826658

INTERIM REPORT

ON THE

DIAMOND DRILL PROGRAM

OF

GOLD RIVER MINES LTD. (N.P.L.)

BOULDER MOUNTAIN PROPERTY

April 4, 1973
Vancouver, B.C.

L. Sookochoff, P.Eng.,
Consulting Geologist

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INTRODUCTION

The following report deals with the diamond drill program on the Boulder Mountain property of Gold River Mines Ltd. (N.P.L.) which was initiated in November of 1972. The drilling was concentrated on the South Copper Showing where, in addition to the hi-grade chalcopyrite surface exposures, an extensive geophysical anomaly occurs. 13 holes for a total of 3,203 feet were drilled on the zone. 562 feet of drilling in five holes was also completed on the Mid Copper Showing. The program was shifted to the lead-zinc-silver showings on the Cousin Jack Crown-grant were two machines are presently drilling.

PROPERTY

The property is comprised of 76 located and Crown-granted claims and are as follows:

CLAIM NAME	RECORD NUMBER	EXPIRY DATE
Pit 1-2	29014-29025	October 21, 1974
Pit 3-6	33776-33779	June 18, 1974
Hope 1-2	29022-29023	October 21, 1974
Hope 3-24	33754-33775	June 18, 1974
J.M. 1-2	28204-28205	September 1, 1974
Hawk 1-4	29026-29029	October 21, 1974
Rex 1-4	33780-33783	June 18, 1974
Worth 1-8 Fr.	348153M-348160M (Tag No)	November 3, 1973
Mug 1-16	38282-38297	October 24, 1973

Crown Grant Name	Lot No.	Mineral Lease	Expiry Date
Cousin Jack	L263	M-82	February 13, 1974
Ymir	L264	M-83	June 24, 1974
Morning	L265	M-83	June 24, 1974
Oskkosh	L266	M-83	June 24, 1974
Winnibago	L267	M-83	June 24, 1974
Black Bird	L268	M-83	June 24, 1974
Berlin Fraction	L269	M-83	June 24, 1974
Freddie Burn	L270	M-84	June 24, 1974
Constitution	L282	M-87	December 18, 1974
International	L283	M-87	December 18, 1974
Anaconda	L373	M-83	June 24, 1974

The claims are held by location and the Mineral Leases are registered in the name of Gold River Mines Ltd (NPL).

LOCATION AND ACCESS

The claims and Crown Grants are situated on Boulder Mountain four and a half miles northwest of Tulameen and west of Otter Lake.

The property is accessible by a three-mile four-wheel drive road cutting off to the west at Mile 20.5 of an all-weather gravel road originating at Princeton, B.C. Tulameen is at Mile 17 on this secondary road.

HISTORY OF PROPERTY

Since the early 1900's when claims were Crown-granted on the lead-zinc zone and on the present South Copper Showing, the property has been periodically explored and examined for its potential. The original work consisted of pits, open-cut trenches and adits on known mineralized zones. Although considerable mineralization was discovered, including hi-grade zones, the property was proven to be uneconomical at that time.

The following years through to 1970 saw a number of individuals and companies interested in further exploration of the property.

Since 1970,Gold River Mines Ltd. (NPL) acquired the Crown-granted claims, staked a number of claims adjacent to the original property, and initiated an active exploration program of trenching, geophysical surveys and diamond drilling.

REGIONAL GEOLOGY

The Nicola Group of rocks underlying Boulder Mountain and trending in a belt eight to twenty-five miles wide from

the U.S. border to beyond Kamloops Lake is comprised of vari-colored lavas, argillite, tuffs, limestone, chlorite and sericite schists. The Coast Intrusives are usually peripheral to this belt and are also found as stocks or plugs within the Nicola Group. More recent formations of sedimentary rock as well as stocks or plugs of Copper Mountain Intrusives also occur within the Nicola Group.

Large scale north trending faults cut the Nicola rocks and these structures are believed to have provided the means for deposition of the many mineralized zones that are scattered throughout the area.

The Boulder Mountain property is situated adjacent to the Otter Lake Fault which projects through to Copper Mountain nine miles south of Princeton where past and present production has been significant.

LOCAL GEOLOGY

The claim group predominantly covers an area of greenstones (altered andesite flows) of the Nicola Group of rocks. Locally the greenstones are sheared to the degree where they can be described as a chlorite schist.

Variations of an augite porphyry also occur on the property. A Coast Intrusive granodiorite occurs along the eastern portion of the property. Adjacent to the granodiorite and trending north is a shear zone which is upto 500 feet wide and which contains schists ranging from chlorite to talc-sericite. This major shear zone is usually moderately pyritized and locally contains northerly trenching quartz veins which may be mineralized.

Other similar narrow shear zones are scattered throughout the property and usually contain narrow random stringers and blebs of quartz. These local shear zones are well pyritized.

Drill holes on the South Copper Showing have revealed the presence of underlying schist zones which are usually well banded and heavily pyritized. Intercalated narrow usually heavily pyritized sections of flow breccia also occur.

Narrow quartz stringers, generally devoid of mineralization other than in the copper zone, are quite common. The quartz stringers are commonly oriented along flow bedding planes, which dip from 10^{o} to 20^{o} to the west, although

random quartz stringers do occur.

Coincident hematite and epidote alteration, occurs as a halo around the pyrite mineralization. This is especially evident in hole 73-12 where pyrite is generally absent although hematite and epidote are ubiquitous. This would suggest a peripheral alteration zone of the heavy pyrite mineralization as outlined by the I.P. anomaly. This effect is also manifest on a minor scale in drill holes within the core of the I.P. anomaly.

MINERALIZATION

The mineralized zone on the South Copper Showing as indicated by the drilling to date varies from one foot to seven feet wide, of chalcopyrite bearing quartz veins. The individual quartz veins within a zone are generally less than six inches wide and contain varying ratios of pyrite and chalcopyrite occurring as patches, veinlets or disseminations. The pyrite and chalcopyrite are intimately associated.

The continuous zone of mineralization dips from 10^{o} to 20^{o} to the west with its surface expression occurring in the trenches 200 feet east of the baseline. The

surface showings contain considerably less quartz than the sub-surface zone which especially in the hi-grade chalcopyrite at L 19 + 50 N 1 + 50 E where quartz is virtually absent. 500 feet west of this exposure in hole 73-14 the zone contains heavy sulphide mineralization, the bulk of which is pyrite.

On the Mid Copper Showing the sub-surface extension of the mineralized zone was traced, however, there was a pronounced decrease in chalcopyrite mineralization. The zone is not as well defined as the South Copper zone.

DRILL HOLE ASSAYS

Drill Hole No. South Copper	Footage (Feet)	Assay % Cu.
72-1	1-110	1.47
72-4		0.28
73-1	12-19	1.29
	145-150	0.15
73-2	32.5-42.5	0.08
	42.5-48.5	0.28
73-3	54-59	1.74
73-8	8-13	0.70
73-10	14-19	0.30
73-13	68-73	0.43
	101-106	0.11
73-14	117-122	0.11

Mid Copper

73-4	29.5-34.5	0.04
73-5	31-36	0.31
73-6	9-14	0.01
73-7	1-6	0.21

DRILL HOLE RESUME

South Copper

72-1 110'

Narrow chalcopyrite bearing quartz veins and heavy disseminations pyrite in a silicified greenstone.

72-4 452'

Mainly porphyritic greenstone with heavily pyritized schist from 314-335. Light to moderate pyrite in greenstone. Local hematite and epidote. One foot granodiorite dyke; 4" diorite dyke. Quartzitic section 115-125.

73-1 200'

Mainly porphyritic greenstone with local sections of heavy pyrite in flow breccia and schist. 12' - 19' chaclopyrite in quartz carbonate veins.

73-2 163' 167'

Mainly porphyritic greenstone with light and local moderate pyrite. Sections of tuffaceous andesite with moderate pyrite. Quartz-carbonate zone with chalcopyrite at 36-49.

73-3 171'

Porphyritic greenstone with sections of schist and tuffaceous andesite bearing moderate to heavy pyrite. Quartz-carbonate veins with heavy chalcopyrite at 54-59. Quartz-carbonate veins with pyrite at 44-54.

73-8 297'

Mainly porphyritic greenstone with light pyrite and sections of flow and schistose breccia and tuffaceous andesite with moderate pyrite chalcopyrite in quartz-carbonate at nine feet.

