

BUCHANS MINING CO., LTD. DIAMOND DRILL HOLE RECORD

Location Surface northwest of Lucky Strike,Direction Down (see remarks) Dip -90° at 0'; -90° at 500'; -83½° at 1000'; -82° at 1400';Started October 10, 1948 Finished December 28, 1948-78½° at 1700'.

COORDINATES

N 6503.59 E 1502.37Elevation 946.98Hole No. 823Depth 1766'

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																	
0-84 Dark grey-black and grey-green, quite fine grained, chilled, amygdular andesite lava flow. Calcite and quartz amygdular fillings.	0	7	75	0-253 Barren.															
	7	16	90																
	16	26	75																
	26	36	65																
	36	47	40																
	47	56	85																
	56	67	50																
84-129 Pale grey, bleached, chilled andesite lava flow; small amygdules. Some brecciation.	67	74	13																
	74	84	45																
	84	94	33																
	94	98	30																
	98	108	40																
	108	117	60																
	117	127	63																
129-141 Dark grey-black, quite fine grained, amygdular andesite flow, as 0-84. Calcite filled amygdules. Some flow breccia with calcite cement.	127	129	50																
	129	139	57																
	139	141	30																
141-153 Olive-green, epidote stained, intermediate-andesite agglomerate.																			
	141	143	50																
	143	147	12																
	147	153	70																
	153	159	40																
	159	165	20																
	165	170	15																
170-200 Grey-green, fine grained, intermediate-andesite agglomerate; small amygdules with chlorite and calcite fillings.	170	177	20																
	177	181	25																
	181	187	20																
	187	192	70																
	192	200	85																
	200	206	90																
	206	213	100																
200-253 Pale grey and grey-green, bleached, intermediate-andesite agglomerate and flow breccia; only a few amygdules; quite fine grained matrix with small greenish stained feldspar phenocrysts. Chlorite and quartz filled amygdules. From 217-230 is coarse tuff with small lava chips.	213	220	50																
	220	225	88																
	225	237	90																
	237	242	85																
	242	247	98																
	247	257	100																

SIZE OF CORE

REMARKS One Meas drill hole test at 1700' gives a hole direction of S. 7½° W. at 1700'.

BX From 0 To 12

AX 1" From 12 To 221

EX 3" From 221 To 1766

From To

Examined by

Approved by

ORIGINAL SIGNED

BY

GEO. G. THOMAS

Engineer

Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES
N _____ E _____
Elevation _____

Hole No. 823
Depth 1766'

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																	
253-268 Fairly massive, fine grained, intermediate-andesite flow and flow breccia; tiny quartz and chlorite filled amygdules.	257	261	100	253-623 Barren.															
	261	271	100																
268-393 Dark grey-green and purplish-grey, fine grained, amygdular andesite agglomerate; quartz and calcite filled amygdules. Some coarse tuff matrix. Fairly hard; no shearing.	271	300	100																
	300	306	70																
	306	327	90																
	327	334	60																
	334	341	100																
	341	358	80																
	358	368	95																
	368	390	100																
	390	395	90																
393-504 Massive, quite fine grained, dark grey-black, diabase dyke. Contact at 393' about 45° to core; contact at 504' about 20° to core.	395	406	60																
	406	413	60																
	413	422	55																
	422	432	60																
	432	440	60																
	440	445	90																
	445	475	95																
	475	495	100																
	495	506	90																
504-507 Dark grey-black, fine grained, amygdular, andesite agglomerate.	506	507	100																
507-514 Dark grey-black, chilled, very fine grained, andesite flow with a few tiny amygdules.	507	515	50																
514-608 Dark grey-green and purplish-grey, bleached in part to olive-green, fine grained, amygdular, andesite agglomerate. Quartz filled amygdules. One inch veinlet of barite under flow at 514'.	515	520	90																
	520	531	90																
	531	534	35																
	534	544	100																
	544	553	100																
	553	573	85																
	573	593	100																
	593	603	75																
608-623 Massive dark green andesite flow; fine grained; amygdular.	603	613	100																
	613	620	80																

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

Examined by H. Maclean
Approved by GEO. C. THOMAS
Engineer
Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Sheet No. 3

Location _____
Direction _____ Dip _____
Started _____ Finished _____

COORDINATES

N _____ E _____
Elevation _____Hole No. 823
Depth 1766'

DESCRIPTION

CORE

SLUDGE

General	Section		Core Rec. %	Economic	Sample No.	CORE						SLUDGE							
	From	To				Oz. Au.	Oz. Ag.	% Cu.	% Pb	% Zn	% Fe	Sludge Sect.	Sample No.	Oz. Au.	Oz. Ag.	% Cu	% Pb	% Zn	% Fe
<u>623-744</u> Dark grey-green, amygdular, andesite agglomerate, as 514-608'. Some porphyritic, amygdular, andesite fragments from 659-715.	620	628	85	<u>623-964</u> Barren.															
	628	670	100																
	670	678	70																
	678	685	70																
	685	693	85																
	693	698	95																
	698	723	100																
	723	742	100																
<u>744-768</u> Massive, fine grained, dark green, intermediate flow. No amygdules; no phenocrysts.	742	750	100																
	750	757	50																
	757	768	90																
<u>768-784</u> Olive-green, acid-intermediate gritty tuff and agglomerate. Cut by dark grey fine grained, intermediate dyke from 769-773.	768	774	65																
	774	779	40																
	779	782	30																
<u>784-792</u> Dark green, fine grained, amygdular, andesite flow.	782	792	100																
<u>792-795</u> Dark grey-green, chloritic, acid-intermediate gritty tuff.	792	800	100																
<u>795-929</u> Dark reddish, hematite stained, amygdular, andesite flow. Quartz and calcite filled amygdules. Some red weed gouge. Cut by chilled acid dykes at 893-898, 903-916 and 922-925; the dykes are fine grained, orange-grey colour, no prominent phenocrysts; they cut at small angles to core.	800	836	100																
	836	839	60																
	839	845	30																
	845	848	20																
	848	858	85																
	858	870	95																
	870	889	100																
	889	899	90																
	899	907	95																
	907	917	100																
	917	928	70																
<u>929-947</u> Grey-green, fine grained, intermediate lava flow; no phenocrysts; no amygdules. Cut by orange tinted acid dyke at 931-939' which is almost parallel to core.	928	933	70																
	933	946	100																
<u>947-964</u> Dark grey & green massive amygdular, andesite flow. Calcite filled amygdules.	946	954	90																
	954	958	50																
	958	964	95																

