

MEMO ON THE DUCKLING CREEK AREA  
TYEE LAKE RESOURCES LTD. (N.P.L.)

810537

December 4th, 1970.

Tyee Lake Resources Ltd. (N.P.L.) has recently discovered significant copper-molybdenum mineralization by diamond drilling on the Rondah property, located 28 miles north-west of Germansen Landing, B.C.

This memo is intended to summarize the current progress in the company's exploration activity in the Duckling creek area.

The company owns the following claims in the area:

Duck Claims	52
Duke Claims	29
Rondah Claims	45
Lea Claims	5
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Total	131
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Most of the 131 claims were covered by reconnaissance geology and geochemical silt sampling surveys, which resulted in the discovery of a number of attractive targets.

The detailed work on Rondah property consisted of line-cutting (10 miles), ground magnetics, detailed geology, soil sampling, induced polarization-resistivity survey, road construction (8½ miles), bulldozer trenching and diamond drilling (5 holes). The program was terminated

by weather in mid-November.

The I.P. survey outlined three anomalous zones.

Zone "A" has dimensions of 2400' NS by 1600' and coincident with the favourable results of geological and geochemical surveys. Disseminated pyrite-chalcopyrite-magnetite mineralization was found exposed centrally within this zone; a chip sample across the 21' outcrop exposure assayed 0.38% Cu and 0.01 oz/ton gold.

A number of nicely mineralized floats were also found within this zone and assayed up to 4.9% copper.

"B Zone" anomaly of somewhat smaller yet comparable dimensions, is the source area of strong copper concentrations (up to 940 ppm) in stream sediments and must be considered an attractive drill target.

A third "C Zone" anomaly lies southeast from "A Zone". Sulphides, including some chalcopyrite occur in a small outcrop within this zone.

Drilling (BQWL) tested only a small portion of I.P. "A Zone".

No. 1 hole cut a 180 foot section from 120' to 300' grading 0.514% copper and 0.020% MoS<sub>2</sub>, within which is an 80 foot section of 0.61% copper and 0.03% MoS<sub>2</sub>. The average grade of the 410 foot section from 120' to 530' is 0.33% copper. This hole also contains a small amount of gold and silver.

No. 2 hole cut a 162 foot section of 0.30% copper which contains a 42 foot section of 0.55% copper and another 40 foot section of 0.48% copper.

No. 3 hole cut a 30 foot section of 0.29% copper.

No. 4 hole cut a 30 foot section of 0.31% copper and another 120 foot section of 0.37% copper.

No. 5 hole cut a 51 foot section of 0.22% copper.

Assays for molybdenum, gold and silver have not been made on No. 2, No. 3, No. 4, and No. 5 holes.

The location, angle and total length of each hole is as follows (see I.P. Map No. 3, and Geology Map):

No. of Hole	Location	Angle	Total Length
#1	12S - 2+50W	-60° to grid east	545'
#2	8S - 0W	-60° to grid west	517'
#3	8S - 4E	-60° to grid west	630'
#4	12S - 3E	-45° to grid west	697'
#5	The same as No.1	-45° to grid west	651'

The results of the five holes are quite encouraging, because significant portions of the drill holes encountered economic or marginal grade copper and molybdenum in strongly altered hybrid rocks.

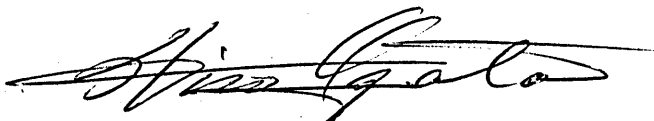
In view of the foregoing encouragement, the company hopes to get an extensive drilling program initiated on the Rondah "A", "B" and "C" zones in the 1971 season.

In addition, several attractive targets on the adjoining Duck and Duke properties discovered by this year's work will be further explored.

It is quite encouraging to note that the extension of the PGE railway from Fort St. James to Takla Landing, 40 miles from the properties, is progressing on schedule and is reported to be completed by the fall of 1972.

The following are the most important data pertaining to the exploration works of the company's properties.

1. J.R. Woodcock, P. Eng.  
Geological Report on the Duckling Creek Properties, August 1970.
2. C.A.R. Lammle, P. Eng.  
Geology Map of the Rondah Claims, September 1970.
3. P. Norgaard, P. Eng., Geoterrex Limited.  
Report on Induced Polarization Survey Rondah Claim Group, August 18 - 26, 1970.
4. C.A.R. Lammle, P. Eng.  
Map on Ground Magnetism, Rondah Claims, September 1970.
5. J.R. Woodcock, P. Eng.  
Report on Geochemistry, Duckling Creek Properties, September 1970.



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