

ASSESSMENT REPORT

DIAMOND DRILLING PROGRAM

JUNE - SEPTEMBER, 1980

CAB CLAIMS

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

N.T.S. 105F/14

BY

G. E. BIDWELL - B. A.

APRIL 10, 1981

090824



FROM Mining Recorder at ... WHITEHORSE

TO Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

NEW APPL'N for PLACER LEASE to PROSPECT: Name: _____

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: _____ Lease No.

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name: _____ Lease No.

ASSIGNMENT of PLACER LEASE No.
From: _____ To: _____

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
Owner: _____

DIAMOND DRILL LOGS:
Claims _____ Claim sheet no: _____

QUARTZ ASSESSMENT REPORT.
Claims: CAB Claim sheet no. 105-F-14

Type of report: DIAMOND DRILLING
Submitted by: HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED

Cls. work performed on: CAB 10, 12, 25 & 27
\$ Req. for ren. application _____

Signature _____ Date 19 May 1981

REPLY ACTION.

Date Ret. _____

090824

Signature _____

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INTRODUCTION AND SUMMARY

The CAB mineral claims (1-23) were staked by Peter Risby of Ross River in June 1968 and optioned almost immediately to Atlas Explorations Ltd. In 1968-69 limited geological mapping, geochemical soil sampling and sampling of the mineralized zones was carried out. In 1971 the title of the claims was transferred and registered in the name of Risby Tungsten Mines Ltd. and eight holes totalling 3,563 feet of diamond drilling was done. In 1977 and 1978 Risby Tungsten carried out trenching and sampling.

In 1979 the property was optioned to Hudson Bay Exploration and Development Company Limited who carried out 5,334 feet of BQ diamond drilling in 16 holes. The 1980 program consisted of 2162 metres (7093 feet) in 12 holes. The drilling was contracted out to E. Caron Diamond Drilling Limited of Whitehorse, Y. T.

LOCATION AND ACCESS

The CAB claims are situated at 61°52'N, 133°22'W, on map sheet 105F/14 in the Whitehorse Mining District, Yukon Territory. The property is 36 air miles west of Ross River, 4 miles south of Fox Mountain and 12 miles northwest of the Canol Road. Access is presently by helicopter or by fixed-wing aircraft to a small lake 1½ miles north of the main showings but cat access is feasible from the Canol Road.

PERSONNEL

The drilling program was contracted by E. Caron Diamond Drilling Limited with head office in Whitehorse, Yukon Territory. Four qualified drillers were employed. Mr. David A. Downing of Hudson Bay Exploration and Development Company Limited was the project supervisor and under the management of Mr. G. E. Bidwell, Resident Geologist, Whitehorse. The summary of qualifications of Mr. Downing and Mr. Bidwell are included in the report.

CLAIM OWNERSHIP

All the CAB mineral claims, 1-56, 59-84, 89-102 and 105-136 are registered in the name of Hudson Bay Exploration and Development Company Limited.

DIAMOND DRILLING PROGRAM

The diamond drilling program commenced June 12 and was completed on September 4, 1980. The equipment was ferried in by helicopter from the Canol Road and removed the same way.

30'

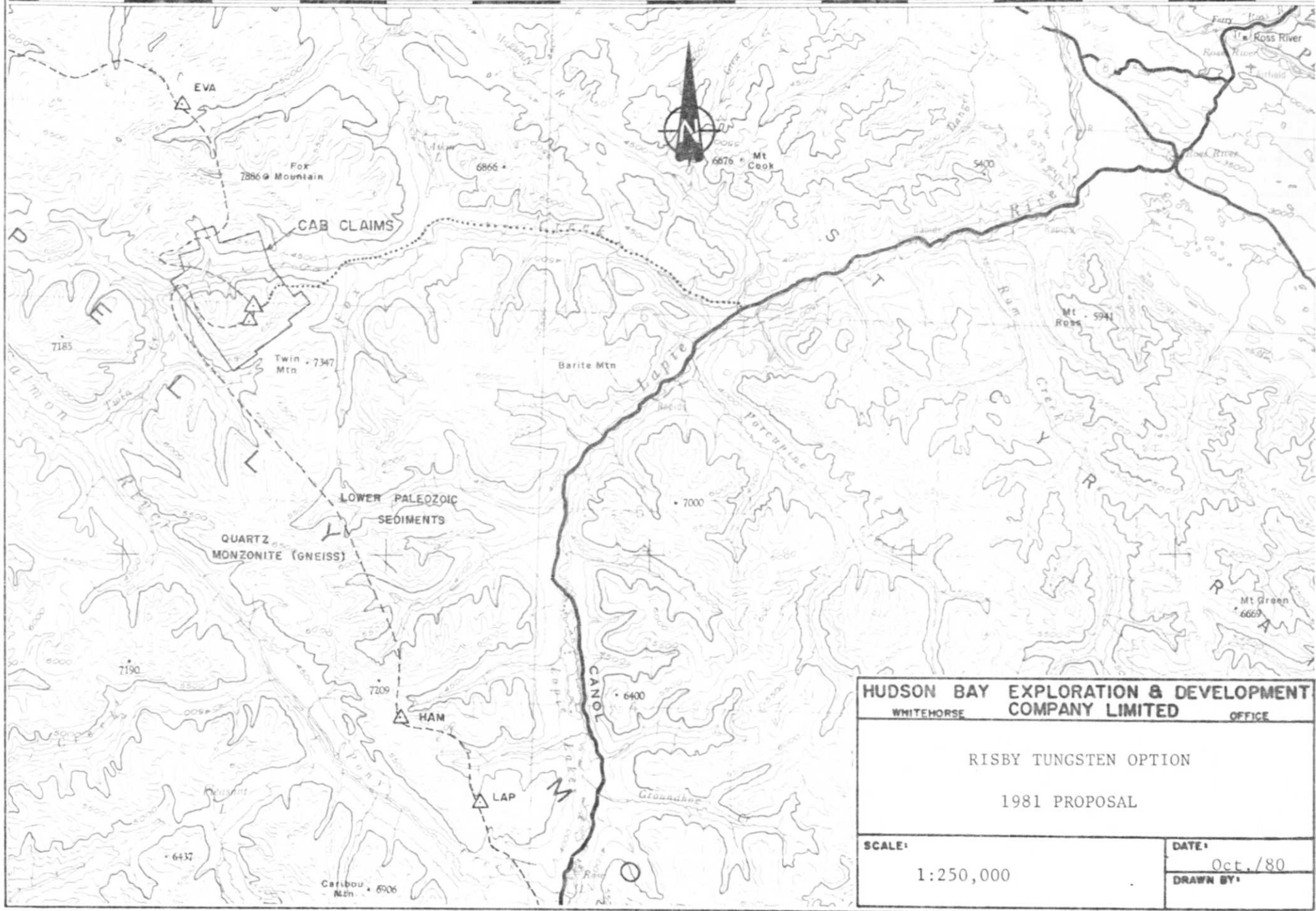
15'

133°00'

45'

30'

Normal
Magnetic



HUDSON BAY EXPLORATION & DEVELOPMENT	
WHITEHORSE	COMPANY LIMITED
	OFFICE
<p>RISBY TUNGSTEN OPTION</p> <p>1981 PROPOSAL</p>	
SCALE:	DATE:
1:250,000	Oct./80
	DRAWN BY:

During the drilling period 12 holes were completed for a total of 2162 metres. The locations of the holes are shown on the drill plan included with the report. The core was left on the property and is stored in trays and stacked at the camps along with most of the 1971 and 1979 drill core.

GEOLOGY

The claims are located on the contact area of a Cretaceous quartz monzonite stock and a Lower Cambrian sedimentary sequence of argillite, limestone and siltstone. At or close to the intrusive contact the limestone units have been recrystallized to diopside skarns containing minor pyrrhotite, garnet, scheelite, pyrite and molybdenite.

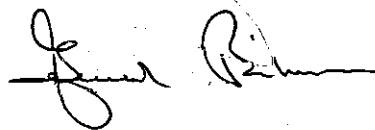
The sedimentary package consists of quartz biotite diopside schists interlayered with essentially two diopside garnet skarn horizons. Bedding parallels the intrusive contact and the lower skarn in the sequence is usual at or within a few metres of the intrusive. The upper skarn is approximately 20 metres higher in the package.

The scheelite mineralization is disseminated or as vein fillings in massive diopside garnet skarn and is generally associated with pyrrhotite and often actinolite and quartz.

CONCLUSIONS

The 1980 drilling tested the No. 2 zone out to a strike length of 1200 metres and to a maximum vertical depth of 230 metres. The skarn horizons hosting the scheelite mineralization were found to persist over the drilled area although were greatly reduced in width along strike to the northwest.

The mineralized horizons have an increase in pyrrhotite content moving down-dip that is matched with increasing alteration of the biotite schist and in the amount of quartz veining cutting the stratigraphy. The tungsten grade in the lower skarn is encouraging and there are indications of a third mineralized horizon to the southeast. The lower skarn horizon has maintained its position at or within a few metres of the intrusive. There is no indication that the situation changes down-dip and the prospects for deeper drill intersections are good.



G. E. Bidwell,
Exploration Manager, Northwest District
April 10, 1981.

APPENDIX A

DIAMOND DRILL LOGS

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Claims (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61°52' 133°22' NTS 105F-14

Mining Division Whitehorse

Hole Nº. 2

Angle: 49°

Direction: 180°

145.1 m. (1971)

Depth: 169.8 m. (1980) Grid Nº.

Co-Ordinates: 4+15.2 N
13+42.0 WDate Started: 30/07/71
3/08/80Finished: 3/08/71
5/08/80

Logged By: S. Foster (1980)

Drilled By: Caron Diamond Drilling Co. (1980)

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	2.10	Casing
2.10	57.00	<p><u>Intercalated Quartz-Biotite Schist and Diopside Skarn:</u> Skarn is very calcareous, light greygreen, fine-grained. The schist is dark grey to black and well laminated.</p> <p>- many local small quartz veins in fracture and parallel to the bedding.</p> <p>- many local limestone bands throughout the section with the largest band being 0.7 m. wide at 32.0m., altered limestone, grey-grey green with contorted.</p> <p>37.0 - 37.7 - Breccia: Quartz-biotite-calcite schist clasts in a calcite matrix.</p> <p>39.8 - 41.76- Unconsolidated material (fault gouge) containing remnants of intercalated schist and skarn and black limestone.</p> <p>- minor actinolite found in fracture throughout the section.</p> <p>Core angles: 2° at 3 m. 11° at 4 m. 18° at 15 m. 22° at 27 m. 27° at 30.5 m. 18° at 39.0 m. 0° at 45.0 m. 10° at 50.5 m.</p>
57.00	64.40	<u>Missing Core:</u> (Box 9)
64.40	97.0	<p><u>Intercalated Quartz-Biotite Schist and Diopside Skarn:</u> many local limestone bands with the quantity and magnitude increasing toward the bottom of the section.</p> <p>3 large limestone bands at 86.00 - 87.45, 90.66 - 92.40 and 93.63 - 94.54. Altered limestone, containing diopside and local garnets.</p> <p>Core angles 18° at 74.3 m. 14° at 76.0 m. 16° at 78.0 m.</p>

DEPTH		DESCRIPTION OF CORE	Hole #2, Page 2
From	To		
97.0	107.4	Disoriented core (Box 15) contains intervals of quartz-diopside skarn intercalated with quartz-biotite schist and altered limestone with garnets.	
107.4	113.6	<u>Intercalated Quartz-Biotite Schist and Diopside Skarn:</u> minor calcite in fracture.	
113.6	116.0	<u>Quartz-Diopside Garnet Skarn:</u> very calcareous, borderline to limestone. - no scheelite found	
116.0	124.5	<u>Argillite:</u> black and very fine-grained calcite fracture filling with quartz-carbonate alteration margins. Quartz-carbonate alterations in fractures and along bedding minor pyrite in fracture, local quartz veins. 119.0 - 119.5; Breccia: quartz clasts in an argillite matrix. 120.0 - 121.3; Quartz-carbonate alteration zone with argillite bands. Core angle: Variable	
124.5	125.1	<u>Quartz-Carbonate Alteration Zone:</u> with argillite laminae, minor calcite, pyrite and quartz-carbonate alteration in fracture.	
125.1	125.7	<u>Breccia:</u> Argillite, quartz and quartz-carbonate alteration clasts in a quartz-carbonate alteration matrix (Pyrite and calcite in fracture.)	
125.7	126.3	<u>Quartz-Diopside Skarn:</u> with scheelite (0.18%) pyrite and minor actinolite in fracture.	
126.3	131.9	<u>Argillite:</u> black and very fine-grained with some quartz-carbonate alteration along bedding. 127.3 - 128.6: quartz-pebbles (< 3cm.) one local minor black limestone band. Core angles: variable	
131.9	135.7	<u>Quartz-Diopside Garnet Skarn:</u> very calcareous with fine-grained scheelite disseminated throughout the section.	
135.7	140.0	<u>Quartz-Biotite Schist:</u> with minor quartz-diopside skarn bands. Core angle: 30°	
140.0	141.1	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> with numerous quartz veins. Core Angle: 30°	
141.1	151.9	<u>Quartz Diopside Garnet Skarn:</u> a very dark diopside with some very minor biotite bands.	
(143.2=End of 1971 Hole)		145.1 - 151.9: disseminated scheelite ranging from 0.2-1.2% - 2% pyrrhotite in fracture 148.5 - 149.6: Quartz-Biotite schist	
151.9	169.8	<u>Quartz Monzonite.</u>	
	End of 1980 Hole		

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Claims (Risby)
 CAB 25 & 27
 Mining Division Whitehorse

Location: Dolly Creek (Fox Creek) Y. T.
 61°52' 133°22' NTS 105F-14

Hole Nº. 3

Angle: -66°

Direction: 218°

Depth: 107.5 (1971)
 155.30(1980)

Grid Nº.

Co-Ordinates: 4 + 15.2 N
 13 + 43.0 W

Date Started: 4/08/71
 6/08/80

Finished: 6/08/71
 12/08/80

Logged By: S. Foster
 (1980)

Drilled By: Caron Diamond Drilling (1980)

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	4.00	Casing
4.00	22.86	<u>Intercalated Quartz-Biotite Schist and Diopside Skarn:</u> minor quartz veins.
22.86	30.00	<u>Altered Limestone:</u> grey limestone with contorted bedding, local bands of quartz-biotite schist, 23.77-24.15; band of quartz-diopside skarn, light green and fine-grained.
30.00	37.79	<u>Intercalated quartz-Biotite Schist and Diopside Skarn:</u> with numerous quartz-veins.
37.79	39.10	<u>Quartz-Biotite Schist:</u> with minor quartz veins Core Angle: 35°
39.10	42.00	<u>Altered Limestone:</u> heavily weathered with a 0.25 m. band of quartz-diopside skarn at the top of the section
42.00	43.10	<u>Breccia:</u> limestone clasts (< 4cm) in a calcite matrix.
43.10	78.60	<u>Intercalated Quartz-Biotite Schist and Diopside Skarn:</u> 2% actinolite in fracture and along bedding. 74.2 - 74.9; altered limeston, light grey with contorted bedding. Core Angles: 25° at 45.0 m. 12° at 59.5 m. 26° at 62.0 m. 20° at 66.0 m. 17° at 69.0 m. 32° at 71.0 m.
78.60	88.50	<u>Argillite:</u> fine grained black argillite with 15-20% quartz-carbonate alteration, numerous quartz veins from 81.0 m - 82.0 m. 85.2 - 85.5; altered light grey limestone.

DEPTH		DESCRIPTION OF CORE	Hole #3, Page 2
From	To		
		Core angles: 13° at 79.0 m. 37° at 81.0 m. 22° at 83.5 m. 87° at 86.3 m.	
88.5	89.0	<u>Breccia</u> : Argillite clasts (5 cm.) in a calcite matrix.	
89.0	93.1	<u>Intercalated Quartz-Biotite Schist and Diopside Skarn</u> : less than 1% actinolite in fracture.	
93.1	94.2	<u>Altered Limestone</u> : with light grey contorted beds.	
94.2	101.4	Missing Core.	
101.4	102.8	<u>Quartz-Diopside Garnet Skarn</u> : 17% Actinolite in fracture and in bedding.	
102.8	107.5	<u>Intercalated Quartz-Biotite Schist and Diopside Skarn</u> :	
END OF 1971 HOLE			
107.5	109.9	<u>Altered Limestone</u> : with some argillite, also some skarn mineral development ie. diopside and possibly garnet, numerous quartz-filled fractures, some quartz-carbonate alteration.	
109.9	112.85	<u>Quartz Biotite Schist with Quartz Carbonate Alteration</u> : and rusting 1% actinolite along fracture margins.	
112.85	129.10	<u>Argillite</u> : black and fine-grained and very heavily silicified. 116.9 - 118.87; heavily rusted 125.3 - 125.80; Quartz vein.	
129.10	148.80	<u>Quartz Diopside-Garnet Skarn</u> : 3% rhyrrhotite in fracture, 3% actinolite, scheelite disseminated throughout. 136.6 - 137.0; quartz-carbonate alteration along the bedding.	
148.80	155.30	<u>Quartz Monzonite</u>	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole Nº. 26

Angle: -86°

Direction: 225°35'

Depth: 105.8m

Grid Nº.

