

6135

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

DIAMOND DRILL REPORT

DDH's 76-45 & 76-46

MINERAL CLAIMS HARRISON 15 & LUCKY JIM

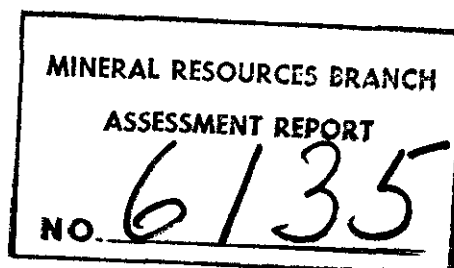
(RECORD # 10951, M3296)

NEW WESTMINSTER M.D., B.C.

NTS 92H/5W

SEPT. 30/76 - NOV. 16/76

J.A. TURNER




DEC. 14/76


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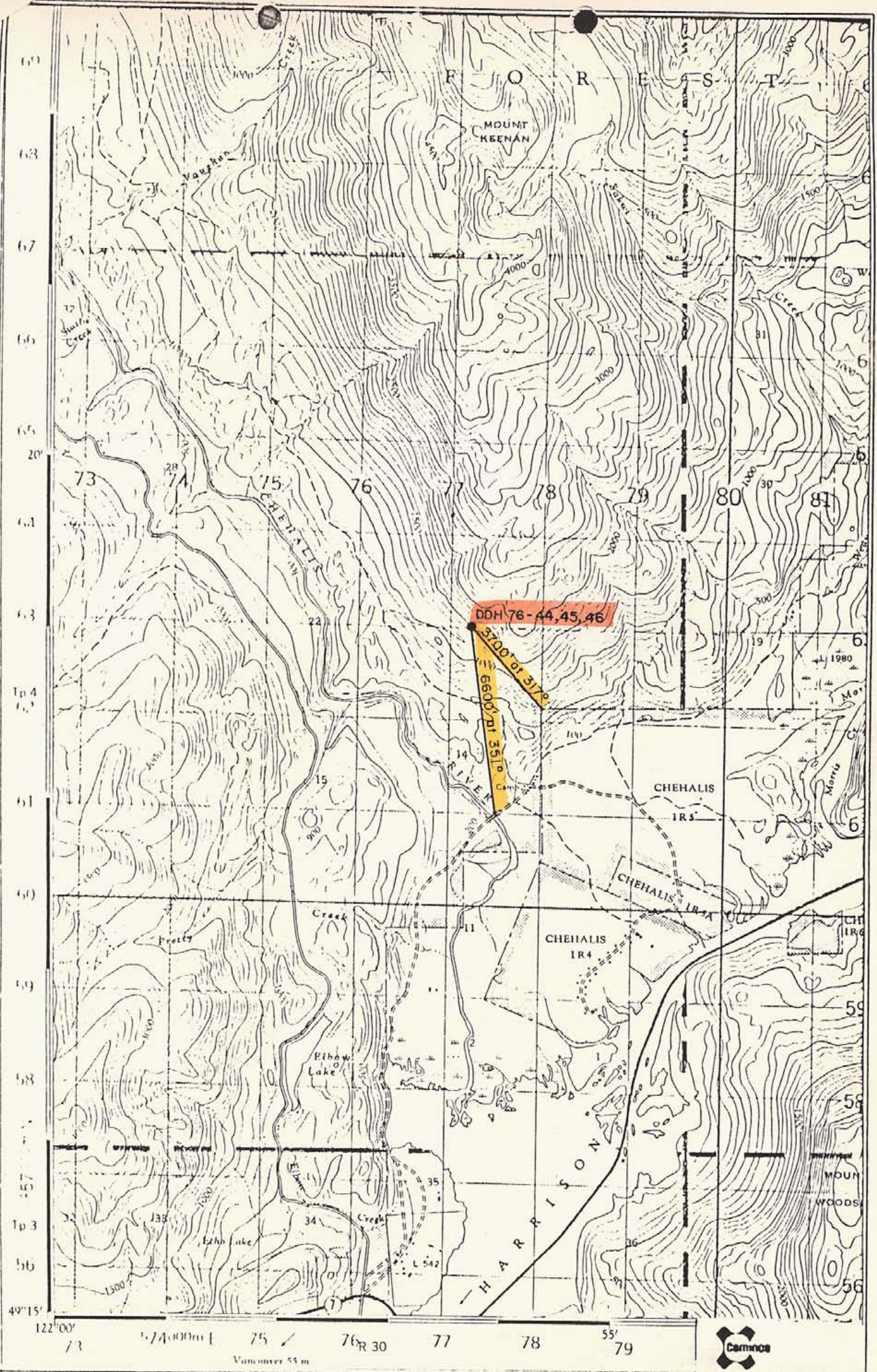
Index Map 1:50,000
Diamond Drill Hole Map 1"=1000 ft.
Statement of Qualification
Cost Statement
Drill Core Logs DDH 76-45, DDH 76-46

