Effective date: January 28, 1972.

DRM 12



INTERIM LISTING

SECURITIES ACT, 1967

Neither the British Columbia Securities Commission nor the Vancouver Stock Exchange has in any way assed upon the merits of the securities offered hereunder and any representation to the contrary is an offence.

British Columbia Securities Commission Vancouver Stock Exchange

TYEE LAKE RESOURCES LTD. (N.P.L.)

Head Office: 312 - 510 West Hastings Street, Vancouver, B.C.
Registered Office: 14th Floor, 1030 West Georgia Street, Vancouver 5, B.C.
(Address of head office and registered office of company.)

Statement of Material Facts

1.	Give details of the circumstances relating to the offering of the securities and any material changes in the affairs of the issuer.	See Schedule attached
2.	Set out the description, designation, and number of shares being offered by the issuer or selling shareholder. If any of the shares being offered are to be offered for the account of a selling shareholder, name such shareholder and state the number of shares owned by him, the number to be offered for his account, and the number to be owned by him after the offering.	See Item 1
3.	Set out the price to the public, underwriting discounts or commissions and the estimated net proceeds to the issuer or selling shareholder, on both a per share and an aggregate basis. If it is not possible to state the price to the public or the underwriting discount or commissions, the method by which they are to be determined shall be explained. Give the range of the market price during the previous 90 days.	See Item 1
4.	State the principal purposes for which the estimated net proceeds to be derived by the issuer from the sale of the shares to be offered are intended to be used and the approximate amount intended to be used for each such purpose.	See Schedule attached
5.	State the laws under which the issuer was incorporated and whether incorporated by memorandum of association, Letters Patent, or otherwise or under a particular part of an incorporating Statute dealing with mining companies and the date thereof.	Incorporated under the laws of the Province of British Columbia by Memorandum of Association on June 25, 1969.
6.	Give names, addresses, and chief occupations for the past five years of the officers and directors of the issuer.	See Schedule attached
7.	State the share capitalization of the issuer showing authorized and issued capital.	Authorized: 5,000,000 shares without nominal or par value with a maximum price or consideration of \$1.00. Issued: 1,585,000 shares not including this offering.
8	Give particulars of any bonds, debentures, notes, mortgages, charges, liens, or hypothecations of the issuer.	Loan of \$17,400 due to associated company.
9	Outline briefly the manner in which the shares being offered are to be distributed, giving particulars of any outstanding or proposed underwriting, sale, or option agreement, including the name and address of each underwriter, purchaser, or optionee. Give similar particulars of subunderwriting or sub-option agreements outstanding or proposed to be given and particulars of any assignments or proposed assignments of any such agreements. Give names and addresses of persons having any interest, direct or indirect, in underwritten or optioned shares.	See Item 1

10.	Give name and address of any person or company who beneficially owns, directly or indirectly, in excess of 5 per cent of each class of shares of any company named in answer to item 9 hereof and the number and percentage of each class of shares so owned.	See Schedule attached
11.	Give particulars of any payments in cash or securities of the issuer made or to be made to a promoter or finder in connection with the proposed underwriting.	None LISTING
12.	Give brief particulars of properties owned, leased, held under option, or operated or presently intended to be owned, leased, held under option, or operated by the issuer.	See Schedule attached
13.	State whether any property referred to in item 12 has a known body of commercial ore or reserves of recoverable oil and gas. Give particulars.	See Schedule attached
14.	Give brief particulars of the exploration and development work of the issuer during the past year and the results thereof on (1) its own properties and (2) other properties. State amounts spent on each.	See Item 12
15.	Give brief particulars of property proposed to be acquired by the issuer or any affiliate or acquired by the issuer or any affiliate within the previous three years, including the name and address of the vendor and the cost or proposed cost thereof to the issuer or any affiliate, and if any such vendor is or was an insider or promoter of the issuer or an associate or affiliate of any insider or promoter of the issuer, so state and indicate the nature of the relationship.	See Item 12
16.	State the name of any person or company who is or has been a promoter of the issuer within the preceding two years and, if not disclosed in item 15, the nature and amount of anything of value (including money, securities, property, contracts, options, or rights of any kind) received or to be received by each promoter.	Mervin E. Davis and Hiroshi Ogata may be considered to be promoters of the compan Mr. Davis received 195,000 shares of the company and Inter-Pacific Enterprises Lt received 360,000 shares in respect of proporties transferred to the company.
17.	If the property referred to in item 15 was or is to be paid for by the issuance of shares of the issuer or any subsidiary, give (a) the number of shares of the issuer and any subsidiary sixued to or to be issued to the vendor after giving effect to such transaction, and (b) the number and, if more than 5 per cent of the shares presently outstanding, the percentage of shares of the issuer and any subsidiary owned or to be owned by the vendor after giving effect to the transaction. If the vendor is a company, give the names and addresses of the insiders of the company.	See Item 12
18.	Give the number and, if more than 5 per cent, the percentage of the shares of the issuer held in escrow or in pool and a brief statement of the terms of the escrow or pooling agreement. Give the names and addresses of the beneficial owners of such shares.	See Schedule attached
19.	Give the number of shares of the issuer owned of record or beneficially, directly or indirectly, by each person or company who owns of record, or is known either by the issuer or the selling shareholder to own beneficially, directly or indirectly, more than 5 per cent of such shares, in each case within 10 days from the date hereof. Show separately whether the shares are owned both of record and beneficially, of record only or beneficially only, and show the respective amounts in percentages owned in each such manner. Give names and addresses of the owners referred to above.	See Schedule attached
20.	Give a brief statement of any legal proceedings to which the issuer or any of its subsidiaries is a party or of which any of their property is the subject. Make a similar state- ment as to any such proceedings known to be contemplated.	None

