

**DRILL HOLE LOG  
DISCOVERY MINES LIMITED**

Coln CR.

U-202

**DIP TESTS**

At .....	Ft. ....	Property <b>Micro Nickel Project</b>	Hole Number <b>78</b>
At .....	Ft. ....	At <b>Koidarn, Yukon</b>	Dip <b>44° 18'</b>
At .....	Ft. ....	Claim No. <b>Micro 4, Grant 86112</b>	Length <b>481.0'</b>
At .....	Ft. ....	Working Place <b>24 Level Station</b>	Bearing <b>S. 80° 33' E</b>
At .....	Ft. ....	Baseline Footage <b>10,349.51 E</b>	Elev. Collar <b>2400</b>
At .....	Ft. ....	Baseline Offset <b>9,469.86 N</b>	Horiz. Trace <b>344.1</b>
At .....	Ft. ....	Date Started <b>June 20, 1968</b>	Vert. Trace <b>336.1</b>
		Date Completed <b>August 5, 1968</b>	Date Logged <b>July &amp; August, 1968</b>

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				% Cu	% Ni
0.0	6.0	CASING			
6.0	97.5	INTERBEDDED CHERT & ALBITIZED TUFF - (NORTH ZONE) - Chert is grey to black, fine grained, dense, in sections fine laminar at 35°. Tuff sections grey green, f.g., in part laminar, some weak mottled. Tuffs weakly to moderately mineralized with po & py; not sampled. Bands of chert and tuff are from 6" to 2' wide. Core fairly broken.			
		6.0 - 9.5 Tuff			
		9.5 - 10.0 Chert			
		10.0 - 11.8 Tuff			
		11.8 - 14.2 Chert			
		14.2 - 15.4 Tuff			
		15.4 - 17.3 Chert			
		17.3 - 18.0 Tuff, well mineralized with po.			
		18.0 - 19.8 Chert			
		19.8 - 20.6 Tuff, well mineralized with po.			
		20.6 - 21.5 Chert			
		21.5 - 23.5 Tuff with a few fine chert bands.			
		23.5 - 24.3 Chert			
		24.3 - 31.5 Primarily Tuff but with some chert.			
		32.0 - 62.0 Core mixed.			
		Sample 40.5 - 42.5 70% sulphides.	755		1.99
		63.2 - 63.8 Tuff			
		63.8 - 72.0 Chert			
		72.0 - 73.0 Tuff			
		73.0 - 74.9 Chert			
		74.9 - 76.0 Tuff			

