

5990

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

DIAMOND DRILL REPORT

C76-1

MINERAL CLAIM IT 27, RECORD NO. 4278

RUDDOCK CREEK PROPERTY

51°46', 118°54'

KAMLOOPS & REVELSTOKE M.D.'s, B.C.

82M/15W

N.T.S. 82/M-15W

JULY 28 - JULY 31, 1976

G.D. HODGSON

SEPTEMBER 16, 1976

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5990 MAP

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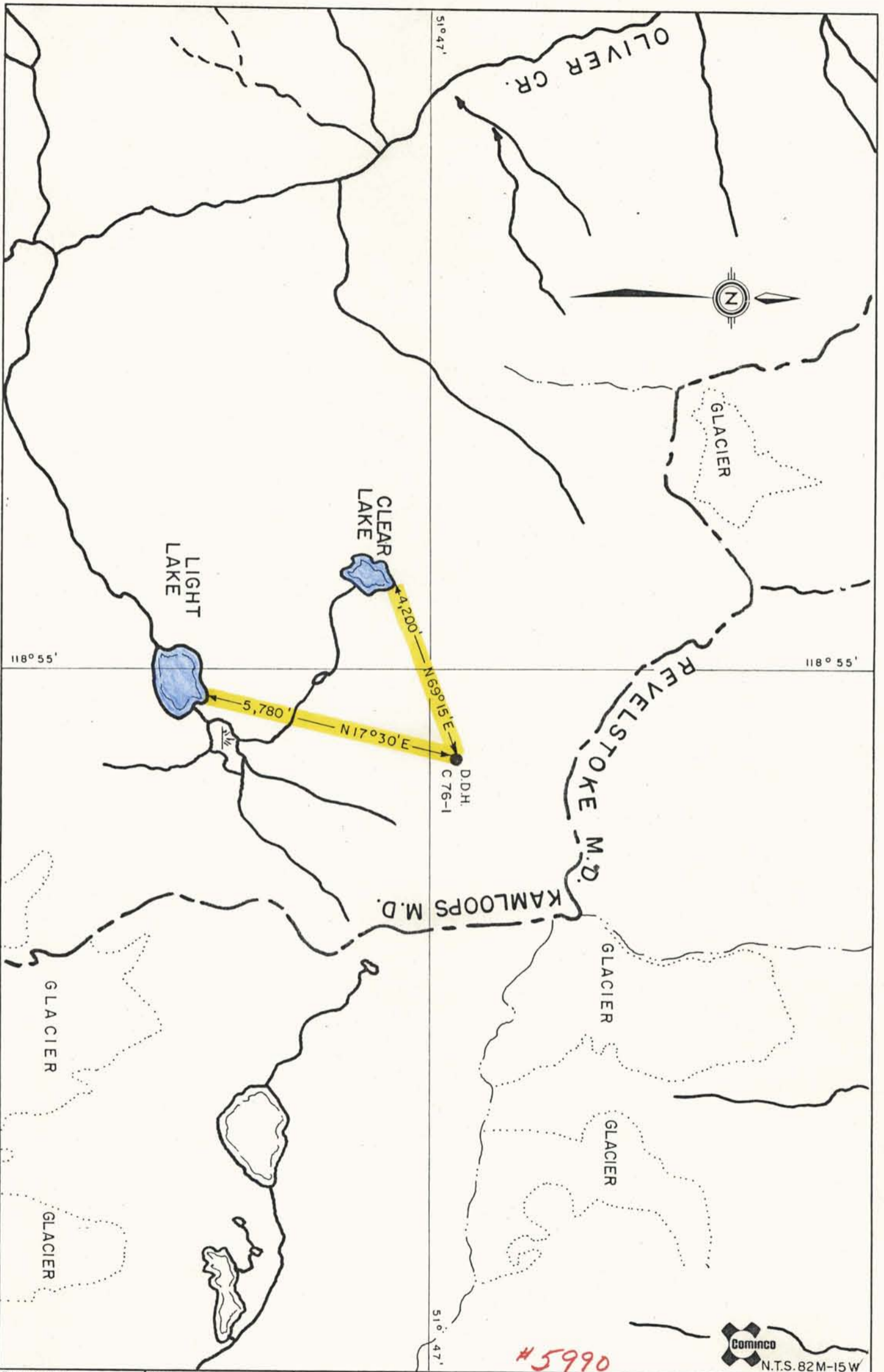
Index Map - 1" = 1/2 mile

