

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Sheet No. 1

Location Surface northwest of Rothermere Shaft,
 Direction Down Dip Vertical, see foot note
 Started February 28, 1949 Finished April 20, 1949

COORDINATES

N 6250.75 E 1499.25
 Elevation 950.09

Hole No. 843
 Depth 1728'

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																	
0-5 Overburden	5	10	100																
5-108 Grey-black and grey-green, fine grained, andesite flow. A few small quartz filled amygdules. Crushed zone 103-104'.	10	21	75	5-356 Barren.															
	21	31	100																
	31	48	95																
	48	62	80																
	62	82	100																
	82	95	98																
	95	104	94																
108-112 Grey-green andesite agglomerate.	104	115	98																
112-114 Grey-green, intermediate-andesite flow with 20% feldspar phenocrysts.																			
114-117 Grey-green, fine grained, andesite agglomerate.																			
117-137 Brownish-grey acid-intermediate flow; porphyritic with small feldspar phenocrysts.	115	122	90																
	122	134	95																
	134	138	90																
137-175 Grey-green, fine grained, andesite flow breccia and agglomerate; some bleaching. Some chlorite and calcite filled amygdules.	138	148	100																
	148	152	90																
	152	160	35																
	160	168	80																
175-197 Grey-green, fine grained, andesite flow with calcite filled amygdules. Some fracturing.	168	178	100																
	178	182	40																
	182	190	84																
	190	197	75																
197-356 Grey-green, fine grained, amygdular andesite agglomerate. Some crushing.	197	202	80																
	202	232	100																
	232	239	80																
	239	244	84																
	244	251	65																
	251	261	72																
	261	273	100																
	273	277	100																
	277	285	90																
	285	295	100																
	295	307	56																
	307	322	60																
	322	337	45																
	337	357	100																

SIZE OF CORE

3" From 5 To 10
 AX 14" From 10 To 815
 EX 7/8" From 815 To 1728
 From To

REMARKS At 0', dip is -90°; at 400' dip is -87°; at 800', dip is -87°, at 1200', dip is -82°
and direction S59° E; at 1600', dip is -77° and direction S43° E.

Examined by Hymachuan Engineer

Approved by _____ Manager

ORIGINAL SIGNED
BY

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES
N _____ E _____
Elevation _____

Hole No. 843
Depth 1728'

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																	
356-366 Dark purplish-green andesite flow; some chalcedony filled amygdulcs and some tiny chlorite filled amygdulcs. Some small feldspar phenocrysts.	357	367	100	356-835 Barren.															
366-503 Grey-green andesite agglomerate with chalcedony filled amygdulcs. Some calcite veining. Some feldspar phenocrysts.	367	372	90																
	372	381	90																
	381	391	100																
	391	399	80																
	399	417	100																
	417	432	100																
	432	442	90																
	442	448	60																
	448	458	50																
	458	468	55																
	468	476	95																
	476	495	100																
	495	503	97																
503-528 Dark green, massive, fine grained, chilled diabase dyke.	503	513	88																
	513	520	70																
	520	528	45																
528-538 Olive-green acid-intermediate coarse tuff; has quartz grains. Siliceous.	528	535	57																
	535	541	80																
538-812 Dark green, medium grained diabase sill; chilled margins; somewhat fractured and bleached from 700-800.	541	551	100																
	551	567	100																
	567	577	98																
	577	603	100																
	603	651	100																
	651	665	94																
	665	690	100																
	690	697	83																
	697	777	100																
	777	793	94																
	793	812	100																
812-835 Hematite stained, andesite agglomerate; somewhat porphyritic.	812	815	60																
	815	825	100																
	825	835	100																

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

Examined by H. J. Maclean Engineer
Approved by GEO. G. THOMAS Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Sheet no. 3

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES

N _____ E _____
Elevation _____Hole No. 843
Depth 1728'