Co-Ordinates: 5+17.1N
11+07.7W

Date Started: 16/6/80

Finished: 21/6/80

Logged By: Greg Morrison

Drilled By: Caron Diamond Drilling Co.

Dave Downing
Richard Facey-
Crowther
Sandra Foster (1980)

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	9.40	Casing
9.40	22.87	<p><u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 9.40 - 11.60; 3 quartz veins with schist, skarn and porphyry inclusions trace pyrrhotite and actinolite Core Angle: 44°</p> <p>11.80 - 14.70; Overprinted by 95% alteration, minor calcium and Qtz. in hairline fractures, minor pyrrhotite and actinolite. Pink Mineral associated with Po and Act. a relic schist, almost a breccia Core Angle: 41° at 12m</p> <p>15.20 - 18.65; Wispy biotite with 2-3 cm Dp bands. Scheelite in qtz. - Dp garnet bands 5% actinolite in bedding planes and in fractures, trace pyrrhotite Core angle: 41° at 17.0m</p> <p>18.65 - 19.58; <u>Quartz Dp Garnet Skarn</u> band with actinolite and pyrrhotite along fractures scheelite associated</p> <p>19.58 - 22.25; Diopside darker in this section, 1% actinolite in fractures and minor Po and Calcite. Core Angles: 39° at 20m 55° at 21m 36° at 22m</p> <p>21.30 - 21.40, 22.25 - 22.87; Limestone bands, pink mineral in second limestone band.</p> <p>11.60 - 11.80, 12.20 - 12.30, 14.70 -15.20; <u>Biotite Feldspar Porphyry Dykes.</u></p>
22.87	29.90	<p><u>Quartz Biotite Schist:</u> minor skarn bands associated, minor pyrrhotite and actinolite in fractures, trace chlorite in schist. 28.40 - 30.00; 10% chlorite in schist -3 quartz veins about 0.1m wide Core angles: 35° at 25m, 29° at 29m</p>

DEPTH		DESCRIPTION OF CORE
From	To	
		27.20 - 28.40; Relic schist left in massive diopside, actinolite in fractures, pyrrhotite along bedding. Limestone bands at 24.6 and 27.9m
29.90	36.52	<u>Quartz Diopside Garnet Skarn:</u> skarn is marginally intercalated with biotite schist, 5% actinolite in fractures and bedding. Minor garnet in quartz veins (5). Scheelite on bedding planes. 29.90 - 30.07, 33.75 - 35.18, 36.60 - 36.52; <u>Limestone Bands</u> - all containing skarn minerals 35.18 - 35.60; Intercalated schist and skarn. Core Angles: 37° at 30.5m 42° at 32.0m 45° at 35.2m
36.52	56.58	<u>Quartz Biotite Schist:</u> minor alteration 36.52 - 38.18; Garnet, actinolite, pyrrhotite in fracture with diopside bands. 39.90 - 47.28; 1% sulphides along foliation in biotite. 48.97 - 56.58; mostly massive biotite, 1% pyrrhotite in schist along foliation, fractures and disseminated. Trace actinolite. 40.80 - 55.20; Limestone bands approximately 0.1m wide. 38.18 - 39.91 and 47.28 - 48.97; <u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> associated with pyrrhotite and actinolite. 47.28 - 48.97 section is marginal to skarn - wide diopside bands (up to 15 cms) Core Angles: 23° at 39 m 28° at 43 m
56.58	70.00	<u>Quartz Diopside Garnet Skarn:</u> 56.58 - 59.20; essentially a diopside schist, brecciated in places, varies from intercalated schist and skarn to diopside skarn, 4% actinolite and pyrrhotite, quartz and calcite in veins and bedding. 60.15 - 61.68; Quartz veins in skarn are associated with pyrrhotite. 62.62 - 68.50; Massive pyrrhotite with scheelite crystals at 63.80 - 64.40 m. Actinolite, pyrrhotite, pyrite and calcite alteration in skarn. Quartz veins: 63.4 - 63.8 and 66.0 - 66.8 m. 59.20 - 60.00; Calcareous argillite band, 10% silicification a distinct black schist with pyrite veins and distinct pyrite cubes - minor pyrrhotite. 61.68 - 62.64; Silicious argillite band, pyrite along quartz-carbonate veins, garnet with scheelite along foliation. 68.50 - 70.00; Intercalated schist and skarn - deep red garnet with pyrite and calcite, green quartz veins. Core Angles: 34° at 57.8 m 32° at 62.4 m 47° at 63.4 m 28° at 69.0 m

DEPTH		DESCRIPTION OF CORE
From	To	
70.00	86.10	<p><u>Quartz Biotite Schist</u>: quartz veining at 75.3 to 76.0 m may be half bleaching or a felsite dyke - has quartz eyes.</p> <p>76.70 - 78.20; intercalated schist and skarn, bed is close to a skarn but has schistosity maintained, 5% calcite - minor alteration, trace pyrite.</p> <p>78.20 - 79.90; altered biotite schist, (95% actinolite to quartz?) vein stockward in fine bands, mineralogy 90% unknown 5% massive Po in quartz vein,</p> <p>85.85 - 86.00; Quartz vein.</p> <p>Core angles: 15° at 72.5m 13° at 79.3m 5° at 83.0m</p>
86.10	89.23	<p><u>Quartz Diopside Garnet Skarn</u>: 2% calcite throughout, this massive well developed skarn. 5% pyrrhotite and 1% pyrite in fractures and disseminated. 1% actinolite in fractures. Scheelite present.</p>
89.23	91.80	<p><u>Quartz Biotite Schist</u>: 30% of schist is composed of quartz bands 1% pyrite, actinolite in fractures.</p> <p>Core Angles: 0° at 90 m to 45° at 91.5m</p>
91.80	94.00	<p><u>Quartz Diopside Garnet Skarn</u>: Garnet and diopside are very light coloured pyrrhotite associated with fractures in quartz veins, trace molybdenite.</p>
94.00	94.45	<p><u>Quartz Biotite Schist</u>: remnant large biotite fragments in a quartz vein.</p> <p>Core Angle: 50° at 94.3m</p>
94.45	95.80	<p><u>Biotite Feldspar Porphyry Dyke</u>: gradational with quartz monzonite, bleaching of biotite along microfractures.</p>
95.80	105.70	<p><u>Quartz Monzonite</u>: numerous quartz veins which may have minor diopside with them. Trace pyrite in fractures with bleaching along fractures.</p> <p>2% biotite, 2% muscovite.</p>
END OF HOLE		

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAR (Group) Risby

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole Nº. 27

Angle: -71°

Direction: 225° 35'

Depth: 148.4 m

Grid Nº.

Co-Ordinates: 5 + 30.0N

12 + 10.1W

Date Started: 24/6/80

Finished: 26/6/80

Logged By: Richard Facey-
Crowther (1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE	Page 1 of 3
From	To		
0.00	22.70	Casing	
22.70	27.00	<u>Quartz Biotite Schist</u> : with some Diopside Bands near the centre containing Garnet (0.05 cm. in width) and with scheelite near the garnet.	
27.00	34.80	<u>Quartz Biotite Feldspar Porphyry Dyke</u> : Fractures containing quartz with dark green actinolite.	
34.80	99.70	<u>Intercalated Quartz Biotite Schist with Diopside Skarn</u> : minor calcite with 1% actinolite in fractures throughout the majority of the section. Minor pyrrhotite from 45.0 - 59.2 and from 72.6 - 81.1 pyrrhotite was found associated with scheelite. Garnet alteration apparent in the wider diopside bands from 72.6 to 80.0 m. Core angles: 20° at 42.0m 24° at 53.0M 33° at 63.0m 20° at 81.1 to 83.3m 25° at 95.3 to 99.7m 38.0 - 38.5 and 91.6 - 92.5m: Quartz Biotite Schist - minor calcite. 68.30 - 68.90; Quartz diopside skarn with minor garnet, minor pyrrhotite and 1% actinolite scheelite found associated with garnet. 71.00 - 72.60; Calcareous limestone band with a 0.2 cm section of scheelite bearing calcareous skarn. 87.30 - 88.15; A highly calcareous light grey limestone with darker impure bands of limestone. Minor actinolite found in fractures. 97.30 - 97.50: Quartz Diopside Skarn with 1% pyrrhotite and minor calcite. - local scheelite showings throughout section. - quartz banding throughout with a 0.4 m quartz band at 89.0m	
99.70	102.40	<u>Quartz Biotite Schist</u> : calcite and quartz found in the fractures, minor diopside skarn bands. Core Angle: 28° at 101.0m	

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
102.4	103.1	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 3% calcite found in fracture, minor pyrrhotite and actinolite. Core Angle: 20° at 102.6m	
103.1	104.0	<u>Quartz Diopside Garnet Skarn:</u> Pyrrhotite found with scheelite at top of the section, more calcite is found at the bottom of the section as is pyrite and scheelite, 2% garnet, 1% pyrite, minor pyrrhotite and 1% actinolite in the section.	
104.00	104.75	<u>Argillite:</u> a dark, fine-grained argillite containing pyrite and quartz bands. Limestone band from 104.3 - 104.5m; a dark grey altered limestone.	
104.75	107.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> scheelite found in the biotite schist and in the small skarn bands with massive pyrrhotite, minor pyrite also present. Core Angles: 30°	
107.10	108.5	<u>Limestone:</u> dark grey limestone with three large calcite veins at the bottom of the section, scheelite found from 107.35-108.5m 107.35 - 107.60; a highly calcareous biotite schist with 5% calcite in fractures and 1% pyrrhotite. 107.90 - 108.20; dark green diopside skarn with pyrite and trace pyrrhotite. Core Angle: 25° at 107.2m.	
108.50	109.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> - highly calcareous with calcite in the fractures and the schistosity, minor pyrrhotite and actinolite. 109.50 109.70: Quartz vein Core Angle: 42°	
109.80	110.80	<u>Quartz Diopside Skarn:</u> 2% calcite in fractures and 1% pyrrhotite present in veins throughout the skarn. Scheelite present throughout. (1.51% at bottom of section.)	
110.80	113.80	<u>Quartz Carbonate Alteration Zone:</u> with argillite bands, large calcite in fractures, minor pyrrhotite at the top of the section, then changing to pyrite (1%). Lower 2/3 of section is highly calcareous with large calcite veins. Pyrite is found associated with argillite. Minor bands of diopside garnet skarn with pyrrhotite associated. 111.40 - 111.60; Breccia, quartz, calcite, argillite, quartz-carbonate alteration, pyrrhotite and pyrite.	
113.80	115.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> argillite band (0.1m) at top of section which grades into biotite, trace "pink mineral" found here. Trace garnet at bottom of section, associated with minor scheelite. Core Angle: 20°	
115.80	118.70	<u>Argillite:</u> dark grey argillite with narrow bands of quartz-carbonate alteration and massive pyrrhotite. Calcite vein at 116.1m Grey quartz at 117.1m.	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
		116.10 - 116.40; Limestone bands with calcite in fractures and minor pyrite - a porphyritic limestone with bands of argillite containing pyrite.	
		117.90 and 118.5m - 0.1m of argillite breccia fragments in a matrix of grey quartz and calcite. Core Angles: 50° at 117.3m 30° at 118.5m	
118.70	119.50	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> - small band of "pink mineral" at 119.1m - biotite schist is a pink purple colour, calcite found in fractures.	
119.50	119.90	<u>Quartz Diopside Skarn:</u> with massive Po and minor cubic pyrite. Calcite and actinolite in fractures. Minor scheelite.	
119.90	127.40	<u>Quartz Biotite Schist:</u> a dark schist with calcite in the fractures. Quartz bands present varying from 3 cm to 0.15m in width containing actinolite veins and disseminated pyrite. Pyrrhotite found in quartz bands surrounded by actinolite scheelite present at the bottom of the section - found in biotite schist with pyrite and pyrrhotite between two quartz veins. Core Angles: 15° at 121.0m 5° at 123.5m	
127.40	129.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> Calcite in fractures, massive pyrrhotite and minor pyrite found with scheelite in the skarn bands in the upper portion of this section. Core Angle: 28°	
129.00	133.10	<u>Quartz Diopside Garnet Skarn:</u> 129.00 - 130.00: skarn with disseminated pyrite; also a highly calcareous skarn, with minor garnet. 130.90 - 132.30: skarn with disseminated pyrrhotite, minor pyrite, 1% apatite, 3% garnet. Scheelite throughout the section with 1.00% and 2.52% found over 0.2m each at mid-section. 130.00 - 130.90m and 132.3 - 132.60m - Intercalated quartz biotite schist and diopside skarn bands. Core Angles: 20° at 130.1m 35° at 132.4m	
133.10	134.10	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> Actinolite found in quartz bands. 1% pyrrhotite, local scheelite. Core Angle: 35°	
134.10	148.40	<u>Quartz Monzonite:</u> light pink to white coloured quartz monzonite with some quartz veins. Scheelite found locally to 145.0m.	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole No. 28

Angle: -75°

Direction: 225° 35'

Depth: 209.4m

Grid No.

Co-Ordinates: 5 + 66.8N

13 + 00W

Date Started: 27/06/80

Finished: 1/07/80

Logged By:

Richard Facey-Crowther
(1980)

Drilled By: E. Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	8.20	Casing
7.50	7.90	<u>Quartz Feldspar Biotite Porphyry Dyke:</u> (somewhere in the overburden)
8.20	42.00	<u>Quartz Biotite Schist:</u> local quartz veins, with the majority at the top and the bottom of the section. - minor pyrrhotite associated with quartz at 14.6m - large quartz vein (0.4m in width) at 40.0m Core Angles: 46° at 8.5m 28° at 16.0m 31° at 29.0-35.0m 6° at 38.5m 20° at 40.5m
42.00	85.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> - minor pyrrhotite disseminated throughout - scheelite found locally associated with quartz veins from 56.7 to 60.6m, associated with pyrrhotite at top of section, 2% actinolite in fractures in the majority of the section. Core Angles: 14° at 42.2m 40° at 54.0m 25° at 73.0m 62° at 83.5m 48.50 - 49.10; highly calcareous gouged zone - also a broken gouged zone from 72.0 - 76.5m. 65.7 - 66.0 and 82.0 - 82.2; <u>Quartz Feldspar Porphyry Dykes.</u> 68.3 - 68.9, 70.2-72.0, 76.5 - 77.7 and 79.2 - 80.2m; <u>Quartz Biotite Schist bands</u> - band at 79.2 is highly calcareous with 10% calcite. 77.70 - 79.20: <u>Quartz Diopside Skarn:</u> scheelite found in bottom half of the section, minor pyrrhotite, 2% actinolite and 2% calcite.
85.00	87.50	<u>Quartz Biotite Schist and highly Calcareous mud:</u> an area of <u>Poor</u>