Endorsed by:


S. J. Pedley
Assistant Manager
Exploration

Approved for
Release by:


W. T. Irvine
Manager, Exploration



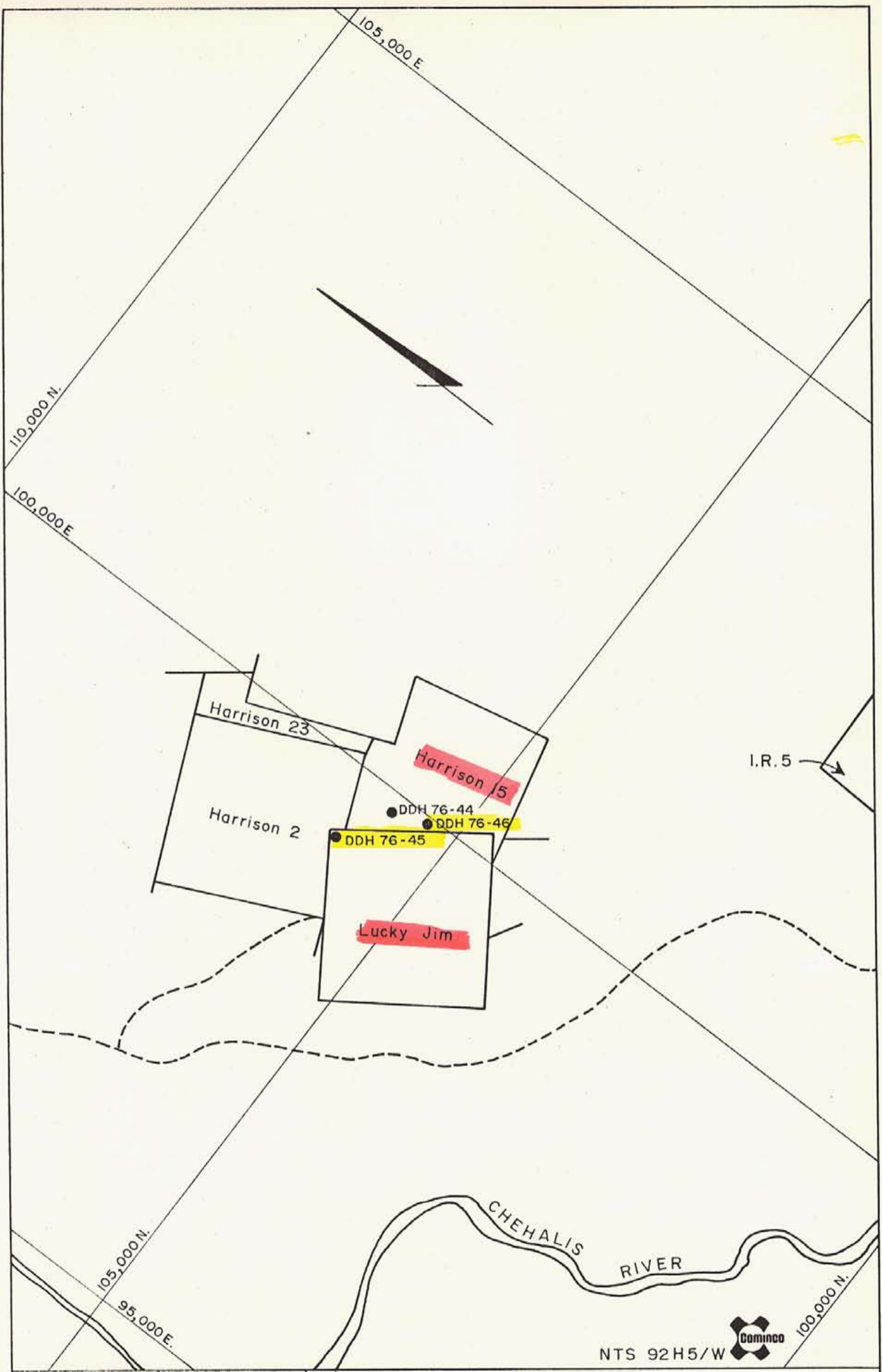
Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

