

REPORT ON THE GEOLOGICAL SURVEY
AND DIAMOND DRILLING

CONDUCTED ON THE PROPERTY

OF

CHATAWAY EXPLORATIONS CO. LTD.

LOCATED IN THE

HIGHLAND VALLEY AREA, BRITISH COLUMBIA

FOR

INTERNATIONAL MOGUL MINES LIMITED

ΒY

JACK G. WILLARS, P.Eng.
MINING GEOLOGIST

Department of

Mines and Patroleum Resources

ASSESSMENT REPORT

No. 4050 MA

New Liskeard, Ontario

October 10, 1972

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REPORT ON THE GEOLOGICAL SURVEY
AND DIAMOND DRILLING
CONDUCTED ON THE PROPERTY
OF
CHATAWAY EXPLORATIONS CO. LTD.
HIGHLAND VALLEY AREA, BRITISH COLUMBIA

FOR
INTERNATIONAL MOGUL MINES LIMITED

INTRODUCTION

During the period of June to October, 1972, International Mogul Mines

Limited conducted an exploration program for copper and molybdenum mineralization
on the west half of the property of Chataway Exploration Co. Ltd. located in
the Highland Valley area of British Columbia. This segment of the property
is held by International Mogul through a working option agreement. The
work consisted of geological mapping and diamond drilling.

Previous geological work was performed without the benefit of an accurate base map to a satisfactory scale and a standard nomenclature system of the Guichon batholith rock types. Where possible, much of the previous work was incorporated in the present geological survey and the outcome of the present work is considered to represent a much more accurate geological picture of this segment of the Chataway Exploration holdings.

PROPERTY

The western one-half of the Chataway Exploration Co. Ltd. property held under option by International Mogul Mines Limited consists of 204 contiguous, unsurveyed mining claims, bearing the following designations:

Claim Name

Record Number

Bob No	. 1 - 8	25387 - 25394 incl.
Cap	1 - 4 Fr.	47577 - 47580 "
Cece	1 - 3 Fr.	61891- 61892, 101254
Coe	2, 4, 6, 8 Fr.	52312 - 52314 incl., 63532
D.J.	1, 2	70188, 70189
Jay	1-6 7,8 9,10 11 12 12 Fr.	25395 - 25400 incl. 31416, 31417 47242, 47243 52322 47245 52321
Len .	1, 3 5, 7	38773, 38775 63035, 63037
Mab	2, 3, 4 Fr. 5, 6, 7 Fr.	31282 - 31284 incl. 47693 - 47695 incl.
Moon	1 - 6 7 - 8	25349 - 25354 incl. 25419 - 25420 "
Ros	1 - 8	39211 - 39218 incl.
Rum	1 - 5	38766 - 38770 incl.
Sky	1 - 8	25411 - 25418 incl.
Sun	1, 2	25429, 25430
T.D.M.	24 Fr.	69620
Tom	1 Fr.	101253
Tom	1 - 7	30316 - 30322 incl.
Trish	1 - 8	25333 - 25340 incl.

Claim Name		Record Number		
Val	No. 1 - 4 5 6 7, 8 9 Fr. 10 Fr.	25325 - 25328 incl. 38802 65791 38804, 38805 50953 101255		
Wis	7, 8 9 Fr.	18722, 18723 18724		
Cat	1 - 8	25371 - 25378 incl.		
D.J.	7 - 16 20 - 22 Fr.	70190 - 70199 incl. 70200 - 70202 "		
Glen	1 2 Fr. 3 - 6 8 - 9 Fr. 10 - 13 Fr.	70117 70118 70119 - 70122 incl. 70123 - 70125 incl. 73957 - 73960 incl.		
Moss	1, 2 3 - 8 incl. 6, 8 Fr.	38777, 38778 40456 - 40461 incl. 66625, 66626		
Pro	1 - 4	17329 - 17332 incl.		
Sho	1 - 4 5 - 6 9 Fr. 10 - 13 14 - 20	34912 - 34915 incl. 20593 - 20594 " 34916 34917 - 34920 incl. 38728 - 38734 incl.		
Shoo	23 - 27	63975 - 63979 incl.		
Stad	1 - 8 9 Fr.	38806 - 38813 incl. 40367		
Tom	1 - 3 10 - 14 Fr.	69949 - 69951 incl. 69945 - 69948 incl.		
Wiz	5, 6 10, 11	10673, 10674 20585, 20586		
PН	1 - 8	49514 - 49521 incl.		

