Qz-bi schist/Chl schist w. wk.-mod.		73.09-73.82		9024				.04	"	
K-spar alt'n (No visible sulphs)										
- Qz-chl schist w. occ. K-spar band		76.11-76.87		9025				.01	"	
(No visible sulphs)										
- Fault zone, broken qz-chl schist		76.87-77.48		9026				.01	"	
w. K-spar bands (No visible sulphs)										
- Qz-chl schist w. wk K-spar alt'n		77.48-78.46		9027				.01	"	
(Tr. po)										
- K-spar-actin. skarn (5-7 po)		78.46-78.70		9028				.01	"	
- Qz-chl. schist (Tr-1 po)		78.70-79.28		9029				.02	"	
- Qz-chl. schist w. freq. K-spar		79.28-79.37		9030				.02	"	
bands (Tr. po)										
- Qz-chl. schist (2-3 po)		79.37-79.64		9031				.01	"	
- K-spar-actin. skarn (1-2 po)		79.64-80.07		9032				.01	"	
- Qz-chl schist (No visible sulphs)		80.07-80.28		9033				.02	"	
- K-spar-actin. skarn (Tr-1 po)		80.28-80.47		9034				.01	"	
- Qz-chl. schist w. minor skarn		80.47-81.38		9035				.01	"	
(Tr-1 po)										
- Qz-chl schist (no visible sulphs)		93.09-93.70	0.61	9037				.03	"	
- K-spar-actin. skarn (25-30% po, tr py)		93.70-93.94	0.24	9038				.02	"	
- Qz-chl. schist (no visible sulphs)		93.94-94.55	0.61	9039				.04	"	
- " " " (" " ")		99.06-99.67	0.51	9040				.03	"	
- " " + K-spar schist (no visible sulphs)		99.67-99.91	0.24	9041				.02	"	
- K-spar-actin. skarn (1-3 cpy, 10-15 po)		99.91-100.49	0.58	9042				.04	"	

BIG COUNTRY PRINTERS QUESNEL

 PROJECT: HOLE No. GL 84-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	oz/t. Ag	oz/t. Au	COMPOSITE ASSAYS
- Qz-chl schist (no visible sulphs)		100.49-101.19	0.70	9043				.03	.001	
- K-spar-actin skarn (1-3 po)		107.29-107.56	0.27	9044				.03	.005	
- Qz-chl. schist (no visible sulphs)		107.56-109.00	1.44	9045				.02	.001	
- Bi-actin. ± K-spar skarn (15-20 po)		109.00-110.34	1.34	9046				.04	.009	
- Qz-bi ± chl schist (tr. po)		110.34-110.67	0.33	9047				.02	.003	
- " " ± K-spar schist (no sulphs)		121.22-121.83	0.61	9048				.03	.001	
- K-spar ± actin. skarn (tr-1 po, py; tr cpy)		121.83-122.74	0.91	9049				.01	.009	
- K-spar-bi ± actin. skarn (tr-1 po)		122.74-122.96	0.22	9050				.03	.008	
- " " " " (tr-1 po; tr py, cpy)		125.15-125.97	0.82	9051				.01	.003	
- Bi-actin. skarn (tr-1 po; tr py, cpy)		125.97-126.80	0.83	9052				.03	.009	
- K-spar-bi ± actin. skarn (3-5 py, tr-1 po, tr cpy)		126.80-127.53	0.73	9053				.01	.003	
- Qz healed breccia zone (3-5 py, tr po)		127.53-128.44	0.91	9054				.02	.005	
- Qz-chl. schist w. wk K-spar bands (+3 py, tr po)		128.44-129.24	0.80	9055				.02	.006	
- Qz-chl schist/qz-bi schist (tr py, po)		129.24-129.84	0.60	9056				.02	.002	
- Bi-chl. schist (tr cpy)		129.84-130.45	0.61	9057				.01	.001	
- Bi?-chl. schist (tr-1 po, tr cpy)		133.81-134.42	0.61	9058				.02	.002	
- Qz-bi-chl.schist w. K-spar bands (tr po, py)		140.12-141.61	1.49	9059				.02	.001	
- Qz-chl schist (no visible sulphs)		141.61-142.10	0.49	9060				.02	.001	
- Qz-bi schist (tr po, cpy)		142.10-142.80	0.70	9061				.04	.004	
- K-spar-actin-qz skarn (tr-1 po, tr py, cpy)		142.80-143.47	0.67	9062				.01	.003	
- Qz-chl schist w. 40% K-spar-actin-bi skarn (1-2 po, tr py, cpy)		143.47-144.57	1.10	9063				.02	.001	
- Qz-chl schist (no visible sulphs)		144.57-145.18	0.61	9064				.01	.002	
- " " " (5-7 po, tr cpy, ars)		150.27-150.66	0.39	9065				.06	.005	
- Qz-bi ± chl. schist w. K-spar bands (tr. po, cpy)		154.14-154.75	0.61	9066				.03	.001	
- K-spar ± actin ± bi skarn (tr-1 po, tr py, cpy)		154.75-155.54	0.79	9067				.03	.003	
- K-spar-actin. ± bi skarn (5-7 po, tr-1 cpy, tr py)		155.54-156.18	0.64	9068				.04	.012	
- K-spar-actin. skarn/chl.schist (tr po, py)		156.18-156.51	0.33	9069				.01	.003	