SENECA OPTION
DRILL HOLE LOCATION

Scale: 1:50,000

Date: October 27, 1976

Plate



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

**SENECA OPTION
DRILL HOLE LOCATION**

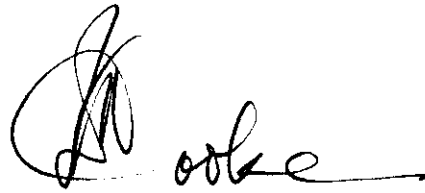
Scale: 1" = 1000' Date: October 27, 1976 Plate:

STATEMENT OF QUALIFICATIONS

I, D.L. Cooke, Senior Geologist, P. Eng., for Cominco Ltd., Exploration Western District, of 200 Granville Square, Vancouver, B.C. hereby declare that Mr. J.A. Turner has examined the core and written the logs for Diamond Drill Report 76-45, 76-46 of the Seneca property, New Westminster Mining Division, British Columbia.

Mr. Turner received his B.Sc. in Physics from the University of British Columbia in 1973.

He has worked five seasons in mineral exploration all of which were completed with Cominco Ltd., Western District Exploration.

A handwritten signature in black ink, appearing to read 'D.L. Cooke', written over a horizontal line.

D.L. Cooke, P. Eng.
Senior Geologist



CAMERON McCUTCHEON DRILLING LIMITED

DIAMOND DRILLING CONTRACTORS

Telephone 253-5251
Telex: 04-54311

745 Clark Drive
Vancouver, B.C.
V5L 3J3

INVOICE NO. 12012
JOB NO. 324
OCTOBER 14th, 1976

72307

Cominco Ltd.
200 Granville Street
Vancouver, B.C.
V6C 2R2

Attention: Mr. G.J. Ryznar
Senior Geologist, Western District.

RE: TESTING OF A NEW DRILL ON THE SENECA PROPERTY
NEAR HARRISON MILLS, B.C.

1. NQ CORING

HOLE NO. 76-44	514' - 1008'	=	494' @ \$9.00	=	\$4,446.00
HOLE NO. 76-45	0' - 15'	=	15' @ \$9.00	=	135.00
					\$4,581.00

2. SITE COSTS

SCHEDULE A SUPPLIES	<u>609.12</u>
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TOTAL SEPTEMBER BILLING **AB** \$5,190.12

SUMMARY

<u>DATE</u>	<u>INVOICE NO.</u>	<u>BILLING NO.</u>	<u>AMOUNT</u>
SEPT. 14/76	12009	1st	\$5,178.28
OCT. 14/76	12012	2nd	<u>5,190.12</u> ←
BILLED TO DATE			<u>\$10,368.40</u>

AMOUNT TO BE PAID \$5,190.12
 SENECA 232-58-3100
[Signature]

CM

CAMERON McCUTCHEON DRILLING LIMITED

DIAMOND DRILLING CONTRACTORS

Telephone 253-5251
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745 Clark Drive
Vancouver, B.C.
V5L 3J3

72406

INVOICE NO. 12016
JOB NO. 324
NOVEMBER 8th, 1976

Cominco Ltd.
200 Granville Street
Vancouver, B.C.
V6C 2R2

Attention: Mr. E.J. Ryznar,
Senior Geologist, Western District.