LOCATION AND ACCESS

The property is located in the south central part of British Columbia on the southeast side of the Highland Valley at latitude 50° 22' north and longitude 120° 55' west. Excellent base camp facilities are located at the south end of Dot Lake and are accessible by 21 miles of paved and gravel roads from Merritt, B.C.

Bulldozer roads traverse a great portion of the property. Consequently, through the use of light truck and four wheel drive vehicles any segment of the property is readily reached from the base camp.

TOPOGRAPHY, TIMBER AND CLIMATE

The property occupies a plateau area whose elevation lies in the 4,500 to 5,000 ASL range. This plateau area is characterized by a thick blanket of sand and gravel which owe their origin to various glacial processes. The plateau area is dissected by meltwater stream channels which valleys reach depths of 100 - 150 feet.

Less then 5% of the property area is characterized by outcrop and these are primarily confined to creek beds, abandoned meltwater channels and along flank and crest of hills.

Timber is predominantly of lodgepole pine with scattered patches of fir, birch, poplar and spruce. On the whole, the area is easily traversed except for several areas of dense windfall. Parts of the area have been burned over and evidence of more than one forest fire is obvious.

The climate during this year was warm and dry providing good working conditions.

GENERAL GEOLOGY

The Guichon batholith is an elliptical shaped intrusive complex consisting of an assemblage of granodiorite rocks underlying an area of 400 square miles and bounded by the Thompson and Nicola Rivers and Guichon Creek valleys. It is composed of at least five nearly concentric phases of granodiorite with varying textures and compositions which decrease in relative age to the core of the assemblage. Peripheral to this is the hybrid phase which consists of volcanic country rock intruded by and combined with the first phase of Guichon batholith intrusion.

Within the batholith the criteria for the identification of the different phases is purely on textures. The texture of the quartz and mafic mineral grains is the major difference, with grain size considered of secondary importance. Colour index is used for the hybrid rim which is much darker than the adjacent Guichon phase.

The outer and oldest phase is called Guichon. It is characterized by an uneven distribution and ragged crystals. There are often clusters of mafic and quartz grains. The quartz is wedgy and toothlike. It is generally medium grained and mottled pink. The mafics compose a large part of the rock.

The next youngest phase is called Chataway. This rock is characterized by an even distribution, evenly spaced, equarish mafic grains either fine, medium or coarse grained. The mafics can vary from hornblende to biotite,

but are typically hornblende. The mafic grains are predominant in texture and abundance.

The Bethlehem phase is the next youngest in age. It is a bimodal distribution of mafic grains which are not as abundant as in the Chataway.

Poikolitic textures sometimes prevail. The quartz occurs as medium grained anhedral crystals. Generally, this rock is finer grained than the other phases. It intrudes the older rocks in dike form as well.

The Skeena phase is the next youngest and consists of large grains of anhedral quartz and large mafic grains with scattered small grains in the matrix. The amount of mafics has decreased a great deal to less than 8%.

This rock is a transition zone between the Bethlehem and Bethsaida phases.

It intrudes the older rocks in dike form.

The Bethsaida phase is the youngest and is the core of the batholith.

It is characterized by predominent large square grains of quartz accompanied by large, bookish grains of biotite. The mafics are less than 8% of the rock.

A porphyritic texture prevails and the contacts generally contain very fine grained or no mafics. It intrudes the older rocks in dike form.

The above assemblage of rocks is intruded by several types of dikes in addition to the ones already mentioned. These are very fine grained aplites, quartz eye and feldspar porphyries, alaskites, and crowded porphyry.

(Phenocrysts are greater than 60% volume and are very closely spaced).

Ore deposits to date have been discovered in the batholith associated with faulting and major fracturing combined with rock alteration,

and at the contacts of different rock phases.

EXPLORATION METHODS

In order to accurately co-ordinate and integrate all of the previous exploration work it was found necessary to properly locate the whole grid system of control lines and replot the I.P., .E.M., magnetometer, geochemical results and claim and drill hole locations. In addition, the geology was completely remapped guided by up to date research on the Guichon batholith problem. Mineralized areas that appeared to be significant were remapped on a scale of 1" = 100'. Additional I.P. surveys were conducted on part of the property and an additional 1,000' of diamond drilling was done.