SIZE OF CORE

REMARKS

From	To	
14" From	To	
7" From	To	
From	To	

Examined by

H. J. Maclean

Engineer

Approved by

ORIGINAL SIGNED
BY
GEO. G. THOMAS

Manager

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Sheet No. 4

Location _____
Direction _____ Dip _____
Started _____ Finished _____COORDINATES
N _____ E _____
Elevation _____Hole No. 823
Depth 1766'

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																	
964-1078 Dark green, fine grained andesite flow; no phenocrysts; chilled; some calcite filled amygdules; some epidote and quartz veining. Some flow breccia 1019-1021.	964	973	90	964-1621 Barren,															
	973	977	80																
	977	997	85																
	997	1048	100																
	1048	1056	60																
	1056	1065	100																
	1065	1072	10																
1078-1081 Grey-green, fine grained, andesite tuff with considerable red staining.	1072	1083	90																
1081-1084 Olive-green, coarse, acid-intermediate gritty tuff.																			
1084-1087 Dark green; intermediate-andesite tuff.	1083	1092	90																
1087-1621 Olive-green & grey green coarse, acid-intermediate gritty tuff.	1092	1102	100																
	1102	1163	100																
Fairly coarse and silicified 1084-1158.	1163	1176	90																
Some chlorite developed in the matrix.	1176	1187	75																
Not much shearing. Some bands of hard agglomerate. Considerably fractured	1187	1205	100																
	1205	1260	100																
1187-1198, 1536-1537, 1547-1551, and 1580-1592.	1260	1329	100																
	1329	1338	90																
Cut by narrow, chilled, diabase dykes from 1580-1582 and 1584-1588.	1338	1345	30																
	1345	1392	100																
	1392	1397	80																
	1397	1421	100																
	1421	1428	80																
	1428	1464	100																
	1464	1473	60																
	1473	1483	95																
	1483	1490	100																
	1490	1498	10																
	1498	1530	100																
	1530	1537	70																
	1537	1547	70																
	1547	1554	55																
	1554	1584	80																
	1584	1592	50																
	1592	1603	90																

SIZE OF CORE		REMARKS
From	To	
1 1/4"	To	
3/8"	To	
From	To	

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

BUCHANS MINING CO., LTD.
DIAMOND DRILL HOLE RECORD

Location _____
Direction _____, Dip _____
Started _____ Finished _____

COORDINATES
N _____ E _____
Elevation _____

Hole No. 823
Depth 1766'

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																	
1621-1633 Grey-white and greenish-white, soft sericitic schist after acid-intermediate gritty tuff.	1603	1618	90	1621-1633 Traces of disseminated Pb-Zn pyrite.								1605-1615	338101	N	N	N	N	N	2.9
	1618	1627	75									1615-1625	2	N	N	0.2	N	N	5.5
	1627	1633	23									1625-1635	3	N	N	N	N	N	4.7
1633-1697 Grey-white sheared acid-intermediate gritty tuff; schistose in part. Some silicification. Bleached. Similar to 1621-1633.	1633	1638	6	1633-1697 Lightly disseminated pyrite. Traces of Pb-Zn at 1643'								1635-1645	4	.01	0.2	0.2	0.6	1.0	6.6
	1638	1649	90									1645-1655	5	N	0.2	N	0.6	1.0	9.0
	1649	1660	27									1655-1665	6	N	N	N	0.4	0.8	7.1
	1660	1678	100									1665-1670	7	.01	0.2	N	N	0.4	11.7
	1678	1694	100									1670-1680	8	N	N	N	0.4	0.6	10.7
	1694	1697	60									1680-1685	9	N	N	N	N	N	8.9
1697-1700 Dark green, fine grained, andesite tuff.	1697	1700	33	1697-1700 Barren.								1685-1695	10	N	N	N	N	N	6.0
1700-1715 Grey-white sheared acid-intermediate tuff. Bleached; some silicification. Low core recovery.	1700	1711	45	1700-1715 Traces of pyrite.								1695-1700	1	N	N	N	N	0.6	8.2
	1711	1721	45									1700-1710	2	N	N	N	N	N	5.0
1715-1766 Massive, dark green, amygdular, andesite-basalt agglomerate. Calcite filled amygdules.	1721	1724	80	1715-1766 Barren.								1710-1720	3	N	N	N	N	N	5.7
	1724	1734	100																
	1734	1737	40																
	1737	1747	90																
	1747	1756	95																
	1756	1766	100																
1766' end of hole.																			

1766' end of hole.

SIZE OF CORE		REMARKS
From	To	
1 1/4" From	To	
1/2" From	To	
From	To	

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