REPORT

ON

TELKWA RIVER COPPER PROPERTY

OMINECA MINING DIVISION, B. C.

 $(54^{\circ}28^{\circ} \text{ N}, 127^{\circ}40^{\circ} \text{W}, \text{Map Sheet } 93\text{L}/5\text{E})$

prepared

for

TYEE LAKE RESOURCES LTD. (N. P. L.)

bу

Andrew E. Nevin, Ph. D., P. Eng.

ANDREW E. NEVIN CONSULTANTS LTD. 426 - 470 Granville Street Vancouver 2, B. C.

ANDREW E. NEVIN CONSULTANTS LTD. 426-470 GRANVILLE ST. VANCOUVER 2, B.C.

January 25, 1972 📑

LETTER OF CONSENT

I hereby consent to the use of my report on the Telkwa River Copper Property, Omineca Mining Division, British Columbia, dated January 25, 1972, to be used in the Statement of Material Facts of Tyee Lake Resources Ltd.

Andrew E. Nevin, Ph. D., P. Eng.

AEN/hw

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PART A

TERMS OF REFERENCE

This report is written on behalf of the owner of the Telkwa River Copper Property, Tyee Lake Resources Ltd. (N.P.L.) The report describes the geology of the prospect and recommends certain new exploratory work.

SUMMARY

The Telkwa River Copper Property, located 30 miles southwest of Smithers, B. C., currently consists of TEL 1 - 72 claims. It is recommended to retain only 20 claims and let 52 elapse on the anniversary date. March 1. 1972.

The rocks are a volcanic complex considered to be part of the Hazelton Group of Jurassic age, and are of intermediate composition (rhyodacite to trachy-andesite). Field relations and initial petrographic work suggest that some of the rocks of volcanic appearance may be finely brece ated intrusive porphyries. Scattered occurrences of chalcopyrite and other copper sulfides and oxides are present in certain rock types and altered zones.

The previous owner of the ground did extensive trenching and and 2,556 feet of diamond drilling in 12 holes in some of the small copper showings. No significant volume of an acceptable grade was developed by this work. However, even though the showings themselves quite probably cannot be extended, their setting in terms of rock alteration suggests that deep exploratory work be undertaken with a large target in mind.

There are at least three zones of pervasive pyritization, the

largest of which is 2,500 feet in diameter. In and near the pyritized areas field work and thin sections have established that epizonal alteration (chlorite-epidote assemblages) with minor K-metasomatism, silicification, and introduction of calcite, is substantial.

The general shape, size and configuration of the pyritebearing and altered rock and its association with numerous scattered copper occurrences resembles the halos around various known porphyry copper deposits of very large size.

