

File

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Sheet No. 1

Location Surface northwest of Lucky Strike
Direction Down
Started September 18, 1949
Dip -90° at 0'; $-85\frac{1}{2}^{\circ}$ at 1000'; $-79\frac{1}{2}^{\circ}$ at 1500'
Finished November 26, 1948

COORDINATES
N 5994.25 E 1751.53
Elevation 932.62

Hole No. 817
Depth 1536'

General		DESCRIPTION		Economic		COORDINATES										Sheet No. 1	
		Section														Hole No. 817	
		From To		Core Rec. %												Depth 1536'	

SIZE OF CORE

From 10 To 436
From 436 To 1536
From To

REMARKS

Mass directional tests at 1500' depth showed that hole wandered due east. (one test 90° and second test 99°)

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES
N _____ E _____
Elevation _____

Hole No. 817
Depth 1536'

DESCRIPTION				CORE							SLUDGE								
General	Section		Core Rec. %	Economic	Sample No.	Oz. Au.	Oz. Ag.	% Cu.	% Pb	% Zn	% Fe	Sludge Sect.	Sample No.	Oz. Au.	Oz. Ag.	% Cu	% Pb	% Zn	% Fe
	From	To																	
<u>244-347</u> Massive, dark green, medium grained, diabase-dolerite sill. Contact 45° to core at 244 and 90° to core at 347'.	244	243	90	<u>244-572</u> Barren.															
	253	265	100																
	265	271	95																
	271	281	90																
	281	301	90																
	301	310	95																
	310	321	95																
	321	329	90																
	329	349	100																
	349	361	100																
<u>347-415</u> Grey-green, coarse, acid-intermediate gritty tuff; small phenocrysts of feldspar and quartz; some development of chlorite in the matrix. Some shearing, bleaching, and crushing.	361	369	100																
	369	379	95																
	379	388	95																
	388	401	90																
	401	415	90																
<u>415-425</u> Dark grey-green, fine grained, porphyritic, intermediate-andesite flow. No amygdules. Has 15% small phenocrysts of feldspar.	415	419	100																
	419	422	50																
	422	425	80																
<u>425-468</u> Mixed intermediate agglomerate; grey-green and olive-green, has fragments of porphyritic intermediate lava and some acid lava fragments.	425	431	100																
	431	438	95																
	438	448	90																
	448	458	55																
	458	468	37																
<u>468-569</u> Dark green, medium grained, andesite flow. Some amygdules. Fairly massive.	468	474	60																
	474	481	100																
	481	488	35																
	488	504	85																
	504	518	90																
	518	533	70																
	533	545	85																
	545	558	95																
	558	567	80																
	567	573	85																
<u>569-572</u> Mixed agglomerate; orange tinted acid-intermediate lava fragments and green intermediate-andesite fragments in a dark grey-black chloritic matrix.																			

SIZE OF CORE		REMARKS
From	To	
1 1/4"	From To	
3/4"	From To	
	From To	

Examined by H. G. Maclean Engineer
Approved by /S/ Geo. G. Thomas (per M.) Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Sheet No. 3

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES

N _____ E _____
Elevation _____Hole No. 817
Depth 1536'