73-10 564'

Mainly porphyritic greenstone with occasional light pyrite. Sections of tuffaceous andesite, flow breccia and silicified greenstone with moderate pyrite. Gabbroic dyke at 325-330. Lamprophyre dyke at 365-367. Sections of hematite and epidote. Chalcopyrite in quartz-carbonate veins at 15-17.

73-12 253'

Mainly porphyritic greenstone with intervals good hematite and epidote alteration. Moderate pyrite at 50-52', 83-85'.

73-13 357'

Mainly porphyritic greenstone with occasional light to moderate pyrite. Chalcopyrite in quartz-carbonate veins 68-73.

73-14 366'

Mainly porphyritic greenstone with occasional light to moderate pyrite. Heavy pyrite and light chalcopyrite in quartz-carbonate veins at 117-122.

Mid Copper

73-4 129'

Silicified greenstone, schist and breccia with light pyrite. Aplite dykes. Sulphides in quartz-carbonate veins from 13 to 32'.

73-5 147'

Silicified greenstone, schist and breccia with occasional light pyrite. Aplite dykes. Siliceous zone at 30.5 - 35.5. Light hematite.

73-6 134'

Silicified greenstone, schist and breccia with occasional light pyrite. Light hematite.

73-7 109'

Silicified greenstone and schist. Light hematite and epidote. Chalcopyrite and disseminated pyrite at 1-6'.

CONCLUSIONS

Diamond drilling on the South Copper Showing to date has disclosed a zone of chalcopyrite mineralization up to seven feet wide, dipping from 10^{o} to 20^{o} to the west, over an area of 1100 by 600 feet.

Minor silver values are associated with the chalcopyrite.

Gold values are negligible.

Chalcopyrite mineralization decreases to the south, west and north of the surface exposures.

Hematite and epidote alteration marks a border of the anomolous area to the south with only a localized pyritic expression of the mineralized zone.

A lesser degree of chalcopyrite mineralization occurs in the drill holes to the west and north, although this can be localized.

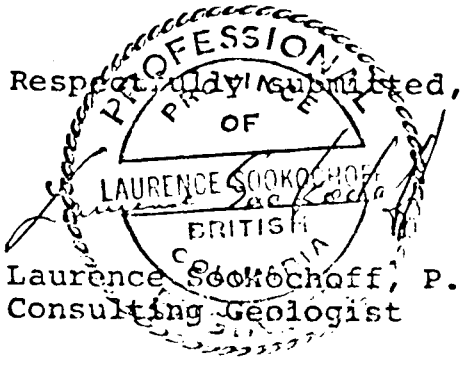
RECOMMENDATIONS

It is recommended that the diamond drill program be continued on the South Copper Showing to further delineate the copper bearing zone. The program should consist of three or four shallow holes to the west, north, and northeast approximately 300 feet from the fringe of the anomolous zone.

Two deep holes should also be put down within the zone. One deep hole in the centre of the zone to test for a possible increase in chalcopyrite content at depth. The second deep hole should be drilled to the west of the I.P. anomaly to test for a possible increase in chalcopyrite content.

Diamond drilling should also be carried out to test other anomalies within the property.

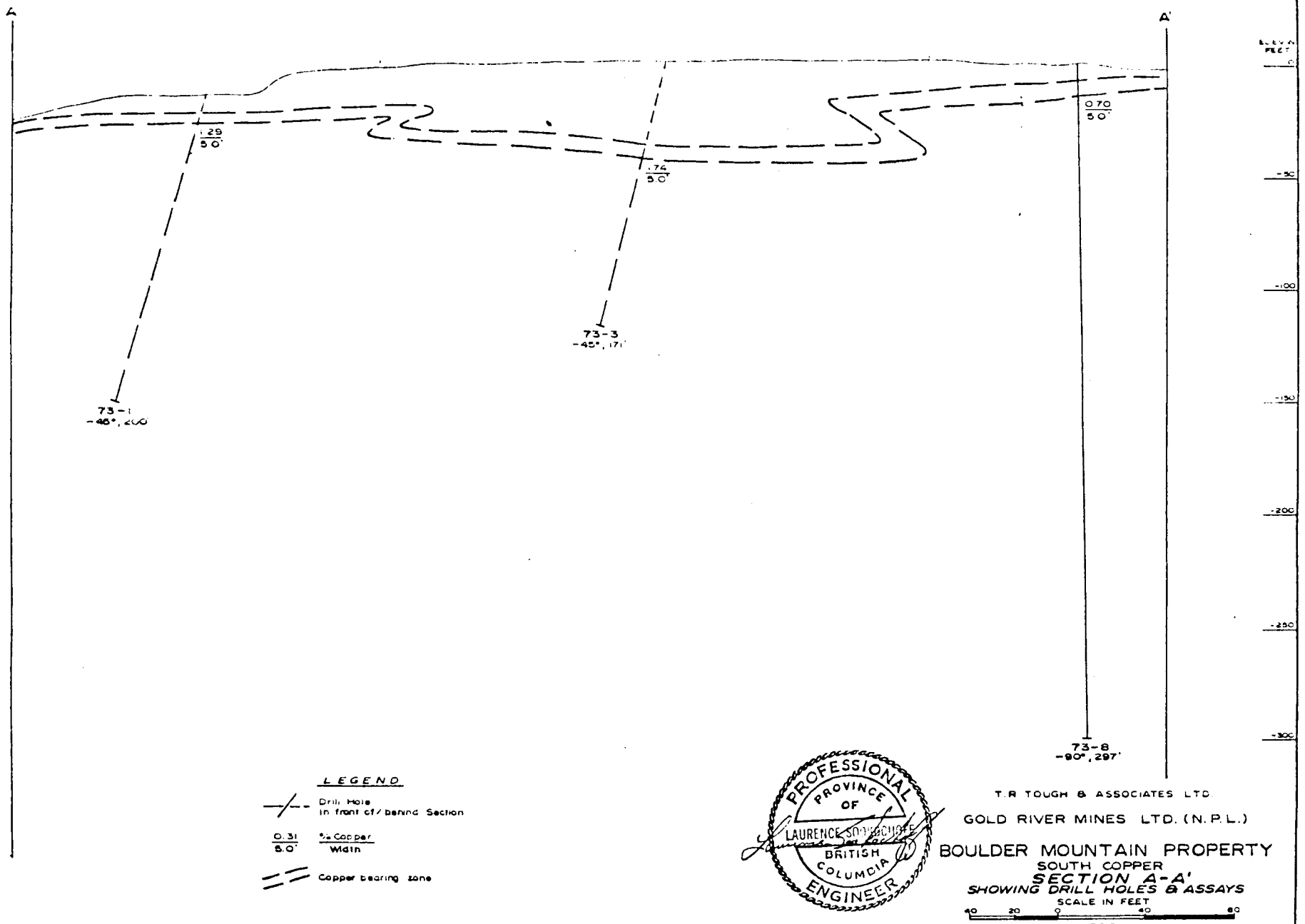
Respectfully submitted,



Laurence Sookochoff, P.Eng.
Consulting Geologist

April 4, 1973

VANCOUVER, B.C.



LEGEND

Drill Hole in front of / behind Section

0.31 / 5.0' — % Copper / Width

Copper bearing zone

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BOULDER MOUNTAIN PROPERTY

SOUTH COPPER

SECTION A-A'

