

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Page 1

Location East of Oriental
Direction Down Dip Vertical
Started July 27, 1938 Finished August 26, 1938

COORDINATES
N 6730 E 12,800
Elevation 751.9'

Hole No. 280
Depth 571'

SECTION		DESCRIPTION		CORE							SLUDGE								
From	To	GENERAL	ECONOMIC	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	
0	99	0'-99' Overburden.																	
99	104	99'-285' Green lava. Many seams and fractures filled with calcite. Amygdules scarce, but a few noted in section at 136.3' and 137'. Flow lines about 45° to core.	99'-285' Barren.	86															
104	112			52															
112	118			45															
118	123			90															
123	130			42															
130	142			46															
142	151			37															
151	162			79															
162	173			47															
173	184			83															
184	197			63															
197	208			64															
208	217			58															
217	224			38															
224	230			60															
230	255			25															
255	263			13															
263	268			24															
268	272			15															
272	280			21															
280	285			10															
285	295	285'-376' Fine to medium grained arkose.		35															
295	307			55															
307	320			83															
320	334			75															
334	355			33															
355	365			52															
365	376			21															
376	379	376'-379' Diabase.		17															
379	405	379'-405' Medium grained arkose.		00															
405	413	405'-413' A light greenish colored sheared rock. Core in short 1" to 2" sections. Both quartz and feldspar phenocrysts which are poorly formed, are present. Rock contains numerous fragments of a light brown glassy rock and some tuff fragments. Probably a phase of dacite. Core shows a good deal	405'-413' Fine pyrite scattered through the core.	90								410-415	17-6553	Tr.	0.2	Tr.	0.3	0.5	3.4
												415-420	4	"	0.1	0.1	0.1	0.4	2.5
												420-425	5	"	0.1	0.1	0.1	0.3	2.9

SIZE OF CORE		REMARKS
From	To	
1 1/4"	From 0' To 99'	
3/4"	From 99' To 571'	
	From To	

Examined by _____
Approved by _____
Engineer
Manager

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DESCRIPTION

CORE

Sludge
Section

SLUDGE

SECTION		GENERAL	ECONOMIC	Core Rec. %	CORE							Core Rec. %	SLUDGE							
From	To				Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe		Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	
413	428	of fine pyrite thruout. 413'-428' An agglomerate composed of gray tuff and fragments of greenish quartz porphyry which is probably a phase of dacite. Similar to section 368'-401' in D.D. hole 216. 427'-428' is a fault breccia composed of white gouge and both angular and rounded fragments of gray tuff. Core recovered in small sections 1/2" to 3" long. No definite shear lines. Small amount of pyrite thruout the core.	413'-428' Small amount of pyrite thruout the core.	70																
428	440	428'-445' A fine grained greenish altered rock that has the appearance of having been porphyritic at one time. Shows a very few dark chloritic patches. At 441' is a 1/2" piece of well pyritized tuff. Some white gouge at 445'. Probably agglomerate.	441'-441.1' 1/2" piece of well pyritized tuff.	70									425-430	17-6556	N11	Tr	0.1	0.1	0.2	3.2
440	445			80									440-445	7	"	"	Tr.	Tr.	0.1	2.8
445	452	445'-449' Rock of the above section which has been brecciated and recemented. Apparently a minor fault zone. 449'-452' A greenish rock showing a good deal of chlorite alteration and containing fragments of arkose.		90																
452	471	452'-571' Medium and fine grained arkose.		96																
471	492			91																
492	508			94																
508	525			80																
525	537			95																
537	542			40																
542	560			96																
560	571			60																

SIZE OF CORE		REMARKS
From	To	
1 1/4" From	0' To 99'	August 10th, Broken clutch on drill caused delay.
1/8" From	99' To 571'	
From	To	

Examined by F. M. Stephens Engineer
Approved by [Signature] Manager