At the outset a base map was compiled from aerial photographs of the area showing topography, roads, altitude control, etc., and good accuracy. The above mentioned program was applied to this control with changes being made when encountered during the field work.

PROPERTY GEOLOGY

The optioned group of claims is located on the southeast flank of the Guichon batholith. All of the five phases of the granodiorite are represented on the property in varying degrees. The west part of the property includes part of the Bethsaida core trending generally north-south. Skeena rocks are represented in the central part and Chataway in the eastern part, both with generally north-south trending contacts. In the south part of the property

Bethlehem dikes are seen and to the extreme southeast Guichon is seen.

These latter two phases are exposed on surface to a much lesser degree than the other three phases.

Dikes of Bethsaida, Skeena and Bethlehem were observed as well as aplite, quartz eye and feldspar prophyry and crowded porphyry dikes. Other than the mineralized areas especially mentioned below, sparse amounts and widely separated copper mineralization was seen at various locations on the property, but was not considered significant. Areas of alteration were noted, most of which was mild to moderate degree, except for the Jay 11 area which was the only wholesale type of alteration on the property.

Glacial drift covers much of the property. The trend is N 15° W directed southerly. This is evidenced by eskers, glacial valleys and plains, and alignment of swampy areas. It is depicted excellently on the aerial photographs.

Major linears and possible fault structures could be located in Roscoe Creek trending north-northwest, the No. 1 of the Three Creeks area trending north-northwest, and Chataway Lake and Creek trending north-northeast (also Twin Dot Creek and Dot Lake). Associated intense fracturing and rock alteration should be an aid to finding ore.

The south end of Chataway Lake is the intersection of two of these faults and is expressed topographically by a large swamp. This depression is a catch basin for sediments and thus a geochemical anomaly is coincident and not unexpected at this location.

ECONOMIC GEOLOGY

Mineral exposures present on the property which are the most noticeable are summarized below:

9216E-92

Jay 11 Area_

Jay 11 area is located at L 278 N, 190 E, and lies just east of the Bethsaida - Skeena contact and in Skeena rocks. The Skeena rocks have been intensely altered and fractured for distances up to 50 feet from the contact. Minor amounts of malachite and chalcopyrite associated with magnetite were noted. A northeast trending fault traverses the exposure and a Bethsaida dike intrudes adjacent to the east of the exposure. In addition to geological and geophysical surveys and bulldozing, four percussion holes were drilled in the immediate area and of these (D-8, D-8B, D-8C, D-8D)

D-8C showed 1917 ppm. Cu. Two diamond drill holes (M 72-3, M 72-4) by Mogul indicated minor copper values only, one hole being drilled under D-8C.

Bob 6 Area

-17

Bob 6 area is located at L 302 N, 207 E, and outcrops along No.3 Creek.

The exposure consists of a N 15° W trending Bethsaida dike about 250 feet wide which intersects Skeena rocks. It is mildly to moderately altered and fractured. Rusty weathering is deep. Widespread, but in small amounts, malachite, pyrite and chalcopyrite were noted. Relogging of drill holes A-1 and A-2 did not improve observations from an ore viewpoint. Percussion holes

drilled in the area showed only background results. No work was conducted here this summer.

Three Creeks Area

- 18

Three Creeks area is located at the junction of three creeks named No. 1, No. 2 and No. 3 and at L 274 N, 225 E. The mineral exposure occurs in Chataway rocks close to and east of the Chataway-Skeena contact. The rocks are moderately fractured with alteration applied to the walls of fracture planes. Rusty weathering is deep. Widespread and sparse amounts of malachite are noted. The exposure is approximately 600' wide.

A series of diamond drill holes (J.S. series) were drilled on this zone without success. Three diamond drill holes numbered Sky 7-1 to 3 were — 62 drilled some 2,000' north to test an I.P. anomaly without success. Percussion hole results in the vicinity were not outstanding. No new work was done in this area.

Northwest Area

Three exposures within 2,000' of each other lie in the northwest part of the property. One at L 333 N, 240 E, is a rusty weathered, moderately fractured exposure containing mild, skin deep alteration, minor specks of malachite and is adjacent to the Roscoe Creek fault. A drill hole M 72-2 by Mogul did not produce positive results. This situation occurs in Chataway rocks just east of the Chataway-Skeena contact.