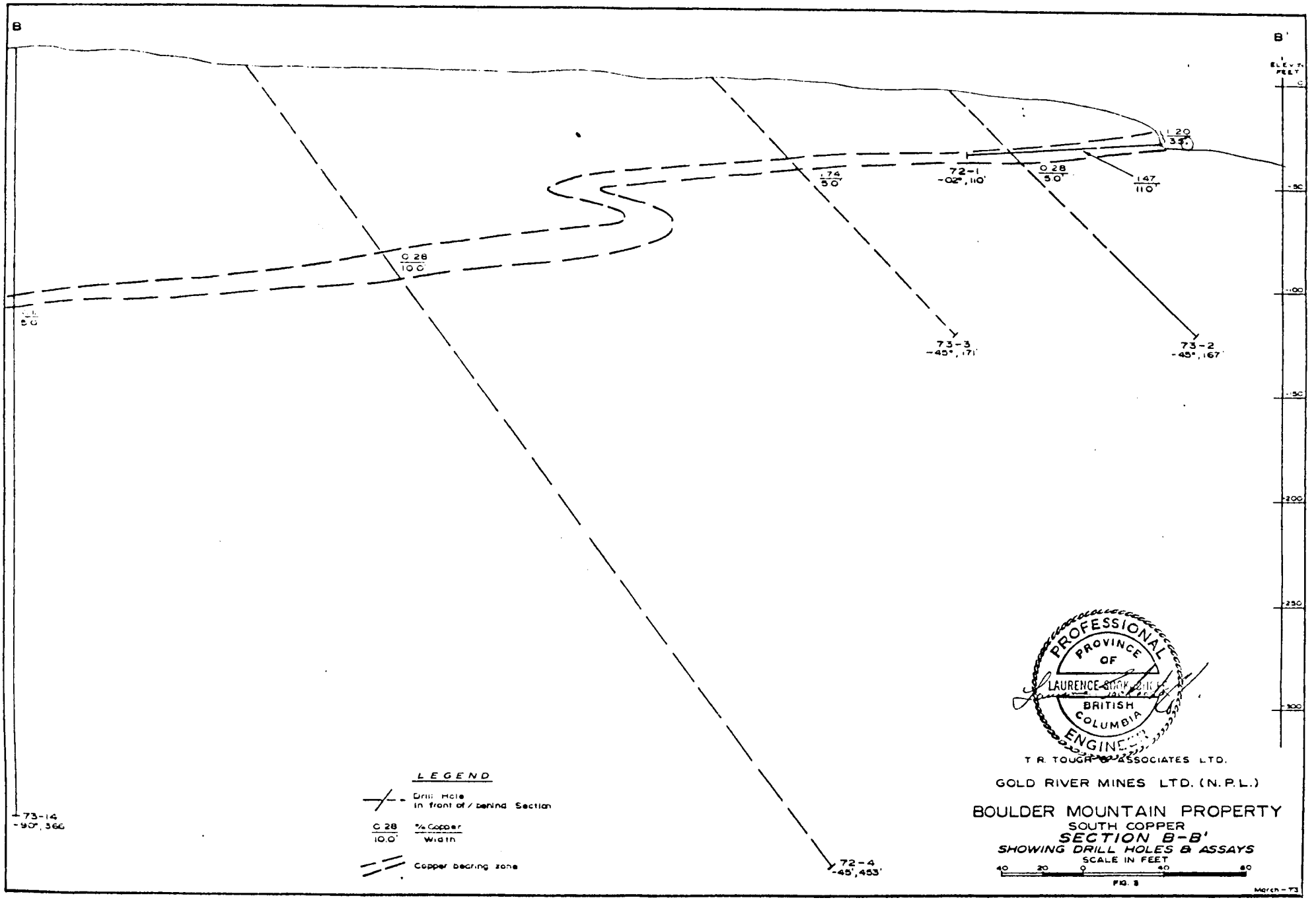
SHOWING DRILL HOLES & ASSAYS

SCALE IN FEET

40 20 0 40 80

FIG 2

March - 73


B
B'
ELEV. FEET
0
-50
-100
-150
-200
-250
-300
1.20 / 35'
0.74 / 50'
72-1 -02°, 110'
0.28 / 50'
1.47 / 110'
0.28 / 100'
73-3 -45°, 171'
73-2 -45°, 167'
72-4 -45°, 453'
73-14 -90°, 366'
LEGEND
Drill Hole in front of / behind Section
C 28 / 10.0' % Copper / Width
Copper bearing zone
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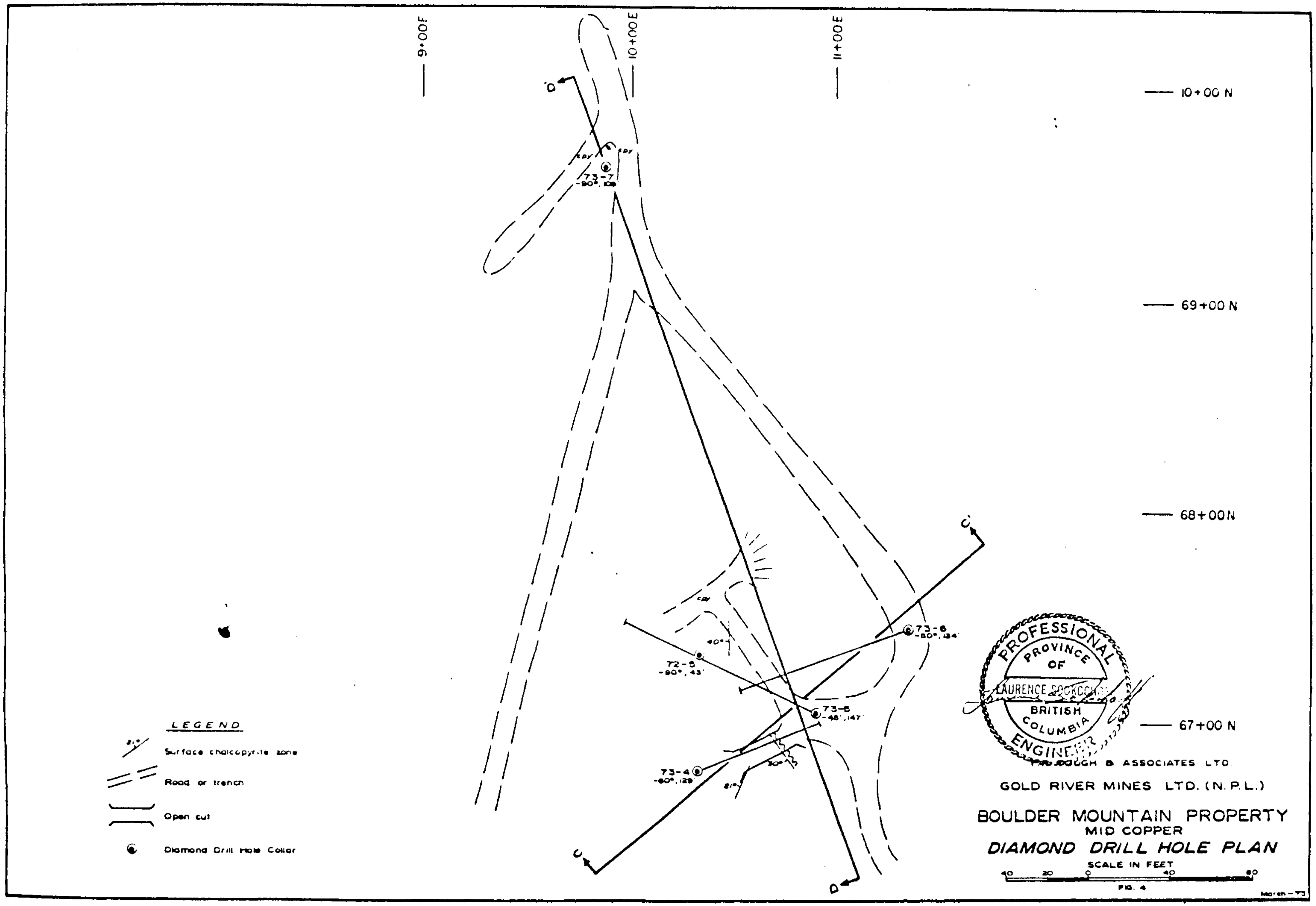
SECTION B-B'
SHOWING DRILL HOLES & ASSAYS
SCALE IN FEET
40 20 0 40 80
FIG. 8
March - 73