RE: TESTING OF A NEW DRILL ON THE SENECA PROPERTY -
NEAR HARRISON MILLS, B.C.

THIRD BILLING - OCTOBER 1st - 21st, 1976

1. NQ CORING

HOLE 76-45 15' - 637' = 622'
HOLE 76-46 0' - 508' = 508'

1,130' @ \$9.00/FT. = \$10,170.00

ENTERED

2. SITE COST CHARGES

SCHEDULE A LABOUR & EQUIPMENT 397.00
SCHEDULE B SUPPLIES 195.73

TOTAL SEPTEMBER BILLING

\$10,762.73

AMOUNT TO BE PAID \$10,762.73

SUMMARY

SENECA 232-58-3100

[Signature]

DATE	INVOICE NO.	BILLING NO.	AMOUNT
NOV. 5th/76	12016	1st & 2nd	\$10,368.40
		3rd	10,762.73
			<u>\$21,131.13</u>

paid also

Scale

Colour Plot
& Dips

Drill Hole Record



Property	Seneca Property	District	New Westminster	Hole No.	76-45
Commenced	Sept. 30/76	Location	Line 21 ^{+40S} 11 ^{+00E}	Tests at	637' -83°
Completed	Oct. 12/76	Core Size	NQ	Corr. Dip	-80°
Co-ordinates		True Brg.	050°	Logged by	J.A. Turner
Objective	To test results found in DDH-15			% Recov.	98%
				Date	October 12, 1976

Claim

T Brg. 050°

Collar Dip -80°

Elev. 1429.74

Length 637'

Hole No. 45 Sheet 1

Footage From To	Description	Sample No.	Length	Analysis
0 - 3	Overburden			
3 - 6	Andesite Tuff: fine to medium grained, dark green tuff			
6 - 75½	Dacite porphyry flow: Light to dark green; <5% calcite filled amygdalae; minor zeolitization; calcite-zeolite tension gashes; occasional fine-grained sections; feldspars-chloritic with typical felted matrix, similar to dacite porphyry units in DDH-44; moderately magnetic (1-3% magnetite-disseminated) This unit grades into a dacite-crystal tuff -amygdaloidal			
50 - 75½	calcite filled tension gashes			
75½ - 76½	Dacite porphyry flow breccia -tuff breccia -autoclastic			
76½ - 80	Dacite porphyry flow? -hematised feldspars -light green -minor calcite fillings tension gashes			
80 - 100	Coarse sediments i.e. tuffs, bedded crystal tuffs showing graded bedding, slump structures, etc. -bedding 60°/core axis -often 2' sections of lapilli tuffs and andesitic tuffites -some rusty sections throughout -lapilli sections - strongly magnetic -other sections - weakly magnetic			

Drill Hole Record



Property	Seneca Property	District	Hole No.
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by <i>AF</i>
Objective		% Recov.	Date

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. 45

Sheet 2

Footage From	To	Description	Sample No.	Length	Analysis					
100	108½	Mixed unit of dacite crystal tuff and lapilli-flow?; subhedral feldspars; similar to 76½-80 unit								
108½	177½	Mixed unit of dacite porphyry flow breccia. Dacite porphyry flows and dacite crystal tuffs.								
		-breccia is actually a tuff breccia								
		-matrix is same composition as fragments								
		-calcite filled tension gashes								
		-chloritized								
		-zeolitized								
		-at 140-172': argillaceous matrix is observed								
		-minor sulfide in matrix								
		-similar to flow breccia in DDH-44								
		-flow breccia is separated by flows ~5'								
		-often breccia looks like shear breccia								
177½	273	Dacite porphyry flow								
		-often a crystal tuff								
		-sheared section at 184-187								
		-calcite filled amygdales ~10%, tension gashes								
		-often flow breccia sections								
		-more andesitic last 10' of unit								
		-with flow breccia at base i.e. contact with sediments								
		-hematitic argillaceous matrix								
		-chloritized								
		-weathered contact zone 241'								