Another exposure is located at L 325 N, 220 E. This area is moderately fractured with deep rusty weathering, mildly altered and contains minor amounts of malachite. It occurs in Skeena rocks and trends north. Two earlier short diamond drill holes Bo 6 and 7 produced no ore results. The width is approximately 400 feet.

The third exposure is located L 349 N, 220 E, and is a north trending, rusty weathered 500' wide band of mildly altered, moderately fractured Skeena rocks with sparse amounts of malachite noted.

This season no new work was carried out on the last two exposures.

Roscoe Creek Area

- 61

- 158

Roscoe Creek area is located L 278 N, 230 E, just west of Chataway Lake. Considerable spotty malachite is present in Chataway rocks which are mildly altered, moderately fractured and are adjacent to the Roscoe Creek fault and east of it. Two adits have tested this exposure with no success. No new work was carried out here.

Chataway Lake Area

This area is located south of Chataway Lake. Several diamond drill holes tested I.P. conductors in a series of holes numbered C and CS.

Chataway rocks under gravel overburden were encountered. These are relatively fresh with sparse and minor specks of malachite present. This occurs south of the junction of Chataway Lake and Roscoe Creek faults.

Mogul drilled a vertical hole (M 72-1) to a depth of 328 feet in overburden to test the only definite I.P. conductor obtained during the recent survey.

No success was achieved in this area to date.

Moss 4 Area

Moss 4 area is located L 206 N, 220 E. Bulldozing has uncovered rusty weathered and moderately altered rocks in Chataway close to the Skeena-Chataway contact. Boulders by the trenches showed bornite and chalcopyrite in quartz veins, however, none were seen in place. An earlier diamond drill hole (Moss 4-1) did not intersect ore.

Sho 11 Area

Sho 11 area is located on Twin Dot Creek at L 144 N, 290 E. A northeasterly trending Bethlehem dike 500 feet wide and tapering intrudes the Chataway rocks. The west contact has been exposed by bulldozing.

Moderate alteration along the fracture planes has occurred and malachite can be observed over an area of about 600 ' x 250' with scattered sparse amounts around the periphery of this area. Diamond drill holes in the series numbered SS have investigated this exposure and several percussion holes were drilled on it, all with no positive results. No new drilling was carried out this season.

Shoo 23 Area

The Shoo 23 area is located 2,000 feet east of Twin Lakes and on the Chataway boundary. Much bulldozing has been done and revealed minor amounts of malachite that are widespread in fresh Chataway rocks. No new work was done here.

- 60

- 20

In the extreme southeast part of the property sparse and minor occurrences of malachite in Guichon rocks were seen. This occurred just south of the Guichon - Chataway contact. The rocks are moderately fractured in places and hardly altered at all.

RESULTS OF EXPLORATION

The objective of correlating all previous exploratory work and presenting this information accurately was achieved. Maps illustrating this information accompany this report. The results of this year's work are being studied and evaluated and hopefully a working hypothesis can be formulated to guide next year's exploration of the large untested segments of the Chataway property. It is quite obvious that diamond drilling will be required to effectively test those potential areas for copper mineralization.

The diamond drilling embarked upon this season was aimed at providing information to guide any possible future drilling program on this property.

Respectfully submitted,

J. G. Willars, B.A.Sc., P. Eng.

New Liskeard, Ontario.

October 10, 1972

CERTIFICATE

THIS IS TO CERTIFY THAT:

- I am a graduate in Mining Geology from the University of Toronto in 1951, and I hold the degree of Bachelor of Applied Sciences and I have been practising my profession continuously for the past twenty-one years.
- I am a member in good standing of The Association of Professional Engineers of Ontario, and I reside and hold office at 127 Lakeshore Road, New Liskeard, Ontario.
- 3. I have no direct, indirect or anticipated interest in the properties mentioned in this report nor in the securities of the Company to which they belong.
- 4. My report is based on research of available information, field mapping conducted on the property during the months of June to September, 1972, and my experience in the mining exploration business.

J. G. Willars, B.A.Ss., P. Eng

New Liskeard, Ontario October 10, 1972

Canada

Province of

In the Matter of

a geological report on behalf of Chataway Exploration Co.Ltd. (N.P.L.)