Diamond Drill Hole Map - 1" = 400'

Statement of Qualification

Cost Statement

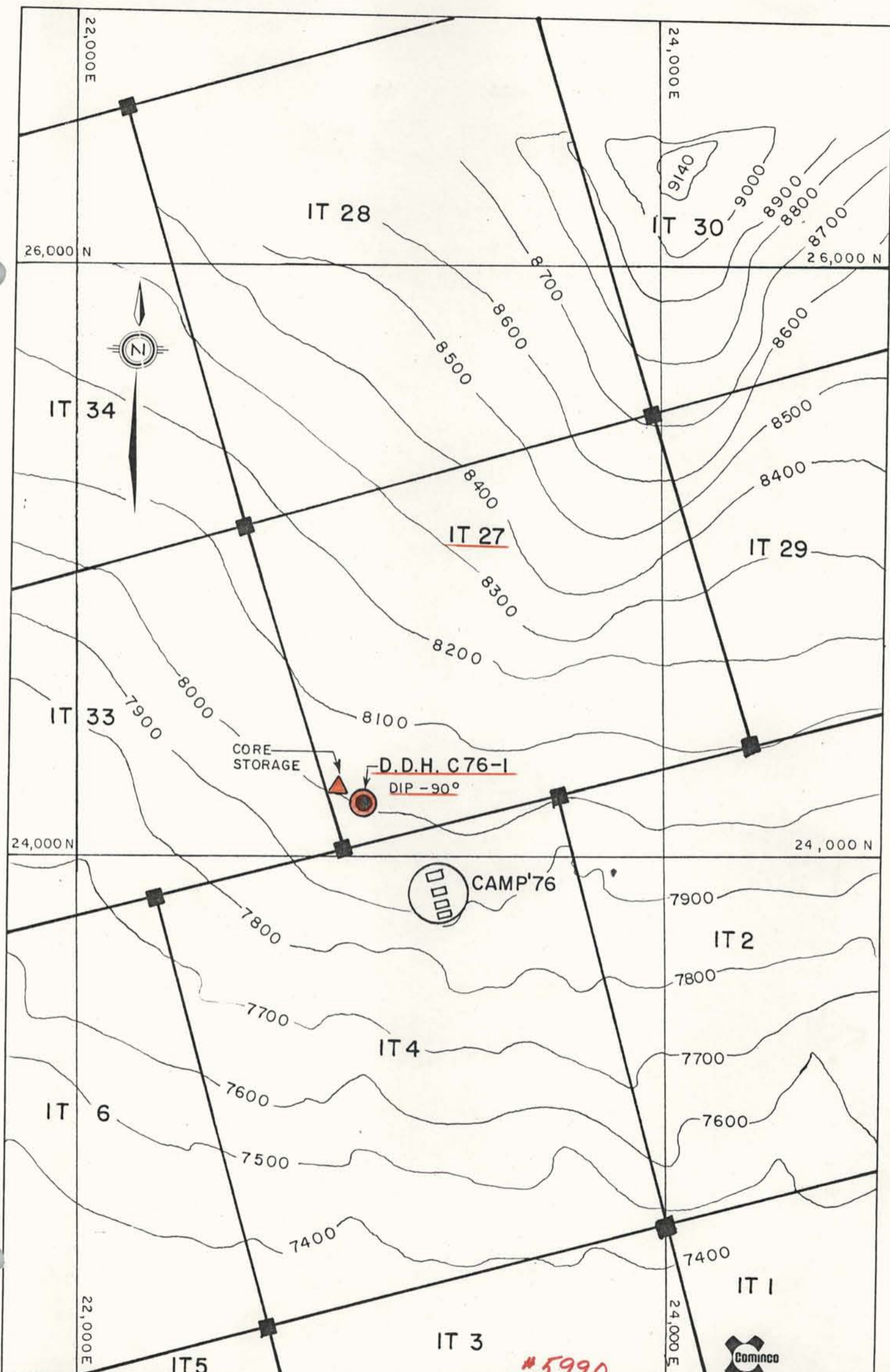
Drill Core Log - D.D.H. C76-1



Drawn by:		Traced by: s.s.s.	
Revised by	Date	Revised by	Date

RUDDOCK CREEK PROPERTY
DIAMOND DRILLING - 1976

Scale: 1" = 1/2 Mile Date: September, 1976 Plate:



Drawn by:		Traced by: S. S. S.	
Revised by	Date	Revised by	Date

RUDDOCK CREEK PROPERTY
KAMLOOPS & REVELSTOKE M.D., B.C.
DIAMOND DRILLING-1976

Scale: 1" = 400' Date: September, 1976 Plate:

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

September 16, 1976

STATEMENT OF QUALIFICATION

I, A.B. Mawer, Senior Geologist for Cominco Ltd., Exploration, Western District, of 200 Granville Square, Vancouver, B.C., hereby declare that Mr. G.D. HODGSON has examined the core and written the log for the Diamond Drill Report C 76-1 of the Ruddock Creek Property, Kamloops and Revelstoke M.D., B.C.

Mr. Hodgson received his M.Sc. in Geology from the University of Alberta in 1976.

He has worked 4 seasons in mineral exploration of which he spent 1 year with Cominco Ltd. and another season with Pine Point Mines Ltd., Pine Point, N.W.T.

A. B. Mawer

A.B. Mawer
Senior Geologist

INVOICE



CANADIAN LONGYEAR LIMITED

Diamond Core — Percussion — Geotechnical — Industrial Drilling Contractors
 NORTH BAY, ONTARIO, CANADA
 P.O. BOX 330 — CABLE LONGYEAR

TELEPHONE 474-2800
 TELEX 027-76194

Cominco Limited,
 200 Granville Square,
 Vancouver, British Columbia
 V6C 2R2

