

TANZILLA EXPLORATIONS LTD. (N.P.L.)

KAY, KING, KO, & King Fraction Mineral Claims

104-I-5, Liard M.D.

Lat. 58° 17' N., Long. 129° 56' W.

PROGRESS REPORT - GEOPHYSICAL SURVEYS

July 15, 1971 to August 25, 1971

3205

by

P.H. SEVENSMA, P.Eng

August 25, 1971

**Department of
Mines and Petroleum Resources
ASSESSMENT REPORT**

NO. 3205 MAP

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LIST OF MAPS

- 1 Fig. 1 - Location Map 1" = 30 miles
- 2 Fig. 2 - Claims Location Plan 1" = 2500 feet
- 3 Fig. 3 - Topography & Boundary Plan 1" = 3000 feet

APPENDIX "A"

DECLARATION AS TO PERSONNEL EMPLOYED AND COSTS INCURRED.

TANZILLA EXPLORATIONS LTD. (N.P.L.)
KAY, KING, KO, & King Fraction Mineral Claims
104-I-5, Liard M.D.
Lat. 58° 17' N., Long. 129° 56' W.
PROGRESS REPORT - GEOPHYSICAL SURVEYS
July 15, 1971 to August 25, 1971

1. INTRODUCTION

Commencing July 15, 1971, a program of work was conducted on the above mentioned claim group in general accordance with recommendations contained in the reports by D. Scott, P.Eng., and Peter E. Walcott P. Eng., dated November 1970 and December 10, 1970. Work was confined to a somewhat smaller area than envisioned in the recommendations and, following geological reconnaissance of the subject claims and adjoining outcrop areas, it was concluded that preliminary evaluation be limited to an induced polarization survey of the major area of interest.

Results of the Induced Polarization Survey are contained in a report by Richard O. Crosby dated August 25, 1971.

This report summarizes preparatory field work, geological observations, results of current and previous geophysical surveys, and outlines a proposed program.

DOMINION OF CANADA
PROVINCE OF BRITISH COLUMBIA
TO WIT

) IN THE MATTER OF, expenditures
) incurred and personnel employed
) in conjunction with a geophysical
) survey carried out on the Kay,
) King and Ko claims in the Liard
) M.D., B. C.

I, PIETER H. SEVENSMA, of 715 - 850 West Hastings St., Vancouver, B.C.,
DO SOLEMNLY DECLARE:

THAT hereto my affidavit and marked "Appendix A" is attached a
statement of the personnel employed in conducting the said work and
of the expenditures incurred in carrying out this work.

I declare the above to be true and accurate to the best of
my knowledge and I make this solemn declaration concientiously 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.

P.H. Sevensma, Ph.D., P.Eng.

August 25, 1971

Declared before me at the *City*
of *Vancouver* in the
Province of British Columbia, this *16*
day of *September, 1971* A.D.

P.H. Sevensma

S. J. J. J.
A Commissioner of the Court of British Columbia or
A Notary Public in and for the Province of British Columbia
Subscribing Recorder

2. PROPERTY

The mineral claims which comprize the property are shown diagramatically and listed on Fig. 2. Claims to be held in good standing after August 25, 1971 are as follows:-

KAY 1,2, 17 to 28 incl., 45 to 74 incl.

KIM 1 to 14 incl.

KING 1 to 10 incl., 21 to 30 incl., 61 to 86 incl.

BOX 1 to 10 incl.

KO 1 to 10 incl.

KING Fr. 1 to 9 incl.

3. GEOLOGY

The geological setting and observations on the geology of the principal outcrops within the claim area are discussed in previous reports. i.e. D. Scott, P.Eng., December 10, 1970

Prior to the commencement of detailed geophysical follow-up on the anomalous chargeability affects detected last season by Walcott & Associates, a careful examination of the area was conducted.

Rock outcrop was found to comprise less than 5% of surface within the survey area. Massive intermediate to basic volcanics would appear to underlie the anomalous zone near the present base line while anomalies to the north and west are located within a border phase of the Hotailuh batholith. As both frost heaved and erratic boulders were noted, it is impossible to establish the position of the contact.

Overburden is expected to be of shallow but variable depth as marked lineations are seen along the trend of glaciation to the south. (Hanson and McNaughton, GSC Memoir 194). Perma frost may be expected on north facing slopes as subsurface drainage appears absent.

4. TOPOGRAPHY

A number of claim posts were located and tied in to prominent topographic features in order to establish the position of mineral claim boundaries. These boundaries are indicated on Fig. 3, together with the approximate location of all geophysical survey lines.

5. GEOPHYSICAL SURVEYS

The methods employed and results obtained are given in the separate reports by Richard O. Crosby P.Eng., and Peter E. Walcott P.Eng. Peak chargeability effects only are plotted on the enclosed Fig. 3.

