

Geochemical Report  
on the  
Tuff No. 1 and No. 2 Mineral Claims  
49<sup>0</sup>30 North Latitude, 119<sup>0</sup>00 West Longitude  
Beaverdell Area  
Greenwood Mining Division  
British Columbia  
on  
behalf of  
Talisman Silver Mines  
by  
John R. Poloni, B.Sc., P.Eng.  
January 26, 1984

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,005**

John R. Poloni & Associates Ltd.  
1512B - 56th Street  
Delta, B.C.  
V4L 2A8

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JOHN R. POLONI P. Eng.  
Consulting Geologist

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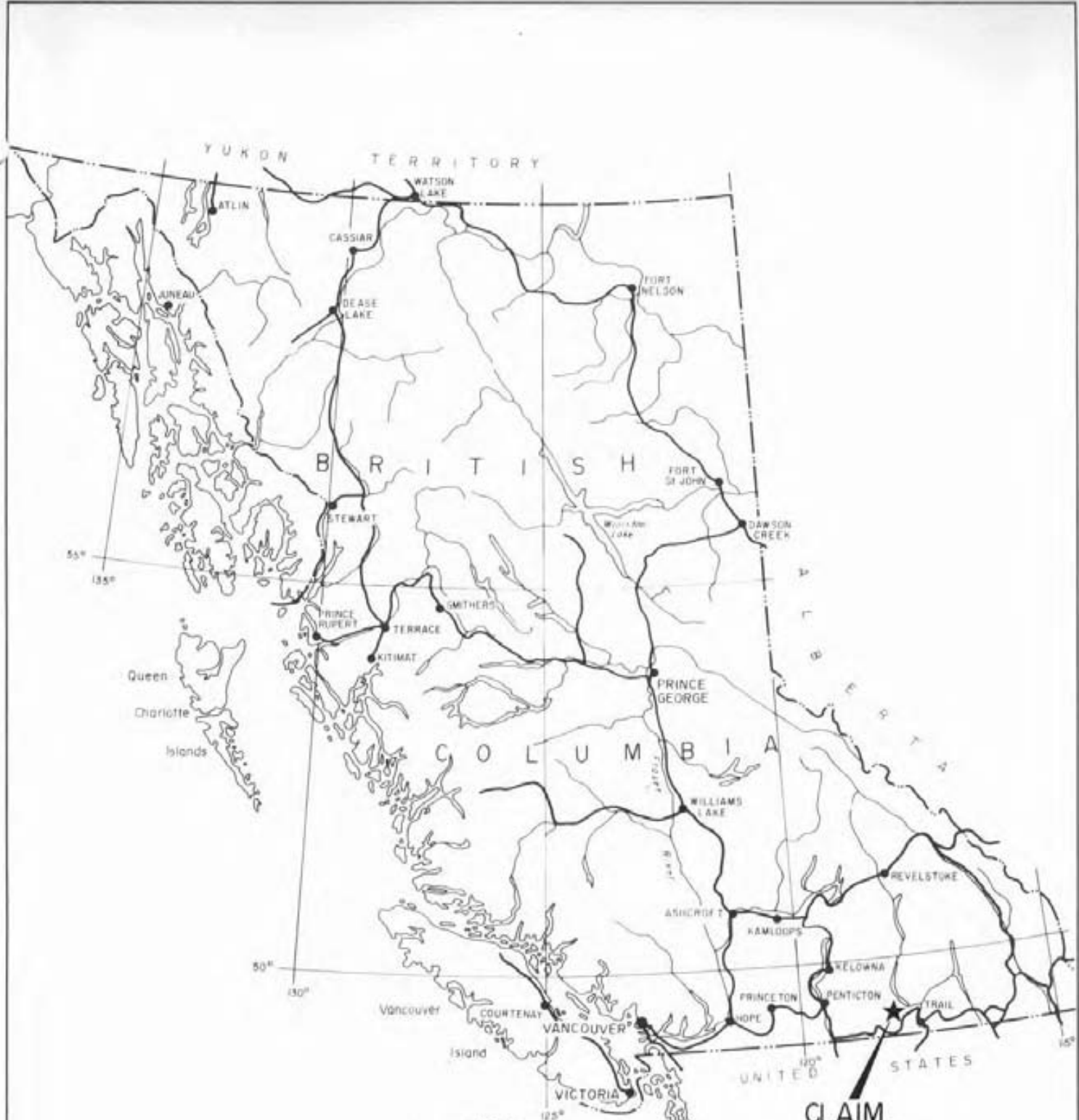
1.0 Introduction