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
		Core Recovery - suggest that this area was a limestone prior to alteration due to the highly calcareous nature of the section. -"wavy" quartz bands throughout	
87.50	142.1	<p><u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>: minor pyrrhotite disseminated throughout. In upper portion of section minor pyrrhotite is often found associated with scheelite in fractures and with garnets and scheelite from 122.2-128.0m. Calcite and actinolite found throughout, in fractures in varying quantities (minor to 3%).</p> <p>Core Angles: 15° at 90.0m 20° at 107.9m 30° at 123.5m 20° at 129.0m</p> <p>87.9 - 88.9 and 92.5 - 92.8; highly calcareous biotite schist, diopside and mud.</p> <p>89.30 - 89.70; large quartz vein-broken and fractured with a trace of calcite.</p> <p>89.70 - 90.20; Po found in fractures associated with scheelite.</p> <p>102.10-102.70; massive quartz vein with minor pyrrhotite, calcite and actinolite.</p> <p>Quartz veins found throughout the section at approx. one metre intervals.</p> <p>102.70-103.10; Broken, highly calcareous biotite schist - suggest that perhaps this is a remnant of limestone.</p> <p>2 bands of limestone (0.1m wide) at 104.8m and 105.5m</p> <p>129.15-130.00; Quartz Diopside Skarn with minor pyrrhotite and scheelite.</p> <p>130.00-131.70; Quartz Felspar porphyry dyke - minor bands of diopside.</p>	
142.10	145.00	<p><u>Altered Limestone (Marble)</u>: consists mostly of a pale green diopside skarn with minor actinolite.</p> <p>- also consists of a dark grey to light grey limestone.</p> <p>143.1-143.90; Intercalated schist and skarn - highly calcareous (6% Calcite).</p> <p>Core Angles: 20° at 142.5m , 15° at 143.5m 24° at 144.5m</p>	
145.00	145.80	<p><u>Quartz Biotite Schist</u>: calcareous near top of the section.</p> <p>Core Angle: 20°</p>	
145.80	152.25	<p><u>Intercalated Quartz Biotite Schist with Diopside Skarn</u>: containing 2 light grey limestone bands (0.4 m wide) with associated apatite, minor disseminated pyrrhotite, minor actinolite.</p> <p>147.1m - "pink mineral" in actinolite and quartz</p> <p>- many quartz veins throughout.</p> <p>Core Angle: 20°</p> <p>147.90 - 148.40: Quartz Diopside Garnet Skarn: with scheelite, minor pyrrhotite and actinolite.</p>	
152.25	153.38	<p><u>Quartz Diopside Garnet Skarn</u>: minor pyrrhotite and actinolite in fractures, scheelite present (.1 - .5%). Limestone bands (0.3m wide) in centre of skarn.</p> <p>Core Angle: 15°</p>	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
153.38	164.50	<p><u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> minor pyrrhotite disseminated throughout, minor actinolite throughout. Massive pyrrhotite at 156.9m.</p> <p>157.20 - 157.50; Garnets found in diopside band.</p> <p>155.95 - 156.20; <u>Quartz Diopside Garnet Skarn;</u> minor pyrrhotite and actinolite and scheelite.</p> <p>- Scheelite (minor) found locally throughout the section.</p> <p>Core Angles: 25° at 157.0m 15° at 163.5m</p>	
164.50	167.20	<p><u>Quartz Carbonate Alteration Zone:</u> with 40% argillite.</p> <p>- increased argillite with massive pyrite from 166.5 to 166.9m.</p> <p>165.20 - 165.70; <u>Breccia</u> - fragments of argillite, altered quartz and carbonate in an altered quartz and carbonates, quartz and calcite matrix.</p> <p>166.70 - 167.20; Quartz vein with minor argillite and pyrite.</p>	
167.20	169.50	<u>Poor Core Recovery.</u>	
169.50	171.50	<p><u>Argillite;</u> with altered quartz and carbonate bands at top half of section changing to reddish brown biotite in lower half. Calcite, Pyrite (in top half of section) and pyrrhotite (in bottom half) in fractures.</p> <p>169.60 - 170.00; Highly calcareous dark mud - perhaps argillite and biotite, highly fractured.</p> <p>Core Angles: 8° at 169.5m 20° at 170.5m</p>	
171.50	172.60	<p><u>Quartz Diopside Garnet Skarn:</u> with minor pyrrhotite and 0.5% scheelite throughout.</p> <p>172.47 - 172.60; large quartz vein with alteration (pyrite, biotite, altered quartz & carbonates) in fractures.</p> <p>Scheelite in upper portion.</p>	
172.60	173.50	<p><u>Intercalated Quartz Biotite Schist with Diopside Skarn and Argillite:</u> more argillite towards the upper portions of the section.</p> <p>Core Angle: approximately 25° (variable)</p>	
173.50	186.80	<p><u>Quartz Diopside Garnet Skarn:</u> with scheelite disseminated throughout - ranging from 0.05 to 1.51%</p> <p>- 1% pyrrhotite and 4% garnet alteration.</p> <p>180.30 - 180.60; Quartz carbonate alteration zone with argillite and massive pyrite. (1.00% scheelite present).</p> <p>184.00 - 185.00, 185.60 185.90 and 186.40 - 186.8; intercalated quartz biotite schist and diopside skarn</p>	
186.80	189.00	<p><u>Quartz Biotite Schist:</u> pyrrhotite and calcite found in fractures, 4% calcite</p> <p>Core Angle: 15°</p>	
189.00	190.00	<p><u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u></p> <p>- minor pyrrhotite, pyrite and garnet, scheelite disseminated throughout. 1% actinolite.</p> <p>- 2 quartz veins, actinolite veins found in quartz.</p> <p>Core Angle: 25°</p>	

DEPTH		DESCRIPTION OF CORE	Page 4
From	To		
190.00	194.40	<p><u>Quartz Diopside Garnet Skarn:</u> garnet, pyrrhotite, and actinolite alteration, a dark green diopside.</p> <p>191.50 - 191.70; quartz vein with pyrrhotite and calcopyrite in the fractures.</p> <p>193.00 - 193.90; Intercalated quartz biotite schist and diopside skarn, actinolite, pyrrhotite and calcite found in fractures.</p>	
194.40	197.20	<p><u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> pyrrhotite is both disseminated and in a few massive bands in fractures. Actinolite is found in fractures in the quartz veins and the diopside bands.</p> <p>194.5m - "pink mineral" with quartz and actinolite.</p> <p>196.0m - minor garnet</p> <p>Core Angle: 20°</p>	
197.20	199.40	<p><u>Quartz Diopside Garnet Skarn:</u> 1% Calcite, 1% pyrrhotite and minor actinolite in fractures, 1% garnet. Scheelite disseminated throughout - from 0.05% to 1.00%</p>	
199.40	200.00	<p><u>Quartz Vein:</u> with 2% calcite, 1% pyrrhotite and 1% actinolite in fractures.</p>	
200.00	209.70	<p><u>Quartz Monzonite:</u> with minor quantities of calcite and actinolite, occasional small quartz bands are present with some small biotite flakes.</p>	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14
No. 2 Zone

Mining Division Whitehorse

Hole Nº. 29

Angle: -40.0°

Direction: 225° 35'

Depth: 194.20m

Grid Nº.

Co-Ordinates: 5 + 66.8N
13 + 00 W

Date Started: 1/07/80

Finished: 8/07/80

Logged By: Richard Facey-Crowther
(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE	Page 1 of 3
From	To		
0.00	2.60	Casing	
2.60	8.00	<u>Quartz Biotite Feldspar Porphyry Dyke</u> : grey in colour, a porphyritic feldspar and quartz with blebs of dark biotite. A rusty colouration was noted in the fractures.	
8.00	18.70	<u>Quartz Biotite Schist</u> : 7% silicification in the schist with small offset faults visible in the core, 3 major quartz veins. 13.00 - 14.00; core is very broken up. Core Angle: 15°	
18.70	27.80	<u>Quartz Feldspar Porphyry Dyke</u> : Core is broken in this area and suggests that this represents a fault zone. 19.00 - 19.50, 23.40 - 24.00; 2 quartz biotite schist bands. The upper band is broken fault pieces and both have a central quartz vein and are highly fractured. Core Angle: 15°	
27.80	65.76	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : containing frequent quartz veins, approximately one per metre of core. A large vein (0.3m) at 44.0m with pyrrhotite, actinolite and minor calcite in the fractures. The core is highly fractured and fault zone seems to continue about 10 metres into the core. Pyrrhotite is occasionally massive in the larger fractures. Calcite and actinolite in fractures. Core remains highly fractured. No scheelite throughout intercalated core. 58.40 - 59.60; highly calcareous section (10% calcite). 62.81 - 62.90; limestone band. 62.90 - 63.20 and 64.0 - 64.70; highly calcareous. Core Angles: 10° at 37.0m 15° at 53.0m 30° at 64.0m 54.94 - 55.07; <u>Quartz Diopside Skarn</u> ; minor pyrrhotite and actinolite, 1% calcite, 0.15% scheelite.	

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
		62.00 - 62.81; <u>Quartz Diopside Skarn</u> ; minor pyrrhotite and 2% actinolite, 0.15% scheelite, trace of "pink mineral".	
67.76	68.20	<u>Quartz Diopside Skarn</u> : a highly calcareous broken dark diopside skarn, some rusty colouration in the skarn. 4% actinolite and minor pyrite. Scheelite disseminated throughout.	
68.20	82.70	<u>Quartz Biotite Schist</u> : highly calcareous and extremely fractured core. 2% actinolite and minor pyrite. Core Angles 5° at 72.0m 25° at 80.5m (variable) 76.5-76.6 and at 80.5m the bedding is severely twisted almost at right angles.	
		77.70 - 78.50; Intercalated quarta biotite schist and diopside skarn.	
82.70	133.60	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : minor calcite and actinolite. Periodic quartz veins, approximately one per metre of core. Moderate fracturing. Core very homogeneous throughout. Core Angles: 15° at 20° throughtout.	
133.60	146.50	<u>Limestone and Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 50% of section is limestone bands and 50% is intercalated. <u>Limestone</u> : 133.6-133.70, 134.0-135.2, 137.20-137.6, 138.6-139.2, 139.9-140.0, 141.5-141.8, 143.8-144.4. a highly calcareous limestone light to dark grey in colour upper limestone containing minor actinolite, pyrite and a light green soft waxy mineral (134.7m) 145.9-146.50; a dark grey limestone with wavy quartz bands (10% silicification). <u>Intercalated</u> : 135.2-135.7; 1% "pink mineral". The rest of the intercalated bands contain minor pyrrhotite, calcite and actinolite. 139.20 - 139.90; Quartz vein with minor pyrrhotite and 1% actinolite Core Angles: 15 - 18° 133.6-143.8m 12° at 146.8m	
146.50	149.50	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 1% actinolite and minor pyrite, highly fractured. Core Angle: 12° 0.1m limestone band at 146.8m	
149.50	151.10	<u>Quartz Biotite Schist and Quartz Carbonate Alteration</u> : 30% quartz Carbonate alteration intercalated with the schist and in fractures. minor disseminated pyrite. Core Angle: 12°	
151.10	152.70	<u>Breccia</u> : a dark grey argillite breccia with clasts of quartz carbonate alteration, quartz and pyrite with calcite in fractures.	
152.70	153.40	<u>Intercalated Quartz Carbonate Alteration and Argillite</u> : Core Angle: 15°	
153.40	153.80	<u>Quartz Band</u> : minor altered quartz carbonates.	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
153.80	156.80	<u>Altered Quartz Carbonate Zone:</u> containing 0.1m bands of argillite and fine bands of argillite throughout, highly fractured with minor disseminated pyrite.	
156.80	157.40	<u>Altered Quartz Feldspar Biotite Porphyry Dyke:</u> Calcite in fractures and minor disseminated pyrrhotite, minor quartz carbonate alteration.	
157.40	158.20	<u>Limestone:</u> light grey in colour with minor quartz carbonate alteration. Core Angle: 50°	
158.20	159.30	<u>Altered Quartz Feldspar Biotite Porphyry Dyke:</u> as in 156.8 to 157.4m.	
159.30	160.50	<u>Limestone:</u> highly calcareous light grey limestone. Core Angle: 50°	
160.50	166.10	<u>Quartz Diopside Skarn:</u> massive pyrrhotite and scheelite disseminated throughout, calcite and actinolite in fractures. 162.80 - 164.10; 4% Garnet	
166.10	166.50	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> Core Angle: 20°	
166.50	171.20	<u>Quartz Biotite Schist:</u> Calcite and quartz in fractures, core very broken in top section, highly calcareous. Core Angle: 25°	
171.20	175.90	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> Calcite and pyrrhotite in fractures with traces of pyrite. Core Angle: 15° 171.70 - 172.10; Quartz diopside garnet skarn - minor pyrrhotite and calcite with no scheelite.	
175.90	181.50	<u>Quartz Diopside Garnet Skarn:</u> Calcopyrite and pyrite found associated with quartz. sections 175.9 - 176.23 and 176.95-177.60 - do not contain garnet, 1% pyrrhotite found. Scheelite disseminated from 176.23 to 181.5m.	
181.50	184.70	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> 1% pyrrhotite and minor altered quartz carbonate. Scheelite found disseminated throughout the section from 0.15% to 1.00%. Core Angle: 20°	
184.70	185.30	<u>Quartz vein:</u> with 0.15% scheelite.	
185.30	188.0	<u>Quartz Monzonite</u>	
188.00	189.30	<u>Large Quartz Band:</u> with 10% calcite and 2% pyrite.	
189.30	194.16	<u>Quartz Monzonite:</u> with minor biotite and muscovite.	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14
No. 2 Zone

Mining Division Whitehorse

Hole Nº. 30

Angle: -70°

Direction: 225° 35'

Depth: 233.80m

Grid Nº.

Co-Ordinates: 5 + 74.7N
14 + 00W

Date Started: 9/07/80

Finished: 15/07/80

Logged By: Sandra Foster
(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE	Page 1 of 3
From	To		
0.00	62.80	<u>Quartz Biotite Schist</u> : rusting colours prevalent, highly silicious, very numerous quartz veins. Bedding Angles: 30° 0.25% scheelite at 62.5 - 62.95	
62.80	134.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 2-3% actinolite throughout the majority of the section. 1% pyrrhotite in fracture, local minor calcite in fractures. 122.40 - 112.80; increased fracture filled with actinolite Core Angles: 30° at 64.0m 28° at 83.0m 26° at 115.5m 28° at 130.0m 65.40 - 65.70, 67.40 - 68.7 and 69.80 - 70.9m: Quartz Biotite Porphyry dyke - dark grey, medium to coarse crystalline. 104.90 - 106.10; Quartz Biotite Schist 125.50 - 125.95 and 133.30 - 133.50; Quartz diopside skarn - no scheelite present lower skarn; minor pyrrhotite and 2% actinolite. 126.70 - 127.10; Altered limestone, light grey, fine crystalline with minor diopside alteration. 131.40 - 131.69; 1.81% scheelite.	
134.10	135.90	<u>Quartz Diopside Skarn</u> : with minor biotite bands, 2% actinolite in fracture, moderately silicious, minor pyrrhotite in fracture. Core Angle: 25°	
135.90	136.85	<u>Quartz Biotite Schist</u> :	
136.85	140.20	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 1% actinolite and minor pyrrhotite in fracture. Core Angle: 30°	

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
140.20	140.80	<u>Quartz Diopside Skarn:</u> no scheelite present.	
140.80	143.10	<u>Breccia:</u> clasts (< 1cm.) biotite schist, diopside skarn and quartz calcite matrix - extremely fractured with 3% actinolite in fracture, moderate silicification and minor pyrrhotite.	
143.10	158.00	<u>Intercalated Quartz Bt Schist and Diopside Skarn;</u> 4% actinolite, moderate silicification, minor pyrrhotite. Core angle: 27° at 149.5m	
158.00	162.20	<u>Breccia:</u> Schist, skarn and quartz clasts in argillite matrix with Quartz carbonate alteration in fractures and parallel to bedding. 1% pyrite, 1% pyrrhotite, 3% actinolite, highly fractured.	
162.20	163.50	<u>Intercalated Quartz Biotite Schist and Diopside Skarn;</u>	
163.50	166.65	<u>Quartz Biotite Schist:</u> with 15-30% quartz carbonate alteration in fractures and parallel to bedding, moderate silicification. 166.20 - 166.65; Highly fractured. Core Angles: 22° at 164.0m 25° at 165.5m - minor quartz veins.	
166.65	168.90	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 1% actinolite in fracture and parallel to bedding, trace pyrrhotite. Core Angle: 10° at 167.7m	
168.90	170.60	<u>Altered Limestone:</u> alternating light and dark grey bands with the light bands being more silicious. 169.0 - 169.2; Diopside skarn.	
170.60	172.90	<u>Argillite interbanded with Quartz Diopside Skarn:</u> bands of increased silica with diopside and actinolite.	
172.90	173.6	<u>Altered Limestone:</u> with some skarn minerals, light grey with dark grey bands.	
173.60	174.42	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 1% calcite, 3% actinolite in fracture.	
174.42	175.82	<u>Altered Limestone:</u> light grey with dark grey bands, some diopside (3%).	
175.82	178.35	<u>Quartz Diopside Skarn:</u> with minor biotite bands. 2% actinolite and 2% apatite (?) in fracture. No scheelite present.	
178.35	187.60	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> schist component is most predominant in the upper portion becoming less so with increasing depth. - minor discontinuous quartz veins throughout. - minor pyrrhotite and pyrite.	
187.60	189.50	<u>Quartz Biotite Schist with Quartz Carbonate Alteration:</u>	
189.50	189.80	<u>Altered Limestone:</u> dark grey.	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
189.80	192.00	<u>Breccia</u> : an argillite matrix with quartz and schist clasts. Highly silicious with massive pyrite and some minor calcopyrite alteration.	
192.00	199.50	<u>Quartz Biotite Schist with Quartz Carbonate Alteration</u> : highly fractured with a variable bedding angle. Highly silicious in the mid section of the zone.	
199.50	202.05	<u>Argillite</u> : with brecciated intervals containing clasts of altered quartz biotite schist and quartz. 200.00 - 200.50: Quartz Diopside Skarn with scheelite (.04-1%), 5% actinolite, 4% quartz carbonate alteration, minor pyrite.	
202.05	203.50	<u>Breccia</u> : Argillite matrix with quartz and altered biotite schist clasts - minor pyrite and moderate silicification.	
203.50	206.90	<u>Quartz Biotite Schist</u> : with quartz carbonate alteration.	
206.90	210.50	<u>Quartz Carbonate Alteration Zone</u> : highly silicious.	
210.50	213.27	<u>Quartz Diopside Skarn</u> : moderately silicious. 216.60-216.70; 20-25% pyrite Scheelite disseminated throughout the section.	
213.27	215.80	<u>Intercalated Quartz Biotite Schist</u> : (with quartz carbonate alteration) and diopside skarn. - 2% pyrrhotite. Scheelite disseminated throughout.	
215.80	221.50	<u>Quartz Biotite Schist</u> : with minor diopside bands. Also containing quartz carbonate alteration.	
221.50	222.70	<u>Diopside Pyrrhotite Skarn</u> : 45-50% pyrrhotite, 0.2% scheelite	
222.70	233.78	<u>Quartz Monzonite</u> : very soft, light grey with green crystalline material in upper portions.	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)
 CAB 10
 Mining Division Whitehorse

Location: Varden Creek (Fox Creek) Y. T.
 61° 52' 133° 22' NTS 105F/14
 No. 2 Zone

Hole Nº. 31

Angle: -90.0°

Direction:

Depth: 167.30m

Grid Nº.

