

LITHOLOGIC LOG

Project CAUCOMGOMOC Hole no. CC-23 Dip -45° Started 8/15/77 Elev.       

Job no. 255 Township T7-R14/15 Coord. 17560N  
4560W Direction        Completed 8/17/77

<u>Lithotype</u>		<u>Lithotype</u>
0' 5.0' 13.0'	Overburden * **	400' * Fine Grained Laminated light and dark green basalt tuff or tuffaceous shale, couple stringers of pyrite - nil chalcopryrite
37.0' 40.0' 44.7' 49.7'	*** **** *****	450' ** Black, fine grained graphitic shale with green laminae - from 27' to 30' rock is grey with few specks chalcopryrite - graphite at 35' - Foliation in black shale $\pm 15^{\circ}$ - $20^{\circ}$ to horizontal axis - couple specks chalcopryrite with pyrite at 24.5' (in quartz) Few tiny specks and stringers of Po.
71.0' 74.0' 82.2'	# ##	*** Grey, fine grained basalt tuff or tuffaceous shale - foliation $\pm 5^{\circ}$ to horizontal axis
100'	Black calcareous shale - foliation at $\pm 40-45^{\circ}$ to horizontal axis - couple specks chalcopryrite with pyrite (in stringers) stringers and tiny specks of pyrrhotite with chalcopryrite Very fine grained specks and stringers of disseminated pyrrhotite throughout the core, much is visible on cleavage. Visual est. % sulphides occurring mostly as pyrrhotite with tr. py-chpy.	500' **** Grey, fine grained andesite-dacite (chlorite matrix) massive (no foliation)
155.0' 159.6'	###	***** Grey, fine grained, altered chlorite to graphitic shale - foliation @ $\pm 15^{\circ}$ to Horizontal axis.
179.6' 181.0'	####	***** Grey, fine to medium grained andesite - massive (no foliation) possible amygdals at 66', nil sulphides
200'	Black graphitic shale - foliation at $\pm 5^{\circ}$ to horizontal axis - sulphides as pyrrhotite in specks, stringers and blebs	# Grey to black shale, trace chalcopryrite in quartz veins, couple stringers of pyrite - foliation at $\pm 25^{\circ}$ to horizontal axis
245.6' 250.0' 252.0' 256.0' 262.0' 266.0' 276.0'	##### ##### X XX XXX XXXX XXXXX XXXXXX	700' ***** Grey, fine to medium grained andesite - massive (no foliation) possible amygdals at 66', nil sulphides
286.0' 295.0' 300'	Bottom of Hole	# Grey to black shale, trace chalcopryrite in quartz veins, couple stringers of pyrite - foliation at $\pm 25^{\circ}$ to horizontal axis
350'		750' ## Andesite, same as 49.7 - 71.0 (grey, fine grained and massive)
400'		800'

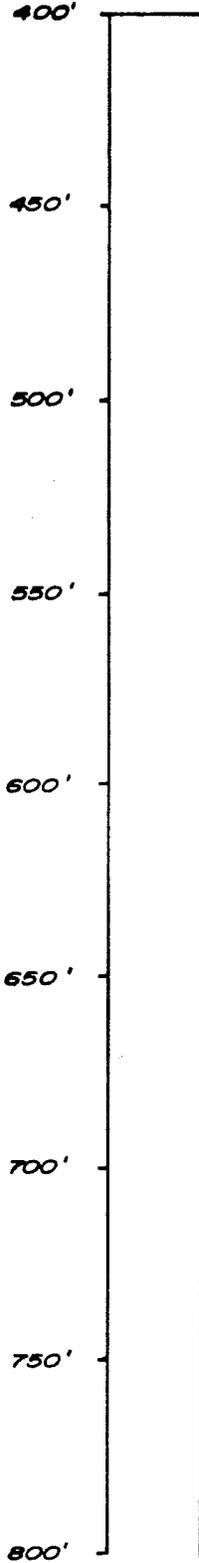
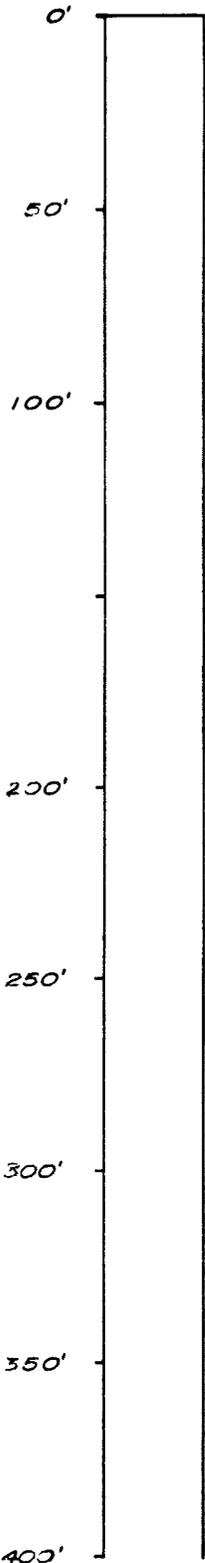
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###  
Green, fine grained massive andesite  
no quartz eyes visible  
sulphides as very fine grained  
specks and stringers of pyrrhotite  
Nil chalcopyrite visible