9+00E
10+00E
11+00E
10+00 N
69+00 N
68+00 N
67+00 N
D
D'
C
C'
cpy
73-7
-90°, 109'
73-6
-60°, 134'
72-5
-90°, 43'
73-5
-45°, 147'
73-4
-60°, 129'
40°
30°
LEGEND
Surface chalcopyrite zone
Road or trench
Open cut
Diamond Drill Hole Collar
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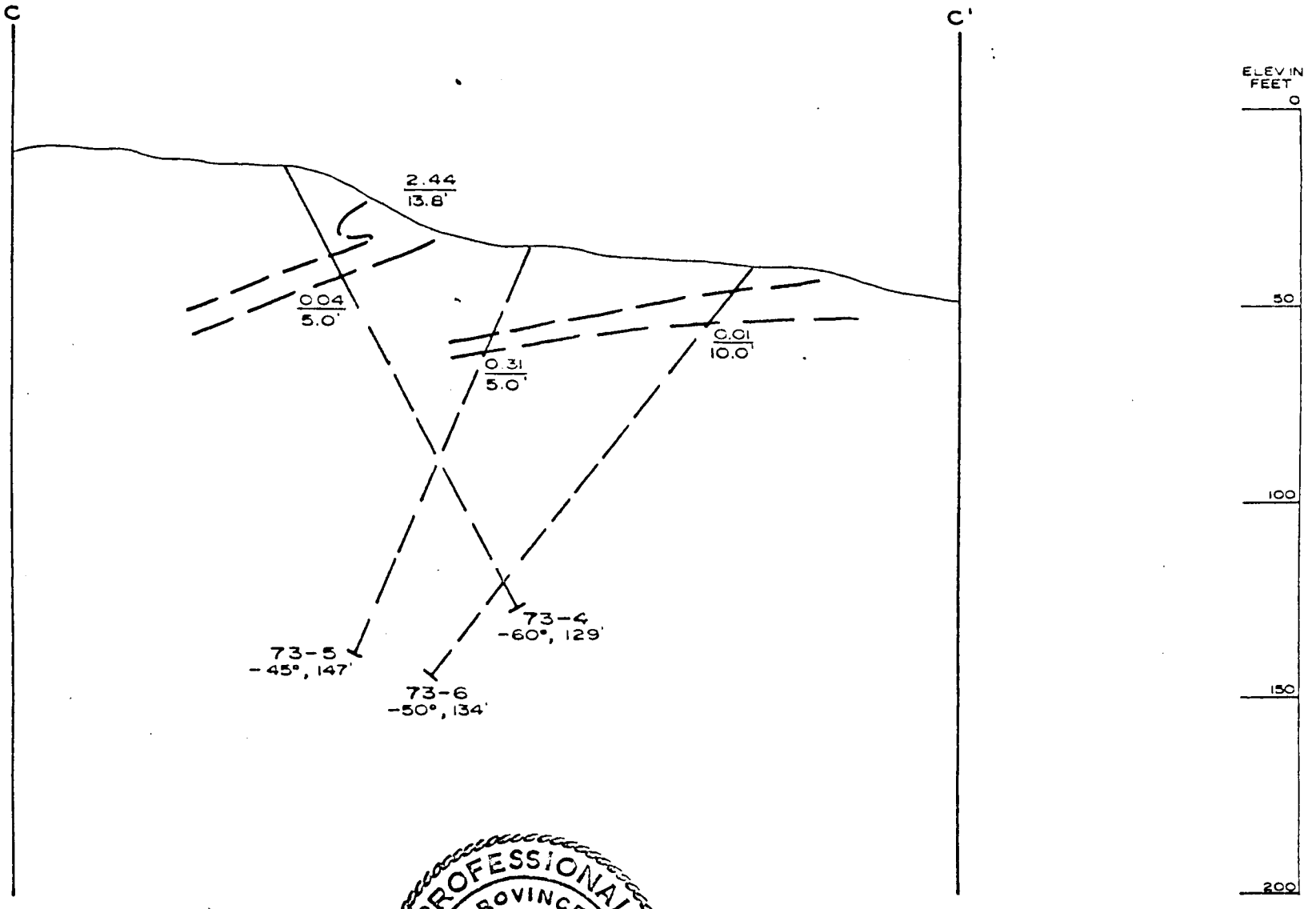
BOULDER MOUNTAIN PROPERTY
MID COPPER
DIAMOND DRILL HOLE PLAN
SCALE IN FEET
40
20
0
40
80
FIG. 4
March - 73



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SECTION C-C'

SHOWING DRILL HOLES & ASSAYS

SCALE IN FEET

40 20 0 40 80

FIG. 5

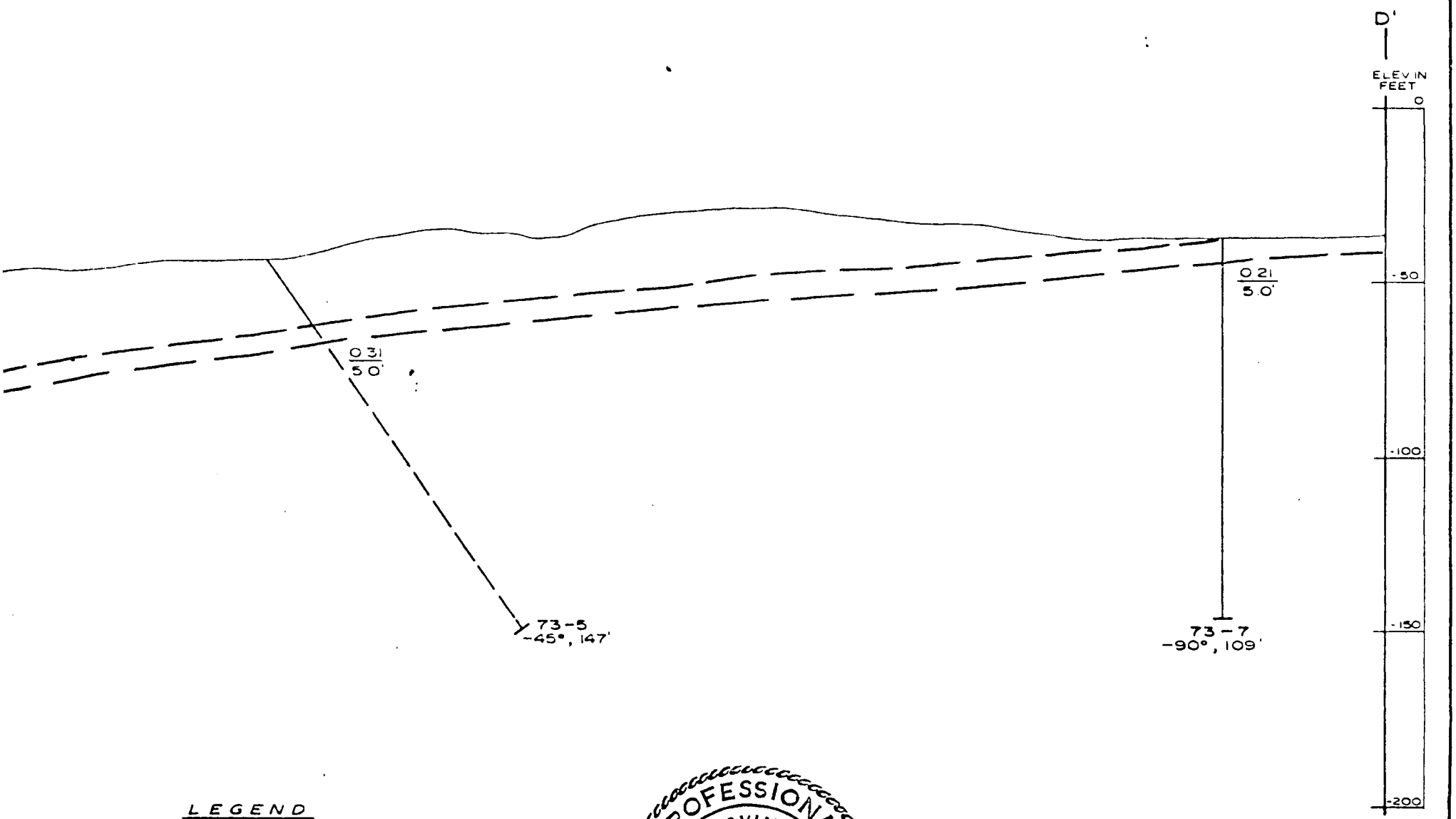
March - 73

LEGEND

Drill Hole
In front of / behind Section

0.31 / 5.0' — % Copper / Width

Copper bearing zone



LEGEND

Drill Hole
In front of / behind Section

0.31 / 5.0' — % Copper / Width

Copper bearing zone

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BOULDER MOUNTAIN PROPERTY

MID COPPER

SECTION D-D'

SHOWING DRILL HOLES & ASSAYS

SCALE IN FEET

40 20 0 40 80

FIG. 6

March - 73

CLAIM NO. .....