Co-Ordinates: 3 + 70N

Date Started: 16/07/80

Finished: 22/07/80

17 + 10W
 Logged By: Sandra Foster
 (1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE	Page 1 of 2
From	To		
0.00	5.00	Casing	
5.00	57.40	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> the proportion of schist component increases with depth, minor quartz veins throughout. 1% actinolite, minor silicification. 32.3-34.3, 36.25-36.50, 37.3-38.37; <u>Quartz Diopside Skarn;</u> with minor garnet. 39.50 - 40.30; <u>Quartz Diopside Skarn</u> - no scheelite detected in any of the above skarns.	
57.40	62.00	<u>Broken and Ground Core:</u> composed of Quartz Biotite Schist and Quartz Diopside Skarn. - 5-10% calcite.	
62.00	64.40	<u>Breccia:</u> clasts of quartz and schist in matrix of very calcic muddy substance.	
64.40	90.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> with small quartz veins, minor actinolite, increasing to 3% towards the end of the section. Core Angles: 50° at 65.0m 45° at 87.5m 76.70 - 77.00: Quartz diopside skarn - trace actinolite and minor calcite in fracture. 78.90 - 79.30, 83.60 - 84.00; Quartz Diopside Garnet Skarn. - no scheelite detected in any of the above skarns.	
90.80	98.80	<u>Breccia:</u> section largely broken up and heavily fractured consists of clasts of altered biotite schist in quartz and a calcareous material. Some areas appear to be a black weathered limestone.	
98.80	126.50	<u>Quartz Biotite Schist:</u> with numerous quartz veins.	

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
		- a very large quartz vein 121.6 - 122.9m. - schist is moderately silicified. 98.80 - 100.20; Schist with Quartz Carbonate alteration. 101.30-101.70; Quartz Diopside Garnet Skarn, 1% pyrrhotite and minor actinolite, fractured and veined with quartz. 121.40 - 121.60; Quartz Diopside Garnet Skarn, with 1% pyrrhotite in fracture, 0.16% scheelite. Core Angles: 48° at 107m 50° at 117m	
126.5	128.20	<u>Quartz Biotite Porphyry Dyke</u> : light grey medium crystalline dyke.	
128.20	135.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 1% actinolite Core Angle: 46° at 132.0m	
135.00	139.70	<u>Quartz Biotite Porphyry Dyke</u> ; light grey medium crystalline dyke.	
139.70	140.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> :	
140.00	156.50	<u>Quartz Diopside Garnet Skarn</u> : minor pyrrhotite in fracture throughout and increasing to 1% in the bottom 3 metres of the section. 155.50 - 156.50; 5% pyrrhotite, 1% actinolite throughout. Scheelite disseminated throughout ranging from 0.02% to 1.26%. 147.1-147.3, 148.20-148.6, 152.88-153.1; <u>Quartz Biotite Schist</u> .	
156.50	167.30	<u>Quartz Monzonite</u> .	
END OF	HOLE		

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)
CAB 10

Location: Varden Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole Nº. 32

Angle: 90°

Direction:

Depth: 154.5m

Grid Nº.

Co-Ordinates: 3+ 68N
18+ 00W

Date Started: 23/07/80

Finished: 28/07/80

Logged By: David Downing

(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	7.30	Casing
7.30	45.49	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>
45.49	46.85	<u>Quartz Diopside Skarn</u>
46.85	47.80	<u>Quartz Biotite Schist</u>
47.80	50.00	<u>Altered Biotite Schist</u> : lightly bleached quartz biotite schist.
50.00	57.30	<u>Quartz Biotite Schist</u>
57.30	58.70	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>
58.70	59.30	<u>Quartz Biotite Schist</u>
59.30	65.90	<u>Altered Biotite Schist</u> : lightly bleached. 59.30-59.5 and 60.4-60.9; Intercalated quartz biotite schist and diopside skarn.
65.90	75.40	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 69.40-69.60: Altered biotite schist.
75.40	76.40	<u>Quartz Biotite Schist</u> :
76.40	78.30	<u>Breccia</u>
78.30	83.70	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>
83.70	86.30	<u>Altered Biotite Schist</u>
86.30	89.30	<u>Quartz Biotite Schist</u>
89.30	93.60	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>

DEPTH		DESCRIPTION OF CORE
From	To	
93.60	95.50	<u>Altered Argillite Breccia</u>
95.50	96.10	<u>Limestone Breccia</u>
96.10	99.60	<u>Altered Biotite Schist</u>
99.60	100.10	<u>Argillite Breccia</u>
100.10	118.60	<u>Altered Biotite Schist</u> 102.60-102.85, 113.0-113.30; Quartz Biotite Feldspar Porphyry Dykes. The positioning of the lower dyke is questionable due to poor core recovery in the area.
118.60	118.80	<u>Quartz Biotite Feldspar Porphyry Dyke</u>
118.80	123.80	<u>Quartz Biotite Schist</u>
123.80	124.60	<u>Graphitic Breccia</u>
124.60	131.70	<u>Altered Biotite Schist</u> : contains five bands of Quartz Biotite Feldspar Porphyry Dykes at 126.0-126.4, 127.8-128.2, 128.8-129.4 and 131.4-131.7.
131.70	133.30	<u>Breccia</u> : calcareous
133.30	137.00	<u>Quartz Diopside Skarn</u> : 133.3-134.0 section is very calcareous. Scheelite is scattered throughout from 0.01% to 0.3%.
137.00	139.10	<u>Quartz Monzonite</u>
139.10	143.60	<u>Quartz Diopside Skarn</u> : Scheelite disseminated throughout from trace to 1.21%.
143.60	154.50	<u>Quartz Monzonite</u>
END OF HOLE		

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)
 Mining Division CAB 12 Whitehorse

Location: Varden Creek (Fox Creek) Y. T.
 61° 52' 133° 22' NTS 105F/14
 No. 2 Zone

Hole Nº. 33 Angle: 90° Direction:

Depth: 145.40m Grid Nº. Co-Ordinates: 3 + 00N
 21 + 00W

Date Started: 29/07/80 Finished: 2/08/80 Logged By: David Downing

Drilled By: Caron Diamond Drilling Co. (1980)

DEPTH		DESCRIPTION OF CORE	Page 1 of 1
From	To		
0.00	8.00	Casing	
8.00	60.90	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 42.0 - 42.80: Quartz Biotite Schist 57.5-58.40: Breccia	
60.90	66.40	<u>Breccia: (altered biotite schist.)</u>	
66.40	69.80	<u>Altered Biotite Schist</u> 68.40 - 68.60; Quartz diopside skarn with 0.02% scheelite.	
69.80	72.39	<u>Argillite Breccia</u>	
72.39	73.00	<u>Altered Biotite Schist</u>	
73.00	117.20	<u>Quartz Biotite Schist</u> 103.1-105.3; Intercalated quartz biotite schist and diopside skarn. 116.3-116.50; Quartz biotite feldspar porphyry dyke.	
117.20	118.50	<u>Quartz Diopside Skarn:</u> no scheelite detected.	
118.50	119.70	<u>Altered Biotite Schist</u>	
119.70	122.50	<u>Quartz Diopside Skarn:</u> Scheelite detected from 119.7-121.5 from 0.005% to 0.1%	
122.50	133.70	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 128.0-128.50; Quartz biotite feldspar porphyry dyke.	
133.70	135.50	<u>Quartz Diopside Skarn:</u> minor scheelite detected throughout the section 134.4-135.0; Intercalated schist and skarn.	
135.50	145.39	<u>Quartz Monzonite</u>	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14
No. 2 Zone

Mining Division Whitehorse

Hole Nº. 34

Angle: -85°

Direction:

Depth: 161.5m

Grid Nº.

Co-Ordinates: 6 + 00N
11 + 00W

Date Started: 13/08/80

Finished: 18/08/80

Logged By: David Downing and
Richard Facey-Crowther
(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	8.40	Casing
8.40	84.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> section contains many large quartz veins at 22.5-23.6m, 37.1-37.2m, 38.7-38.9m, 42.9-43.2m, 56.0-56.84, 70.4-71.00, 73.0-73.3m and 78.8-79.2m. The section also contains some skarn bands towards the bottom of the section. 56.8-58.0, 62.8-64.5, 71.0-73.0, 73.9-74.24, 79.2-81.4, Quartz Diopside Skarn. Scheelite disseminated throughout the section from 54.9-81.51m.
84.10	86.60	<u>Quartz Biotite Schist</u>
86.60	87.30	<u>Altered Biotite Schist:</u> bleached biotite schist.
87.30	88.30	<u>Large Quartz vein:</u> with an estimated scheelite grains disseminated throughout.
88.30	91.45	<u>Quartz Diopside Skarn:</u> with scheelite throughout.
91.45	99.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 4 large quartz veins (0.2-0.7m in width) are in this section. Each containing scheelite in the vein and in the adjacent intercalated core.
99.10	100.60	<u>Altered Biotite Schist:</u> bleached biotite schist. 99.8 - 100.1; Quartz vein with pyrrhotite and scheelite.
100.60	109.40	<u>Quartz Biotite Schist:</u> with local bands of intercalated quartz biotite schist and diopside skarn at 102.7-103.6 and 105.2-105.7m
109.40	114.80	<u>Quartz Diopside Skarn:</u> Scheelite disseminated throughout - a lens of intercalated is present at 112.5-112.7m

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
114.80	116.20	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>	
116.20	117.20	<u>Altered Quartz Biotite Schist</u>	
117.20	117.80	<u>Biotite Schist with Argillite</u> - 5% pyrite and scheelite present.	
117.80	118.10	<u>Quartz Vein:</u> with Pyrrhotite	
118.10	118.70	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> Scheelite throughout.	
118.70	119.40	<u>Argillite with Biotite</u>	
119.40	120.00	<u>Breccia:</u> an argillite breccia with cubic pyrite.	
120.00	121.70	<u>Altered Biotite Schist:</u> a very calcareous schist (possibly a grey limestone).	
121.70	131.35	<u>Quartz Biotite Schist:</u> 125.3-126.0; Altered Biotite Schist 126.8-127.0; Altered Biotite schist with quartz-almost a breccia. 127.0-127.7; Quartz vein consisting of some biotite schist (20%) and containing pyrrhotite. 129.7-130.3; Quartz vein with pyrrhotite.	
131.35	134.10	<u>Missing Core</u>	
134.10	139.40	Section with approximately one half of the core missing. 134.0-135.1; Intercalated quartz biotite schist and diopside skarn. 135.5-139.4; Quartz Biotite Schist.	
139.40	139.86	<u>Quartz:</u> with a slight Porphyritic texture; 5% muscovite, 5% Mafics. Highly fractured with 10% of section altered to a white powder. Calcite prevalent along fractures.	
139.86	144.90	<u>Altered Biotite Schist:</u> 143.20-143.40: Quartz vein with 30% pyrrhotite, 2% chalcopyrite.	
144.90	147.30	<u>Quartz Diopside Skarn:</u> heavily fractured section containing 20% pyrrhotite which is massive in sections with portions strongly altered and silicified. 30% actinolite which is best developed along fractures. A very dark skarn, a dark green to black colour. The top 0.3m of the section is scheelite disseminated throughout.	
147.30	148.35	<u>Quartz Vein:</u> contains inclusions of schist, 3% actinolite, 2% pyrrhotite and trace pyrite. Heavily fractured. Scheelite throughout.	
148.35	153.42	<u>Altered Quartz Biotite Schist:</u> marginal to a biotite schist. Section is bleached with some v leached zones being calcareous, contains fracture surfaces with slickensides. Minor chlorite on fracture surfaces. 5% calcite found along schistosity. Biotite schist may be strongly altered to a white powder along the schistosity. 1% actinolite along fractures. Core Angle: 37° at 149.5m	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
153.42	161.50	<p><u>Quartz Monzonite:</u> is a metasedimentary gneiss showing weak foliation at 45°. Foliation indicated by Kaolinized biotite(?). Kaolinized (white powder clay) from 20-70%.</p> <p>Mineralogy - 60% quartz, 30% pyroxene, 2% pyrite (in blebs along fracture), trace unidentified pink mineral, 5% muscovite, trace pyrrhotite.</p> <p>Minor granite is developed on shearing surfaces. Composition may vary to a quartz biotite feldspar porphyry or to strongly altered biotite schist.</p> <p>Strongly bleached along fractures.</p>	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

No. 2 Zone

Hole Nº. 35

Angle: -83°

Direction: 225° 35'

Depth: 180.1m

Grid Nº.

Co-Ordinates: 5 + 95N

12 + 00W

Date Started: 19/08/80

Finished: 23/08/80

Logged By: R. Facey-Crowther

Drilled By: Caron Diamond Drilling Co.

(1980)

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	6.25	Casing
6.25	11.20	<u>Quartz Biotite Schist</u> (perhaps phyllitic?)
11.20	11.30	<u>Dark Grey to Black Mud</u> , perhaps a contact between the intercalated schist and skarn below and the phyllitic sediments above.
11.30	27.20	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : minor scheelite found locally in the section. 18.7 - 19.8; Quartz Diopside Skarn 23.0 - 23.6; Quartz Biotite Schist
27.20	30.20	<u>Talc (?)</u> : a white powder substance with minor calcite to non-calcareous from 29.9-30.2. 29.5 - 29.9; Quartz Biotite Schist.
30.20	30.90	<u>Quartz Biotite Schist</u> : 30.7 - 30.9; Quartz Biotite Schist and Quartz breccia.
30.90	31.3	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u>
31.30	32.80	<u>Breccia</u> : Biotite schist and quartz breccia.
32.80	43.00	<u>Quartz Biotite Schist</u>
43.00	66.70	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 49.0 - 49.4; Large quartz vein 53.6 - 53.9; 50% Quartz; 50% skarn Two quartz diopside skarn bands in the section, 51.1-52.1 and 55.9-56.4 Scheelite found from 47.45-53.9m 59.9 - 61.6; Quartz biotite porphyry dyke.
66.70	70.70	<u>Altered Biotite Schist</u> ; heavily fractured biotite schist and skarn. Minor argillite with pyrite and brecciated in places.