M. H. Sanguinetti I.

401 - 550 Burrard

, of the Street

Chataway Exploration in the Province of Co. Ltd. (N.P.L.) of British Columbia Do Solemnly Declare that a geolgoical survey was conducted on the Trish, Sky, Cat, Sho, DJ and Sob Groups in the Kamloops and Nicola Mining Divisions. These claims are located in the Highland Valley in the

vicinity of Chataway Lake. The work was conducted during the period June 15th, 1972 to October 15, 1972 during which time the following expenses were incurred:

1.	Wages J. Willars, P.Eng., Resident Geologist June 15 - Oct.15 (4 mo @ \$1400/mo)	••••	5,600.00
	C.Jessup, Assistant June 15 - Oct.15 (4 mo @ \$750/mo) Plus CPP, UIC etc		3,000.00 31.24
	M.Sanguinetti, Geologist 11 1/2 days (field) during the period June 15 - Oct. 15 @ \$125/day		1,437.50
2.	Travel, food, miscellaneous field supplies and equipment	•••••	4,330.74
3.	Equipment Rental on property	• • • • • • • • • • • • • • • • • • • •	1,282.93
4.	Report, data compilation, draughting, f	iling	3,293.66
5.	Consulting; interpretation; field super	vision	
	Cordilleran Engineering Limited June 15 - September 30	•••••	1,519.38
		TOTAL	\$20,495.45

And I make this solemn Declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath, and by virtue of the Canada Evidence Act.

Berlared before me

in the Province of \$3.6

this

nd for the Province of British Columbia. taking Affidavits for British Columbia.

Sub-Mining Recorder

Dated

19

In the Matter of

Statutory Declaration

WILLIAMS & MACRIE 23B. Printers and Stationers Form No. 47 . WEST. <u>EAST</u> L 238 N 263 E ____SURFACE 4575 (-90°) Department of Mines and Harroleum Resources ASSESSMENT REPORT NO 4050 MAD #4 - WATER 175" -WATER 263' PROFILE SECTION M72-1 CLAIM MOON 7 (LOOKING NORTH) INTERNATIONAL MOGUL MINES Awillara Thank CHATAWAY OPTION, B.C. SCALE : 1 " = 40" 328'

DIAMOND DRILL LOG

D. D. HOLE NO. # 72 - 1

P	A	G	Ε	1	ı

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LOCATION.	Chat	away	Mines	3, B.(laim	Moon	7
		T -	A-0 22			-		

PROPERTY INTERNATIONAL MOGUL MINES LID.

ELEV.____ none BEARING_

DEPTH OF HOLE 3284 STARTED Dept. 11,1972. COMPLETED Sept. 15,1972. DRILLED BY Connors Drilling Core Size TWCH

DIP		<u>-90°</u>			
FROM	το	DESCRIPTION	SAMPLE NO.	CORE FT.	
0	328*	OVERBURDEN			
		Tricone bit drilling through overburden. water encountered at 175. water encountered at 263. that had a flow of 20 gallons per minute which washed out the mid walls consequently causing cave. Mods broke leaving 110. in the hole. Hole broke in and was lost. No bedrock acheived. Hole abandoned.			
	3284	END OF HOLE			
	^	· /· · /			
			•		
				Ì	
	<u> </u>				
	اريوصو	Cillaro			
<u> </u>	for				<u>, </u>

N. 15" W ...

L 35,874 N 24079 E

SURFACE 4950

1 ~ 46° (d)

FAULT CHILDREN WAS ARRESTED BY

Department of

Mines and William Resources

AULI SULLIT REPORT

NO 4050 MAP#5

PROFILE SECTION M72-2 CLAIM SKY I

ELOOKING CAST!

INTERNATIONAL MOGUL MINES LTD. CHATAWAY OPTION, B.C.

SCALE: 1 7 40"

Alwiller

Alicellary

INTERNATIONAL MOGUL MINES LTD.

PAGE 1

LOCATION Chataway Mines, B.C Claim Sky 1

COLLAR: LAT. L 33874 N

moved 81 west and parallel 21,079 DEP...