DIAMOND DRILL RECORD

PROPERTY Boulder Mountain HOLE NO. 72-1

LATITUDE 21 + 50 N ELEVATION BEARING 250° DEPTH 110' STARTED COMPLETED

DEPARTURE 2 + 40 E SECTION DIP -02° DRILLED BY Gold River Mines LOGGED BY T.R. Tough

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu			
	Nicola volcanics - feldspar porphyry-med grey disseminated								
	pyrite and minor chalcopyrite with concentrations in veins								
	and veinlets, most stringers and veins about 45° to C.A.								
	- fragmentation at 90'--96'								
	72' to end of hole veinlets at rt. L's to C.A.and shallow								
	94-96' 1" stringers nearly parallel to C.A. pyrite and								
	chalcopyrite?								
	End of hole								

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DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY Cousin Jack HOLE NO. 72-4

LATITUDE 21 + 65 N ELEVATION ..... BEARING 126° DEPTH 452' STARTED Oct 8/72 COMPLETED Oct 26/72

DEPARTURE 2 + 85W SECTION ..... DIP -45° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0 - 2'	Casing					
2'-3.3	Porphyritic greenstone - greyish green aphanitic					
Recovery	chloritized matrix. Feldspar phenocrysts usually < ¼" mostly					
50.5%	euhedral; lightly saussuritized - greenish. Fractures oxidized					
	sooty coating at 42°--59°. Quartz stringers 3/8" at 29°					
	50°, 59°. Barren-rare bleb chalcopyrite; epidote patches.					
25'	25' broken 30' pink feldspars 2%					
	35+ distended feldspar phenocrysts - anhedral milky white in					
	a dark green mobitized matrix - yellowish white albitization -					
	5% fine to moderate disseminated sulphides 57' quartz at 70°					
	¼°. Pyrite stringers, Pre quartz at 57°. Fr. at 52°, 58°					
	130' quartz at 65° ½" barren					
	115-125 Quartzitic section 70°-90° (quartz) with massive					
	stringers and patches pyrite.					
	125-135 good disseminated sulphides 94? in porphyritic greenstone.					
	95-102 hematite replacing feldspar phenocrysts; quartz and					
	rhemetamorphism at 40-42°. 155-168 Siliceous greenstone					
	with black euhedral augite? Phenocrysts Lineation at 21°.					
	Fragments at 37°. Light disseminated pyrite.					
	171 Quartz at 69° ½" barren, fragments at 58°. Hematite alteration					

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CLAIM NO..... **DIAMOND DRILL RECORD** PROPERTY..... HOLE NO. 72-4

LATITUDE..... ELEVATION..... BEARING..... DEPTH..... STARTED..... COMPLETED.....

DEPARTURE..... SECTION..... DIP..... DRILLED BY..... LOGGED BY.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	189 quartz col. at 50° ¼"								
	188 epidote								
	185 < disseminated sulphides								
	190 augite porphyry < 3/8" quartz stringers ⊥ to c.a. <<								
	205-210 prolific sulphides								
	224 ½" quartz stringer 25° with blebs pyrite								
	234 rheomorphism at 55°								
	248 contact with siliceous flow and greenstone at 62°.								
	250-252 - greyish black porphyritic andesite. Aphanitic								
	matrix with calcareous quartz ¼" phenocrysts. General								
	lineation at 32°. Stringers at 57°.								
	Light dissemination and blebs pyrite.								
	303 - fragments at 65°								
	304 - good schist at 49o pyrite								
	313-314 Granodiorite dyke - brownish grey; hy p. granular								
	texture; with pink feldspars; contact at 45°?								
	Fragments at 85° to c.a. with patchy pyrite and bornite								
	Chalcopyrite?								
	314-330 good schistose sections with pyrite and								
	albitization. Schistosity at 25°.								

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CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 72.4

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
314-355	Schistose - silicified with prolific pyrite; occasional								
	porphyritic, varying stages of schistosity at 25°.								
	335. Ep. band at 40°								
335-386	Silicified porphyritic greenstone light to moderate								
	disseminated pyrite. Some banding at 40°								
	Green to dark green								
	368 fragments at 82° with calcite								
	361-375 loc. sections of greenstone and dacitic porphyry								
	with Hbl x ls and felspar x ls; epidote patches.								
	379 pyrite stringers at 20-30° and 60°								
386	4" Diorite dyke - 50% mafics - decussate texture - subhedral								
	x l s Hbl in felspathic matrix. Contact? broken								
386-452	Porphyritic greenstone - silicified								
	386-387 ¼" - ½" bar. quartz at 45° - light								
	396 3/8" quartz at 52° -- becoming friable and talcose in								
	fractures. Pyrite at 05°.								
	401-403 locally brecciated with quarts calcite								
	409-418 schistose banding at 35°								
	418-425 andesitic-greenish grey-aphanitic obscure phenocrysts								
	light fragments at 35° spotty albitization								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO.....

DIAMOND DRILL RECORD

PROPERTY ..... HOLE NO. 72.4

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	443 3/8" quartz at 42° bar.								
	END OF HOLE								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY Boulder Mountain HOLE NO. 72-5

LATITUDE 67 ± 35 N ELEVATION ..... BEARING ..... DEPTH 42' STARTED Nov 2/72 COMPLETED Nov 5/72

DEPARTURE 11 + 00 E SECTION ..... DIP -90° DRILLED BY Gold River Mines LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
4-42	Siliceous greenstone - green, hard-aphanitic localized >>					
	siliceous sections.					
Recovery						
66.6%	7.5' 3/4" chalcopyrite stringers at 21° in a siliceous zone -					
	H. sulphides >> pyrite to 12'. quartz carbonate at 35°					
	9-12' 1' broken core					
	4-12' quartz carbonate stringers at 20° and random					
	36-41 siliceous zone at 20° - H. green					
	41-42 << siliceous greenstone					
	40' 1" gouge with quartz carbonate stringers at 15°					
	sulphide at 27°					
	bedding at 20°					
	END OF HOLE					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

PROPERTY Boulder Mountain HOLE NO. 73-1

LATITUDE 00 + 60 E ELEVATION BEARING 110° DEPTH 200' STARTED Dec. 15/72 COMPLETED Dec. 18/72

DEPARTURE 20 + 10 N SECTION DIP -45° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
0-8	Casing								
8-200	Porphyritic greenstone - Greyish dark green								
	massive w/ euhedral-subhedral milky								
	white feldspar x/s 1/8". Lt. disseminated py.								
	usual; occ. absent; mod. sections	1751E	8	12	4.0'				
	12' - 19' massive stringers chalcopyrite								
	12' 2-¼" @ 60°; 15' 1/8"; 15.5' 1.5" @ 44°	1752E	12	19	7.0'				
	w/ q.; 16' 1" w/ qtz @ 55°; 16.5' 1.5" (broken);								
	17' 3/8" @ 64°; 18' 2" @ 48°;	1753E	19	24	5.0'				
	(total 7" cpy)								
	23-24' flow breccia @ 55° sub-rounded	1754E	24	29	5.0'				
	greenish grey frags ½" in a greyish								
	black dense matrix (30°)	1755E	46	51	5.0'				
	27 ¼" q @ 50° w/ ep.								
	31 ¼" q @ 60° w/ py lt cpy blebs	1756E	51	56	5.0'				
	36' ¼" q @ 62° w/ py ep								
	46-55° schistose - banded narrow - disc - w/ py cpy @ 35°								
	52 1-½" q. w/ blebs cpy @ 45°								
	62-68 q @ 35° & 65°								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. .....

DIAMOND DRILL RECORD

PROPERTY .....

HOLE NO. 73-1

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	51-200 siliceous w stringers of qtz @ 30° 45° 60° and					
	random	1757E	111	116	5.0'	
	68-69 pheno's ¼"					
	80-81 broken	1758E	145	150	5.0'	
	82 py. str. ¼" @ 45°					
	92' q. w/ py. @ 48° - 3/8"					
	85-103 occ. local schistosity @ 45° w/ q. str.					
	and very local pyrite					
	108-116 schistose w/ q. banding @ 55° and mod. pyrite					
	lt. cpy					
	127' ½" barren q. @ 65°- other narrow q. str.	1759E	165	170	5.0'	
	from 30° to 65° - siliceous porphyritic					
	greenstone - pheno's usually obscured by silicification					
	145-147 friable zone w/ q. @ 55° mod. py.					
	163' q/ @ 60° crenulated 2"					
	163-171 Schistose banding - disseminated py.					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO..... PROPERTY ..... HOLE NO.... 73-1

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	174-189 broken								
	174-5 brecc'd - healed w/ q. cal								
	176 lt - banding @ 55°								
	189-193 friable gougy w/ occ. q. @ 49° (fault zone)								
	193-200 porph. greenstone fr. @ 39° 84°								
	lt. py.								
	END OF HOLE								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY BOULDER MOUNTAIN HOLE NO. 73-2