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
70.7	89.70	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> 82.9 - 83.1; Quartz vein and 88.1 - 88.4	
89.70	94.30	<u>Quartz Diopside Skarn:</u> Scheelite disseminated throughout.	
94.30	110.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> with many large quartz veins in the section. (95.2-95.9, 105.8-106.1, 106.4-106.8, 107.0-107.9, 109.2-109.5m) Scheelite disseminated throughout the schist and in the quartz veins.	
110.00	115.40	<u>Quartz Diopside Skarn:</u> disseminated scheelite throughout. 114.00 - 114.50; Intercalated Schist and Skarn.	
115.40	120.20	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 117.30 - 117.1; Quartz Diopside Skarn.	
120.20	121.20	<u>Quartz Diopside Skarn:</u> Scheelite present in skarn.	
121.20	126.40	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u>	
126.40	127.10	<u>Quartz Diopside Skarn.</u>	
127.10	128.66	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
128.66	129.10	<u>Quartz Diopside Skarn:</u> with scheelite	
129.10	132.90	<u>Quartz Biotite Schist.</u>	
132.90	138.10	<u>Quartz Diopside Skarn:</u> with scheelite disseminated throughout. 133.30 - 134.00; Intercalated schist and skarn band.	
138.10	142.22	<u>Quartz Vein:</u> (very large) 138.10 - 139.10: White quartz vein with pyrrhotite and minor altered biotite schist bands. 139.10 - 140.20: White and grey quartz with pyrrhotite and brecciated, altered biotite schist. 140.20 - 142.20; Quartz with a breccia of pyrrhotite and biotite schist and some light yellow bands. Scheelite throughout the quartz.	
142.22	144.00	<u>Altered Biotite:</u> grey in colour, containing some argillite and light yellow bands (minor quartz-carbonate alteration).	
144.00	145.70	<u>Breccia:</u> grey in colour, containing altered biotite schist and argillite clasts in a quartz and calcite matrix.	
145.70	147.44	<u>Altered Biotite Schist:</u> 145.70 - 147.20: Grey altered schist - calcareous with some argillite. 0.2 m wide quartz vein at the end of the section.	
147.44	152.85	<u>Quartz Diopside Skarn</u> with Scheelite Disseminated throughout 149.40 - 149.70; massive pyrrhotite	
152.85	160.30	Missing Core.	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
160.30	166.90	<u>Quartz Diopside Skarn:</u> 160.30 - 160.40: Quartz Biotite Schist. 161.20 - 162.00; Intercalated schist and skarn. 162.00 to end of skarn: scheelite throughout the section.	
166.90	169.38	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> - Scheelite found in lower section.	
169.38	172.10	<u>Massive Pyrrhotite and quartz</u>	
172.10	180.10	<u>Quartz Monzonite.</u>	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole Nº. 36

Angle: -70.0°

Direction: 225° 35'

Depth: 233.8m

Grid Nº.

Co-Ordinates: 6 + 65N
13 + 00W

Date Started: 24/08/80

Finished: 30/08/80

Logged By: R. Facey-Crowther
(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE	Page 1 of 3
From	To		
0.00	12.00	Casing	
12.00	68.60	<u>Quartz Biotite Schist</u> : possibly phyllitic towards the start of the hole.	
68.60	115.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 113.84 - 114.02; Quartz diopside skarn - scheelite throughout.	
115.80	118.90	<u>Quartz Biotite Schist</u> .	
118.90	120.70	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> .	
120.70	122.80	<u>Breccia</u> : biotite breccia, very poor recovery section is mostly mud.	
122.80	157.70	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 137.60 - 133.30: Quartz Biotite Feldspar Porphyry Dyke. 148.90 - 149.10: Quartz vein.	
157.70	160.20	<u>Quartz Diopside Skarn</u> : scheelite disseminated throughout lower half of section.	
160.20	160.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : quartz vein, 0.1m in width across middle of section.	
160.80	162.46	<u>Quartz Biotite Feldspar Porphyry Dyke</u> .	
162.46	164.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : with scheelite disseminated throughout the section.	
164.00	165.40	<u>Large Quartz Vein</u> .	
165.40	176.30	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 166.50 - 167.27; Quartz vein with minor scheelite. 168.40 - 168.80; Quartz Diopside Skarn with scheelite in upper portions.	

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
		174.80 - 175.70; Quartz Biotite Feldspar Porphyry Dyke.	
176.30	178.30	<u>Quartz Biotite Schist.</u>	
178.30	181.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
181.10	182.60	<u>Quartz Diopside Skarn:</u> with scheelite	
182.60	185.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
185.00	187.70	<u>Quartz Diopside Skarn:</u> with scheelite disseminated throughout the lower half of the skarn. - small biotite schist band at 187.03 - 187.16	
187.70	193.50	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
193.50	196.30	<u>Altered Biotite Schist:</u> 193.60 - 194.60: altered schist with pyrrhotite and quartz. 194.60 - 194.80: Breccia; biotite, diopside, quartz, pyrrhotite breccia. 195.70 - 196.30: altered schist with argillite. - 2 large quartz veins in the section.	
196.30	197.60	<u>Argillite</u>	
197.60	198.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
198.80	201.60	<u>Quartz Biotite Schist.</u>	
201.60	202.50	<u>Altered Biotite Schist.</u>	
202.50	207.40	<u>Quartz Diopside Skarn:</u> scheelite disseminated throughout section from 205.41 to the end. 202.70 - 202.90 and 204.00 - 205.00 - Intercalated Schist and Skarn. 203.60 - 204.00; Quartz vein with pyrrhotite.	
207.40	211.30	<u>Massive Pyrrhotite:</u> with skarn and calcopyrite scheelite disseminated throughout entire section.	
211.30	215.70	<u>Quartz Diopside Skarn:</u> with scheelite.	
215.70	217.50	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> with pyrrhotite and calcopyrite.	
217.50	218.30	<u>Altered Biotite Schist.</u>	
218.30	218.50	.1m band of argillite with quartz .1m quartz vein	
218.50	220.20	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
220.20	221.60	<u>Quartz Diopside Skarn:</u> with Scheelite.	
221.60	223.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
223.00	227.90	<u>Quartz Diopside Skarn:</u> Scheelite disseminated from 223.15-225.3m.	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
		224.40 - 224.90: Quartz vein with pyrrhotite and malachite.	
		225.30 - 225.60: Quartz vein with pyrrhotite.	
227.90	233.80	<u>Quartz Monzonite Intrusive.</u>	
END OF HOLE			

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Claims (Risby)

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole Nº 37

Angle: -80°

Direction: 225° 35'

Depth: 147.2m

Grid Nº

Co-Ordinates: 5 + 95N
10 + 00W

Date Started: 30/08/80

Finished: 1/09/80

Logged By: R. Facey-Crowther
(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	6.80	Casing
6.80	14.00	<u>Quartz Biotite Schist</u> : core extremely broken with very poor core recovery.
14.00	75.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : - core extremely broken with very poor core recovery in the first seven metres of core. 55.90 - 56.6, 79.20 - 79.56, 80.00 - 80.40 - Quartz veins with pyrrhotite. 56.60 - 57.10, 67.80 - 68.5; Quartz Diopside Skarn. 57.80 - 58.00, 62.60 - 62.70, 67.40 - 67.50; Quartz Biotite Feldspar Porphyry Dyke. 71.35 - 71-55; massive pyrrhotite with pyrite and quartz. With scheelite in and adjacent to the section.
75.10	77.40	<u>Large Quartz Vein with Pyrrhotite</u> : diopside, actinolite and minor actinolite.
77.40	95.40	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 79.20 - 79.60, 80.00 - 80.40, 88.80 - 88.45; quartz vein with pyrrhotite. 86.60 - 87.30: Quartz biotite schist. 88.10 - 88.80, 89.80 91.00; Quartz diopside Skarn. Scheelite found in bands locally in the intercalated schist and skarn.
95.40	97.50	<u>Quartz Vein with Pyrrhotite</u> : a light green tinge to the quartz.
97.50	108.40	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 100.25 - 100.40; Massive pyrrhotite with quartz and scheelite. 101.50 - 101.80; Quartz Diopside skarn. 103.60 - 104.35; Quartz Diopside skarn with massive pyrrhotite and scheelite disseminated throughout.
108.40	111.90	<u>Quartz Biotite Schist</u> .

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
111.90	114.10	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u>	
114.10	114.30	<u>Quartz vein:</u> with pyrrhotite and actinolite.	
114.30	118.00	<u>Quartz Biotite Schist:</u> with a quartz biotite feldspar porphyry dyke of 0.1m width at 115.40.	
118.00	119.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn.</u>	
119.80	126.00	<u>Altered Biotite Schist:</u> 120.20 - 121.30; Argillite with pyrite, diopside and biotite schist.	
126.00	130.20	<u>Quartz Diopside Garnet Skarn:</u> with pyrrhotite and scheelite.	
130.20	133.80	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> 132.42 - 133.20: Quartz Diopside Skarn.	
133.80	137.30	<u>Quartz Diopside Skarn:</u> 136.40 - 136.45: Quartz Biotite Feldspar - Porphyry Dyke.	
137.30	147.20	<u>Quartz Monzonite Intrusive.</u>	
END OF HOLE			

APPENDIX B

DIAMOND DRILL ASSAYS

DIAMOND DRILL RECORD

Date Began August 3, 1980 Date Completed August 5/80

166.72 m = 49.5°

Property CAB Claims Project No. 7398 Depth 169.80 m
 Hole No. 2 Co-ord 13 + 43 W Horizontal Length
 4 + 15.2N
 Sheet No. 1 of 1 Direction 180°
 Claim No. CAB #27 Elevation 1802.43m Angle -49.0°

Resident

DEPTH	NUMBER	WIDTH	AU	wt. kg. X% CU	ASSAY ZN	WO ₃ %	NI	WIDTH X ASSAY	AVERAGES						
									WIDTH	AU	AG	CU	ZN		
Hole extended from 145.1 m															
45.10-145.40	71482	0.30		0.65		0.05	0.015								
45.40-145.60	71483	0.20		0.30		0.15	0.030								
45.60-145.74	71484	0.14		0.35		1.51	0.211								
45.74-145.84	71485	0.10		0.15		0.50	0.050	145.6 - 147.25	1.65m		1.65%	WO ₃			
45.84-146.54	71486	0.70		1.10		3.03	2.121	(2.720)							
46.54-147.10	71487	0.56		0.85		0.40	0.224								
47.10-147.25	71488	0.15		0.50		0.76	0.114								
47.25-147.90	71489	0.65		1.05		0.30	0.195	147.25 - 147.90 (0.195)	0.65m		0.30%	WO ₃			
47.90-148.08	71490	0.18		0.25		0.01	0.002								
48.08-148.73	71491	0.65		1.15		0.101	0.067	147.9 - 149.6 (0.069)	1.70m		0.04%	WO ₃			
48.73-149.60	Waste	0.87													
49.60-150.60	71492	1.00		1.40		3.03	3.030	149.6 - 150.6 (3.03)	1.0		3.03%	WO ₃			
50.60-150.95	71493	0.35		0.40		0.35	0.122								
50.95-151.68	71494	0.73		0.85		0.20	0.146								
51.68-151.88	71495	0.20		0.50		0.101	0.020								
51.88-169.80	Waste	17.89						or 145.6 - 150.6 (6.014)	5.0m		1.20%	WO ₃			

DIAMOND DRILL RECORD

Date Began 16 June 1980 Date Completed 21 June 1980

60.96 m - 78.00°
91.44 m - 74.25°
105.77 m - 70.75°

Property CAB Claims Project No. 7398 Depth 105.8 m
 Hole No. 26 Co-ord 5 + 17.1 N Horizontal Length _____
 Sheet No. 1 of 2 11 + 07.7 W Direction 225° 35'
 Claim No. CAB # 25 Elevation 1670.6 Angle -86°

Resident

DEPTH	NUMBER	(m) WIDTH	ASSAY				WO ₃	NI	WIDTH X ASSAY			AVERAGES		
			AU	AG	CU	ZN			WIDTH	AU	AG	CU	ZN	
0.00 - 9.20	Casing	9.20												
9.20 - 11.50	Waste	2.30												
11.50 - 11.70	71001	0.20					0.01	.0020						
11.70 - 16.90	Waste	5.20												
16.90 - 17.05	71002	0.15					0.05	.0075						
17.05 - 18.65	Waste	1.60												
18.65 - 18.80	71003	0.15					0.10	.0150						
18.80 - 20.10	Waste	1.30												
20.10 - 20.25	71004	0.15					0.15	.0225						
20.25 - 20.50	Waste	0.25												
20.50 - 20.70	71005	0.20					0.40	.0800						
20.70 - 20.77	Waste	0.07												
20.77 - 20.95	71006	0.18					0.50	0.090	20.50-20.95 (0.170)	0.45		0.38% WO ₃		
20.95 - 30.02	Waste	9.07												
30.02 - 30.12	71007	0.10					0.40	.0400						
30.12 - 31.00	Waste	0.88												
31.00 - 31.10	71008	0.10					0.10	.0100						
31.10 - 31.65	Waste	0.55												
31.65 - 31.90	71009	0.25					0.40	.1000						
31.90 - 32.98	Waste	1.08												
32.98 - 33.23	71010	0.25					0.30	.0750						
33.23 - 38.30	Waste	5.07												
38.30 - 38.50	71011	0.20					0.15	.0300						
38.50 - 56.80	Waste	18.30												
56.80 - 57.00	71012	0.20					0.25	.0500						
57.00 - 58.90	Waste	1.90												
58.90 - 59.10	71013	0.20					0.10	.0200						
59.10 - 61.30	Waste	2.20												
61.30 - 61.50	71014	0.20					0.40	.0800						
61.50 - 61.92	Waste	0.42												
61.92 - 62.10	71015	0.18					0.40	.0720						
62.10 - 63.35	Waste	1.25												
63.35 - 63.60	71016	0.25					1.51	.3775						
63.60 - 63.78	71017	0.18					0.80	.1440						

Date Began Date Comp' 'ed
 Property CAB Claims Project No. Depth
 Hole No. 26 Co-ord Horizontal Length
 Sheet No. 2 of 2 Direction
 Claim No. CAB # 25 Elevation Angle

Resident

DEPTH	NUMBER	WIDTH	ASSAY				WO ₃ PB ₃	NI	WIDTH X ASSAY	AVERAGES								
			AU	AG	CU	ZN				WIDTH	AU	AG	CU	ZN				
63.78 - 64.00	71018	0.22					1.51	.3322										
64.00 - 64.20	71019	0.20					10.00	2.000										
64.20 - 64.35	71020	0.15					0.20	.0030										
64.35 - 65.07	71021	0.72					1.00	.7200										
65.07 - 65.22	Waste	0.15																
65.22 - 65.80	71022	0.58					5.00	2.9000										
65.80 - 66.00	Waste	0.20																
66.00 - 66.10	71023	0.10					1.21	.1210										
66.10 - 66.60	Waste	0.50																
66.60 - 66.85	71024	0.25					1.00	.2500										
66.85 - 66.95	Waste	0.10																
66.95 - 67.10	71025	0.15					0.50	.0750										
67.10 - 67.70	Waste	0.60																
67.70 - 68.05	71026	0.35					0.10	.0350										
68.05 - 68.40	Waste	0.35																
68.40 - 68.50	71027	0.10					0.50	.0500										
68.50 - 68.55	Waste	0.05																
68.55 - 68.65	71028	0.10					0.25	.0250										
68.65 - 69.27	Waste	0.62																
69.27 - 69.52	71029	0.25					2.00	.5000										
69.52 - 69.77	Waste	0.25																
69.77 - 69.87	71030	0.10					1.21	.1210										
69.87 - 85.86	Waste	15.99																
85.86 - 86.50	71034	0.64					0.40	.2560										
86.50 - 86.71	Waste	0.21																
86.71 - 86.85	71035	0.14					0.10	.0140										
86.85 - 86.94	Waste	0.09																
86.94 - 87.24	71036	0.30					1.51	.4530										
87.24 - 87.87	Waste	0.63																
87.87 - 88.82	71033	0.95					0.25	.2375										
88.82 - 89.03	71032	0.21					N/D	*										
89.03 - 89.23	Waste	0.20																
89.23 - 89.46	71031	0.23					5.00	1.15										
89.46 - 105.77	Waste	16.31																

63.35-66.85 (6.8477) 3.5m 1.96% WO₃ over 3.5 m

69.27-69.87 (0.621) 0.6m 1.04% WO₃ over 0.6 m

or 63.35-69.87 (7.6537) 6.52m 1.17% WO₃

86.94-89.46 2.52m 0.73% WO₃ (1.8405)