POSTAL CODE P1B 8H8

Cominco Gordon Horne 1976
 Invoice # 2815
 Invoice date: August 13, 1976
 for July 1976

terms net 30 days -- interest charged at 1% per month on overdue accounts

To: Invoice for diamond drilling performed on mining properties located at Gordon Horne Peak, near Revelstoke, British Columbia during period July 15-31, 1976 per agreement dated March 19, 1976.

Hole No.	Size	From	To	Total	Rate	
C-76-1	NQ Wireline	0	866	866	20.85	18,056.10
						<i>292-92-3130</i>
<u>Mobilization</u>						
Lump Sum 75% x \$3,100.00						<i>292-92-0700 - 2,325.00</i>
<u>Move In, Erect Camps and Wait for Helicopter</u>						
134 1/2 hours @ 47.50				6,388.75		
371 extra crew hours @ 13.50				5,008.50		
						<i>292-92-5430 - 8330.00 - 11,397.25</i>
						<i>232-92-3130 - 3064.85</i>
<u>Transporting Client Camp to Jobsite</u>						
992 miles @ 1.20						<i>232-92-4400 - 1,190.40</i>
<u>Tests</u>						
Hole C-76-1						
3 tests @ 62.55						<i>232-92-3130 - 187.65</i>
<u>Supplies Purchased for Client</u>						
Ocean Construction Supplies Ltd. (attached)				72.23		
Plus 12%				8.67		
						<i>232-92-3130 - 80.90</i>
<u>Coreboxes</u>						
250 NQ Core Boxes @ 4.50				1,125.00		
West Coast Cartage Ltd. (attached)				21.50		
						<i>232-92-3130 - 1,146.50</i>
<u>Client Meals (attached)</u>						
21 1/3 days @ 12.25						<i>232-92-5400 - 261.33</i>
<u>Camp Materials for Client Account (attached)</u>						
				2,691.61		
Plus 12%				322.99		
						<i>232-92-5420 - 3,014.60</i>