LATITUDE 21 + 70N ELEVATION ..... BEARING 110° DEPTH 167' STARTED Dec. 19/72 COMPLETED Dec. 21/72

DEPARTURE 01 + 60E SECTION ..... DIP -45° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
0-11	Casing								
11-52	Greenstone - silicified - aphanitic - greyish green;								
	sections porphyritic greenstone; light disseminated pyrite;								
	ox'n on fr.	1761E	32.5	42.5	10.0'				
	Quartz-carbonate veins or stringers w/ cpy and py @ :	1760E	42.5	48.5	6.0'				
	33' - 0.11' @ 56° blebs & disc. str. epy. py								
	35.9' 0.05' @ 44° lt blebs cpy. py.								
	39.2' 0.02' @ 44° & 76° cpy. & py. blebs								
	42.5' - 0.11' w/ bands of host rock & disc. str. cpy py								
	43.7' - 0.02' @ 43° cpy. py.								
	43.4' - 0.12' @ 43° cpy. py.								
	45.4' - 0.6' @ 44° w/ 0.1' massive cpy & py								
	& 0.5' of splashes and stringers cpy & py								
	48.4' - 0.2' @ 29° cpy; py								
	The veins generally contain lt. amounts of pink feldspar.								
52-102	Porphyritic greenstone - Dark green to green aphanitic								
	matrix w/ euhedral to subhedral ¼" feldspar phenocrysts -								
	greenish white phenocrysts usually saussuritized								

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

LATITUDE ELEVATION BEARING DEPTH STARTED COMPLETED

DEPARTURE SECTION DIP DRILLED BY LOGGED BY

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	52-80 10% feldspar								
	63 py. str. @ 61° bedding @ 46°								
	70-76.8 ep. str. & patches Calcite @ 40°								
	76.8 - 77.8 Prolific py. @ 46° w/ lt. quartz - carb;friable								
	83-92 coarser porph. greenstone 20% felds. dk gr. matrix								
	87 q. cal. @ 57° 1/8" fr. @ 67° 38°								
	92-93 Schistose								
	93-102 friable - sericitic; lt. py.; siliceous; occ. rand.								
	q. str.								
102-107	Tuffaceous andesite - greyish green ← Seen this before!								
	aphanitic silicified matrix w/ black								
	trachytic shards 1/8" w/ ep. str. & patches @ 40°; blebs py.								
107-167	Porphyritic greenstone - green to dark green matrix w/ eu.-								
	sub. feldspar pheno								
	113 - 117.5 Schistose w/ py diss.								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73-2

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	114 3/8" barren quartz-carb. @ 46°								
	118 - 122.5 Schistose - lt. green w/ interbedded greenstone								
	125 - 133 intercalated greenstone and tuffaceous andesite								
	w/ mod. disseminated py.								
	bedding cont. @ 35°								
	133 - 167 Trachytic porph. greenstone @ 35°								
	lt. disseminated py. coarse tex; fels. saus.								
	local moderate pyrite								
	144 - 3/8" bar. q. carb. @ 16°								
	146 - 167 epidote patches								
	154 - 155 tuffaceous andesite								
	156 - 3/8" q. carb. @ 45°								
	165 - 165.5' Tuffaceous andesite - trachytic shards								
	lt. - mod. disseminated py.								
	END OF HOLE								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY BOULDER MOUNTAIN HOLE NO. 73-3

LATITUDE 22 + 22 N ELEVATION ..... BEARING 110° DEPTH 171' STARTED Jan. 5/73 COMPLETED Jan. 10/73

DEPARTURE 00 + 48 E SECTION ..... DIP -45° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0-8	Casing					
8-124	Porphyritic greenstone - Dark green aphanitic - chloritic					
	matrix w/ euhedral feldspar					
	Phenocrysts ¼" milky white to greenish white w/ lt. to					
	mod. lineation @ 40° - 50° from shearing. Lightly schistose					
	and usually silicified. Gray, banded schistose sections w/					
	mod. py.					
	0-24 fr. @ 26°, 42°;					
	24-47 epidote str, patches, and blebs; occ str. pyr.					
	28' ¼ - 3/8" q. carb. str. w/ prol. pry.					
	w/ ep. on contact @ 26°	1764E	44	49	5.0'	
	36' 1" schistose w/ py. @ 27°					
	41' 2" gouge					
	41' 3" tuffaceous andesite lt. grey aph. matrix w/					
	elongated black shards @ 47°					
	44 ¼" q.-carb. w/ patchy cpy. @ 20°					
	adj. good amoeboid epidote patches					
	45' ¼" str. @ 20° py. w/ lt. cpy - ep on cont. feldspars saus.					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73-3

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	46' w/ lt. cpy in ¼" str. @ 35°					
	46.5' str. py. @ 50°					
	47-65 more schistose @ 47° obscure porph. q.s., grey					
	very siliceous	1765E	49	54	5.0'	
	54 ¼" str. @ 41° w/ py and blebs cpy	1766E	54	59	5.0'	
	54.5 - 56 massive 3" and 4" veins cpy and py. w/ patches	1767E	59	64	5.0'	
	and diss. in q-carb @ 56°; bands of q. c. present					
	58 - 58.2 3/8" q-carb. str. w/ py.	1768E	80	85	5.0'	
	58.2 - 65 mod. str. and disseminated py.					
	73 - 92 Schistose - gray; banded @ 47° mod - heavy diss.					
	and str. py; very siliceous; local breccia sections	1769E	114	119	5.0'	
	82 - 83 friable @ 47° heavy py					
	92 - 97 porph. g.s. w/ saus. fels.					
	97 - 113 Siliceous porph. g.s. w/ mod. py. sections;					
	97' - heavy pyorfr. 1" @ 47°					
	113 - Tuffaceous andesite - banded @ 42°					
	124 - Schistose - gray; banded; very siliceous					
	lt. to mod. str. & disseminated py; ep. str. & patches					
	115.5 py. & lt. cpy in 1" q carb str. @ 47°					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO.....

DIAMOND DRILL RECORD

PROPERTY ..... HOLE NO. 73-3

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	116' ½" py. str. @ 27°					
	117.5 4" schist - q. carb. and q.s. bands @ 40°					
12 4-137	Tuffaceous andesite - Gray, siliceous, aphanitic; hard matrix w/ black extended shards	1770	149	154	5.0'	
	@ 43°; py. stringers @ 42°					
	137' 3/8" band py. and schist. @ 53°					
137-166	Schist - Lt. gray - gray - colour bands narrow; very					
	siliceous; localized breccia sections w/ frags q.s. 3/4";					
	lt - py					
	142 - 149 mod - heavy py; very siliceous					
	149 - 160 mod str. and disseminated py. @ 46°					
	160 - 166 less schistose and less pyrite					
166-171	Porphyritic greenstone - green matrix w/ saus. obscure					
	feldspar pheno; 3/8" irregular blebs of q-cal. rimmed					
	w/ epidote					
	END OF HOLE					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO.....

DIAMOND DRILL RECORD

PROPERTY ..... BOULDER MOUNTAIN ..... HOLE NO. 73-4

LATITUDE 66 + 70 N ELEVATION ..... BEARING 062 DEPTH 129' STARTED January 16/73 COMPLETED January 18/73

DEPARTURE 10 + 49 E SECTION ..... DIP -60° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0-5	Casing					
5-10	Silicified porphyritic greenstone - green aphanitic lightly					
	trachytic matrix; light obscure feldspar pheno; lt. diss.					
	py. fr. @ 35° Occ. disc. q. carb. str. - web-like @ 28°					
10-49	Schistose greenstone - silicified Occ. band q- carb.					
	13' cpy & py @ 28° w/ schistosity - over 1"					
	py - 6" - ox'd					
	18 ¼" q-carb. @ 26°					
	19 - 20 py silicification					
	25 - 36 silic. lt. py.					
	30' 3" ox'd zone w/ py.					
	32 q-carb @ 75°					
	34 str. py. & cpy? @ 32°; ox'd over 5"					
49-56	Aplite - brownish white - allotriomorphic					
	Texture medium green, aphanitic					
	52' - 56' aplitic w/ sch. greenstone @ 34°					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. .....

DIAMOND DRILL RECORD

PROPERTY .....