Scale

Colour Plot
& Dips

Drill Hole Record



Property	Seneca Property	District		Hole No.	
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.		Logged by	TH
Objective		% Recov.		Date	
Footage	Description	Sample No.	Length	Analysis	
From To					
309 - 315	Mixed unit of dacite crystal tuffs, andesite tuffs and tuff breccia; occasional fragment rhyodacite porphyry.				
315 - 320	Dacite-andesite lapilli tuff -multilithic -hematized				
320 - 335	Mixed unit of andesite tuff, lapilli tuffs and brecciated tuffs -shearing (slickensides) at 335' -andesite tuff being more prevalent -chloritized - hematitic				
335 - 341	Contact zone with sediments and dyke -mixed rhyodacite porphyry and argillaceous tuffs. Brecciated. i.e. contact breccia				
341 - 347½	Rhyodacite porphyry dyke				
347½-353	Andesite lapilli tuff -multilithic -hematite				
353 - 393	Rhyodacite porphyry dyke -only 2' sections of lapilli at 355-360' -sedimentary sandy band at 362-363' -slickensides at 360' i.e. contact fault				

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.

Sheet

15

1

Scale

Colour Plot
& Dips

Drill Hole Record



Property Seneca District New Westminster Hole No. DDH 76-46

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by *AT*

Objective % Recov. Date

Footage From To	Description	Sample No.	Length	Analysis					
				Cu	Pb	Zn	Ag	Au	
	627'-634½': Sheared zone								
	-dacite porphyry, possible fault shear								
	-hematized								
	634½-638': Andesite dyke or sill								
	638'-649': Dacite porphyry and dacite porphyry flow breccia								
	649'-651': Andesite dyke or sill								
	651'-667': Possible ore zone fragmental-dacite porphyry agglomerate-fine argillaceous matrix	5164I	2'	0.02	<.05	<.05	0.08	<.002	
	(flow breccia)								
	-some hangingwall marker type fragments above assay zone (654'4"-656'4"--2') and								
	dacitic crystal tuffs below zone								
	667'-671½': Dacite lapilli tuff								
	-multilithic								
	671½'-675': Dacite crystal tuff								
	-brecciated contact with andesite								
	675'-685': Andesite dyke or sill								
	-sheared contact at 685'								
	685'-691½': Mixed dacite lapilli tuff and andesite								
	691½'-697½': Andesite dyke or sill								
	-shear zone at 693'								
	697½'-714': Dacite tuff								
	-light green, fine grain								
	-occasional porphyritic fragment								

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.

Sheet

Scale

Colour Plot
& Dips

Drill Hole Record



Property Seneca District New Westminster Hole No. DDH-76-46

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by *[Signature]*

Objective % Recov. Date

Footage		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.
From	To										
		714'-782': Andesite dyke or sill									
		782'-785': Mixed dacite crystal tuffs and cherty tuffites, brecciated, hematized									
		785'-843': Andesite dyke or sill									
843 -	898	Footwall marker - tuff breccia (dacitic to andesitic)									
		-shows flow banding acid fragment size approximately $\frac{1}{2}$ " in first 20' (largest 3")									
		approximately 1% in fragments this size									
		-chlorite alteration									
		-similar to footwall rocks in DDH 76-44									
		Fragment to matrix ratio is 10:1 in places and 1:30 in others throughout section									
		-most fragments are stretched and zeolitized									
898		End of Hole.									