DESCRIPTION				CORE							SLUDGE								
General	Section		Core Rec. %	Economic	Sample No.	Oz. Au.	Oz. Ag.	% Cu.	% Pb	% Zn	% Fe	Sludge Sect.	Sample No.	Oz. Au.	Oz. Ag.	% Cu	% Pb	% Zn	% Fe
	From	To																	
572-708 Massive, grey-green, medium grained, intermediate-andesite lava flow with a few 6" to 12" flow breccia zones. No amygdules. About 50% small feldspar grains.	573	577	95	572-983 Barren.															
	577	610	100																
	610	630	100																
	630	647	90																
	647	656	100																
	656	676	95																
	676	696	100																
	696	707	90																
708-764 Grey-green, intermediate-andesite agglomerate and tuff; some acid-intermediate lava fragments. Fairly hard, no shearing. Fragments are amygdular and some are porphyritic.	707	718	90																
	718	728	95																
	728	754	100																
	754	767	90																
764-774 Dark grey-black, fine grained, amygdular, andesite lava flow.	767	777	100																
774-784 Dark grey-green, andesite agglomerate; some amygdular fragments.	777	787	100																
784-826 Massive, dark grey-black, amygdular andesite lava flow. Quartz filled amygdules. Soft, crushed zone 816-826.	787	816	100																
	816	826	10																
826-852 Grey-green and purplish-grey intermediate lava flow; quite fine grained. A few quartz filled amygdules.	826	835	75																
	835	845	100																
852-862 Grey-green intermediate agglomerate; same material as 826-852.	845	852	100																
	852	862	40																
862-864 Dark green, highly amygdular andesite agglomerate with calcite filled amygdules.	862	866	100																
864-983 Grey-green and olive-green, chloritized dacitic agglomerate and gritty tuff. Has 30% small white feldspar phenocrysts and a few tiny quartz eyes. Sheared and carbonated 910-922.	866	872	80																
	872	882	100																
	882	889	95																
	889	899	100																
	899	915	80																
	915	922	90																
	922	936	40																
	936	958	100																
	958	968	50																

SIZE OF CORE

REMARKS

From	To
1 1/4" From	To
3/8" From	To
From	To

Examined by H. M. McLean

Engineer

Approved by /s/ Geo. G. Thomas (Per M.)

Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES
N _____ E _____
Elevation _____

Hole No. 817
Depth 1536'

DESCRIPTION				C O R E							S L U D G E									
General	Section		Core Rec. %	Economic	Sample No.	Oz. Au.	Oz. Ag.	% Cu.	% Pb	% Zn	% Fe	Sludge Sect.	Sample No.	Oz. Au.	Oz. Ag.	% Cu	% Pb	% Zn.	% Fe	
	From	To																		
983-1010 Hard, siliceous, grey-green, acid-intermediate flow. Cut by 6 inch chilled diabase dyke at 999 and 8 inch dyke at 1003. The flow has 20% small phenocrysts of white feldspar and a few quartz eyes. 1010-1040 Massive, dark green, medium grained diabase sill. 1040-1045 Grey-green, hard, acid-intermediate agglomerate. Silicified. 1045-1048 Dark-green, fine grained, diabase dyke. 1048-1102.5 Olive-green, chloritic, dacitic agglomerate and gritty tuf f. Sheared 1048-1086. Chilled diabase dyke 1099-1100. 1102.5-1107 Dark green, fine grained, chilled diabase dyke; cutting almost parallel to core. Considerably brecciated with calcite cement. 1107-1140 Grey-green, silicified, acid-intermediate agglomerate; very little development of chlorite; fairly fine grained fragments with 20% small phenocrysts. Hard.	968	979	90	983-1404 Barren.																
	979	989	75																	
	989	992	90																	
	992	998	80																	
	998	1006	75																	
	1006	1012	45																	
	1012	1022	90																	
	1022	1030	90																	
	1030	1040	100																	
	1040	1044	100																	
	1044	1051	100																	
	1051	1060	100																	
	1060	1086	100																	
	1086	1095	90																	
	1095	1103	80																	
	1103	1111	65																	
	1111	1131	90																	
	1131	1141	95																	
	1141	1151	25																	
	1151	1164	15																	
	1164	1177	100																	
	1177	1186	100																	
	1186	1206	100																	
	1206	1125	100																	
	1225	1244	85																	
	1244	1262	90																	
	1262	1282	100																	
	1282	1302	85																	
	1302	1322	100																	
	1322	1344	95																	
1344	1362	75																		
1362	1381	100																		