*Chge to 232.92 as shown.
 * From K B Mawer. Sept 2/76*

\$ 37,659.73

Handwritten signature and date: [Signature] 1976

Drill Hole Record



Property Ruddock Creek District Kamloops Hole No. C76-1
 Commenced July 28, 1976 Location Tests at 560' Hor. Comp.
 Completed drilling Core Size NQ Corr. Dip 88° Vert. Comp.
 Co-ordinates 24,100 N; 22,950 E (collar located by chain&compass) True Brg. N50W Logged by G.D. Hodgson
 Objective 'E' zone extension % Recov. 98% Date July 31, 1976

Claim IT 27
 T Brg.
 Collar Dip 90°
 Elev. 8000'
 Length
 Hole No. Sheet

Footage From To	Description	Sample No.	Length	Analysis				
0 - 11	Casing							
11 - 64	Pegmatite, slightly variable texture, medium-coarse grained; quartz-feldspar-biotite-muscovite-garnet; local vague foliation 80° to core axis; brown weathering towards base.							
64 - 67	Interbanded pegmatite and dark grey, fine grained gneiss; bands 70° to core axis.							
67 - 74	Grey, fine grained quartz-biotite gneiss; minor cross-cutting quartz veinlets.							
74 - 76	Pegmatite, quartz-rich; locally rusty weathering; minor biotite; minor pyrrhotite and pyrite; bands 75° core axis.							
76-86	Dark grey banded hornblende gneiss; strong foliation; minor folds with 1" amplitude; leucocratic pegmatite band at 78.5-79'.							
86 - 106	Pegmatite, leucocratic, grey, medium to coarse grained; weak foliation at 70° to core axis; quartz-biotite gneiss schlieren at 87-87.5', 92-92.5'							
106 - 117.5	Light grey, medium to coarse grained quartz-feldspar-biotite-garnet gneiss; foliation at 70° to core axis.							
117.5 - 153	Dark grey, biotite-garnet gneiss; coarse grained, leucocratic pegmatite; pegmatite at 120.5-121.5'; 10% section=rusty weathering quartz lenses up to 1/2" wide; foliation 60° to core axis; minor massive pyrrhotite and pyrite.							
153 - 169	Pegmatite, medium to coarse grained, leucocratic; minor biotite gneiss schlieren near top and bottom of section.							
169 - 175.5	Mix of banded biotite gneiss and pegmatite; foliation 60° to core axis; minor pyrrhotite and pyrite.							