6. SUMMARY

The absence of outcrop and the variable nature of the surficial deposits renders further geological and geochemical work of limited value. The excellent correlation between the two geophysical surveys in a favourable host environment for disseminated sulphide deposits warrants testing by bulldozer trenching and diamond drilling.

7. RECOMMENDATIONS

It is recommended that all ground within the shaded area shown on Fig. 3 be retained in good standing until completion of sufficient work to evaluate the source of the observed chargeabilities.

A tote road should be constructed from the camp-site to the indicated target areas to facilitate diamond drilling operations.

Shallow trenching with a bulldozer is recommended to cross the anomalous chargeability trends.

A minimum of 750 feet of "A" core diamond drilling at sites selected after examination of surface trenches will be required.

No revision of the overall program outlined and cost estimate contained in the report by D. M. Scott P.Eng., dated Dec. 10,

1970 is envisioned pending completion of above stage.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "P. H. Sevensma", written over a horizontal line.

P. H. Sevensma Ph.D., P.Eng.
PETER H. SEVENSMA CONSULTANTS LTD.

August 25, 1971

APPENDIX "A"

to a Geophysical Report
by P.H. Sevensma, P.Eng., dated Aug.25, 1971
for TANZILLA EXPLORATIONS LTD. (N.P.L.)

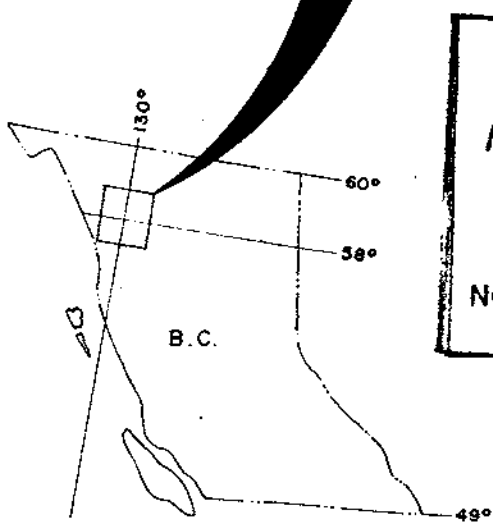
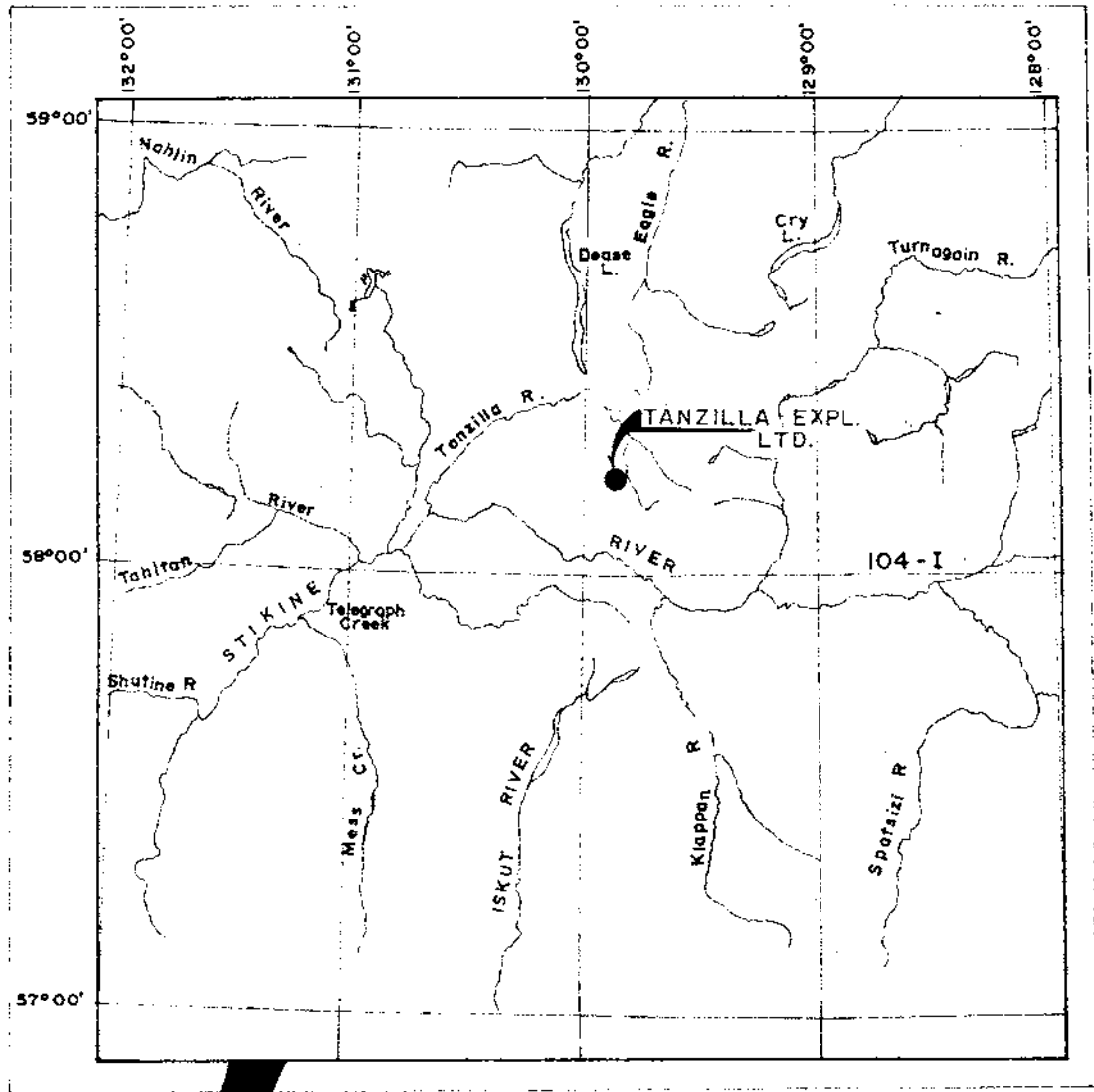
DECLARATION AS TO PERSONNEL EMPLOYED AND COSTS INCURRED

