

ORELL COPPER MINES LTD.

NPL

Mineral Claims

Diamond Drilling Report # 4932

Oro

82M/4E

4932

DRILLING CONTRACT

1. This agreement, made and entered into this 27th day of August, 1973,

BETWEEN: Orell Copper Mines Ltd.
Box 886, Salmon Arm, B.C.
(Hereinafter called the Company)

AND: Diamond M Drilling & Exploration
#2 Kelso Crescent, Kamloops, B.C.
(Hereinafter called the Contractor)

WITNESSETH:

2. In consideration of certain payments hereby agreed to be made by the Company to the Contractor, the Contractor agrees to drill, with a AQ Wireline drill from the surface on Adams Plateau at site to be selected by the Company, subject to conditions hereafter mentioned. It is further agreed by the Company that the depth of no hole shall exceed 400 feet and the total footage will be a minimum of 400 feet.

The contractor is not compelled by the Company to complete any hole where rock or hole conditions made it impossible to continue. If Company wishes to continue they will be charged for cementing, casing, reaming, and equipment from drill chuck to bottom of said hole.

3. The contractor agrees to use for the above described work AQ Wire Line and men skilled in its use. Size of the core is to be approximately 1 1/16 inches in diameter.

4. The Company, hereby agrees to pay to the Contractor the following prices for the herein described drilling and services. Billings will be submitted twice monthly and payment will become due on submission.

Table with 2 columns: Description and Price. Items include Mobilization, Demobilization, Casing over burden to, Casing below, Drilling (0 to 400 Feet), Cementing, Waiting for cement, Standby time, Clinometer tests, Sludge collections, Moving between holes, Casing left in hole, Core boxes, Roads, Drill sites, Room and board, Mud and Chemicals, Water costs, Reaming of hole.

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Contractors hourly costs will be at a rate of 5.00 per man hour, 20.00 per hour for equipment. Costs mentioned will be at the rate of costs to the Contractor on the job site.

ADDED COST OR CREDITS:

It is agreed that the contractor will drill one 400 ft. hole on the Adams Plateau for Orell Copper Mines (N.P.L.) For the total sum of \$3,000.00 (Three Thousand Dollars) if for reasons unseen to continue below 400 ft. the drilling cost will be \$ 7.25 per foot hereafter. Company will be responsible for drill roads, sites and liability and damages to property.

It is agreed if for reasons of poor rock or weather conditions where it becomes <sup>to</sup> expensive to continue operations to contractor operations, may be shut down or further negotiations may be made.

- 5. It will be stated whether Company agrees to locate the holes and provide necessary access roads and drill sites. If so failure to supply drill sites which impede moving of the drill may be deemed standby time for the convenience of the Company and may be charged standby time by the Contractor.
- 6. The Contractor will case and drill at the sites, angles, and azimuths selected by Companies representatives. (Hole inclinations may vary from 90° to \_\_\_\_\_.)
- 7. It is agreed that the shift reports will be signed by the Company Geologist and Contractors foreman.
- 8. It is expressly agreed that there are no promises, agreements or understandings outside of this contract. This contract may be altered only by the written consent of both parties hereto.

ACCEPTED BY:

Company **ORELL COPPER MINES LTD.**

Contractor **Diamond M Drilling Exploration**

PER: [Signature] PRES.

Title: Malcolm Shaw



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*Diamond M. Drilling & Exploration*  
(MALCOLM SHAW)

R.R. #2, Kelso Crescent,  
Kamloops, B.C.

Phone - 573-3898

IN ACCOUNT WITH:

OREIL COPPER MINES LTD  
Box 886  
SALMON ARM, B.C.

ACCOUNT TO: Aug 30 73

Drilling Costs:	_____	ft. at _____	ft. _____
Hole No. <u>1</u>	<u>0</u>	ft. at <u>400</u>	ft. <u>3,000.<sup>00</sup></u>
Hole No. _____	_____	ft. at _____	ft. _____
Casing Costs	_____	hrs. @ _____	hr. _____
Casing Materials	_____	_____	_____
Cost Materials Used	_____	_____	_____
Cementing Costs	_____	hrs. @ _____	hr. _____
Reaming Costs	_____	hrs. @ _____	hr. _____
Moving Costs	_____	hrs. @ _____	hr. _____
Standby Costs	_____	hrs. @ _____	hr. _____
Testing	_____	tests @ _____	Test _____
Sludge Collection	_____	hrs. @ _____	hr. _____
Mobilization	_____	miles (hrs.)	_____
Room & Board	_____	_____	_____
Added Costs or Credits	_____	_____	_____

TOTAL COST TO COMPLETION  
OF CONTRACT.