1950 ASL

ELEV. 150 W BEARING.... - 16° 10° N

197 DEPTH OF HOLE_ STARTED Sept. 16,1972. COMPLETED Sept. 18,1972.

DRILLED BY Connors Drilling Core Size EQWL

FROM	то	DESCRIPTION	SAMPLE NO.	CORE FT.	
0	124	CASING			
12:	71.	Medium to coarse grained granodicrite with square mafice (chiefly hornblende, minor biotite) up to 2" size with an even distribution of grains. From 12'-25.5' there is surface weathering and fracturing which gradually diminishes with depth. The top 5' may be mildly altered From 25.5'-71' it is fresh Chataway with joints at 60° and 45° to the core axis. Predominantly grey feldspar, some pink aplite 56'-56.8' and other scattere 4" and ½" aplite mostly at 60° to the core axis. There is a ffint semblence to gneissoscity in the mafic grain arrangement, at 30° to the core axis. There are irregular fine fractures along the core axis or at small angles to it. These are filled with carbonate, chlorite sparse epidote.	i•		
71•	1304	CHATAWAY As above but fine grained mafic grains. Near the bottom this section the mafics grade to medium grained texture Jointing is at 15° and 60° to the core axis. 2" aplites occur sparsely and at 80° to the core axis. Sparse fine fractures occur along the core.			
130	1534	CHATAWAY Medium grained rock altered in part with a greenish and pinkish coloured hue. More fratures along the core than above which are filled with quartz up to 1/8" size			
153*	160•	rAULT rrom 153'-156' sand seam. From 156'-160' brecciated Chataway with quartz-carbonate filling and red hematite stain.			
160+	1971	CHATAWAY Medium to coarse grained mafics as at the top of the hole. Sparse aplite stringers (some may alaskite or Bethsaida pprphyry contact type rock). At 190° ½ serpentine on slip. Some chlorite on fracture and joint planes.			
	1971	₽ND OF HOLE.		Alle Se	lles

PROPERTY INTERMETIONAL MOOUL MINES LID. Chataway Mines, B.C.

PAGE 2

FROM	то	DESCRIPTION	SAMPLE NO.	CORE FT.	
		SLUDGES: 28 - 38 38 - 50 50 - 60 60 - 70 70 - 85 85 - 97 97 - 107 117 - 127 117 - 127 127 - 137 137 - 117 117 - 158 158 - 167 158 158 stored at Chataway core house.			
				Plan	illara

SIGNED

JACK G. WILLARS B.A.SC., P. ENG.

PROPERTY

INTERNATIONAL MOGUL MINES LTD.

PAGE 1

LOCATION Chataway Mines, B.C. Claim Jay 11

COLLAR: LAT. L 27718 N

DEP. 18935 measured from L 274 N

ELEV. 5130 ASL

BEARING S 500 E

DIP - 470 S

STARTED Sept. 18,1972
COMPLETED Sept. 20,1972
DRILLED BY Connors Drilling
Gore Size BOWL

FROM	то	DESCRIPTION	SAMPLE NO.	CORE FT.	
0	204	CASING:			
20.	52.5	SKENNA GRANODICRITE Chiefly a hard, medium to coarse grained granitic rock with rounded quartz eyes, minor mafics - sparse hair line seams of white carbonate. From 39'-11' there are se 1/8" irregular seams of hematate and carbonate. The main rock is greenish in colour with red feldspar spotty sections. From 20'-31' rusty weathering on fracture planes. Minor alteration and sparse patches of more inte alteration(soft, chalky). At 144' there is 2" of pink calcite and quartz.			
52 . 54	125*	SKEENA This is the xsame rock but with wholesale alteration. It is bleached green in colour with bleached red feldspar spots, much softer and powdery. Some chlorite alteration spots. Lost core from 102'-107', 117.58-119'.			
125	2224	Medium grained granitic rock with sparse numbers but definite square quartz eyes. Some spotty chlorite alteration, leucoxene and hair lines of carbonate. Potash feldspar more predominant. Hematite on the fractures. Large squarish chlorites - alteration of the mafic grains. Harder rock than the above section. Perhaps close to contact of Skeena and Beths aida. rAULT at 186'-195' This is the same rock brecciated and scaled with pink and white carbonate. Some heulendite on the fracture planes. In the main rock there is sparse very fine grained magnetite. Lost core from 128'-129',130'-131', 132'-133',13h'-135', 138'-139', 138'-143', -198'-201', 205.5'-207'.			
	222*	END OF HOLE.			

PROPERTY

TO

FROM

INTERNATIONAL MOGUL MINES LTD.