#5990

AGD

Drill Hole Record



Property	Ruddock Creek	District		Hole No.	C 76-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Footage From To	Description	Sample No.	Length	Analysis						
				Claim	IT 27	T Brg.	Collar Dip	Elev.	Length	Hole No.
175.5 - 196.5	Pegmatite, coarse-grained, leucocratic; muscovite books up to 2" across; grey biotite gneiss inclusion at 187'; rusty biotite gneiss schlieren at 189-189.5'; 192-193'									
196.5 - 200	Rusty brown and black banded hornblende-biotite gneiss and quartzite; foliation 50° to core axis.									
200 - 215.5	Pegmatite, unfoliated, coarse-grained, quartz-feldspar-biotite-muscovite; medium grained granular gneiss near base; biotite gneiss schlieren at 204'.									
215.5 - 216	Medium-fine grained biotite gneiss.									
216 - 259	Pegmatite, variable, medium to medium-coarse grained, grey, quartz-feldspar-biotite-muscovite (-garnet); banded biotite gneiss schlieren at 235-236.5'.									
259 - 266.5	Mix of dark grey, medium grained biotite gneiss; foliation 70° to core axis.									
266.5 - 268	Black quartz-biotite-garnet gneiss.									
268 - 270	Green calc-silicate gneiss-actinolite, diopside; minor disseminated pyrite.									
270 - 293	Biotite-hornblende gneiss; quartzose at top; minor flesh coloured sphere; minor pyrrhotite and pyrite at 271.5'; pegmatite veins at 272.5'; 274-275'; below 276' green actinolite?; minor garnet; weak foliation at 60° to core axis; coarse grained, leucocratic pegmatite at 282; 283-284'; red bands of garnet at 287-291'.									
293 - 316.5	Pegmatite; variable, medium to coarse grained; quartz-feldspar-biotite-garnet-muscovite; dark, rusty-brown-black quartz biotite gneiss schlieren near top; minor disseminated pyrrhotite and pyrite at 302.5'; rusty weathering patches of pegmatite; rusty-brown weathering quartz-biotite gneiss schliere at 310.5'; slightly limy, green calc-silicate remnant at 314'.									

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ABM

Drill Hole Record



Property Ruddock Creek District Hole No. C 76-1

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by

Objective % Recov. Date

Footage From To	Description	Sample No.	Length	Analysis					
				Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.
316.5 - 322	Slightly limy, light green calc-silicate gneiss and quartzite; green actinolite, diopside; biotite near base; medium grained disseminated red garnet at 316.5-318.5'.								
322 - 324	Pegmatite, coarse-grained, leucocratic as above.								
324 - 353.5	Green grey calc-silicate gneiss; fine grained; quartz-feldspar-diopside-biotite pegmatite at 333-333.5'; 343-344'; 347.5-349'; 3" red disseminated granet band at 336'; minor garnet at 341'.								
353.5 - 367	Pegmatite; medium-fine to coarse grained, variable; feldspars up to 1 1/2"; biotite up to 1"; minor disseminated pyrrhotite associated with diopside, garnet band at 361-362'; vague foliation in pegmatite 80° to core axis.								
367 - 379.5	Porphyroblastic quartz-feldspar-biotite-muscovite-garnet gneiss; grey, finely banded; foliation 60° to core axis; pegmatite bands at 371'; 372.5'; 375-375.5'; 379; garnets up to 1/2" across.								
379.5 - 390	Mixed medium grey, medium-fine grained pegmatite and coarse grained pegmatite; latter with crystals up to 1 1/2" across; 2" band of quartz-biotite gneiss.								
390 - 391	Dark grey, biotite-hornblende gneiss; minor disseminated pyrrhotite; green diopside; red garnet at top.								
391 - 394.5	Pegmatite, leucocratic, variable; medium to coarse grained; garnet.								
394.5 - 396.5	Mixed gneiss: quartz-feldspar-biotite gneiss banded with pegmatite.								
396.5 - 399	Pegmatite, leucocratic, coarse grained; as above.								
399 - 401.5	Mixed dark grey biotite-garnet gneiss and coarse grained pegmatite bands.								
401.5 - 403	Green calc-silicate gneiss with white carbonate; diopside sphere.								
403 - 411.5	Pegmatite, medium coarse to coarse grained; quartz-feldspar-biotite-muscovite.								
411.5 - 413	Carbonate; banded; light grey; diopside, garnet, submylonitic.								