HOLE NO. 73-4

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
56-68	Schistose and silicified greenstone - green to dk green w/								
	occ. disc & cont. str. or bands q-carb;								
	60-61.4 aplite @ 30° to 65°								
	61.4-64 narrow aplite stringers @ 62° 30° lt. diss. py.								
68-74	Breccia - healed w/ aplitic material angular frags 2"								
	greenish gray to 71 to 74. reddish green frags w/ q/carb.								
	str. @ 45° - becoming schistose 68-71 - lt. diss. py.								
74-78	Schistose @ 34° mostly vari-colored green disc. bands w/								
	occ. reddish str. and bands ½" str. @ 55° of reddish carb.								
	crossed with qtz. carb. filled tension gashes								
78-108	Schist - Qtz-carb. and generally carb. bands upto 3/8" wide								
	generally ¼" @ 36° occ. warped and convoluted w/ bands of								
	pred. chloritic, green to dark green. Occ. frags in								
	chloritic bands. Post - q-carb. str. @ 80° or 45° (thinner)								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 532

CLAIM NO.....

DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 73-4

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	80' 4" aplite @ 40°					
108-119	Silicified greenstone - green to dark green					
	aphanitic - chloritic w/ occ. bands @ 37° of carb. w/ lt.					
	red hem; Occ. bleb py w/ cpy? Localized flow breccia -					
	overall chloritic.					
119-129	Porphyritic greenstone - trachytic milky white euhedral					
	fels. pheno's 10% in green aphanitic highly sheared matrix;					
	narrow zones of flow breccia - lt. green to green w/ sub-					
	rounded to sub-angular elongated frags of aplitic, dacitic;					
	rhyolitic and andesitic frags.					
	Flows @ 31°					
	128 - q-carb. str. @ 25° ½"					
	occ. blebs py & cpy?					
	END OF HOLE					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY BOULDER MOUNTAIN HOLE NO. 73-5

LATITUDE 67 + 00 N ELEVATION BEARING 295° DEPTH 147' STARTED January 20/73 COMPLETED January 23/73

DEPARTURE 11 + 10 E SECTION DIP -45° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0-8	Casing					
8-28	Siliceous greenstone - Green to lt. green					
Recovery	hard - varying in silica content					
97.8%	9-13 oxidized - brown to greenish brown w/ mod. q-carb. veins					
	@ 80° - mod. siliceous					
	13-25 grading to friable siliceous schistose greenstone w/					
	occ. q-carb. str. @ 48° - becoming more siliceous @ 25					
	w/ q. carb. veins @ 40° and random					
	Schistose and bedding @ 55° to c/a					
28-30.5	Aplitic quartz-carbonate - lt. brownish or milky white -					
	Contact @ 40° & 58° talcose on cont.					
30.5-66	Schistose siliceous greenstone - hard folialed					
	lt. banding - lt. to dark green	1774E	31	36	5.0'	
	30.5 - 33.5' lt. disseminated pyrite in hard siliceous					
	greenstone					
	34' 1" heavy disseminated and patches py & cpy @ 47°					
	33.5 - 35.5 disseminated pyrite & cpy. - ½" veinlet cpy & py					
	@ 60-80° warped					

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY ..... HOLE NO. 73-5

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	35-48 Schistose @ 65° lt. disseminated pyrite; loc. very siliceous sections								
	47' 1" aplite @ 30°								
	48-49 siliceous lt. py.								
	49-51 hard dark green greenstone w/ random q. str.								
	51-53 Schist @ 44° - discontinues lt. & dark green chloritic bands and brownish q-carb. hematitic bands 3/8"; frags ½" sub rounded w/ schist.								
	53-66 Schistose - hard aphanitic - patchy hematite and chlorite								
	57' 3/8" q-carb. @ 72°								
	63' 3/4" q-carb. banded w/ host rock 42°								
66-115	Schist - chlorite - hematitic - hard aphanitic lt. and dark green continuous and discontinuous narrow bands @ 45° - 50°; 66' - 75' ½" q-carb. str. across bands @ 50°; 68' flow contact @ 29° 70' convoluted hematitic bands								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

LATITUDE 67 + 55 N	ELEVATION	BEARING 242°	DEPTH 134'	STARTED January 26/73	COMPLETED January 29/73		
DEPARTURE 11 + 60 E	SECTION	DIP -50°	DRILLED BY Cunningham MacNeill	LOGGED BY L. Sookochoff			

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	ASSAYS			
0-5	Casing								
5-19.5	Siliciceous Greenstone - hard, aphanitic, green,								
	8-12 - silica - siliceous dyke	1775E	9	14	5.0'				
	12-17 Siliceous talc-sericite schist								
	(2' core) lt. py.	1776E	14	19	5.0'				
	17-19 Friable talc sericite schist @ 45°								
	Mod. py.								
	19-19.5 2" aplite @ 30°								
19.5-29	Schistose siliceous greenstone - hard foliated and banded								
	green to light green @ 44°								
29-75	Chlorite-hematitic schist - Mainly hard								
	dark green chloritic bands w/ bands of hematitic								
	carbonate @ 35°								
	30-31 random q-cal. brecc'd								
	45 bands @ 42° w/ foliation - mod - heavy banding - cal.								
	upto 3/8" wide - lt. green								

CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73-6

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	rare blebs py and rare ptygmatic					
	folding of cal str.					
	53' & 68' py blebs					
	73' banding @ 35°					
75-86	Schistose greenstone w/ occ. q-carb. bands					
	78 - 79 irreg. q-carb. hem on fr.					
	82' 1.5" q-carb. @ 65° banded w/ host rock					
	bedding @ 44°					
86-92	Schistose porphyritic greenstone - hard, aphanitic matrix-green,					
	w/ extended feldspar phenos. q. carb. bands - hem.					
	on fr. planes					
	88' blebs py in lt. green band					
92-109	Greenstone - hard aphanitic - green to lt. green					
	94 q-carb. w/ gouge @ 50°					
	100 - 103.5 siliceous - lt. ep. ptyg. felds.					

CLAIM NO..... **DIAMOND DRILL RECORD** PROPERTY..... HOLE NO. 73-6

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	rare patchy ep.								
	103.5 - 109 siliceous banding @ 32° lt. py.								
109-122	Schistose porphyritic greenstone - mainly shards feldspar								
	in green to lt. green hard matrix.								
122-134	Schistose porphyritic greenstone - mod. feldspar phenos -								
	lt. green; lt. hem. on fr.; q-carb. @ 45° w/ chl. on cont.								
	END OF HOLE								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY ..... HOLE NO. 73-7

LATITUDE 69 + 62 N ELEVATION ..... BEARING ..... DEPTH 109' STARTED Jan 30/73 COMPLETED Feb 1/73

DEPARTURE 9 + 90 E SECTION ..... DIP -90° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0 - 109'	Siliceous greenstone, grey; hard; obscure feldspar white					
	phenocrysts; H. banding at 29°; oxidized to 15'	1777E	1	6	50'	
	H to moderate pyrite to 24'					
	17-18' aplitic at 35° - lt. brownish white					
	18-32 moderate quartz carbonate bands and blebs in chloritic					
	greenstone. Light to nil pyrite	1778E	6	11	50'	
	32-34 schistose-grey moderate disseminated pyrite					
	43 2" moderate pyrite in greenstone	1779E	11	16	50'	
	48.5-49 good schist w narrow lightly carbonated bands - no					
	pyrite.					
	49-55 flow microbreccia with trachytic thin fragments < flow					
	microbreccia with trachytic thin fragments< ½" long					
	light pyrite					
	70-73 light epidote; convoluted bands and stringers quarts					
	carbonate; hematite on fracture planes.					
	73-97 hematitic bands and moderate quartz carboate stringers					
	hematite on fracture planes and with calcite					
	91- calcite at 22°					
	97-109 porphyritic greenstone, greenish grey; silicified, hard;					
	thin epidotized stringers; occasional hematite on fracture					

CLAIM NO.....