 PROJECT: HOLE No. GL 84-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	oz/t.	oz/t.	COMPOSITE ASSAYS
- Qz-chl. schist (no visible sulphs)		156.51-157.12	0.61	9070				.02	.003	
- Qz-K-spar-bi schist (tr-1 po, tr cpy)		159.62-160.57	0.95	9071				.01	.002	
- Chl ± bi schist (1-2 py, tr-1 ars, tr po)		161.97-162.46	0.49	9072				.01	.010	
- " " " (tr. po, py)		162.46-163.16	0.70	9073				.01	.003	
- " schist (tr-1 po, tr cpy)		163.16-163.83	0.67	9074				.01	.001	
- Qz-chl. schist (8-10 po, tr-1 py, tr cpy)		163.83-164.07	0.24	9075				.03	.001	
- " " " w. K-spar bands (tr. po)		166.12-166.94	0.82	9076				.01	.001	
- " " " " " -bi ± actin. skarn (10-15 po, tr-1 py, cpy)		166.94-167.64	0.70	9077				.02	.001	
- Bi ± qz schist (tr po, tr-1 MoS_2)		167.64-168.25	0.61	9078				.01	.001	

BIG COUNTRY PRINTERS QUESNEL

Appendix 11

Assay Certificates

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

DATE RECEIVED: OCT 12 1984

DATE REPORT MAILED: Oct. 16/84.

ASSAY CERTIFICATE

- SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY EXPLORATION PROJECT # 7304 FILE # 84-2991 PAGE 1

	SAMPLE#	Ag** oz/t	Au** oz/t
GL 84-1	9121	.14	.001
	9128	.02	.017
	9130	.03	.007
	9131	.03	.015
	9132	.01	.001
	9133	.01	.001
	9134	.02	.001
	9135	.03	.001
	9136	.01	.001
	9137	.01	.001
GL 84-2	9138	.01	.001
	9139	.01	.001
	9140	.01	.001
	9141	.01	.001
	9142	.01	.001
	9143	.01	.001
	9144	.03	.001
	9145	.01	.001

NOTE
to convert oz/ton
to gm/tonne
multiply by 34.28

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

DATE RECEIVED: OCT 16 1984

DATE REPORT MAILED: Oct. 19/84

ASSAY CERTIFICATE

- SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY EXPLORATION PROJECT # 7304 FILE # 84-3045 PAGE 1

GL 84-1

SAMPLE#	Ag** oz/t	Au** oz/t
2030	.02	.003
2031	.02	.005
2032	.04	.001
2033	.04	.001
2034	.02	.001
2035	.01	.001
2036	.03	.005
9147	.11	.052
9148	.06	.010
9149	.02	.013
9150	.03	.020

ME ANALYTICAL LABORATORIES LTD.
52 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
HONE 253-3158 TELEX 04-53124

DATE RECEIVED: OCT 19 1984

DATE REPORT MAILED: Oct 23/84

ASSAY CERTIFICATE

- SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY EXPLORATION FILE # 84-3063 PAGE 1

	SAMPLE#	Ag** oz/t	Au** oz/t
GL 84-3	095251	.01	.001
	095252	.01	.004
	095253	.03	.016
	095254	.05	.012
	095255	.18	.068
GL 84-1	095256	.04	.012
	095257	.05	.015
	095258	.06	.031
	095259	.01	.008
	095260	.02	.005
	095261	.01	.004
	095262	.02	.006
	095263	.05	.009
	095264	.03	.005
	095265	.01	.001
	095266	.01	.001
	095267	.01	.002
	095268	.02	.006
	095269	.01	.002
	095270	.01	.001

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

DATE RECEIVED: OCT 22 1984

DATE REPORT MAILED: Oct. 25/84

ASSAY CERTIFICATE

- SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY EXPLORATION FILE # 84-3084 PAGE

SAMPLE#	Ag** oz/t	Au** oz/t
GL 84-1 095~~270~~ 290 K.T.	.03	.001
095271	.01	.001
095272	.01	.001
095273	.09	.005
095274	.01	.001
095275	.02	.012
095276	.10	.003
095277	.01	.001
095278	.02	.001
095279	.01	.001
095280	.03	.006
095281	.01	.006
095282	.03	.001
095283	.01	.001
095284	.02	.001
095285	.01	.010
095286	.01	.001
095287	.02	.005
095288	.01	.001
095289	.01	.001
095291	.05	.001
095292	.03	.001
095293	.02	.001
095294	.03	.001
095295	.02	.001
095296	.01	.001
095297	.01	.001
095298	.01	.001
095299	.03	.015

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

DATE RECEIVED: OCT 26 1984

DATE REPORT MAILED: 2 Nov 1984

ASSAY CERTIFICATE

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

ASSAYER: C. Leong for DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY EXPLOATION FILE # 84-3157A PAGE 1

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t	
9001	.01	.04	.002	
9002	.01	.07	.001	GL 84-1
9003	.01	.04	.004	
9004	.01	.06	.001	
9005	.01	.05	.001	
9006	.01	.01	.001	GL 84-2
9007	.01	.02	.002	
9008	.01	.04	.002	
9009	.03	.01	.004	
9010	.01	.02	.001	
9011	.01	.04	.002	GL 84-3
9012	.06	.03	.002	
9013	.01	.04	.001	
95300	.01	.05	.005	GL 84-1
STD C-8	1.07	5.54	-	