Date Begun Date Completed

Property CAB CLAIMS Project No. Depth

Hole No. 28 Co-ord Horizontal Length

Sheet No. 3 of 5 Direction

Claim No. CAB # 27 Elevation Angle

Resident

DEPTH	NUMBER	WIDTH	AU	kg kg	ASSAY		WO %	NI	WIDTH X ASSAY	AVERAGES				
					CU	ZN				WIDTH	AU	AG	CU	ZN
163.00	-165.80	Waste	2.80											
165.80	-165.96	71236	0.16				0.25	0.040						
165.96	-171.66	Waste	5.70											
171.66	-171.76	71237	0.10	0.20			0.50	0.050						
171.76	-172.47	71238	0.71	1.10			0.05	0.036						
172.47	-173.50	Waste	1.03											
173.50	-173.72	71239	-0.22	0.60			0.15	0.033						
173.72	-173.79	Waste	0.07											
173.79	-173.89	71240	0.10	0.40			0.15	0.015						
173.89	-174.15	71241	0.26	1.50			0.50	0.130	173.89 - 174.65	0.76m		0.20%	WO ₃	
174.15	-174.65	71242	0.50	1.40			0.05	0.025	(0.155)					
174.65	-175.19	71243	0.54	0.80			0.80	0.432						
175.19	-175.80	71244	0.61	1.10			0.15	0.092	174.65 - 176.08	1.43m		0.40%	WO ₃	
175.80	-176.08	71246	0.28	0.50			0.15	0.042	(0.566)					
176.08	-176.55	71247	0.47	0.70			0.40	0.188	176.08 - 176.76	0.68m		0.90%	WO ₃	
176.55	-176.76	71248	0.21	0.40			2.01	0.422	(0.610)					
176.76	-176.86	71249	0.10	0.50			0.05	0.005						
176.86	-177.20	71250	0.34	0.50			0.10	0.034	176.76 - 177.70	0.94m		0.14%	WO ₃	
177.20	-177.50	71251	0.30	0.40			0.25	0.075	(0.134)					
177.50	-177.70	71252	0.20	0.40			0.10	0.020						
177.70	-178.10	71253	0.40	0.50			0.50	0.200						
178.10	-178.35	71254	0.25	0.65			0.25	0.063	177.70 - 178.90	1.20m		0.40%	WO ₃	
178.35	-178.90	71255	0.55	0.70			0.40	0.220	(0.483)					
178.90	-179.22	71256	0.32	0.45			0.25	0.080						
179.22	-179.77	71257	0.55	0.80			0.10	0.055	178.90 - 179.91	1.01m		0.15%	WO ₃	
179.77	-179.91	71258	0.14	0.25			0.15	0.021	(0.156)					
179.91	-180.04	71259	0.13	0.25			1.00	0.130						
180.04	-180.57	71260	0.53	0.90			1.00	0.530						
180.57	-181.12	71261	0.55	0.80			0.50	0.275						
181.12	-181.29	71262	0.17	0.30			3.00	0.510						
181.29	-181.46	71263	0.17	0.30			1.51	0.257						
181.46	-181.56	71264	0.10	0.20			6.00	0.600	179.91 - 183.76	3.85m		1.20%	WO ₃	
181.56	-181.79	71265	0.23	0.40			1.00	0.230	(4.606)					
181.79	-181.94	71266	0.15	0.30			1.21	0.182						

DIAMOND DRILL RECORD

Date Began Date Completed

Property CAB Claims Project No. Depth

Hole No. 28 Co-ord Horizontal Length

Sheet No. 5 of 5 Direction

Claim No. CAB # 27 Elevation Angle

Resident

DEPTH	NUMBER	(m) WIDTH	ASSAY				WIDTH X ASSAY			AVERAGES			
			AU	Wt kg Ag	CU	ZN	WO ₃ g/t	NI	WIDTH	AU	Ag	CU	ZN
193.82 - 194.34	71299	0.52		0.80			0.15	0.078	193.82 - 197.20	3.38m	0.02%	WO ₃	
194.34 - 197.20	Waste	2.86							(0.078)				
197.20 - 197.34	71300	0.14		0.20			1.00	0.140	197.20 - 197.34	0.14m	1.00%	WO ₃	
197.34 - 197.60	Waste	0.26							(0.140)				
197.60 - 198.57	71401	0.97		1.20			0.10	0.097					
198.57 - 199.15	71402	0.58		0.90			0.05	0.029					
199.15 - 209.40	Waste	10.01											
173.89 - 174.65							0.20	0.155					
174.65 - 176.08							0.40	0.566	174.65 - 176.76	2.11m	0.56%	WO ₃	
176.08 - 176.76							0.90	0.610	(1.176)				
176.76 - 177.70							0.14	0.134					
177.70 - 178.90							0.40	0.483	176.76 - 179.91	3.15m	0.25%	WO ₃	
178.90 - 179.91							0.15	0.156	(0.773)				
179.91 - 183.76							1.20	4.606	179.91 - 183.76	3.85 m	1.20%	WO ₃	
183.76 - 186.23							0.14	0.346	(4.606)				
186.23 - 186.53							6.48	1.944	183.76 - 186.53	2.77m	0.83%	WO ₃	
186.53 - 190.15							0.04	0.141	(2.290)				
190.15 - 191.62							1.87	2.749	186.53 - 191.62	5.09m	0.57%	WO ₃	
191.62 - 192.02							0.34	0.136	(2.890)				
192.02 - 192.77							0.43	0.326	191.62 - 192.77	1.15m	0.40%	WO ₃	
192.77 - 193.82							0.21	0.219	(0.462)				

OR 174.65 - 192.77
(12.197) 18.12m 0.67% WO₃

DIAMOND DRILL RECORD

Date Began July 1, 1980 Date Comp. July 8, 1980

Property CAB Claims Project No. 7398 Depth 194.2 m
 Hole No. 29 Co-ord 5 + 66.8 N Horizontal Length _____
13 + 00 W
 Sheet No. 1 of 1 Direction 225°35'
 Claim No. CAB 27 Elevation 1732.89 m Angle -40.0°

60.96 m - 34.5°
 91.44 m - 33.6°
 121.92 m - 32.6°
 152.40 m - 32.6°
 182.88 m - 32.6°
 194.16 m - 32.6°

Resident

DEPTH	NUMBER	WIDTH	AU	wt. kg. X ₁₀₀	ASSAY		WO ₃	NI	WIDTH X ASSAY			AVERAGES		
					CU	ZN			WIDTH	AU	AG	CU	ZN	
0.00 - 2.60	Casing													
2.60 - 54.94	waste													
54.94 - 55.07	71404	0.13		0.25			0.15	0.020						
55.07 - 62.00	waste	6.93												
62.00 - 62.81	71405	0.81		0.95			0.15	0.122						
62.81 - 65.76	waste	2.95												
65.76 - 66.21	71406	0.45		0.70			0.25	0.113						
66.21 - 68.20	71407	1.99		1.80			0.15	0.299						
68.20 - 160.35	waste	92.15												
160.35 - 161.90	71408	1.55		1.80			0.40	0.620	160.35 - 161.90 (0.620)		1.55m		0.40% WO ₃	
161.90 - 162.28	71409	0.38		0.60			0.05	0.019						
162.28 - 162.58	71410	0.30		0.40			0.15	0.045	or 160.35 - 164.50		4.15		0.44% WO ₃	
162.58 - 163.64	71411	1.06		1.90			0.25	0.265	(1.809)					
163.64 - 164.50	71412	0.86		1.50			1.00	0.860						
164.50 - 165.30	71413	0.80		1.10			0.25	0.200						
165.30 - 166.12	71414	0.82		1.20			0.04	0.033						
166.12 - 176.23	waste	10.11												
176.23 - 176.85	71415	0.62		1.05			0.15	0.093						
176.85 - 176.95	71416	0.10		0.30			3.00	0.300						
176.95 - 177.60	71417	0.65		0.95			0.05	0.033	176.85 - 179.22 (1.673)		2.37m		0.61% WO ₃	
177.60 - 178.34	71418	0.74		1.30			0.15	0.011						
178.34 - 179.22	71419	0.88		1.05			1.51	1.329						
179.22 - 179.77	71420	0.55		0.90			0.25	0.138						
179.77 - 180.53	71421	0.76		1.50			0.50	0.380						
180.53 - 181.15	71422	0.62		0.85			0.03	0.019	179.22 - 183.76 (1.737)		4.54m		0.38% WO ₃	
181.15 - 183.50	71423	2.35		3.20			0.40	0.940						
183.50 - 183.76	71424	0.26		0.40			1.00	0.260						
183.76 - 184.61	71425	0.85		0.90			0.15	0.128						
184.61 - 185.14	71426	0.53		0.75			0.15	0.080						
185.14 - 194.16	waste	9.02							Or 176.85 - 183.76 (3.410)		6.91m		0.49% WO ₃	

Date Began Date Completed

Property CAR Claims Project No. DepthHole No. 34 Co-ord Horizontal LengthSheet No. 2 of 4 Direction

Claim No. Elevation Angle

Resident

DEPTH	NUMBER	WIDTH	AU	wt kg Ag	ASSAY		WO ₃ %	NI	WIDTH X ASSAY			AVERAGES		
					CU	ZN			WIDTH	AU	AG	CU	ZN	
68.93-69.20	71564	0.27		0.50			0.25	0.068						
69.20-69.40	71565	0.20		0.50			0.005	0.001						
69.40-69.67	71566	0.27		0.60			0.35	0.095	69.40 - 69.67	0.27m		0.35% WO ₃		
69.67-70.07	71567	0.40		0.55			0.101	0.040						
70.07-71.10	71568	0.93		1.05			0.005	0.005						
71.10-71.22	71569	0.22		0.30			0.101	0.022						
71.22-72.72	71570	1.50		2.00			0.126	0.189						
72.72-73.25	71572	0.53		0.70			0.03	0.016						
73.25-73.41	71574	0.16		0.40			0.40	0.064	73.25 - 73.41	0.16m		0.40% WO ₃		
73.41-74.24	71575	0.83		1.20			0.04	0.033						
74.24-74.39	71576	0.15		0.30			TR	0.000						
74.39-74.66	71577	0.27		0.45			0.15	0.041						
74.66-78.22	Waste	3.56												
78.22-78.40	71578	0.18		0.30			0.20	0.036						
78.40-79.63	Waste	1.23												
79.63-79.96	71579	0.33		0.55			0.35	0.116						
79.96-80.43	71580	0.47		0.65			0.045	0.021						
80.43-80.84	71581	0.41		0.60			0.50	0.205						
80.84-81.11	71582	0.27		0.55			0.40	0.108	80.43-81.40	0.97m		0.46% WO ₃		
81.11-81.40	71583	0.29		0.55			0.45	0.131	(0.444)					
81.40-81.51	71584	0.11		0.15			0.15	0.017						
81.51-87.34	Waste	5.83												
87.34-87.48	71585	0.14		0.20			0.076	0.011						
87.48-87.94	71586	0.46		0.60			0.101	0.046						
87.94-88.16	71587	0.22		0.40			0.40	0.088	87.94 - 88.16	0.22m		0.40% WO ₃		
88.16-88.54	71588	0.38		0.60			0.15	0.057						
88.54-88.78	71589	0.24		0.30			0.03	0.007						
88.78-89.40	71590	0.62		0.95			0.101	0.063						
89.40-89.75	71591	0.35		0.50			0.76	0.266	89.40 - 89.75	0.35m		0.76% WO ₃		
89.75-91.11	71592	1.36		1.70			0.015	0.020						
91.11-91.29	71593	0.18		0.20			0.25	0.045						
91.29-91.45	71594	0.16		0.10			0.02	0.003						
91.45-91.58	71595	0.13		0.25			2.52	0.328	91.45-91.58	0.13m		2.52% WO ₃		

Date Began Aug. 19/80 Date Completed Aug. 23/80

91.44m - 79.9°
121.92m - 79.9°
149.35m - 79.3°

Property CAB Claims Project No. 7398 Depth 18 1m
Hole No. 35 Co-ord 5 + 95N Horizontal Length
Sheet No. 1 of 4 12 + 00W Direction 225°35'
Claim No. CAB #27 Elevation 1676m Angle -83°

Resident

DEPTH	NUMBER	WIDTH	AU	wt kg	ASSAY		WO ₃	NI	WIDTH X ASSAY			AVERAGES			
					CU	ZN			WIDTH	AU	AG	CU	ZN		
0.00-	6.25	casing	6.25												
6.25-	12.10	Waste	5.85												
12.10-	12.28	71623	0.18	0.20			0.25	0.045							
12.28-	14.97	Waste	2.69												
14.97-	16.00	71624	1.03	1.25			0.04	0.041							
16.00-	17.45	71625	1.45	1.50			0.076	0.1102							
17.45-	18.20	Waste	0.75												
18.20-	19.10	71626	0.90	0.60			0.01	0.009							
19.10-	19.90	Waste	0.80												
19.90-	20.46	71627	0.56	0.35			0.20	0.112							
20.46-	25.40	Waste	4.94												
25.40-	26.50	71628	1.10	0.70			0.05	0.055							
26.50-	47.45	Waste	20.95												
47.45-	47.63	71629	0.18	0.30			0.76	0.137	47.45 - 47.63	0.18m		0.76%	WO ₃		
47.63-	47.86	71630	0.23	0.30			0.015	0.003							
47.86-	47.98	Waste	0.12												
47.98-	48.22	71631	0.24	0.35			0.05	0.012							
48.22-	48.80	71632	0.58	0.85			0.03	0.017							
48.80-	49.02	Waste	0.22												
49.02-	49.10	71633	0.08	0.15			0.03	0.002							
49.10-	49.94	Waste	0.84												
49.94-	50.75	71634	0.81	1.15			0.101	0.082							
50.75-	51.27	71635	0.52	0.60			0.03	0.016							
51.27-	52.10	71636	0.83	1.50			0.101	0.084							
52.10-	52.30	71637	0.20	0.20			0.015	0.003							
52.30-	53.70	Waste	1.40												
53.70-	53.88	71638	0.18	0.35			0.101	0.018							
53.88-	82.75	Waste	28.87												
82.75-	83.10	71639	0.35	0.50			0.076	0.027							
83.10-	88.45	Waste	5.35												
88.45-	89.94	71640	1.49	2.20			0.025	0.037							
89.94-	90.45	71641	0.51	0.65			0.015	0.008							
90.45-	91.00	71642	0.55	0.90			0.05	0.028							

Date Began Aug. 19/80 Date Completed Aug. 23/80

Property CAB Claims Project No. 7398 Depth

Hole No. 35 Co-ord Horizontal Length

Sheet No. 2 of 4 Direction

Claim No. CAB #27 Elevation Angle

Residence

DEPTH	NUMBER	WIDTH	AU	Wt. kg	ASSAY		WO ₃	Ni	WIDTH X ASSAY			AVERAGES		
				PER	CU	ZN	PER		WIDTH	AU	AG	CU	ZN	
01.00-01.36	71643	0.36		0.50			0.101	0.036						
01.36-01.92	71644	0.56		1.00			0.101	0.056						
01.92-02.88	71645	0.96		1.60			0.015	0.014						
02.88-04.55	71646	1.67		2.00			0.020	0.033						
04.55-05.80	71647	1.25		1.50			0.025	0.031						
05.80-06.00	71648	0.20		0.40			0.101	0.020						
06.00-06.30	71649	0.30		0.85			0.035	0.011						
06.30-06.60	Waste	0.30												
06.60-07.04	71650	0.44		0.80			0.035	0.015						
07.04-08.00	Waste	0.96												
08.00-08.33	71685	0.33		0.50			0.250	0.083						
08.33-100.72	Waste	2.39												
100.72-100.90	71651	0.18		0.35			0.40	0.072	100.72 - 100.90			0.18m	0.40% WO ₃	
100.90-101.45	71652	0.55		0.90			0.02	0.011						
101.45-103.92	Waste	2.47												
103.92-105.10	71653	1.18		2.00			0.035	0.041						
105.10-105.58	71654	0.48		0.50			0.20	0.096						
105.58-106.60	Waste	1.02												
106.60-107.90	71655	1.30		1.70			0.05	0.065						
107.90-108.50	71656	0.60		0.90			0.03	0.018						
108.50-109.00	71657	0.50		0.70			0.101	0.051						
109.00-110.20	71658	1.20		1.90			0.076	0.091						
110.20-110.50	71659	0.30		0.50			0.15	0.045						
110.50-110.76	71660	0.26		0.50			0.05	0.013						
110.76-111.03	71661	0.27		0.20			0.40	0.108						
111.03-111.24	71662	0.21		0.40			0.02	0.004	110.76 - 112.80			2.04	0.30% WO ₃	
111.24-111.85	71663	0.61		1.10			0.35	0.214	(0.604)					
111.85-112.02	71664	0.17		0.20			0.01	0.002						
112.02-112.26	71665	0.24		0.35			0.25	0.060						
112.26-112.80	71666	0.54		0.90			0.40	0.216						
112.80-113.18	71667	0.38		0.65			0.101	0.038						