DIAMOND DRILL RECORD

PROPERTY ..... HOLE NO. 73-7

LATITUDE 69 + 62 N ELEVATION ..... BEARING ..... DEPTH 109' STARTED Jan 30/73 COMPLETED Feb 1/73

DEPARTURE 9 + 90 E SECTION ..... DIP -90° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	at 75°								
	104 siderite bands 6"								
	103 siderite fragments								
	108 flow cont. at 30° no pyrite								
	END OF HOLE								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY Boulder Mountain HOLE NO. 73.8

LATITUDE 24 + 00 N ELEVATION ..... BEARING ..... DEPTH 297' STARTED Feb 3/73 COMPLETED Feb 13/73

DEPARTURE 1 + 00 E SECTION ..... DIP -90° DRILLED BY Cunningham-MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0 - 7	Overburden					
7 - 42	Porphyritic greenstone - light grey, siliceous; hard;					
	aphanitic matrix; augite-feldspar phenocrysts. Light					
	disseminations pyrite to 18' - heavier 18 +					
	9' 1.5" massive chalcopyrite pyrite at 34°	1780E	8	13	5.0'	
	15.5' local albitization	1781E	13	18'	5.0'	
	24-42 feldspar phenocrysts - epidote patches					
	25' good sulphides - disseminated and patches					
	33' ½" quartz carbonate 1 to c/a					
	34' ½" quarts carbonate at 42° to c/a					
42-46	Breccia-flow-grey to light grey, hard with light green					
	rhyolitic angular fragments 3/8"					
	and dark andesitic fragments 1.5". moderate disseminated					
	pyrite.					
46-49	Tuffaceous andesite - black 1/8"					
	dense hard aphanitic light grey to grey chloritic matrix.					
49-55	Porphyritic greenstone - bedding at 33°. 53' 1.5' pyrite band					
	at 14°					
	(F.)56 6" gouge.					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. ..... DIAMOND DRILL RECORD PROPERTY ..... HOLE NO. 73-8

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
55-77	Breccia - flow - 2" sub angular, grey to greenish extended					
	fragments of porphyritic greenstone in grey aphanitic	1783E	72	77	5.0'	
	hard occasional augite porphyritic matrix - locally broken.					
	60 2" mod. sulphide. at 14° 76' 1" band heavy sulphide at 13°					
77-82.5	Tuffaceous andesite - light - moderate sulphides. 82.5 cont.					
	at 24°					
82.5-197	Porphyritic greenstone - 82.5-85 very coarse sausserite					
	feldspars - epidote					
	85-131 intercalated beds of porphyritic greenstone and tuff					
	andesite - bedding at 21°	1784E	149	154	5.0'	
	131' ½ quartz carbonate stringers with pyrite at 26°					
	132.5 ½" gouge at 26°					
	143 1" gouge 132-136 coarse porphyritic greenstone					
	152-175 flows of porphyritic greenstone at 24° with blebs					
	calcite.					
	Variable textures light pyrite					
	then bands pyrite at 11°					
	153 barren bands quartz carbonate 24° 1/8" -1/4"					
	183' quartz carbonate 34° 3/4" wth moderate pyrite and					
	epidote - siliceous p.g.s.					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73.8 .....

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	194' ptygmafic ep. bands.					
199-227	Greenstone, light greyish green; friable to hard. obscure					
	feldspar phenocrysts chloritic - talcose quartz					
	carbonate stringers. Light to moderate pyrite					
	206-208 gougy at 34°					
	208-212.5 2' core siliceous with hematitic feldspar					
	phenocrysts.					
	212.5 1.5" bar. quartz at 34°					
	218-223 tuffaceous andesite-broke					
	208-225 localized hematitic fels. phenocrysts.					
227-265	Schistose breccia; hard; dense, obscure breccia texture					
	with elongated fragments. Light to moderate pyrite.					
	discontinuous bands.					
	234-237 gougy and broken at 24°					
	237 silicified tuff and obscure greenish shards trachytic					
	medium blebs and disseminated pyrite.					
	251 - flow breccia - dense hard, blackish grey matrix					
	w/ aug. fragments, up to 2" good dissemination and					
	blebs pyrite.					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73.8

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	257+ moderate dissemination and blebs pyrite.								
265-272	Andesite - greyish black hard aphanitic with blebs carbonate								
	occasionally epidotized.								
272-282	Greenstone and Augite porphyritic flows.								
282-284	Porphyritic andesite - greyish black with subhedral feldspar								
	phenocrysts. Light pyrite.								
284-297	Greenstone - schistose - obscure brecciated texture medium								
	pyrite.								
	END OF HOLE								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. ..... PROPERTY BOULDER MOUNTAIN HOLE NO. 73-10

LATITUDE 23 + 00 N ELEVATION ..... BEARING ..... DEPTH 564' STARTED February 13/73 COMPLETED .....

DEPARTURE 1 + 00 E SECTION ..... DIP -90° DRILLED BY Cunningham MacNeill LOGGED BY L. Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0-4	Casing					
4-325	Porphyritic Greenstone - Grayish green; hard; phenos of					
	euhedral saussuritized feldspar and occ. augite					
	Silicified - intercalated tuff andesite flows					
	15'- 1" q. carb. w/ patchy cpy & py					
	17' - 3.5" q. carb. @ 05° w/ patchy cpy & py	1785E	14	19'	5.0'	
	24" - 3/8" q. carb. w/ blebs cpy py					
	21 - 63 - intercalated narrow beds of	1786E	28	33	5.0'	
	tuffaceous andesite w/ augite - lt. greenish					
	gray; fels. saus. - blebs & disseminated py.					
	32.5' 1.5" q. carb. @ 05° w/ patchy cpy					
	50' loc. stringers py.					
	63 - 64 - Breccia - Green; ang frags ½" of rhyolite					
	andesite; mod. blebs py, occ. patchy ep.					
	72' Silicified breccia - blebs py.	1787E	90	95	5.0'	
	86' Py stringers @ 24°					
	90 - 95 Py - heavy disseminated & stringers					
	105 - 132 Schistose - Py - heavy - mod					
	135 - 141 Schistose Py - mod					
	146 - 158 Saus. fels. - lt. diss. & patchy ep. - blebs py					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73-10

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
	hem on fr. planes @ 70°					
	158 - 170 - Silicified greenstone					
	occ - obscure phenos fels; lt - mod py					
	165' 1" rheemaphism w/ q. carb. @ 26° lt py					
	180 - 183 Augite porphyry					
	183 - 194 Breccia - obscure ½" frags	1788E	189	194	5.0'	
	lt to mod py; lt cpy					
	194 - 237 hem. on fr. planes					
	237 - 259 loc. tuff andesite w/ mod py; hem					
	259 - 273 lt schistose w/ fair sulphides					
	268 pink fels.					
	273 - 295 lt schistose occ lt. breccia					
	loc heavy diss. & blebs py; grayish green - hard					
	295 - 300 Obscure breccia texture - lt grey - hard -	1789E	276	281	5.0'	
	anhedral pink fels - nenzon - itic matrix;					
	mod py; contact @ 42°					

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 73-10

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	304 - quartz - carb. @ 38°								
	300 - 304 porph . q.s.								
	310 1' gouge								
	300 - 325 sil'd; gr. gray; blebs py; tuffaceous q.s.								
325-330	Gabbroic dyke - greyish black; m - f.g.								
	allotriomorphic texture; hard; 2% black shards;								
	1% anhedral calcite phenos; magnetic ^{2} ; gougy & broken								
	@ contacts								
330-353	Flow breccia - obscure texture; grey; hard; siliceous;								
	trachytic; tuff and frags and matrix w/ black shards;								
	mod - heavy py								
353-365	Porphorytic greenstone								
365-367	Lamprophyre dyke w/ 1% black shards; 1% calcite phenos;								
	1% euhedral white fels. phenos; aphanitic grayish black								
	matrix. contact @ 18°; rare blebs py								
367-	Flow breccia - gray; frags porph. q.s.; m - f.g. dioritic								
	matrix; mod - lt py. black shards common; trachytic @ 42°								

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO.....

DIAMOND DRILL RECORD

PROPERTY ..... HOLE NO. 73-10

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
	406 - 411 porph. g.s.								
	411 - 417 Monzonitic flow. 10% shards, blebs & stringers								
	py								
	417 - 456 Obscure flow breccia - frags porph. q.s.								
	419 - 425 hematized phenos in aphanitic								
	greenish matrix								
	438 - 456 mod py in f.g. - aphanitic dioritic matrix alb'n								
	456 - 485 Greenstone - grading to porph g.s. - obscure m.g.								
	tex. - no py - sections tuffaceous dacite								
	476 - 480 - good py								
	485 - 488 py str. and patches in tuffaceous dacite								
	488 - 555 Intercalated flows of porph. g.s.,	1797E	499	504	5.0'				
	dacitic schist; patchy epidote								
	504 - q. carb. @ 35° ¼"								
	505 - 527 rare py								
	523 - 528 hem patches and on fr.								
	542 - 548 random q. car. stringers; broken								
	gouges, heavy py.								
	564' END OF HOLE								

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