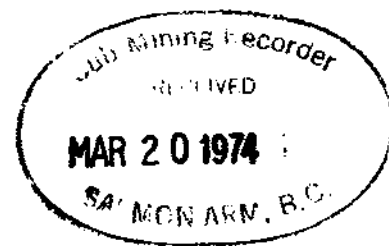
TOTAL

\$ 3000.<sup>00</sup>

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KAMLOOPS MINING DISTRICT



ORELL COPPER MINES LTD.

ASSESSMENT REPORT 1973

PROPERTY ACCESS:

Via paved road from Squilax. A point on the Trans Canada Highway approximately thirty miles west of Salmon Arm. Then for three miles north to a point on the North shore of Shuswap Lake. Located as a log booming ground area. Then by a gravel road North Northwest for approximately eighteen miles.

TRANSPORTATION:

One ford V8 half ton truck

Oil and Fuel	\$ 55.00
Mileage---1,100 miles @ 20	220.00
Wages-----Ten days @ \$50.00 per day	500.00
<u>TOTAL EXPENSE:</u>	<u>\$ 775.00</u>

GEOPHYSICS:

Lines were measured and ribboned out. Instrument work was carried out and three Anomalous Zones were delineated.

DRILLING:

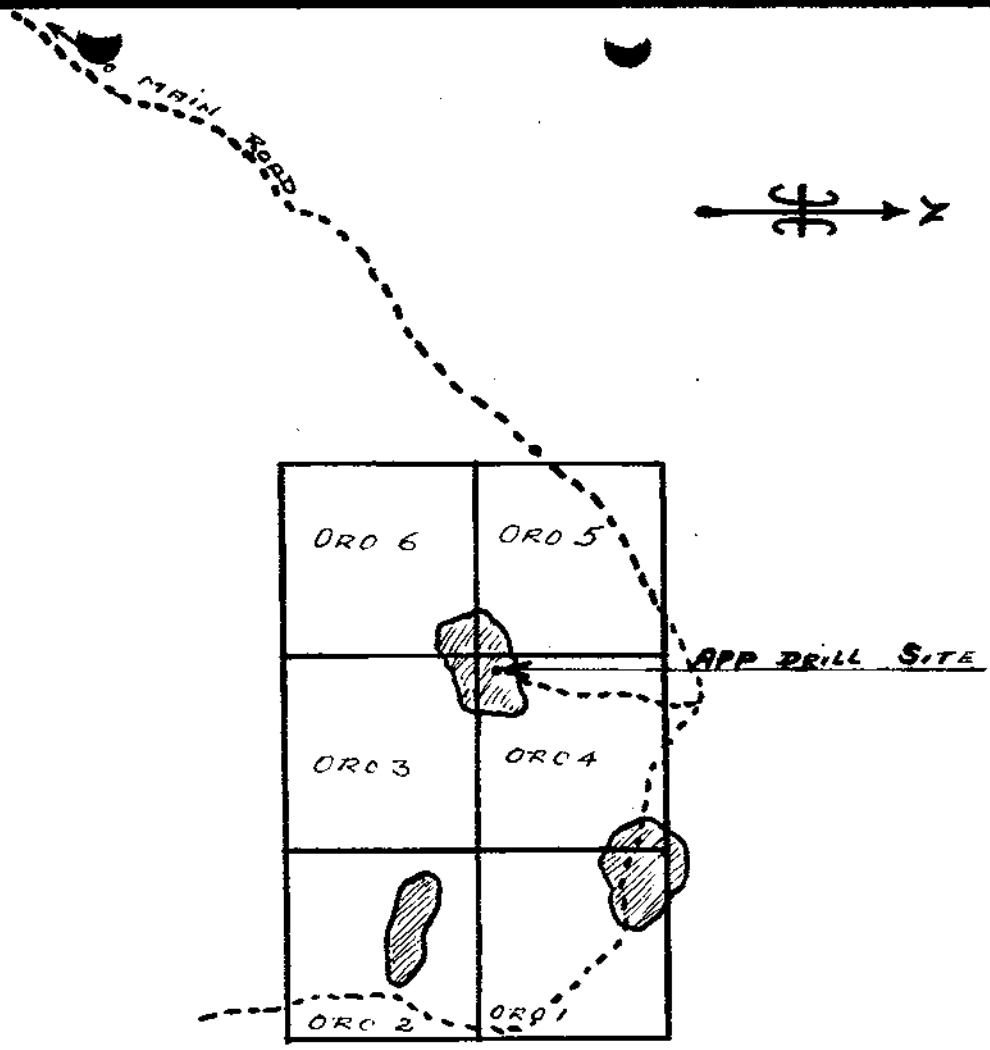
Diamond Drilling was carried out on only one Anomaly to date. The work was paid for by Orell Copper Mines Ltd. and was carried out from the 24th of August to the 3d of September, 1973. Diamond Drill is AQ one inch diameter. Diamond Drill hole is vertical. Topographical elevation at Diamond Drill Hole Site is 5,300 ft. Drill Core is stored in Salmon Arm, B. C. at the residence of the president. Drill core splitting and logging is pending on availability of further funds.