####  
Grey Shale - one or two specks of  
pyrrhotite

#####  
Green, fine grained, massive ande-  
site? Sulphides as pyrrhotite in  
tiny specks and stringers

#####  
Same as 181 - 245.6' - Shale  
Sulphides as pyrite & pyrrhotite

X  
Same as 245.6' - 252' andesite-  
dacite - massive (no foliation)  
sulphides as pyrrhotite in tiny  
specks

XX  
Same as 181' - 245.6' - Graphitic  
Shale - Foliation at  $\pm 0^\circ - 5^\circ$  to  
horizontal axis - sulphides as one  
or two specks of pyrrhotite

XXX  
Grey to black graphitic shale  
Foliation at  $\pm 5^\circ$  to horizontal axis  
Sulphides as pyrrhotite in blebs  
and stringers

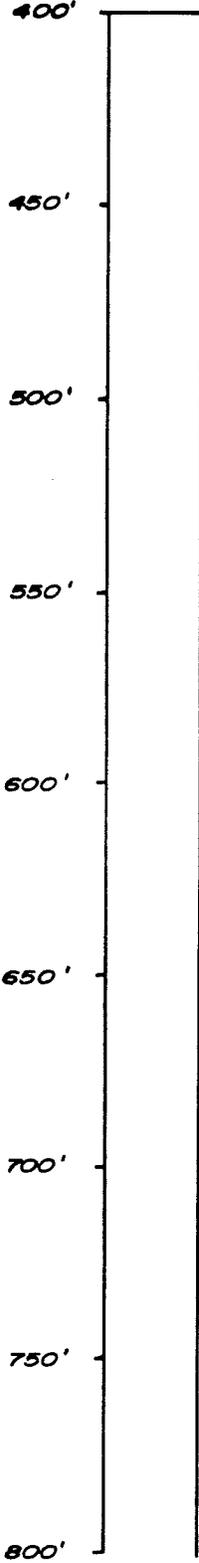
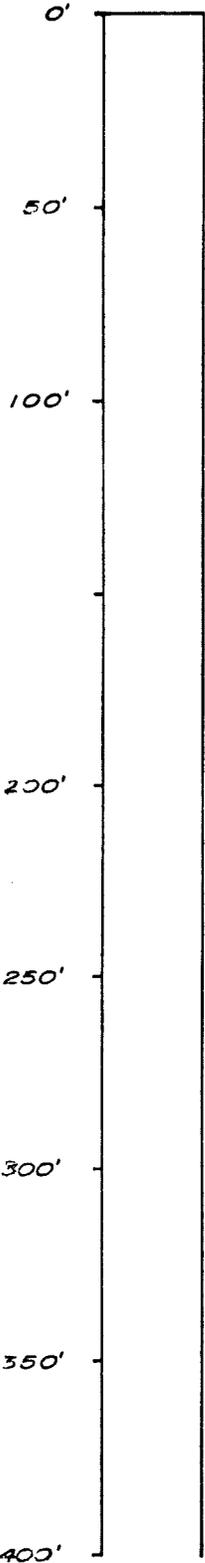
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XXXX

Grey to black shale - foliation at 15° - 20° to horizontal axis sulphides as pyrrhotite with trace chalcopyrite (specks with pyrrhotite)

XXXXX

Grey to black shale - sulphides as pyrrhotite

XXXXXX

Quartz eye tuff - quartz eyes and angular quartz fragments