

## HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB 28

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

Mining Division Whitehorse

Hole Nº. 45

Angle: -65°

Direction: 225°

Depth: 328.3

Grid Nº.

Co-Ordinates: 8 + 57N

14 + 06W

Date Started: Aug. 8, 1981

Finished: Aug. 12, 1981

Logged By: M. Nicol

Drilled By: Caron Diamond Drilling

DEPTH		DESCRIPTION OF CORE	Page 1 of 5
From	To		
0.0	10.2	Casing	
10.2	90.3	Intercalated biotite schist and diopside skarn with minor bands of limestone and some minor grey beds. - with conformable quartz veins, vertical fractures with calcite infilling, gossan staining of fractured core - chlorite, actinolite present in minor amounts - minor limestone bands have light and dark laminae usually occur in approx. .3 - .5 m widths in the schist and skarn core 52.4 - 73.5 - broken, gossan stained zone, core shows many vertical fractures with calcite infilling and gossan staining - around calcite infilling of fractures, actinolite and chlorite occur in the leached schist and skarn 61.1 - 65.2 - skarn zone, with minor biotite schist and grey beds with actinolite and calcite infilling of fractures, gossan stained 87.2 - 90.3 - skarn zone with abundant grey beds, quartz veins, and fracturing from 89.7 - 90.3 Core Angles: @ 10.8 - 38° @ 35.8 - 21° @ 54.1 - 23° @ 13.9 - 29° @ 37.6 - 25° @ 60.0 - 24° @ 17.1 - 27° @ 39.2 - 24° @ 62.5 - 18° @ 20.3 - 28° @ 42.1 - 29° @ 66.4 - 21° @ 23.5 - 22° @ 45.2 - 26° @ 69.5 - 22° @ 26.1 - 28° @ 48.3 - 27° @ 73.4 - 26° @ 29.0 - 31° @ 51.6 - 28° @ 76.5 - 22° @ 31.0 - 22° @ 56.7 - 20° @ 79.4 - 25°	
90.3	96.7	Rotted semi consolidated, consolidated chlorite mud zone with abundant calcite - some quartz veining apparent, along with calcite infilling of fractures	
96.7	99.1	Limestone with minor grey beds, limestone is laminated with light and dark beds, has vertical fractures with calcite infilling conformable quartz veins 96.7 - 97.2 - grey beds Core Angle: @ 97.8 - 31°	

DEPTH		DESCRIPTION OF CORE	Page 2 of 5
From	To		
99.1	136.8	Biotite schist - with minor skarn, grey beds, conformable quartz veins, calcite infilling of vertical fractures. - schist shows specks of possible white feldspar - minor pyrrhotite, pyrite in some quartz veins - chlorite, actinolite in some fractures and near quartz veins 100.4 - 101.1 - grey beds zone 105.1 - 105.7 - limestone bed 127.65- 127.9 - limestone bed 133.2 - 136.8 - fractured broken zone Core Angles: @ 99.6 - 26° @ 121.9 - 25° @ 101.9 - 31° @ 124.0 - 23° @ 104.9 - 26° @ 127.1 - 22° @ 108.6 - 26° @ 130.9 - 23° @ 112.0 - 22° @ 133.1 - 22° @ 116.0 - 27° @ 119.5 - 28°	
136.8	150.6	Quartz Feldspar Biotite porphyry dike with dark purplish matrix - porphyritic texture - homogeneous structure - phenocrysts less than 1 mm diameter - minor pyrite, pyrrhotite mineralization along fractures near top and bottom of dike contacts - fractures also contain minor calcite infilling and show gossan staining with chlorite alterations.	
150.6	197.2	Biotite schist - shows speckled texture with white feldspar - with conformable quartz veins, fractures (vertical) with calcite infilling and some chlorite, actinolite infilling - chlorite, actinolite infilling, chlorite actinolite around leached schist conformable laminae - also minor skarn, trace pyrite, pyrrhotite in or near quartz veins 151.2 - 152.0 - broken fragmented zone with gossan staining 190.0 - 190.6 - broken fragmented zone 191.8 - 192.3 - broken fragmented zone 196.1 - 197.2 - broken fragmented zone, trace scheelite at 197.1 - 197.2 - brecciated zone Core Angles: @ 150.6 - 31° @ 178.0 - 30° @ 154.0 - 37° @ 179.9 - 28° @ 157.5 - 27° @ 182.0 - 32° @ 159.4 - 24° @ 185.2 - 26° @ 162.1 - 24° @ 188.2 - 31° @ 165.2 - 25° @ 190.7 - 31° @ 167.8 - 26° @ 193.3 - 33° @ 172.0 - 30° @ 195.3 - 27° @ 174.7 - 27° @ 197.1 - 24°	
197.2	199.1	Skarn and grey beds with trace pyrite, pyrrhotite, chlorite, actinolite calcite infilling of vertical fractures, conformable quartz veins, calcite, actinolite in conformable veins 197.2 - 197.4 - broken rotted zone, with some semiconsolidated chlorite and with calcite 198.5 - 199.1 - broken rotted zone brecciated from 198.5-198.6 Core Angle: @ 198.1 - 32°	