#1 Anomalous zones

#2 Location map

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NO. 4932 MAP.....





**ORELL COPPER MINES LTD.**  
**ADAMS PLATEAU**

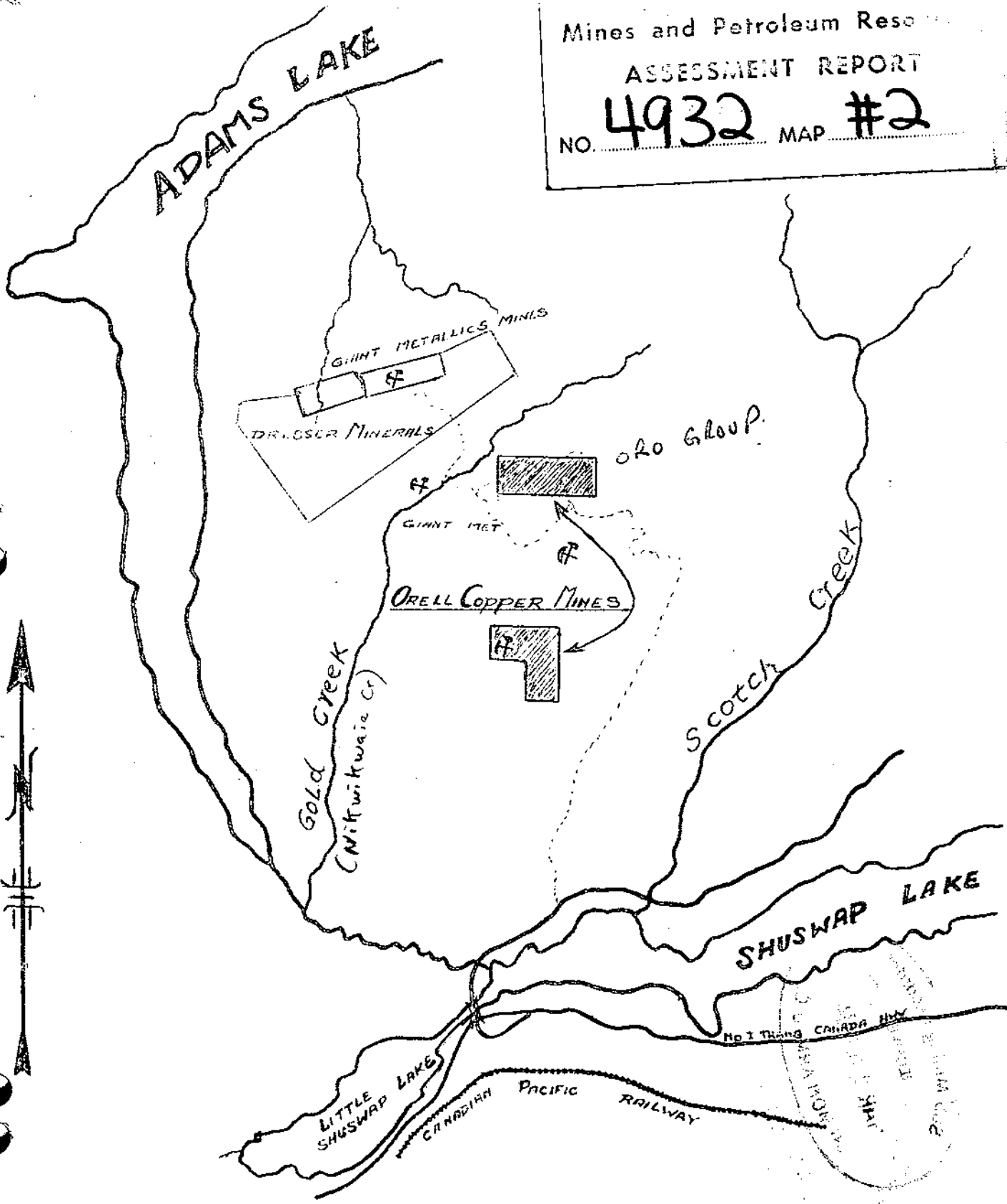
▨ ANOMALOUS ZONES  
 --- ROADS

SCALE 1" = 1500'

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 ASSESSMENT REPORT  
 NO. 4932 M.P. #1

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NO. **4932** MAP **#2**




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Orell Copper Mines Limited  
Hole #1, a vertical AQ hole drilled near  
S.W. corner of Oro 4 Claim, August, 1973  
Logged June 23/74 by J. M. Black, P.Eng.

Footage

0 - 11	Overburden.
11 - 16	Rusty rock fragments.
16 - 34	Interbedded light and dark gray, thin-bedded sediments. Light colored beds are about $\frac{1}{4}$ " thick; dark colored beds are thinner. Beds dip 10° to 15°. Some beds are lenticular and irregularities, such as caused by slump during consolidation, are common. The light beds have much sericite and the dark beds have biotite and they can be classed as phyllites. Some pyrite in the lighter colored beds. Some of this extends along hair-line fractures through the darker beds. Little pyrrhotite in the darker beds. On the cored surface the beds are gray, ranging from near white through to medium gray. On broken surfaces the colors are darker and range from gray through to nearly black.
34 - 57	Similar light and dark gray, thin-bedded phyllite. The dip gradually increases to 30°. Some of the dark beds have greenish tinge.
57 - 70	Similar light and dark gray phyllites interbedded.
70 - 80	" " " " " " " " Dip becomes flat.
80 - 88	Light gray and brown beds interbedded.
88 - 89	Almost white bed - thickest one seen.
89 - 104	Light and dark gray phyllites. Low dip.