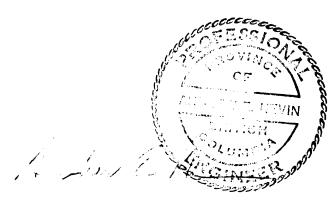
RECOMMENDATIONS

The writer recommends the following work:

- 1. Mapping of geologic units and alteration units at a scale of 1:6,000 with considerable thin section (petrologic) study, seeking to establish in particular the distribution of original rock units and the rank, intensity and zoning of alteration.
- Concurrent rock geochemical sampling and analysis for copper,
 molybdenum and zim to establish any zoning of metallization within the altered areas.
- 3. Drilling for information. The preliminary drilling might consist of several short holes in areas covered by overburden, or it might be one longer hole in a centre of alteration, as dictated by results of the geologic mapping.

ESTIMATED COSTS

Geologist and assistant - wages, travel and expenses, 3 weeks mapping	\$ 6,500
Analytical and petrographic work, sample handling	3,500
Drilling, 1,000 feet @ \$13/ft.	13,000
Mobilization, demobilization, camp costs during drilling	4,000
Administration, supervision, and contingencies	3,000
TOTAL	\$ 30,000



Andrew E. Nevin, Ph.D., P. Eng.

PART B

INTRODUCTION

Name and Title

The property is known as the <u>Telkwa River Copper Property</u> and currently consists of 72 claims named TEL 1 through TEL 72. The claims were staked in February, 1971 by T. D. Wilkinson for Tyee Lake Resources Ltd. (N.P.L.) They were recorded on March 1, 1971. The staking, as examined by me in the field, appears in compliance with the Mineral Act.

Since it is recommended that only claims TEL 29-38 and 51-60 be kept following the anniversary date, this report applies to those twenty claims.

Examination

I examined the Telkwa River Copper Property on July 8, 1971, in company with Mr. Hiro Ogata, President, Tyee Lake Resources Ltd. (N.P.L.), Mr. M. J. Beley, Geologist, Manex Mining Ltd. (N.P.L.), and two other geologists. About eight hours were spent on the ground. Several grab samples were taken for thin section and assaying.

Location and Access

The property is located 30 miles southwest of Smithers, B.C. at the head of the Telkwa River. It is centred on Metric Grid Reference WL 8737, or Latitude 54°28' and Longitude 127°40'.

The only practical access at this time is via helicopter from Smithers (a round trip of 45 minutes in a Jet Ranger) or from the end of the road at Jonas Creek on the Telkwa River (a round trip of 20 minutes).

The principal areas of interest on the property lie in the very sharp canyon of the Telkwa River. Elevations range from 3,000 feet up to 6,500 feet.

History

The ground currently covered by the TEL claims first drew the interest of Phelps Dodge Corporation of Canada Ltd. during a reconnaissance geochemical silt sampling in 1965. Phelps Dodge staked the area and followed up in 1966 and 1967 with detailed silt sampling, geologic mapping, hand trenching, and ultimately core drilling with packsacktype equipment. No work has been done on the ground since that time, and after the claims lapsed they were staked by Tyee Lake.

WORK PERFORMED

Tyee Lake Resources Ltd. (N.P.L.) has not yet performed any work on the ground other than to examine the property and study the available data.

Phelps Dodge (according to Minister of Mines Annual Reports, 1966, p. 91-2, and 1967, p.100-101), made geologic and topographic maps, trenched, and core-drilled 2453 feet in 40 holes in 1966, and conducted a geochemical survey and core-drilled 103 feet in 8 holes with packsack equipment in 1967.

GEOLOGY

Rock Types

Hazelton volcanics, of Jurassic age, are the principal rocks in the region. The rocks are a variety of tuffs, flows and perhaps shallow intrusives. At this stage they are distinguishable into two very broad groups, a series of fine-grained rocks of dacitic composition, and a series of feldspar-rich rocks of trachy-andesite composition.

Exact field relations between these two groups are unknown, except that the feldspar-rich rocks are present in the southern part of the map area, and may overlie the dacites. The volcanics are sheared and fractured

by numerous fracture sets of small displacement and various attitudes, although there do not appear to be any very strong throughgoing structures.

Alteration and Mineralization

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Disseminated sulfide mineralization is present in at least four areas. called Areas I - IV (Drawing 1).