Logged by **T. Antoniuk**

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FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				% Cu	% Ni
6.0	97.5	<b>INTERBEDDED CHERT &amp; ALBITIZED TUFF (Continued):</b>			
		76.0 - 79.0 Chert			
		79.0 - 80.9 Fault Zone, sheared and deformed chert.			
		80.9 - 81.8 Tuff			
		81.8 - 84.3 Chert			
		Sample: 84.3 - 87.0 10% po in massive tuff	756		Tr.
		87.0 - 94.8 Massive tuff, grey green, f.g., albitized, scattered traces po, py.			
		94.8 - 97.5 Chert.			
97.5	122.8	<b>MASSIVE ALBITIZED TUFF - Grey green, f.g., abundant fractures. Moderately mineralized with disseminated po &amp; traces py, opy. Up to 10% sulphides.</b>			
		Samples: 97.5 - 99.0	757		Tr.
		99.0 - 102.0	758		Tr.
		102.0 - 106.0	759		Tr.
		106.0 - 109.0	760		Tr.
		109.0 - 112.0 (109.4 - 2" chert at 35°)	761		Tr.
		112.0 - 116.0	762		Tr.
		116.0 - 121.5 Lost core			
		121.5 - 122.8	763		Tr.
122.8	125 ±	<b>ALBITIZED PEBBLE CONGLOMERATE - Grey with pale greenish to purplish spots or nettles up to 1/4". Resembles nettled tuffs.</b>			
125 ±	128 ±	<b>ALBITIZED FRAGMENTAL TUFF - In part laminar, pale grey to pinkish, f.g. Core broken. Some minor po near end of section.</b>			
128 ±	193.0	<b>MOTTLED ALBITIZED TUFF - Not typical. May have been a tuff pebble conglomerate. Grey with greenish &amp; pinkish nettles. In some sections almost totally green and pink with no grey groundmass. 135.4 - 3" gouge zone, fault ??.</b>			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				% Cu	% Ni
128 †	193.0	<p>MOTTLED ALBITIZED TUFF - (Continued):</p> <p>142.0 - 160.0 A few fractures at various irregular angles, some containing fine seams of gouge material.</p> <p>Some quartz carbonate filled fractures at 50°.</p> <p>160.0 - Becoming more typical but still resembling pebble conglomerate.</p>			
193.0	194.5	<p>CHERT PEBBLE CONGLOMERATE - About 50% black chert pebbles up to 1/2". Remainder highly albitized tuffs. Core has mottled appearance.</p>			
194.5	210.0	<p>MOTTLED ALBITIZED TUFF - Grey - grey green, purplish to greenish mottles most of which are less than 1/4". Probably an albitized tuff pebble conglomerate. Last 2 feet bleached and silicified, traces po, py, cpy.</p>			
210.0	309.0	<p>MINERALIZED MOTTLED ALBITIZED TUFF - Grey green to purplish typical mottled albitized tuff. Mottles up to 2" in places but generally 1/4" to 1/2". Moderately silicified. Seems most likely to have been a tuff pebble conglomerate.</p> <p>Mineralization generally as blebs on clusters of sulphides in groundmass surrounding mottles and in fractures, only occasionally within mottles. Sulphides primarily pyrrhotite with traces of pyrite and chalcopyrite. Occasional quartz seam and fracture filling. Core recovery about 98% and appears only weakly faulted not like main zone in surface holes.</p> <p>233.6 - 4" quartz filled shear at 25°</p> <p>241.5 - 246.0 Fault zone, some quartz filling, at varying angles from 15 to 30°.</p> <p>248.0 - 6" quartz at 60° followed by 2.5 feet of fractured and quartz filled, f.g., grey altered rock with some chlorite flecks. Possibly an altered dyke.</p> <p>No sulphides.</p>			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				% Cu	% Ni
210.0	309.0	<b>MINERALIZED MOTTLED ALBITIZED TUFF - (Continued):</b>			
		256.0 - Becoming more typical mottled tuff. Decreased sulphides and greater percentage pyrite.			
		278.0 - 282.0 Lost core. Fault Zone ?? Fragments recovered are oxidized, some quartz.			
		292.0 - 302.5 Weak mineralization.			
		Samples: 210.0 - 213.0 2% sulphides	1001		0.02
		213.0 - 217.0 2% "	1002		0.01
		217.0 - 221.0 3% "	1003		0.01
		221.0 - 225.0 3% "	1004		0.01
		225.0 - 229.0 5% "	1005		0.02
		229.0 - 233.0 5% "	1006		0.02
		233.0 - 237.0 10% "	1007		0.03
		237.0 - 241.0 10% "	1008		0.03
		241.0 - 245.0 5% "	1009		0.05
		245.0 - 248.0 3% "	1010		0.04
		248.0 - 251.0	1011		0.02
		251.0 - 256.0 1% sulphides	1012		0.02
		256.0 - 260.0 1% "	1013		0.02
		260.0 - 264.0 3% "	1014		0.02
		264.0 - 268.0 3% "	1015		0.02
		268.0 - 272.0 3% "	1016		0.03
		272.0 - 274.5 2% "	1029		0.03
		274.5 - 278.0 2% "	1030		0.03
		278.0 - 282.0 Lost Core			
		282.0 - 286.0 5% sulphides	1031		0.02
		286.0 - 290.0 2% "	1032		0.01
		290.0 - 292.0 2% "	1033		0.02
		302.5 - 305.0 5% "	1034		0.02
		305.0 - 308.0 5% " (1' lost)	1035		0.03
		308.0 - 309.0 40% "	1036		0.05
309.0	322.0	<b>FAULT ZONE - Bleached, heavily deformed zone. Some chloritic slip faces. Pale green to grey green, some purplish. Traces po. py. cpy.</b>			

Logged by **T. Anteniuk**

Hole Number **U-202**

Sheet Number **4**

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				% Cu	% Ni
322.0	347.0	<p><b>MASSIVE TUFF (??) - Weakly albitized, gray green, f.g., weakly chloritic in some sections. Some weakly mottled and occasional vague banding at 40°?? Deformation from above fault continues weakly through first 10 feet. Scattered traces po, py, spy.</b></p> <p><b>342.0 - 347.0 Silicified, gradationally stronger. Sulphide content slightly higher but still weak.</b></p>			
347.0	366.0	<p><b>FAULT ZONE - Bleached and silicified tuffs for first 6 feet then changes to highly albitized tuff, crushed and deformed, numerous fine gouge seams. Scattered blebs dark pyrite. Core very badly broken.</b></p>			
366.0	374.6	<p><b>GREENSTONE - Gray green, f.g., slightly coarser than normal, abundant fine flecks epidote. Moderate fine fractures, quartz and qtz carb filled, general trend at 45° to core, may be the effect of above fault.</b></p>			
374.6	420 ±	<p><b>MASSIVE ALBITIZED CHERTY TUFF - Gray with some pale purplish sections, predominately f.g., hard, brittle but contains a few narrow bands slightly coarser, possibly fine conglomerate, generally containing minor po &amp; traces py. Banding at 35°. Scattered traces po &amp; py throughout. At 399.0 - 8" siliceous band with moderate po and minor spy, py at 35°.</b></p>			
420 ±	438.0	<p><b>LAMINAR ALBITIZED TUFF - Much as above but banding becoming more common. Most bands narrow, 2"-6", and may be fine tuff pebble conglomerate, at 35°. Scattered traces po, py, spy.</b></p> <p><b>426.7 - 438.0 Greenish silicified zone, fine laminar in part, weakly deformed.</b></p>			
		<p>Samples 426.7 - 428.0</p>	1037		Tr.
		428.0 - 435.0 6.5' lost core.			
		435.0 - 438.0	1038		Tr.

