J.S. Cummings Inc.

C. Mattson

LITHOLOGIC LOG

Project Chandler Mtn. North Hole no. CHN-14 Dip -45° Started 11/17/80 Elev. _____

Job no. 264.2 Township T10-R8 Coord. 29000E 62440N Direction 291° Mag Completed 11/20/80

Lithotype

0'

Overburden

47'
50'

Sludge samples taken from 60'-89' and samples recovered in core barrel all show a heavily graphitic shale.

89'
100'

Black and Dark Grey Shale - very fine grained, layering visible but distorted, ≈30°-40° to core axis, minor graphite on fractures.

111'

Dacite -
Similar brown color as other sections drilled on CHN. Similar siliceous veins bleaching core. Sections massive others speckled. Last 30' or 40' broken and fragmented by veins and more chlorite alteration. Visible aspy in sections.

150'

198'
200'

Bottom of Hole

250'

300'

350'

400'

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SULPHIDE LOG

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FROM	TO	INTERVAL	EST. % SULPHIDES	EST. METAL (Cu, Pb, Zn)	ALTERATION
89'	111'	22'	1%	Po	
111'	144'	33'	1%-2%	Po, Py & Chpy (trace)	
144'	150'	6'	1%-2%	Po, Py & Chpy (trace, Trace Aspy	
150'	163'	13'	2%-3%	Po, Py, Trace Chpy, 1% Aspy	
163'	178'	15'	1%	Po, Py, Trace Aspy	
178'	180'	2'	2%-3%	Po, & 1%-2% Aspy	Minor Chlorite
180'	198'	18'	1%	Po, and Py	Chlorite
	Bottom of Hole				

J. S. Cummings, Inc.

DDH CHN-14 - (Assays for Portion of Hole)

DEPTH (FEET) FROM COLLAR	LENGTH	% Zn	% Cu	% Pb	Oz/Ag	Oz/Au	% Py	% Aspy
102 - 107	5'	None	0.012		None	0.010	1.78	None
150 - 157	7'	0.05	0.025		None	Trace	2.18	0.52
157 - 163	6'	Trace	0.006		None	Trace	1.88	1.15
178 - 180	2'	Trace	0.006		None	0.020	0.48	3.47

Bottom of Hole: 198'