Areas I and II are located in the bottom of the canyon of the Telkwa River and are defined by pervasive pyritization, about 2,500 feet and 1,000 feet in diameter, respectively; Area III is located on the top of Mt. Janssens, and Area IV is in the trachy-andesites in the southeastern part of the map. Areas I and II are within the 20 TEL claims (29-38 and 51-60). Areas III and IV are outside that boundary.

Areas I and II, which appear to have the most promise, are defined by fine-grained, disseminated pyrite, which is present in each zone across 1,000 feet in an overall amount of about 0.5 to 1% in interstices and tiny hairline veinlets in grey quartz latite and dacite.

Fresh pyrite is exposed in landslide scars or other places where erosion has been relatively rapid; in other places, the outer 20 feet or so of the rock is "leached capping" or "gossan" containing about 0.5 to 1.0% cavities after pyrite, and abundant bright orange coatings of transported jarositic limonite in the fractures and joints.

Copper mineralization is scattered throughout these areas in weak trace amounts - as chryocolla, brochantite and malachite stains in the leached capping and as occasional chalcopyrite, chalcocite and bornite grains in areas of fresh sulfides. The copper mineralization increases in the northwestern margin.

ASSAYS

Some grab samples were taken by me and assayed at Crest Laboratories as follows:

Sample No.	Location	Description	% Cu	<u>% Mo</u>
07256C	T-11	Chips along 50 feet, Cu sulfides	0,26	tr.
07257C	T-2	Grab sample of typical leached capping, tr. Cu oxide	0,11	tr.
07258C	T-3	Grab sample of qtzchlorite- chalcopyrite mineralization in greenish-black rock	0.48	tr.
072590	T-7	Grab sample of volcanic with green Cu	2.19	tr.

More extensive sampling was done by another party on the ground. In this programme 14 widely spaced trenches were sampled along a total length of 880 feet and resulted in weighted averages of 0.16 per cent copper and 0.24 oz. of silver.

COMMENTS

Certain premises for further exploration are suggested by the geology, alteration and mineralization of the TEL claims. The large areas of pervasive pyritic alteration, insofar as they are known at present, fit readily into a model of a pyritic halo around or near to a very large porphyry copper deposit. The attractive features in this sense are, in order of importance:

- 1. The several large areas of pyritic alteration
- 2. The presence of significant copper mineralization within and near these pyritized areas
- 3. The epizonal quartz-epidote-chlorite alteration assemblage, the slight amount of introduced material

- 4. Owing to the soil and talus covered areas between and surrounding the areas of alteration, the potential exists for
 a concealed core of currently unknown location
- 5. In general, a significant amount of brecciation and of deformation in the altered areas, in the form of broad warping and a high number of fractures of very small displacement.
- 6. The possible presence of porphyritic intrusives, as yet unrecognized, in the altered volcanics.

The previous work conducted by Phelps Dodge, of trenching and drilling in the small copper occurrences, met with little success and, in my opinion, demonstrates the need for looking at the big picture. In my opinion, the configuration of the pyritic alteration of the Telkwa River Copper Property is entirely consistent with the large halos of pyritic alteration around and above many large porphysics.

coppers.

Andrew E. Nevin.

PART C

REFERENCES

- (1) Minister of Mines and Petroleum Resources, B. C., 1966, Annual Report, pages 91-92
- (2) Minister of Mines and Petroleum Resources, B. C., 1967, pages 100-101
- (3) H. W. Tipper, 1971, Lower Jurassic Volcanic Rocks of the west half of Smithers Map-area, B. C. (93L): Geologic Survey Canada press release, September 1, 4 pges.

PART D

- I. Andrew E. Nevin, hereby certify that:
- My residence address is 4352 Arundel Road, North Vancouver,
 B. C., my office address is 426 470 Granville Street,
 Vancouver 2, B. C., and I am a Geologist by occupation.
- 2. I hold a B. Sc. in Geophysics from St. Lawrence University, a M. A. in Geology from University of California, Berkeley, a Ph. D. in Geology from University of Idaho. I have been practicing my profession since 1961, and I am a member of the Association of Professional Engineers (Geological) of the Province of British Columbia.
- 3. This report is based on a personal examination of the Telkwa River property, conducted on July 8, 1971.
- 4. I hold no direct or indirect interest in either the Telkwa River property or the securities of Tyee Lake Resources

 Ltd. (N.P.L.), nor do I expect to teceive any.

Andrew E. Nevir