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A B M

Drill Hole Record



Property	Ruddock Creek	District	Hole No.	C 76-1
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Claim IT 27
T Brg.
Collar Dip
Elev.
Length
Hole No. Sheet

Footage From To	Description	Sample No.	Length	Analysis				
413 - 414.5	Crushed, porphyroblastic quartz-feldspar-biotite gneiss.							
414.5 - 419	Light grey-green carbonate; local actinolite, diopside; unfoliated, massive texture.							
419 - 424	Pegmatite, medium to coarse grained; unfoliated; minor garnet.							
424 - 428	Green and grey-green diopside calc-silicate gneiss and siliceous carbonate; foliation 80° to core axis; quartz patches at 426.5'.							
428 - 453	Pegmatite, leucocratic, medium-coarse grained; quartz-feldspar-muscovite-biotite-garnet; local weak foliation 80° to core axis; biotite schlieren at 432', 447', 449'; altered, chloritic near base.							
453 - 461	Crushed and altered grey-green siliceous gneiss; much chlorite; disseminated pyrite; limy sections at 456-456.5'; 458-458.5'; myloritic fault zone; blocky core.							
461 - 466	Dark brown-grey biotite gneiss; quartz-feldspar-phlogopite-diopside; local minor disseminated pyrite.							
466 - 468.5	Green calc-silicate gneiss--interbanded with grey biotite gneiss.							
468.5 - 471.5	Pegmatite, medium coarse grained; biotite gneiss schliere at 471'.							
471.5 - 476.5	Green calc-silicate gneiss (as above); local minor limy horizons; minor veinlets of pyrite; minor pink garnet.							
476.5 - 479	Pegmatite, medium grained; garnet.							
479 - 482	Banded grey-brown biotite gneiss and pegmatite -- latter rusty weathering near base.							
482 - 483.5	Green banded calc-silicate gneiss; quartz stringers; carbonate horizon; talc, diopside; disseminated pyrite on fractures; foliation 50° to core axis.							
483.5 - 487.5	Pegmatite, variable, leucocratic, medium-coarse grained; small garnets; grey biotite gneiss at 485-485.5'.							

#5990

ASIM

Drill Hole Record



Property Ruddock Creek District Hole No. C 76-1

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by

Objective % Recov. Date

Footage		Description	Sample No.	Length	Analysis				
From	To				Claim	IT 27	T Brg.	Collar Dip	Elev.
487.5	488.5	Green, banded calc-silicate gneiss (as 482-483.5); brown garnet; limy horizons.							
488.5	489.5	Interbanded pegmatite and green-brown gneiss; foliation 70° to core axis.							
489.5	492.5	Pegmatite; mottled, rusty; medium-coarse grained.							
492.5	493.5	Green+grey calc-silicate gneiss (as above); quartz stringers; carbonate horizons; red garnet bands-latter partially boudinaged; foliation 45° to core axis.							
493.5	522.5	Pegmatite, variable, medium to coarse grained; rusty weathering patches; tiny disseminated garnets; biotite gneiss schliere at top; green-grey biotite-hornblende gneiss bands at 510.5'; 515.5'; 517-518.5'; foliation 90° to core axis.							
522.5	530.5	Light green calc-silicate gneiss (as above); quartz stringers; carbonate horizons grading down to dark grey quartz-biotite-hornblende gneiss.							
530.5	559	Pegmatite, variable, medium to coarse grained; local garnet horizons associated with biotite and muscovite; lime-green talc at 541'; biotite gneiss schliere at 544'; local granular gneiss patches = remobilization.							
559	570	Green-grey rubbly calc-silicate gneiss; minor carbonate horizons-submylonite-quartzose; minor biotite gneiss bands; blocky core.							
570	578.5	Interbanded, granular, medium grained pegmatite and quartz-biotite(-garnet) gneiss=60:40; blocky core.							
578.5	600	Pegmatite, variable, medium-fine to coarse grained, leucocratic, grey; local porphyroblastic; foliation 70° to core axis; elsewhere, coarse, unfoliated sections; 4" green mud at 575'; dark green-grey biotite gneiss at 597.5-598.5'.							

#5990

A. B. M.