DEPTH		DESCRIPTION OF CORE	Page 3 of 5
From	To		
199.1	285.8	Intercalated biotite schist and diopside skarn <ul style="list-style-type: none"><li>- with conformable quartz veins, vertical fractures infilled with chlorite, actinolite and calcite</li><li>- trace pyrite, pyrrhotite associated with the conformable quartz veins</li><li>- trace scheelite in schist skarn</li><li>- actinolite in conformable thin laminae, infilling, leached schist and skarn, increasing actinolite with hole depth</li><li>- skarn rich zone - 218.2-219.6</li><li>- scheelite est. 218.3-218.9 - 0.2%</li><li>- scheelite est. 222.7-223.45- 0.1%</li></ul> 229.4 - 229.8 - broken, fragmented zone, with some chlorite mud, calcite present230.75- 230.9 - muddy zone, with chlorite, actinolite mud. <ul style="list-style-type: none"><li>- with abundant calcite, semiconsolidated mud.</li></ul> 234.8 - 235.8 - skarn rich zone239.6 - 239.8 - rotted muddy zoneScheelite Estimates - 240.75-241.25 - 0.4% <div>243.1 -243.85 - 0.05%</div> <div>247.2 -247.5 - 0.1%</div> 247.9 - 249.0 - broken zone, with abundant calcite infilled vertical fractures, with some calcite mud261.0 - 261.35- broken fragmented rotting zone with abundant calcite in semiconsolidated mud265.6 - 266.8 - Biotite schist zone - schist to skarn ratio changes with schist approx. 80-85% in this zoneScheelite Estimates - 266.8 -267.15 - 0.1% <div>267.15-267.9 - 0.75%</div> <div>267.9 -268.9 - 0.1%</div> <div>268.9 -270.2 - 0.6%</div> <div>270.2 -270.4 - 0%</div> 273.7 - 281.7 - broken, fragmented rotting zone, with abundant calcit chlorite muds <ul style="list-style-type: none"><li>- some brecciated core, semiunconsolidated muds</li></ul> Scheelite Estimates - 277.1 -278.3 - 0.2% <div>278.3 -278.8 - 0.2%</div> <div>278.7 -279.8 - 0%</div> <div>281.9 -284.4 - .1%</div> <div>285.6 -285.8 - 0%</div> <div>Core Angles:</div> <div>@ 200.3 - 23°</div> <div>@ 203.1 - 22°</div> <div>@ 206.5 - 26°</div> <div>@ 208.8 - 22°</div> <div>@ 211.2 - 22°</div> <div>@ 214.2 - 21°</div> <div>@ 216.9 - 24°</div> <div>@ 219.8 - 22°</div> <div>@ 221.8 - 32°</div> <div>@ 224.6 - 28°</div> <div>@ 227.8 - 23°</div> <div>@ 232.2 - 22°</div> <div>@ 235.1 - 28°</div> <div>@ 238.3 - 24°</div> <div>@ 241.4 - 26°</div> <div>@ 244.2 - 27°</div> <div>@ 247.0 - 29°</div> <div>@ 249.9 - 20°</div> <div>@ 252.1 - 29°</div> <div>@ 255.1 - 23°</div> <div>@ 258.2 - 24°</div> <div>@ 259.9 - 22°</div> <div>@ 264.2 - 26°</div> <div>@ 266.8 - 22°</div> <div>@ 270.4 - 21°</div> <div>@ 273.7 - 24°</div> <div>@ 276.8 - 24°</div> <div>@ 279.9 - 16°</div> <div>@ 282.2 - 17°</div> <div>@ 284.7 - 13°</div>	