PAGE _ રુ હેવા SAMPLE NO. CORE DESCRIPTION 0.02 SIUDGES 27 - 37 -37! - 47! 47! - 57! 0.01 0.005 6.005 57 = 67 1 0.005 671 - 771 0.02 77+ - 87± 0.01 871 - 971 0.01 974 - 1074 0.005 107 - 117 0.01 117* - 127* 0.005 127 - 137* 0.01 137 - 144* 0.025 144 - 147* 0.01 1474 - 1524 152 - 155 0.02 0.02 1554 - 1604 0.015 160! - 165! 165* - 1701 0.01 0.015 170 - 175 175! - 180! 0.01 0.015 1801 - 1851 185+ - 190+ 0.01 1901 - 1944 0.025 194 - 2014 0.02 0.015 2014 - 2114 0.02 211: - 222:

SIGNED.

JACK G. WILLARS B.A.Sc., P. ENG.

The Illaso

. 5 50° E &

L-27716 N 10235 1

(-477)

SURFACE SING

Department of

Mines and Pointhum Resources

ASSESSMENT REPORT

Thewillers

PROFILE SECTION M 72 - 3

JAY II CLAIM

(LODKING NORTHEAST)

MOGUL MINES LTD. INTERNATIONAL

CHATAWAY OPTION, B. C.

5 85° E

L 27950N 19435E

0 -80

\$UMFACE 5150"

OVERBURDEN

1917 PPW CU

Department of

Mines and Patroloum Resources

ASSESSMENT REPORT

NO 4050 MAD #7

PROFILE SECTION M72 - 4

CLAIM BOB 2

(LOOKING NORTH)

INTERNATIONAL MOGUL MINES LTD.

CHATAWAY OPTION, B.C.

SCALE: 1 "1 40"

Cawillan

Alle Mars

PROPERTY LITERATIONAL MICUL MIES LID.

PAGE 1

LOCATION Chatevery Farnes, BeC. Clean Bob 2 COLLAR: LAT. 4 27950 3

COLLAR: LAT. 1070003

DEP. 107003

ELEV. 1070 A.1

BEARING 5 100 E

DEPTH OF HOLE 253 COMPLETED COMPLETED COMPLETED CONTROL 19931110 COMPLETED STATES 1993110 COMPLETED STATES

DIP.					
FROM	то	DESCRIPTION	SAMPLE NO.	CORE FT.	
0	18*	CALLED			
284	240	Locality to coarse grained rock containing pink crthodias and groy plagiculase in the reas with quarts eyes, some sparse grains of square shaper quarte, recongular and aquarish radies in large scattered frames, white planes at 15° and 60° to the core acts. Try alteration bales in 18° and 60° to the core acts. Try alteration bales in come at 18.5° and 60° to the core acts. Try alteration bales in character at 18.5° and 60° to the core acts they alteration bales. At 30.1° vary 3° shear with relability flocks. At 30.1° vary 3° shear with relability flocks. At 30.1° vary 3° shear with relability flocks. At 30.1° arctimate at 60° - dark red or purple colous scratches red - heratite. Liny specks of manufalts scattered sparsely through the core. From 51°-59° specimen same for character - speck of chalconymits analysists at 50°3° and 3/1° and search search inclination. Trains and soland. Earline currently alteration. Anorehism to come. From 50°-100° breases to come. From 100°-100° breases to come. From 100°-100° breases alterations. At 100° explorate stringers. From 117°-171° mild endette alteration coming in. From 117°-171° fall of come at 30° to the core axis.			
2101	253 •	Fine grained pink groundness with envorse quarts eyes and bookish biotite, alters: rock - soft, chlorite, epideto, assembles the contact rock of the detherida intrudve, probably a dike from the main body.			
	253 •	SCD OF HOLE.			

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FROM	то	DESCRIPTION	SAMPLE NO.	CORE FT.	\$ C ₀
		SIND GES: 21 - 31 31 - 11 11 - 11 11 - 11 11 - 11 11 - 11 11 - 11 11 - 11 11 - 11			0.02 0.02 0.02 0.02 0.02 0.02 0.025
		111' = 1.1' 121' - 121' 131' - 131' 131' - 131' 131' - 131' 131' - 131' 131' - 211' 221' - 221' 221' - 231'			0.03 0.035 0.025 0.01 0.02 0.03 0.03 0.15 0.03
		211 - 253 -			0.05 0.05 0.06
	3				

SIGNED_

JACK G. WILLARS B.A.SC., P. ENG.