Date Began 24 Aug 80 Date Completed 30 Aug 80

91.44 m - 65.6°
 121.92 m - 63.5°
 152.40 m - 64.5°
 213.36 m - 64.0°
 233.78 m - 64.0°

Property CAB Claims Project No. 7398 Depth 233.8 m
 Hole No. 36 Co-ord 6 + 65N Horizontal Length
 Sheet No. 1 of 2 13 + 00W Direction 225° 35'
 Claim No. CAB # 27 Elevation 1695 m Angle 70.0°

Resident

DEPTH	NUMBER	WIDTH	AU	wt kg XG	ASSAY		WO ₃ PCT	NI	WIDTH X ASSAY			AVERAGES		
					CU	ZN			WIDTH	AU	AG	CU	ZN	
0.00-12.00	Casing	12.00												
12.00-69.48	Waste	57.48												
69.48-69.65	71326	0.17		0.20			0.20	0.034						
69.65-100.35	Waste	30.70												
100.35-100.67	71327	0.32		0.50			0.13	0.042						
100.67-112.05	Waste	11.38												
112.05-112.47	71328	0.42		0.65			0.05	0.021						
112.47-112.60	71329	0.13		0.20			0.25	0.033						
112.60-113.84	Waste	1.24												
113.84-114.02	71330	0.18		0.25			0.15	0.027						
114.02-159.18	Waste	45.16												
159.18-159.39	71331	0.21		0.30			0.40	0.084		159.18 - 159.39	0.21m		0.40% WO ₃	
159.39-160.60	71332	1.21		1.50			0.03	0.036						
160.60-162.46	Waste	1.86												
162.46-162.80	71333	0.34		0.60			0.04	0.014						
162.80-163.99	71334	1.19		1.35			0.03	0.036						
163.99-165.10	Waste	1.11												
165.10-165.31	71335	0.21		0.25			0.013	0.003						
165.31-166.71	71336	1.40		1.80			Tr	0.000						
166.71-167.26	71337	0.55		0.80			0.15	0.083						
167.26-168.34	Waste	1.08												
168.34-168.66	71338	0.32		0.45			0.20	0.064						
168.66-181.41	Waste	12.75												
181.41-181.68	71339	0.27		0.35			0.101	0.027						
181.68-182.25	71340	0.57		0.70			0.30	0.171		181.68 - 182.25	0.57m		0.30% WO ₃	
182.25-186.42	Waste	4.17												
186.42-187.03	71341	0.61		0.95			0.25	0.153						
187.03-187.16	71342	0.13		0.15			0.15	0.020						
187.16-187.77	71343	0.61		0.70			0.20	0.122						
187.77-194.29	Waste	6.52												
194.29-194.68	71344	0.39		0.45			0.76	0.296		194.29 - 194.68	0.39m		0.76% WO ₃	
194.68-205.41	Waste	10.73												
205.41-206.34	71345	0.93		1.15			0.30	0.279		205.41 - 206.34	0.93m		0.30% WO ₃	

DIAMOND DRILL RECORD

Date Began Date Completed

Property CAB Claims Project No. Depth

Hole No. 36 Co-ord Horizontal Length

Sheet No. 2 of 2 Direction

Claim No. CAR # 27 Elevation Angle

Resident

DEPTH	NUMBER	WIDTH	AU	wt kg AG	ASSAY		WO ₃ %	NI	WIDTH X ASSAY	AVERAGES							
					CU	ZN				WIDTH	AU	AG	CU	ZN			
206.34-206.81	71346	0.47		0.50			0.50	0.235									
206.81-207.33	71347	0.85		1.15			1.01	0.859									
207.33-208.55	71348	0.89		1.45			0.40	0.356	206.34 - 211.64	5.30m			1.10% WO ₃				
208.55-209.01	71349	0.46		0.65			1.01	0.465	(5.825)								
209.01-209.13	71350	0.12		0.15			0.35	0.031									
209.13-210.45	71351	1.32		2.20			2.02	2.666									
210.45-211.64	71352	1.19		1.90			1.01	1.202									
211.64-212.71	71353	1.07		1.75			0.15	0.161	211.64 - 213.23	1.59m			0.11% WO ₃				
212.71-213.23	71354	0.52		0.65			0.04	0.021	(0.182)								
213.23-213.37	71355	0.14		0.20			1.01	0.141									
213.37-213.86	71356	0.49		0.75			0.03	0.015	213.23 - 215.52	2.29m			0.27% WO ₃				
213.86-214.43	71357	0.57		0.80			0.30	0.171	(0.621)								
214.42-215.38	71358	0.95		1.25			0.25	0.238									
215.38-215.52	71359	0.14		0.20			0.40	0.056									
215.52-220.34	Waste	4.82							215.52- 220.91	5.39 m							
220.34-220.91	71360	0.57		0.70			0.04	0.023	(0.023)								
220.91-221.60	71371	0.69		1.05			0.40	0.276									
221.60-221.80	71362	0.20		0.30			0.03	0.006	220.91 - 221.97	1.06m			0.43% WO ₃				
221.80-221.97	71363	0.17		0.25			1.01	0.172	(0.454)								
221.97-223.15	Waste	1.18															
223.15-223.57	71364	0.42		0.60			2.02	0.848	223.15 - 224.42	1.27			1.34% WO ₃				
223.57-224.42	71365	0.85		1.24			1.01	0.851	(1.699)								
224.42-225.43	71366	1.01		1.25			0.30	0.303	224.42 - 225.43	1.01m			0.30% WO ₃				
225.43-233.78	Waste	8.35															

or 206.34 - 224.42
(8.804) 18.08m 0.49% WO₃

APPENDIX C

REVIEW OF EXPENDITURES

The following invoices cover diamond drill holes # 26 to # 37 totalling 2162 metres. The total expenditures were sufficient to support the year's assessment applied to the groupings as shown on the claim map.



E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon.

Phone (403) 668-2424 Telex 036-8-337

June 30, 1980

Invoice #- 768

IN ACCOUNT WITH:

Hudson Bay Exploration & Development Corp. Co.,
100 - 10 Burns Road,
Whitehorse, Y.T.

Drilling Charges June 16 to 30, 1980:

Hole 26/85/BQ

Moving

4 man hrs. @ \$ 20.00 per hr. = \$ 80.00

Casing

10 man hrs. @ \$ 20.00 per hr. = \$ 200.00

5 mach. hrs. @ \$ 12.00 per hr. = \$ 60.00 \$ 260.00

Reaming Cave

18 man hrs. @ \$ 20.00 per hr. = \$ 360.00

9 mach. hrs. @ \$ 12.00 per hr. = \$ 108.00 \$ 468.00

Mud Time

6 man hrs. @ \$ 20.00 per hr. = \$ 120.00

3 mach. hrs. @ \$ 12.00 per hr. = \$ 36.00 \$ 156.00

Testing

8 man hrs. @ \$ 20.00 per hr. = \$ 160.00

4 mach. hrs. @ \$ 12.00 per hr. = \$ 48.00 \$ 208.00

Casing

0 - 32 = 32 ft. @ \$ 23.00 per ft. = \$ 736.00

Coring

32 - 347 = 315 ft. @ \$ 20.00 per ft. = \$ 6,300.00 \$ 8,208.00

Hole 27/70/BQ

Moving

144 man hrs. @ \$ 20.00 per hr. = \$ 2,880.00

Testing

14 man hrs. @ \$ 20.00 per hr. = \$ 280.00

7 mach. hrs. @ \$ 12.00 per hr. = \$ 84.00 \$ 364.00

Casing

0 - 42 = 42 ft. @ \$ 23.00 per ft. = \$ 966.00

Coring

42 - 487 = 445 ft. @ \$ 20.00 per ft. = \$ 8,900.00 \$13,110.00





Hole 28/75/BQ

Moving

12 man hrs. @ \$ 20.00 per hr. = \$ 240.00

Reaming Cave

14 man hrs. @ \$ 20.00 per hr. = \$ 280.00

7 mach. hrs. @ \$ 12.00 per hr. = \$ 84.00 \$ 364.00

Casing

0 - 21 = 21 ft. @ \$ 23.00 per ft. = \$ 483.00

Coring

21 - 500 = 479 ft. @ \$ 20.00 per ft. = \$9,580.00

500 - 644 = 144ft. @ \$ 20.75 per ft. = \$2,988.00 \$12,568.00 \$ 13,655.00

Mud

2 bags Quik Seal @ \$ 40.25 per bag = \$ 80.50

Tractor Hours

168 1/2 hours @ \$ 75.00 per hr. = \$12,637.50

6 man hrs. @ \$ 20.00 per hr. = 120.00 \$ 12,757.50

Total Invoice: \$ 47,811.00

Prices O. K.	✓
Ext. C. H.	✓
Quantity Checked	✓
Charge # No.	7398-07
Approved	

July 31/80





F. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon.

Phone (403) 668-2424 Telex 038-8-337

July 15, 1980

Invoice #- 791

IN ACCOUNT WITH:

Hudson Bay Exploration & Development Corp. Ltd.,
100 - 10 Burns Road,
Whitehorse, Y.T.

Drilling Charges July 1 to 15, 1980: (Fox Creek)

Hole 28/75/BQ

Testing

12 man hrs. @ \$ 20.00 per hr. = \$ 240.00
6 mach. hrs. @ \$ 12.00 per hr. = \$ 72.00 \$ 312.00

Coring

644 - 687 = 43 ft. @ \$ 20.75 per ft. = \$ 892.25 \$ 1,204.25

Hole 29/40/BQ

Moving

4 man hrs. @ \$ 20.00 per hr. = \$ 80.00

Drilling Anchor

2 man hrs. @ \$ 20.00 per hr. = \$ 40.00
1 mach. hr. @ \$ 12.00 per hr. = \$ 12.00 \$ 52.00

Casing

40 man hrs. @ \$ 20.00 per hr. = \$ 800.00
20 mach. hrs. @ \$ 12.00 per hr. = \$ 240.00 \$ 1,040.00

Reaming Cave

22 man hrs. @ \$ 20.00 per hr. = \$ 440.00
11mach. hrs. @ \$ 12.00 per hr. = \$ 132.00 \$ 572.00

Mud Time

2 man hrs. @ \$ 20.00 per hr. = \$ 40.00
1 mach. hr. @ \$ 12.00 per hr. = \$ 12.00 \$ 52.00

Testing

26 man hrs. @ \$ 20.00 per hr. = \$ 520.00
13 mach. hrs. @ \$ 12.00 per hr. = \$ 156.00 \$ 676.00

Casing

0 - 12 = 12 ft. @ \$ 23.00 per ft. = \$ 276.00



Coring

12 - 500 = 488 ft.	@ \$ 20.00 per ft.	= \$ 9,760.00		
500 - 637 = 137 ft.	@ \$ 20.75 per ft.	= \$ 2,842.75	<u>\$12,602.75</u>	\$15,350.75

Hole 30/70/BQMoving

24 man hrs.	@ \$ 20.00 per hr.	=	\$ 480.00	
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Casing

44 man hrs.	@ \$ 20.00 per hr.	= \$ 880.00		
22 mach. hrs.	@ \$ 12.00 per hr.	= \$ 264.00	\$ 1,144.00	

Reaming Cave

6 man hrs.	@ \$ 20.00 per hr.	= \$ 120.00		
3 mach. hrs.	@ \$ 12.00 per hr.	= \$ 36.00	\$ 156.00	

Testing

19 man hrs.	@ \$ 20.00 per hr.	= \$ 380.00		
9½ mach. hrs.	@ \$ 12.00 per hr.	= \$ 114.00	\$ 494.00	

Casing

0 - 9 = 9 ft.	@ \$ 25.50 per ft.	= \$ 229.50		
0 - 64 = 64 ft.	@ \$ 23.00 per ft.	= \$ 1,472.00	\$ 1,701.50	

Coring

64 - 500 = 436 ft.	@ \$ 20.00 per ft.	= \$ 8,720.00		
500 - 767 = 267 ft.	@ \$ 20.75 per ft.	= \$ 5,540.25	<u>\$14,260.25</u>	\$18,235.75

Tractor Time

86 cat hrs.	@ \$ 75.00 per hr.	=	\$ 6,450.00	
8 man hrs.	@ \$ 20.00 per hr.	=	\$ 160.00	\$ 6,610.00

Hole 31/90/BQMoving

16 man hrs.	@ \$ 20.00 per hr.	=	\$ 320.00	
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Waterline

6 man hrs.	@ \$ 20.00 per hr.	=	\$ 120.00	
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Testing

2 man hrs.	@ \$ 20.00 per hr.	= \$ 40.00		
1 mach. hr.	@ \$ 12.00 per hr.	= \$ 12.00	\$ 52.00	\$ 492.00





Items Consumed & Chargeable

Hole 29/40/BQ

1 BQ rod for anchor rod	@ \$ 71.60 each	= \$ 71.60		
1 BW shoe	@ \$ 203.00 each	= \$ 203.00	\$ 274.60	
	+ 15 %	=	\$ 41.19	\$ 315.79

Hole 30/70/BQ

2 NQ bits	@ \$ 435.00 * 2	= \$ 435.00		
2 BQ bits	@ \$ 345.00 each	= \$ 690.00	\$ 1,125.00	
	+ 15 %	=	\$ 168.75	\$ 1,293.75

2 drums Poly Drill	@ \$1080.00 each	=	\$ 2,160.00	
	+ 15 %	=	\$ 324.00	\$ 2,484.00

Total Invoice: \$45,986.29

Prices OK
Ext. Charge
Quantity
Charge Approved
Approved

1398-07
JB

July 31/80





July 31, 1980

Invoice #- 801

IN ACCOUNT WITH:

Hudson Bay Exploration & Development Corp. Ltd.,
100 - 10 Burns Road,
Whitehorse, Y.T.

Drilling and Tractor Charges July 16 to 31, 1980: (Fox Creek)

Hole 31/90/BQ

Reaming Cave

10 man hrs.	@ \$ 20.00 per hr.	= \$ 200.00	
5 mach. hrs.	@ \$ 12.00 per hr.	= \$ 60.00	\$ 260.00

Waterline

32 man hrs.	@ \$ 20.00 per hr.	=	\$ 640.00
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Testing

13 man hrs.	@ \$ 20.00 per hr.	= \$ 260.00	
6½ mach. hrs.	@ \$ 12.00 per hr.	= \$ 78.00	\$ 338.00

Casing

0 - 12 = 12 ft.	@ \$ 23.00 per ft.	=	\$ 276.00
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Coring

12 - 500 = 488 ft.	@ \$ 20.00 per ft.	= \$ 9,760.00	
500 - 549 = 49 ft.	@ \$ 20.75 per ft.	= \$ 1,016.75	\$10,776.75 \$12,290.75

Hole 32/90/BQ

Moving

12 man hrs.	@ \$ 20.00 per hr.	=	\$ 240.00
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Reaming Cave

14 man hrs.	@ \$ 20.00 per hr.	= \$ 280.00	
7 mach. hrs.	@ \$ 12.00 per hr.	= \$ 84.00	\$ 364.00

Waterline

9 man hrs.	@ \$ 20.00 per hr.	=	\$ 180.00
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Testing

6 man hrs.	@ \$ 20.00 per hr.	= \$ 120.00	
3 mach. hrs.	@ \$ 12.00 per hr.	= \$ 36.00	\$ 156.00

Casing

0 - 24 = 24 ft.	@ \$ 23.00 per ft.		\$ 552.00
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Coring

24 - 500 = 476 ft. @ \$ 20.00 per ft.	= \$ 9,520.00		
500 - 507 = 7 ft. @ \$ 20.75 per ft.	= \$ 145.25	\$ 9,665.25	\$11,157.25

Hole 33/90/BQ

Moving

28 man hrs. @ \$ 20.00 per hr.	=	\$ 560.00	
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Reaming Cave

3 man hrs. @ \$ 20.00 per hr.	= \$ 60.00		
1½ mach. hrs. @ \$ 12.00 per hr.	= \$ 18.00	\$ 78.00	

Testing

2 man hrs. @ \$ 20.00 per hr.	= \$ 40.00		
1 mach. hr. @ \$ 12.00 per hr.	= \$ 12.00	\$ 52.00	

Casing

0 - 8 = 8 ft. @ \$ 25.50 per ft.	= \$ 204.00		
0 - 33 = 33 ft. @ \$ 23.00 per ft.	= \$ 759.00	\$ 963.00	

Coring

33 - 257 = 224 ft. @ \$ 20.00 per ft.	=	\$ 4,480.00	\$ 6,133.00
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D7-E

Moving

8½ man hrs. @ \$ 20.00 per hr.	=	\$ 170.00	
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Repairs Hudson Bay Truck

14 man hrs. @ \$ 20.00 per hr.	=	\$ 280.00	
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Standby

5 man hrs. @ \$ 20.00 per hr.	=	\$ 100.00	
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Tractor Time

147 cat hrs. @ \$ 75.00 per hr.	=	\$11,025.00	\$11,575.00
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Mud

19 pails Polydrill @ \$150.00 each	=	\$ 2,850.00	
+ 15 %	=	\$ 427.50	\$ 3,277.50

Flights

T.N.T.A. Invoice #46637	=	\$ 255.60	
Air North " #6217	=	\$ 94.87	
Air North " #5894	=	\$ 453.89	\$ 804.36

Total Invoice : \$45,237.86

Prices O.K.