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																	
835-973 Dark green with hematite staining, amygdular andesite flow. Fairly massive except for flow breccia zone 835-839; fine grained in general with some porphyritic bands. Calcite filled amygdules.	835	885	100	835-1317 Barron.															
	885	890	10																
	890	900	98																
	900	978	100																
973-1074 Dark grey-green andesite agglomerate with some tuff bands.	978	988	100																
	988	1008	100																
	1008	1018	100																
	1018	1026	95																
	1026	1046	100																
	1046	1066	100																
	1066	1072	90																
1074-1089 Grey-green andesite flow ; some hematite staining. Fine grained.	1072	1077	90																
	1077	1081	100																
	1081	1091	94																
1089-1091 Bleached, pale grey-green, sheared, acid-intermediate coarse tuff and agglomerate; quartz grains present. Some development of chlorite.																			
1091-1094 Grey-green, fine grained, andesite flow. Calcite filled amygdules.	1091	1101	100																
1094-1097 Olive-green with orange staining, coarse acid-intermediate tuff with prominent quartz grains. Some chlorite development.																			
1097-1317 Olive-green dacitic gritty tuff with small quartz and feldspar grains. Some shearing and development of chlorite.	1101	1110	95																
	1110	1120	100																
	1120	1147	100																
	1147	1167	100																
	1167	1175	90																
	1175	1185	42																
	1185	1226	100																
	1226	1241	80																
	1241	1256	100																
	1256	1266	65																

SIZE OF CORE

REMARKS

From	To	
1 1/2" From	To	
3/4" From	To	
From	To	

Examined by _____

H. Marshall

ORIGINAL SIGNED

BY

GEO. G. THOMAS

Engineer

Approved by _____

Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES
N _____ E _____
Elevation _____

Hole No. 843
Depth 1728'

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																	
	1266	1292	100	<u>1317-1567</u> Barren.															
	1292	1301	70																
	1301	1315	96																
<u>1317-1331</u> Bleached, pale grey, fine grained, diabase-dolerite dyke.	1315	1321	95																
Contacts about 10°- 20° to core.	1321	1325	73																
<u>1331-1433</u> Olive-green acid-intermediate agglomerate with some gritty tuff zones. Some siliceous introduction.	1325	1332	35																
	1332	1340	77																
	1340	1350	71																
	1350	1362	50																
	1362	1372	95																
	1372	1386	96																
	1386	1395	100																
	1395	1403	60																
	1403	1420	97																
	1420	1430	100																
<u>1433-1567</u> Dark grey diabase-dolerite dyke with wide chilled band.	1430	1450	100																
<u>1433-1440</u> . Massive; fine grained.	1450	1464	85																
	1464	1474	98																
	1474	1487	76																
	1487	1497	94																
	1497	1505	65																
	1505	1514	100																
	1514	1525	100																
	1525	1531	70																
	1531	1541	40																
	1541	1551	77																
	1551	1561	48																
	1561	1566	66																
<u>1567-1573</u> Grey-white and olive-green, bleached and silicified, acid-intermediate agglomerate; some development of yellowish chlorite-sericite.	1566	1573	65	<u>1567-1573</u> Traces of pyrite.															
<u>1573-1605</u> Dark grey, chilled, steep angle diabase-dyke. Fractured.	1573	1579	17	<u>1573-1605</u> Barren.															
	1579	1586	44																
	1586	1590	60																
	1590	1593	70																
	1593	1595	70																

SIZE OF CORE		REMARKS
From	To	
1 1/2"	From To	
7/8"	From To	
	From To	

Examined by H. McLean Engineer
Approved by GEO. G. THOMAS Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Sheet No. 5

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES

N _____ E _____
Elevation _____Hole No. 843
Depth 1728'

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																	
	1595	1599	40																
	1599	1605	45																
1605-1614 Yellowish-white, bleached, silicified, acid-intermediate gritty tuff; about 50% replaced by silica.	1605	1614	83	1605-1614 Traces of disseminated pyrite and a few tiny grains of Pb-Zn.															
1614-1630 Dark grey-green andesite tuff; considerably veined with quartz and epidote. Fractured.	1614	1618	30	1614-1728 Barren.															
	1618	1622	32																
	1622	1624	40																
	1624	1630	35																
1630-1728 Grey-green and dark green, amygdular andesite agglomerate. A little bleaching; no shearing. Calcite filled amygdules and calcite cement in matrix. Some epidote and quartz veining.	1630	1637	90																
	1637	1647	100																
	1647	1657	91																
	1657	1667	75																
	1667	1676	90																
	1676	1682	80																
	1682	1691	100																
	1691	1697	100																
	1697	1707	80																
	1707	1717	100																
	1717	1728	100																

1728' end of hole.

SIZE OF CORE

From	To
1 1/2" From	To
7/8" From	To
From	To

REMARKS

Examined by H. G. Thomas

Approved by _____

ORIGINAL SIGNED
BY
GEO. G. THOMAS

Engineer

Manager