During the period September 20 - 29, 1983, a geochemical soil survey was completed on part of the Tuff No. 1 and Tuff No. 2 claims in the Beaverdell area, Greenwood Mining Division of British Columbia. The work was undertaken by a field crew under the direction of the author.

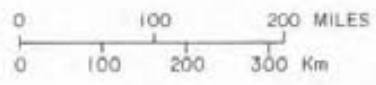
The claims lie within the Beaverdell Range of the Monashee Mountains at 49<sup>0</sup>30 North Latitude, 119<sup>0</sup>00 West Longitude, at approximately 8 miles north of Beaverdell.

Location Map

Plan No. 1



**CLAIM  
LOCATION**



TALISMAN SILVER MINES INC.		
TUFF CLAIMS		
PROPERTY LOCATION PLAN		
GREENWOOD MINING DIVISION		
BRITISH COLUMBIA		
JOHN R. POLONI & ASSOCIATES LTD.		
Drawn: J.R.P.	Checked: J.R.P.	Plan No.
Scale: As shown	Date: Jan. 26, 1984	1

## 2.0 Location and Accessibility

The Tuff claims located immediately North of Beaverdell, east of St. John Creek are accessible via secondary gravel roads leading north from the town along the height of land between Spout and St. John Creeks.

Beaverdell is situated on Highway No. 33 connecting Rock Creek and Kelowna at approximately 80 kilometers northerly of Greenwood, B.C.

The claims are shown on Map 82E/10W Greenwood Mining Division.

## 3.0 Claim Information

The Tuff No. 1 claim consists of 18 units located by Alan R. Raven on February 8 and 9, 1983, and the Tuff No. 2 claim consist of 12 units located by Alan R. Raven on February 9, 1983.

Claim data is as follows:

<u>Name</u>	<u>Locator</u>	<u>Date</u>	<u>Record No.</u>	<u>Record Date</u>
Tuff No. 1	A Raven	Feb. 8 & 9/83	3521	Feb. 23/83
Tuff No. 2	A Raven	Feb. 9/83	3522	Feb. 23/83

#### 4.0 Physical Features

The claims cover St. John and Mosher Ridges which are generally gentle upland treed areas typical of the Interior Plateau Region of the Cordilleran area of south central British Columbia.

Summer temperatures can be extremely high with frequent thunder storms. Winter snowfall is generally 1.5 - 2 meters.

Several old pits and trenches exist on the claims but generally these are of limited depth.

#### 5.0 History

The history of the area dates to the 1880's when the Phoenix-Greenwood camp was discovered. Production from Beaverdell was initially recorded in 1901 from the Sally claim, with shipments being made annually from the area for every year until 1946 except for 1911 and 1912. In 1946 the Silver Bell Mining Syndicate acquired the Beaverdell claims with Silver Bounty Mines taking over the holdings in 1947. Teck Corporation presently controls the property of the original Mastedon-Highland Bell Mine, producing from 1947 to the present time.

On the Tuff claims several shallow pits and trenches are known. These are believed to have been completed near the turn of the century.

