J.S. Cummings Inc.

C. Mattson

LITHOLOGIC LOG

Project Ragged Mtn. Extension Hole no. RMX-6 Dip -45° Started 11/24/80 Elev. _____

Job no. 272.2 Township T9-R10 Coord. 272-8 Direction 336° Mag Completed 11/25/80

See Sketch
SW 1/4 - Roads S & W of Ragged Mtn.

Lithotype

0'

Overburden

40'

Felsic Gritty Tuff and Rhyolite -tuffs are felsic with qtz being the dominant fragment. Layers ±60° to core axis. Rhyolites massive and interlayered with tuffs. Tuffs show chlorite and sericite alteration.

50'

58'

Felsic Gritty Lapilli Frag.-felsic frags, quartz, rhyolite, tuffs, and other felsic fragments. Not well layered but a lineation of fragments visible, about the same as above. More altered than above tuffs, chloritized and sericitized fragments and wisps of sericite and chlorite around fragments.

94'

100'

Felsic Gritty Tuff and Rhyolite -
Same as 40'-58', minor rhyolite interlayered with tuffs.

140'

150'

Bottom of Hole

200'

NOTE: Sample at 59' shows several fragments of laminated CL type sericite exhalite.

TCW

250'

300'

350'

400'

C. Woodard
Feb., 1982

RE-EVALUATION

RMX-6

40 - 58	-	no sample in office, drill log says: felsic gritty tuff with interlayered massive rhyolite
58 - 94	-	felsic tuffaceous lapilli fragmental, sample at 59' contains abundant angular grit and lapilli sized altered volcanic rock fragments, welded and weakly layered into an altered felsic tuff matrix, total alteration about 25-30% sericite and chlorite, no visible grit, binoc done at 59'
94 - 140	-	weakly calcareous felsic gritty tuff, sample at 107' is weakly calcareous and very weakly altered with only minor grit, sample at 133' is altered (25-30% chl/ser alteration) and contains quite abundant black soft shaley grit; Note: drill log says minor rhyolite interlayered with felsic tuffs, rhyolites could actually be fine welded felsic tuffs (see sample at 125'), binoc done at 107', 125', and 133'

RE-EVALUATION

D. Coles
February, 1982

RMX-6

wispy chlorite and some sericite are found in the matrix of the felsic gritty lapilli fragmental, all CL-type sericite exhalites are found in this unit between 58' and 94'

61.5'	.2" X .3"	frag	ser/chl	good layers
64.2'	.8" X .3"	frag	ser/chl	layered
67.5'	.3" X .2"	frag	qtz/chl	poor layers
71.6'	.2" X .2"	frag	ser/chl/qtz	good layers
91.8'	1.2" X .3"	frag	ser/chl	poor layers

Fragments in this fragmental are elongated. It is possible that there are other CL-type exhalite fragments which appear to be part of the matrix.

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SULPHIDE LOG

Project Ragged Mtn. Extension Hole no. RMX-6 Dip -45° Started 11/24/80 Elev. _____

See Sketch

Job no. 272.2 Township T9-R10 Coord. 272-8 Direction 336° Mag Completed 11/25/80

SW 1/4 - Roads S & W of Ragged Mtn.

FROM	TO	INTERVAL	EST. % SULPHIDES	EST. METAL (Cu, Pb, Zn)	ALTERATION
40'	58'	18'	<1%		Chlor. & Ser.
58'	94'	36'	Trace		Chlor. & Ser.
94'	137'	43'	<1%		Chlor. & Ser.
137'	140'	3'	1%		Chlor. & Ser.
	Bottom of Hole				