SIZE OF CORE		REMARKS
From	To	
1 1/4" From	To	
7/8" From	To	
From	To	

Examined by H. G. Maclean Engineer
Approved by /S/ Geo. G. Thomas (per M.) Manager

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Sheet No. 5

Location _____
 Direction _____ Dip _____
 Started _____ Finished _____

COORDINATES

N _____ E _____
 Elevation _____

Hole No. 817
 Depth 1536'

DESCRIPTION				CORE							SLUDGE								
General	Section		Core Rec. %	Economic	Sample No.	Oz. Au.	Oz. Ag.	% Cu.	% Pb	% Zn	% Fe	Sludge Sect.	Sample No.	Oz. Au.	Oz. Ag.	% Cu	% Pb	% Zn	% Fe
	From	To																	
	1381	1401	97																
	1401	1405	100																
1404-1471.5 Soft, schistose, acid-intermediate gritty tuff. Sheared and bleached. Grey-white and grey-green colour. Feldspathic. Fairly hard and silicified from 1455-1461; rest is sheared and bleached.	1405	1411	90	Sample 1404-1407 Lightly, disseminated pyrite. Traces of Pb-Zn from 1404-1405.	336705	N	N	N	N	1.7	3.4								
	1411	1419	80	Sample 1407-1411 Lightly disseminated pyrite.	6	N	N	N	N	1.6	2.4								
				Sample 1411-1417 ditto	7	N	N	N	N	N	1.9								
				Sample 1417-1421 ditto	8	N	N	N	N	0.6	2.2								
	1419	1425	100	Sample 1421-1425 ditto	9	N	N	N	N	0.8	2.0								
	1425	1435	100	Sample 1425-1430 ditto	10	N	N	N	N	N	1.7								
				Sample 1430-1435 ditto	1	N	N	N	0.3	0.4	2.1								
	1435	1445	100	Sample 1435-1440 ditto	2	0.01	0.2	N	N	0.8	2.9								
				Sample 1440-1445 ditto	3	N	N	N	N	1.0	1.8								
	1445	1455	95	Sample 1445-1450 ditto	4	0.01	0.2	N	N	0.4	2.1								
				Sample 1450-1455 ditto	5	N	0.2	N	N	1.0	1.5								
	1455	1464	100	Sample 1455-1460 Hard and barren.	6	N	N	N	N	N	1.9								
				Sample 1460-1464 Barren.	7	N	N	N	N	N	2.5								
	1464	1472	90	Sample 1464-1467 Schistose with lightly disseminated pyrite Pb-Zn.	8	0.01	0.2	N	0.8	2.7	2.4								
				Sample 1467-1471.5 Traces of pyrite Pb-Zn.	9	N	0.2	N	0.3	1.4	2.2								
				1471.5-1473 Barren.															
1471.5-1473 Dark grey-green, fine grained andesite tuff.																			
1473-1484 Dark grey-green, gritty, feldspathic dacite tuff; considerable development of chlorite in the matrix.	1472	1479	95	1473-1484 Barren.															
	1479	1488	95																
1484-1486 Dark green, fine grained, andesite tuff. Contacts about 45° to core.				1484-1536 Barren.															
1486-1493 Grey-green and olive-green gritty dacite tuff.	1488	1492	90																
	1492	1493	30																
1493-1494 Dark grey-green, fine grained, andesite tuff.																			
1494-1512 Dark grey and pale grey and green, chert and siltstone; fine grained; hard and flinty. Bedding contorted.	1493	1499	55																
	1499	1501	15																
	1501	1506	70																
1512-1536 Dark green, fine grained, andesite tuff; some highly amygdular fragments; calcite fillings. Some minor shearing. 1536' end of hole.	1506	1515	100																
	1515	1536	90																

SIZE OF CORE

REMARKS

From	To
1 1/4" From	To
3/8" From	To
From	To

Examined by Hymaichean

Engineer

Approved by /S/ Geo. G. Thomas (per M.)

Manager