<u>Individual or Firm</u>	<u>Date of Work</u>	<u>No. Days</u>	<u>Rate</u>	<u>Total</u>
Peter H. Sevensma Consultants Ltd.				
-P.H. Sevensma Ph.D., P.Eng.	July 15,22, Aug.25(part)	1 $\frac{1}{2}$	\$170.	\$ 297.50
-H.S. Aikins, Sr. Technician	July 30-Aug.5 (part)	5 $\frac{1}{2}$	80.	440.00
-C. Sevensma, Draftswoman	July 20 (part)	$\frac{1}{4}$	55.	41.25
Edward Asp, Supervisor	July 29 to Aug.8 incl.	11	50.	550.00
Henry Asp, Line Cutter	July 29 to Aug.1 incl.	4	25.	100.00
Henry Asp, Line Cutter	Aug.2 to Aug.6 incl.	5	30.	150.00
Raymond Nehass, Line Cutter	July 29 to Aug. 3 incl.	6	25.	150.00
Raymond Nehass, Line Cutter	Aug. 4 to Aug.7 incl.	4	30.	120.00
Henry Quock, Line Cutter	Aug. 2 to Aug. 4 incl.	3	30.	90.00
Andrew H. Inkster, Line Cutter	Aug. 2 to Aug. 4 incl.	3	30.	90.00
Jim Dennis, Line Cutter	Aug. 1 to Aug.3 incl.	3	30.	90.00
Jim Dennis, I.P. Assist.	Aug. 4	1	25.	25.00
Lee S. Quock, I.P. Assist.	Aug. 3 to Aug. 5 incl.	3	25.	75.00
Wilfred Sheldon, I.P. Assist.	Aug. 3 to Aug. 5 incl.	3	25.	75.00
Archie Nehass, Cook	July 30 to July 31 incl.	2	25.	<u>50.00</u>
Total Services				\$2,343.75
Consultants Travel expenses & misc. disbursements				129.42
Field Expenses - Meals & Accomodation, 48 man days @ \$10.00 per day				480.00
- Equipment Rental, Bulldozer, Chain Saw, Car				130.90
- Fuel, Gasoline & Propane				73.24
Travel, Harrison Airways and C.P.A.				<u>278.00</u>
TOTAL COST - SERVICES & RELATED COST				<u>\$3,435.31</u>

Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 16
day of September, 1971

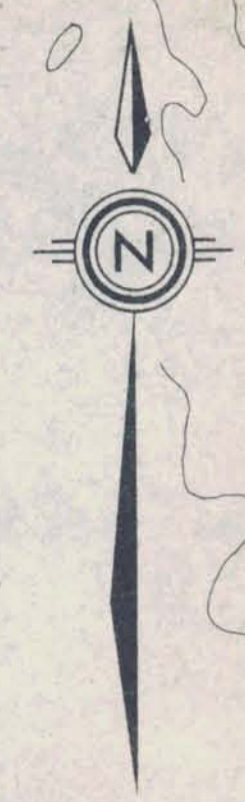
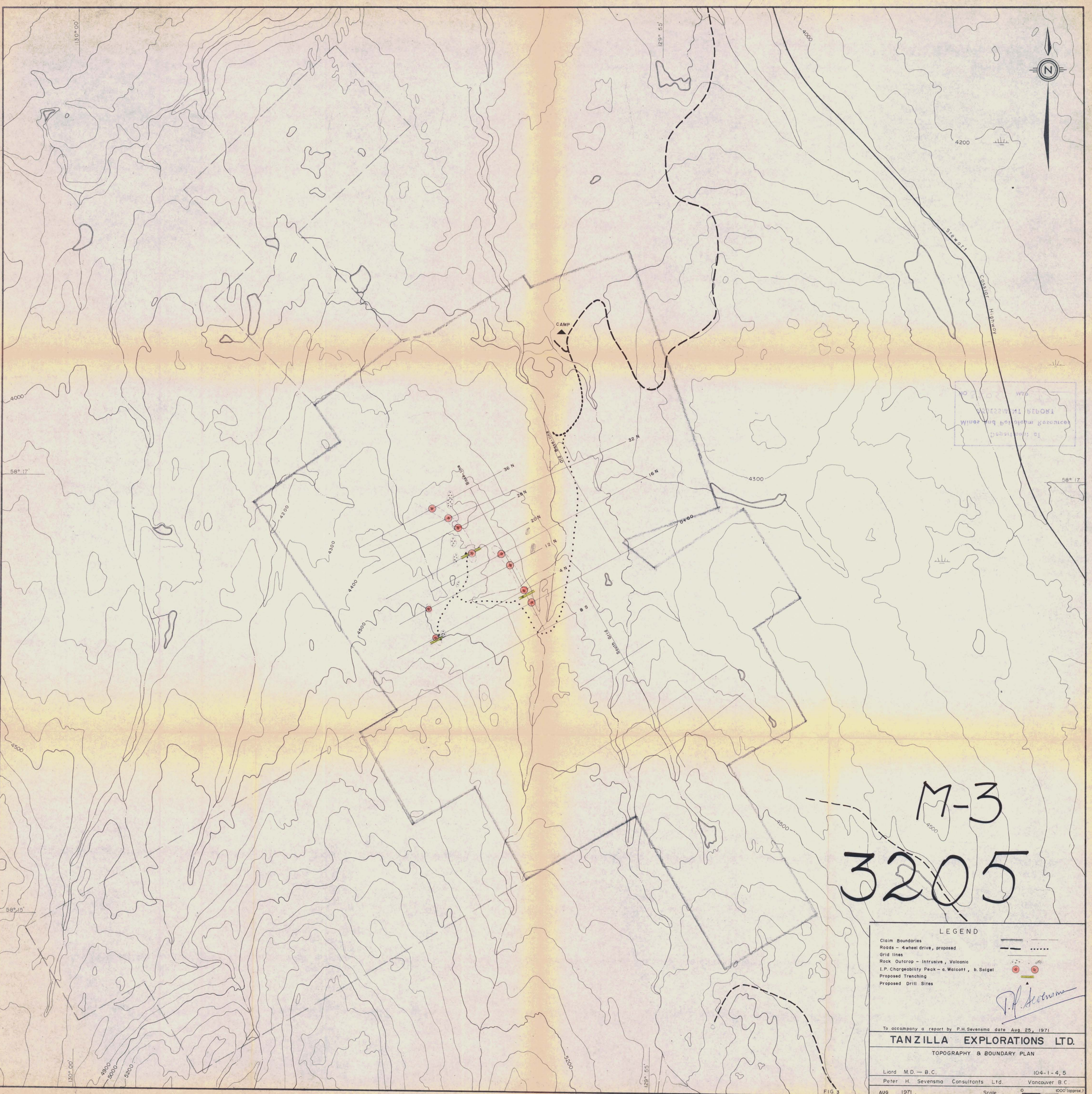
P.H. Sevensma

S. Jeannotte
A Commissioner for taking Affidavits within British Columbia or
A Notary Public for the Province of British Columbia,
Subjuring Recorder



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
 NC. 3205 MAP #11
P. H. Sevensma

TANZILLA EXPLORATIONS LTD	
LOCATION	MAP
Liard M.D.-B.C.	104-1-5
P. H. Sevensma Consultants Ltd. Vancouver, B.C.	
Dwg. No.:	Fig.
Aug. 1970	revised: Aug. 25, 1971
Scale:	0 30 miles



To be inspected by the Registrar of Titles

M-3
3205

LEGEND	
Claim Boundaries	
Roads - 4 wheel drive, proposed	
Grid lines	
Rock Outcrop - Intrusive, Volcanic	
I.P. Chargeability Peak - a. Walcott, b. Seigel	
Proposed Trenching	
Proposed Drill Sites	

P.H. Sevensma

To accompany a report by P.H. Sevensma date Aug 25, 1971

TANZILLA EXPLORATIONS LTD.
TOPOGRAPHY & BOUNDARY PLAN

Liard M.D. - B.C. 104-1-4, 5
Peter H. Sevensma Consultants Ltd. Vancouver B.C.
AUG 1971 Scale: 0 1000' (approx.)

FIG. 3