Ext. O.K.

Quantity

Charge # 7398-07

Approved _____

August 19/80





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon.

Phone (403) 668-2424 Telex 036-8-337

August 15, 1980

Invoice #- 821

IN ACCOUNT WITH:

Hudson Bay Exploration & Development Corp. Ltd.,
100 - 10 Burns Road,
Whitehorse, Yukon

Drilling & Tractor Charges August 1 to 15, 1980: (Fox Creek)

Hole 33/90/BQ

<u>Casing</u>				
2 man hrs.	@ \$ 20.00 per hr.	=	\$ 40.00	
<u>Waterline</u>				
2 man hrs.	@ \$ 20.00 per hr.	=	\$ 40.00	
<u>Testing</u>				
6 man hrs.	@ \$ 20.00 per hr.	= \$	120.00	
3 mach. hrs.	@ \$ 12.00 per hr.	= \$	36.00	\$ 156.00
<u>Coring</u>				
257 - 477 = 220 ft.	@ \$ 20.00 per ft.	=	\$ 4,400.00	\$ 4,636.00

Hole 2/34/BQ

<u>Moving</u>				
34 man hrs.	@ \$ 20.00 per hr.	=	\$ 680.00	
<u>Reaming Cave</u>				
84 man hrs.	@ \$ 20.00 per hr.	= \$	1,680.00	
42 mach. hrs.	@ \$ 12.00 per hr.	= \$	504.00	\$ 2,184.00
<u>Waterline</u>				
2 man hrs.	@ \$ 20.00 per hr.	=	\$ 40.00	
<u>Testing</u>				
2 man hrs.	@ \$ 20.00 per hr.	= \$	40.00	
1 mach. hr.	@ \$ 12.00 per hr.	= \$	12.00	\$ 52.00
<u>Casing</u>				
0 - 8 = 8 ft.	@ \$ 23.00 per ft.	=	\$ 184.00	
<u>Coring</u>				
466 - 500 = 34 ft.	@ \$ 20.00 per ft.	= \$	680.00	
500 - 557 = 57 ft.	@ \$ 20.75 per ft.	= \$	1,182.75	\$ 1,862.75
				\$ 5,002.75

476





Hole 3/66/BQ

Moving

26 man hrs. @ \$ 20.00 per hr. = \$ 520.00

Drilling

6 man hrs. @ \$ 20.00 per hr. = \$ 120.00

3 mach. hrs. @ \$ 12.00 per hr. = \$ 36.00 \$ 156.00

Reaming Cave

32 man hrs. @ \$ 20.00 per hr. = \$ 640.00

16 mach. hrs. @ \$ 12.00 per hr. = \$ 192.00 \$ 832.00

Waterline

8 man hrs. @ \$ 20.00 per hr. = \$ 160.00

Casing

0 - 124 = 124 ft. @ \$ 23.00 per ft. = \$ 2,852.00

Coring

397 - 500 = 103 ft. @ \$ 20.00 per ft. = \$ 2,060.00

500 - 509 = 9 ft. @ \$ 20.75 per ft. = \$ 186.75 \$ 2,246.75 \$ 6,766.75

Hole 34/85/BQ

Moving

25 man hrs. @ \$ 20.00 per hr. = \$ 500.00

Casing

20 man hrs. @ \$ 20.00 per hr. = \$ 400.00

10 mach. hrs. @ \$ 12.00 per hr. = \$ 120.00 \$ 520.00

Coring

0 - 320 = 320 ft. @ \$ 20.00 per ft. = \$ 6,400.00 \$ 7,420.00

Tractor Time

55 cat hrs. @ \$ 75.00 per hr. = \$ 4,125.00

8 days Standby @ \$110 per day = \$ 880.00 \$ 5,005.00

Flights

Air North # 6492 (Poly Drill) = \$ 305.21

Air North # 6255 (additional hose) = \$ 305.00 \$ 610.21

Items Consumed & Chargeable

Reaming on Old Holes

1 BQ bit @ \$345.00 each = \$ 345.00

1 BQ shell @ \$279.59 each = \$ 279.59 \$ 624.59

+ 15 % = \$ 93.68 \$ 718.27

Total Invoice: \$30,158.98

Prices O.K.	✓
Ext. O.K.	✓
Quantity	✓
Charge No.	7398-07
Approved	

Sept 9/80





August 31, 1980

Invoice #- 838

IN ACCOUNT WITH:

Hudson Bay Exploration & Development Ltd.,
100 - 10 Burns Road,
Whitehorse, Yukon

Drilling Charges August 15 to 31, 1980:

(Fox Creek)

Hole 34/85/BQ

Testing

8 man hrs.	@ \$ 20.00 per hr.	= \$ 160.00	
4 mach. hrs.	@ \$ 12.00 per hr.	= \$ 48.00	\$ 208.00

Tractor Time

2 cat hrs.	@ \$ 75.00 per hr.	=	\$ 150.00
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Coring

320 - 500 = 180 ft.	@ \$ 20.00 per hr.	= \$ 3,600.00	
500 - 530 = 30 ft.	@ \$ 20.75 per ft.	= \$ 622.50	\$ 4,222.50
			\$ 4,580.50

Hole 35/80/BQ

Moving

50 man hrs.	@ \$ 20.00 per hr.	=	\$ 1,000.00
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Testing

6 man hrs.	@ \$ 20.00 per hr.	= \$ 120.00	
3 mach. hrs.	@ \$ 12.00 per hr.	= \$ 36.00	\$ 156.00

Tractor Time

17 cat hrs.	@ \$ 75.00 per hr.	=	\$ 1,275.00
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Casing

0 - 18 = 18 ft.	@ \$ 23.00 per ft.	=	\$ 414.00
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Coring

18 - 500 = 482 ft.	@ \$ 20.00 per ft.	= \$ 9,640.00	
500 - 591 = 91 ft.	@ \$ 20.75 per ft.	= \$ 1,888.25	\$ 11,528.25
			\$ 14,373.25





Hole 36/70/BQ

Moving

17 man hrs. @ \$ 20.00 per hr. = \$ 340.00

Waterline

18 man hrs. @ \$ 20.00 per hr. = \$ 360.00

Testing

4 man hrs. @ \$ 20.00 per hr. = \$ 80.00

2 mach. hrs. @ \$ 12.00 per hr. = \$ 24.00 \$ 104.00

Tractor Time

9 cat hrs. @ \$ 75.00 per hr. = \$ 675.00

Casing

0 - 16 = 16 ft. @ \$ 25.50 per ft. = \$ 408.00

0 - 40 = 40 ft. @ \$ 23.00 per ft. = \$ 920.00 \$ 1,328.00

Coring

40 - 500 = 460 ft. @ \$ 20.00 per ft. = \$ 9,200.00

500 - 767 = 267 ft. @ \$ 20.75 per ft. = \$ 5,540.25 \$14,740.25

\$17,547.25

Hole 37/80/BQ

Moving

29 man hrs. @ \$ 20.00 per hr. = \$ 580.00

Tractor Time

12 cat hrs. @ \$ 75.00 per hr. = \$ 900.00

Casing

0 - 20 = 20 ft. @ \$ 23.00 per ft. = \$ 460.00

Coring

20 - 82 = 62 ft. @ \$ 20.00 per ft. = \$ 1,240.00 \$ 3,180.00

\$ 3,180.00

Tractor Standby

10 days @ \$110.00 per day = \$ 1,100.00

Mud

16 pails Poly-Drill @ \$150.00 per pail = \$ 2,400.00

+ 15 % = \$ 360.00 \$ 2,760.00

\$ 2,760.00

Total Invoice: \$43,541.00

As O.K.	✓
A. C.	✓
Quantity	✓
Charge No.	7398-07
Approved	

Sept. 9/80





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon.

Phone (403) 668-2424 Telex 036-8-337

Sept. 5, 1980

Invoice #- 858

IN ACCOUNT WITH:

Hudson Bay Exploration & Development,
100 - 10 Burns Road,
Whitehorse, Y.T.

Drilling Charges Sept. 1 to 5, 1980: (Fox Creek)

Hole 37/80/BQ

<u>Moving</u>				
101 man hrs.	@ \$ 20.00 per hr.	=	\$ 2,020.00	
<u>Testing</u>				
12 man hrs.	@ \$ 20.00 per hr.	=	\$ 240.00	
<u>Tractor Time</u>				
40 cat hrs.	@ \$ 75.00 per hr.	=	\$ 3,000.00	
34 man hrs.	@ \$ 20.00 per hr.	=	\$ 680.00	\$ 3,680.00
<u>Truck Time</u>				
9 hrs.	@ \$ 20.00 per hr.	=	\$ 180.00	
<u>Demobilization of Cat and Drill</u>	@ \$ 1,500.00	=	\$ 1,500.00	
<u>Coring</u>				
82 - 483 = 401 ft.	@ \$ 20.00 per ft.	=	\$ 8,020.00	
<u>Standby: Cat</u>				
3 days	@ \$110.00 per day	=	\$ 330.00	\$15,970.00
<u>Propane</u>				
Ross River Store #4417				
6 bottles propane	@ \$ 35.41 per bottle =		\$ 212.46	

Total Invoice: \$16,182.46

Prices O.K. ✓
 Ext. ✓
 7398-07

Sept 22/80



APPENDIX D

QUALIFICATIONS OF SUPERVISION

GERALD E. BIDWELL

Address: 62 Klondike Rd.,
Whitehorse, Y. T.

Education: B. A. in geology - University of Saskatchewan
graduated in 1967

Employment: 1967 - 1981 Hudson Bay Exploration and
Development Company Limited

1967 - 1970 - mine geological work and surface
exploration, geological mapping Snow Lake area,
Manitoba.

1970 - 1976 - Supervisor of exploration programs
in British Columbia and Yukon Territory.

1976 - 1981 - Resident Geologist, Whitehorse
Office, Hudson Bay Exploration and Development
Company Limited.

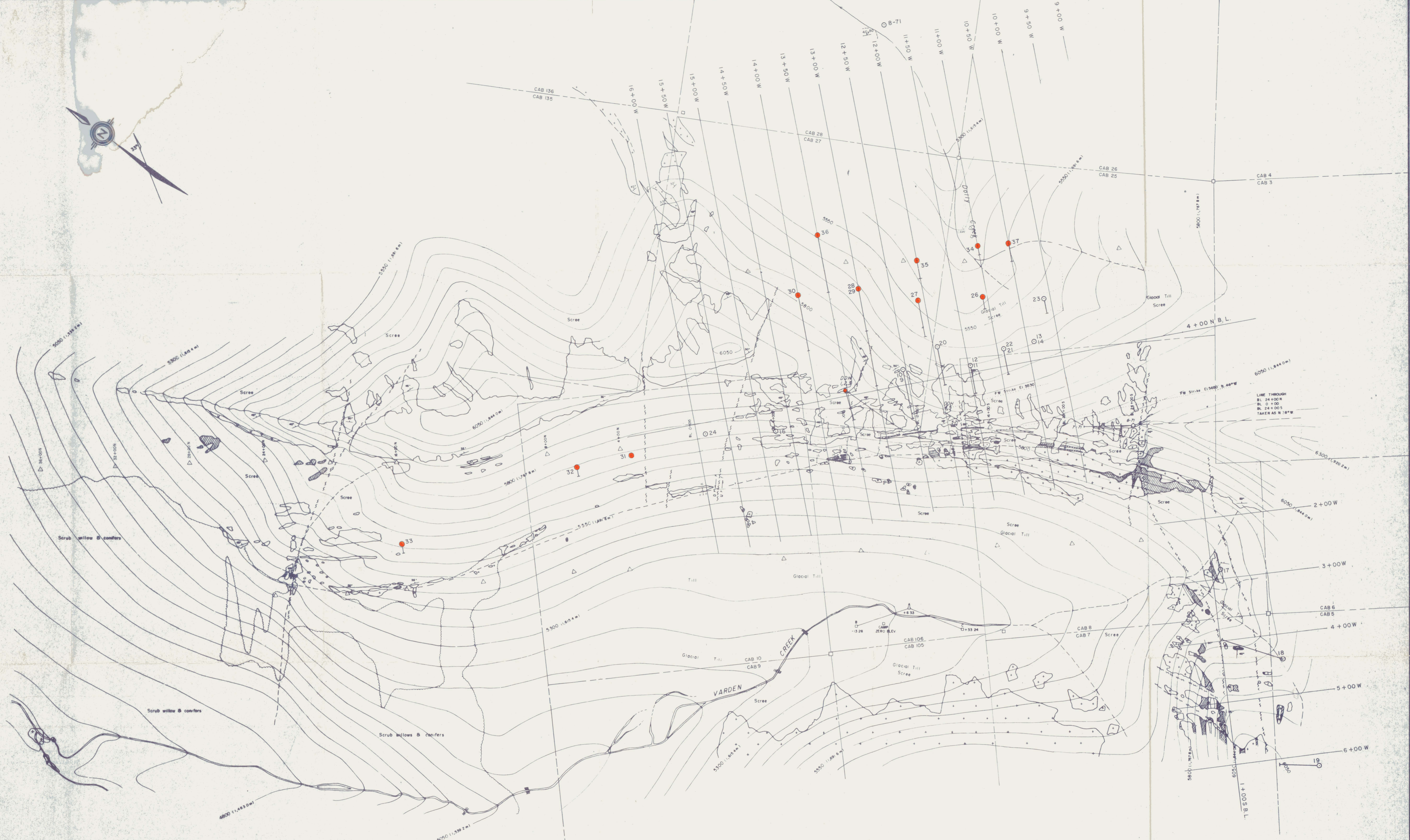
1981 - - Exploration Manager, Northwest District,
Hudson Bay Exploration and Development Company
Limited.

DAVID A. DOWNING

Address: 101 - 21 Roundel Road,
Whitehorse, Y. T.

Education: Geological Engineering - Queen's University
graduated in 1978.

Employment: 1978 - 1980 - exploration geologist in Yukon
HBED.



LEGEND

- | | | | |
|--|--------------------------------------|--|-----------------------------|
| | DIORITE | | BEDDING STRIKE & DIP |
| | QUARTZ MONZONITE (GRANITIC-GNEISSIC) | | FAULT - DEFINED, ASSUMED |
| | GARNET - DIOPSIDE SKARN | | WATERFALL, CREEK |
| | LIMESTONE, MARBLE | | DIAMOND DRILL HOLE |
| | QUARTZ - CHLORITE SCHIST | | PROPOSED DIAMOND DRILL HOLE |
| | QUARTZ - BIOTITE SCHIST | | TRENCH |
| | GOSSAN | | CONTACT (ASSUMED) |
| | UNDIFFERENTIATED | | |

NOTE: Geology base map and plan-table control by J. M. Bremner, Anox Explorations Ltd, 1969 with additions by W.S. Read & W. Grawitz 1978.
 * 1979 Drilling added - D.D.H. 9 to 24
 To accompany report by W.S. READ, P. Eng., dated 12 December 1978

RISBY TUNGSTEN MINES LTD.
 CAB MINERAL CLAIMS-POSS RIVER YUKON, CANADA
 N.T.S. 1:25000 F. 14 61° 32' N, 133° 22' W

GEOLOGICAL MAP
PRELIMINARY TOPOGRAPHY

FEET 200 100 0 100 200 400 600 800 FEET METRES 50 0 50 100 150 200 225 METRES	DRAWN atair DATE 3 Nov 1977	REVISED 12 DEC 1978 OCT. 1979	SCALE 1:2500 No.
WAYLAND S READ P. ENG. CONSULTING GEOLOGIST COBBLE HILL, B.C., CANADA			