

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

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Location Surface, Northeast of Oriental
Direction Down Dip Vertical
Started Sept. 24, 1938 Finished December 12, 1938

COORDINATES
N 7400 E 12630
Elevation 771.6'

Hole No. 292
Depth 983'

DESCRIPTION

SECTION			DESCRIPTION	ECONOMIC	Core Rec %	CORE						Sludge Section	SLUDGE					
From	To	GENERAL				Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb
0	123	0-123'	Overburden. Mainly coarse gravel. 67' to 67.8' red granite boulder. 82' to 83' boulder. 86.5' to 87.5' gray granite boulder. 110' to 111.6' red granite boulder. 116 to 119' lava ledge and back into sand. Bedrock at 123'.															
123	132	123'-127'	Green lava. From 164' to 177'		84													
132	145		core recovered in small buttons. At 159'		75													
145	157		a 1/2" veinlet showed some pyrite and a		33													
157	160		speck or two of galena.	At 159' a small 1/2" veinlet of pyrite	20													
160	164			with a speck or two of galena.	No core													
164	177				8													
177	186	177'-327.5'	Arkose		40													
186	198				35													
198	212				76													
212	224				8													
224	252				16													
252	270				21													
270	288				47													
288	297				70													
297	306				26													
306	317				56													
317	327.5				80													
327.5	332	327.5'-332'	Dacite. Greenish in color and somewhat altered.	327'-379' Practically barren.	28													
332	342	332'-351'	Red rhyolite. Sheared and		20													
342	351		altered, making core recovery low.		17													
351	362	351'-360'	Green dacite. Sheared and		20													
362	372		altered.		52													
		360'-372'	Red rhyolite. Same as 332' to 351'.															
372	379	372'-379'	Green dacite. Somewhat sheared and altered.		25													
379	382	379'-382'	No core.		No core													
382	401	382'-401'	Green dacite. Somewhat fragmental from 385'-392'. Some shearing parallel to core from 400'-401' and fractures		93													

17-
155-160 9386 Nil Tr. Tr. Tr. 0.1 7.5
160-165 7 " " Nil Nil Tr. 6.2

17-
280-290 9388 Nil Tr. Nil Tr. Tr. 4.8

SIZE OF CORE		REMARKS
From	To	
1 1/4" From	0 To 123'	Water partly lost at 160'. Only about half returning. Cemented hole
7/8" From	123 To 983'	October 20th.
From	To	

Examined by _____
Approved by _____
Engineer
Manager

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Hole No. 292
Depth 963'

DESCRIPTION

CORE

Sludge Section

SLUDGE

SECTION		GENERAL	ECONOMIC	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
From	To																		
379-382		filled with a fairly soft white mineral																	
382	401	that is probably barite.																	
401	407	401'-407' Greenish sheared dacite similar to section 400'-401'.		46															
407	417	407'-442' Red rhyolite. Hard. The whole section shows the effects of shearing.	410.7'-410.9'. Slightly pyritized with traces of lead-zinc mineralization	67															
417	419	The fracture lines are irregular and are		15															
419	429	filled with a hard greenish yellow mineral that is probably epidote.		36															
429	438			56															
438	442			50															
442	447	442'-494' A dark gray, fine grained fragmental rock which shows some dis-	442'-494' Shows some finely dis-	50															
447	460	seminated pyrite throughout. Grades	seminated pyrite.	98															
460	472	into fragmental dacite at 494'. Section		87															
472	482	481'-483.5' looks like gray tuff.		83															
482	494	494'-518' Reddish green fragmental	494'-691' Practically barren except	94															
494	502	dacite; Bands of hematite at 499' and	for a small amount of pyrite.	53															
502	506	508'.		85															
506	518	518'-627' Hard reddish green dacite.		15															
518	527	Some bands look like red rhyolite but		73															
527	536	coloring probably due to the presence		75															
536	546	of hematite. Hematite bands at 542',		88															
546	560	547', 549', 551', 561' and 567'.		99															
560	574			98															
574	588			89															
588	598			100															
598	608			60															
608	620			90															
620	627			45															
627	634	627'-714' Dacite. Same character as		13															
634	645	above section except considerably		27															
645	656	altered and sheared. Fractures filled		21															
656	665	with quartz, calcite and epidote.		24															
665	675			32															
675	687			13															
687	696			27															
696	706			28															
706	714			56															
714	717	714'-717' Diabase. Shows some shearing		55															
		at 10' to core. Fractures filled with quartz																	
		and calcite.																	

SIZE OF CORE			REMARKS
From	To		
1 1/4"	From 0	To 123'	Bit and reaming coupling lost November 1st. Coupling recovered November 2nd, bit Nov. 3rd.
7/8"	From 123	To 965'	
	From	To	

Examined by _____
Approved by _____
Engineer
Manager

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SECTION		DESCRIPTION		CORE								SLUDGE							
From	To	GENERAL	ECONOMIC	Core Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe	Section Rec %	Sample No.	Oz. Au	Oz. Ag	% Cu	% Pb	% Zn	% Fe
717	726	717'-738' Reddish green dacite. Some shearing. Fractures irregular and filled with quartz and epidote. 738'-813' A greenish gray dacitic type of rock in which the phenocrysts are poorly developed.	738'-813' A small amount of pyritization throughout the core. Fairly well pyritized at 746'-748' and 2" at 755'.	73															
726	734			65															
734	738			83															
738	756			72															
756	777			62															
777	802	813'-885' Agglomerate. Shows angular fragments of tuff, trachyte and other rocks. Section somewhat similar to section 236.5'-245' in D.D.H. 295, except no hematite stains.		95															
802	813			20															
813	821			17															
821	831			59															
831	837			6															
837	846	885'-896' Probably fragmental dacite. A dark green highly chloritized rock that shows a few kaolinized feldspars. Numerous angular fragments from 891' to 892'.		89															
846	863			65															
863	885			58															
885	896			27															
896	912			16															
912	916	896'-935' Agglomerate. Shows fragments of quartz porphyry and gray tuff. Very much sheared and altered from 906' to 923'. Core recovery low.	896'-935' Shows a small amount of pyrite.	No core															
916	928			13															
928	938			19															
938	949			54															
949	958			60															
958	968	935'-944' Gray green tuff. 944'-958' Trachytic agglomerate. Contains fragments of tuff and trachyte. Some of the trachyte fragments show calcite filled amygdulæ up to 3/8" in diameter. 958'-983' Arkose. The whole section shows the effects of shearing and is highly altered and softened from 977' to 983'.		44															
968	977			85															
977	983			80															

END

SIZE OF CORE
From To
1 1/4" From 0 To 125'
7/8" From 125 To 983'
From To

REMARKS November 14, 15 and 16 fishing for lost bit. November 16 bit recovered minus two stones. 123' of standpipe left in hole.

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