104 - 128	" " " " " " " " Nearly flat. At 117 pyrrhotite with minor chalcopyrite.
128 - 153	Light and dark gray, thin phyllitic beds nearly flat. From 149 to 151 abundant pyrrhotite and pyrite and veinlets of these sulphides between the several occurrences.
153 - 155.5	Fine-grained gray andesitic dyke with hornblende phenocrysts, some pyrite in the phenocrysts.
155.5 - 175	Thin-bedded gray phyllites. At 168.5 pyrrhotite with minor chalcopyrite.
175 - 176.5	Fine-grained gray andesitic dyke.
176.5 - 189	Thin-bedded gray phyllites gently dipping.
189 - 197	Gray andesitic dyke, veined by quartz and pyrite.

197 - 200 Gray, thin-bedded phyllites.  
200 - 202 Gray dyke.  
202 - 230 Thin-bedded gray phyllites. Dip less than 10°, pyrite common.  
230 - 237.5 Dark gray dyke with gray phenocrysts.  
237.5 - 245.5 Dark and light gray, thin-bedded phyllites.  
245.5 - 246 Thin black and white beds.  
246 - 247.5 White beds.  
247.5 - 249.5 Fine-grained gray dyke.  
249.5 - 269 Light and dark gray thin beds.  
269 - 269.5 Pyrrhotite and minor chalcopyrite.  
269.5 - 270.5 White phyllitic beds.  
270.5 - 290 Thin-bedded gray phyllite, flat lying.  
290 - 292 " " " " Dip 15°.  
292 - 306 Light and dark gray, thin-bedded phyllites. Many irregularities.  
306 - 316.5 Dark brown beds, alternating with light-colored beds.  
316.5 - 319 Predominantly light gray thin beds.  
319 - 331 Brown and light gray thin beds.  
331 - 332 Abundant pyrrhotite in thin beds.  
332 - 372 Light and dark gray thin beds of phyllite, nearly flat. At 350 pyrrhotite with minor pyrite and sphalerite. At 363 pyrrhotite veinlets.  
372 - 376 Hornblende porphyry dyke with pyrrhotite disseminated through it and in veinlets.  
376 - 400 Light, dark gray and brown, thin-bedded phyllite, nearly flat.  
End of hole.



J. M. Black, P.Eng.

Jan 26/74