DEPTH		DESCRIPTION OF CORE	Page 4 of 5
From	To		
285.8	291.3	<p>Diopside skarn with vertical fractures infilled with calcite trace pyrite along vertical fractures.</p> <ul style="list-style-type: none"> <li>- minor biotite schist, grey beds</li> <li>- trace scheelite, pyrrhotite, chlorite, actinolite</li> <li>- conformable quartz veins</li> </ul> <p>Scheelite Estimates - 285.8 - 287.6 - 0.6%  287.6 - 288.0 - 0%  288.0 - 288.9 - 0.4%  288.9 - 289.6 - 0.1%  289.6 - 290.0 - 2%</p> <ul style="list-style-type: none"> <li>- rotted zone with calcite rich mud 288.0 - 288.3</li> <li>- broken, fragmented zone from 289.9 - 290.5</li> </ul> <p>Scheelite Estimates - 290.0 - 290.5 - 0.4%  290.5 - 290.9 - 0.05%  290.9 - 291.35 - 1.5%</p> <p>Core Angles:  @ 288.1 - 16°</p>	
291.3	294.1	<p>Grey beds with diopside skarn, trace scheelite, vertical fractures with calcite infilling.</p> <ul style="list-style-type: none"> <li>- minor pyrrhotite, pyrite associated with fractures and quartz veins</li> <li>- chlorite, actinolite near fractures</li> <li>- laminations of dark grey and skarn layers</li> </ul> <p>Scheelite Estimates - 291.35 - 291.95 - 0%  291.95 - 292.4 - 0.4%  292.4 - 293.25 - 0%  293.25 - 294.9 - 0%</p> <p>Core Angles  @ 291.85 - 15°  @ 293.9 - 18°</p>	
294.1	302.2	<p>Intercalated diopside skarn with biotite schist - schist minor</p> <ul style="list-style-type: none"> <li>- trace pyrite, pyrrhotite, scheelite, associated mainly with quartz veins</li> <li>- conformable quartz veins</li> <li>- vertical fractures with associated calcite, actinolite, chlorite</li> <li>- distorted bedding, with abundant vertical fractures in small areas</li> </ul> <p>Scheelite Estimates - 294.9 - 295.9 - 0.05%  295.9 - 296.6 - 0.2%  296.6 - 297.3 - 0.4%  297.3 - 297.6 - 0.8%  297.6 - 298.55 - 0.05%  298.55 - 299.6 - 0.8%  299.6 - 300.05 - 0.05%  300.05 - 300.3 - 0.6%  300.3 - 301.8 - 0.6%</p> <p>Core Angles:  @ 296.6 - 31°  @ 299.6 - 14°  @ 301.9 - 31°</p>	
302.2	308.4	<p>Skarn Diopside skarn, with trace scheelite</p> <ul style="list-style-type: none"> <li>- minor pyrite, associated with vertical fractures and conformable stringers</li> <li>- vertical fracture with calcite, chlorite actinolite</li> <li>- pyrrhotite in massive form in skarn</li> </ul>	

DEPTH		DESCRIPTION OF CORE	Page 5 of 5
From	To		
		<p>Scheelite Estimates - 301.8 - 302.25 - 0%</p> <p>302.25 - 303.3 - 0.6%</p> <p>303.3 - 304.5 - 0.2%</p> <p>304.5 - 305.35 - 0%</p> <p>305.35 - 306.85 - 0.8%</p> <p>306.85 - 307.2 - 0.2%</p> <p>307.2 - 308.4 - 0.1%</p> <p>Core Angles: @ 305.0 - 21° @ 307.7 - 24°</p>	
308.4	313.0	<p>Biotite Schist with minor skarn</p> <p>- vertical fractures with calcite infilling</p> <p>- actinolite infilling around leached schist, skarn near quartz veins</p> <p>Core Angles: @ 311.1 - 14° @ 313.0 - 12°</p>	
313.0	320.2	<p>Diopside Garnet skarn</p> <p>- with massive pyrrhotite throughout</p> <p>- conformable quartz veins, and vertical fractures infilled with calcite, actinolite, chlorite</p> <p>- minor pyrite, chalcopyrite, scheelite, biotite schist</p> <p>Scheelite Estimates - 312.95 - 313.1 - 0%</p> <p>313.1 - 313.85 - 0.8%</p> <p>313.85 - 314.3 - 0.1%</p> <p>314.3 - 315.05 - 0.6%</p> <p>315.05 - 315.6 - 0.05%</p> <p>315.6 - 316.3 - 0.1%</p> <p>316.3 - 316.85 - 0.8%</p> <p>316.85 - 318.1 - 0.1%</p> <p>318.1 - 318.35 - 1.0%</p> <p>318.35 - 318.85 - 0.2%</p> <p>318.85 - 319.4 - 0.8%</p> <p>319.4 - 319.95 - 0.4%</p> <p>319.95 - 320.1 - 0%</p> <p>Core Angles: @ 316.4 - 33° @ 319.0 - 21° @ 320.2 - 36°</p>	
320.2	328.3	<p>Quartz monzonite intrusive</p> <p>320.3 - 320.6 - inclusions of surrounding biotite schist and diopside skarn</p> <p>328.3 - end of hole</p>	