## 6.0 Geology

The regional geology of the area consists of south south east trending topographic lineaments aligned approximately along the easterly contact of the Beaverdell Batholith. Reineke, L, has mapped the Beaverdell Batholith as intruding the larger West Kettle Batholith, as a stock like mass, 1.5 kilometers in diameter, covering the westerly part of Wallace Mountain.

The Tuff claims cover the contact environment between intrusives and limestones of the Kettle River formation. Detail mapping has not be completed on the claims but is essential.

## 7.0 Geochemical Soil Survey

Part of the Tuff claims was examined by a widely spaced geochemical soil survey as shown on Plan No. 2 included in Appendix C.

The survey grid consisted of east-west chain and compass lines 200 meters apart tied to a north-south base line run along the boundary between Tuff No. 1 and Tuff No. 2. Soil samples were collected of B horizon material, at 20 meter intervals along the lines. A total of 320 samples was collected, and submitted to Min En Laboratories in Vancouver for analysis for copper, lead, zinc, silver, and gold.

The analytical method was Cu, Pb, Zn, Ag - nitric, perchloric digestion. A.A., Au-aqua regia A.A.



7.0 Geochemical Soil Survey, cont'd.

Sample results were plotted on Plans No. 3, 4 and 5 included in Appendix C. The survey was planned to cover in a broad way the area of old pits and trenches so as to obtain general geochemical data to be used as a basis for additional surveys.

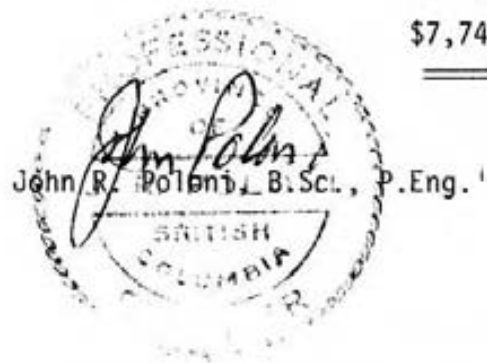
Positive geochemical response is indicated for all elements tested as shown on included plans. Detailed fill in geochemical surveys are required to properly define the indicated anomalies.



Appendix A  
Statement of Costs

Appendix A  
Statement of Costs

<u>Time</u>		
C.R. Poloni	Sept. 20 - 28, 1983	\$450.00
R. Vannier	Sept. 20 - 28, 1983	390.00
A. Raven	Sept. 20 - 28, 1983	1,200.00
J. Poloni	Jan. 24 & 25, 1984	800.00
<u>Disbursements</u>		
Truck rental	8 days @ 50.00	400.00
Min En Laboratories		3,519.30
Food		251.58
Gasoline		163.90
Supplies		29.07
Motel		113.40
Freight		11.10
<u>Report</u>		
J.W. Drafting		354.57
My Secretary		35.00
Binder & Plastics		8.25
Prints		19.50
TOTAL		<u>\$7,745.67</u>



Appendix B  
Certificate

Certificate

I, John R. Poloni, of 5502 - 8B Avenue, in the Municipality of Delta,  
in the Province of British Columbia,

DO HEREBY CERTIFY THAT:

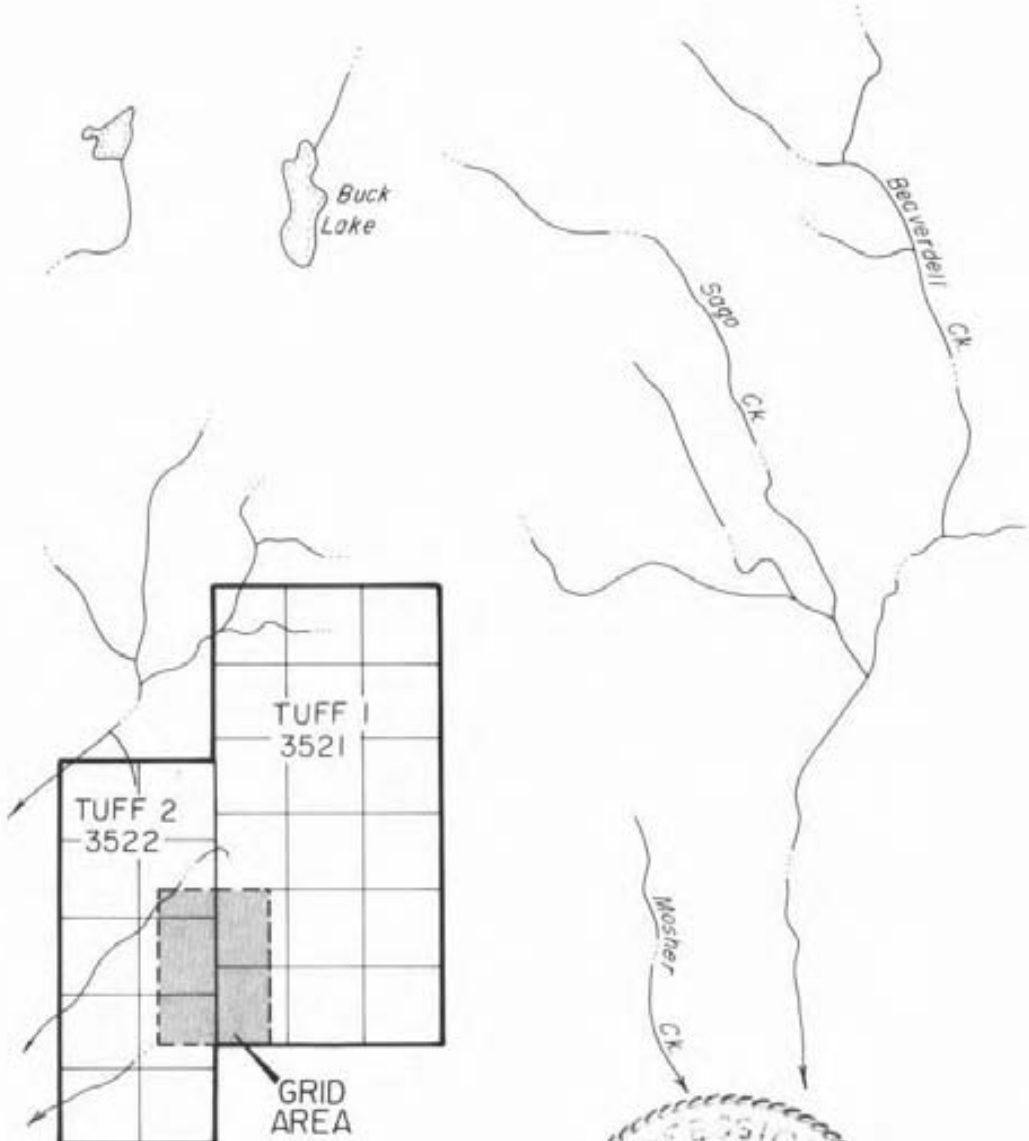
1. I am a Consulting Engineer
2. I am a graduate of McGill University of Montreal, Quebec,  
where I obtained a B.Sc. Degree in Geology in 1964.
3. I am a registered Professional Engineer in the Geological  
Section of the Association of Professional Engineers of  
the Province of British Columbia.
4. I have practiced my profession since 1964.
5. I am a Fellow of the Geological Association of Canada and  
a Member of the Canadian Institute of Mining and Metallurgy.
6. I have personally supervised the work program on the Tuff  
Claims.

Dated this 26th day of January 1984.



Appendix C

<u>Maps</u>		<u>Scale</u>
Plan No. 2	Claim Map	1:50,000
Plan No. 3	Sample Location - Copper Geochem	
Plan No. 4	Sample Geochemical Plan Lead PPM, Zinc PPM	1:2,000
Plan No. 5	Soil Geochemical Plan gold PPb, Silver PPM	1:2,000



49° 30'



TALISMAN SILVER MINES INC.

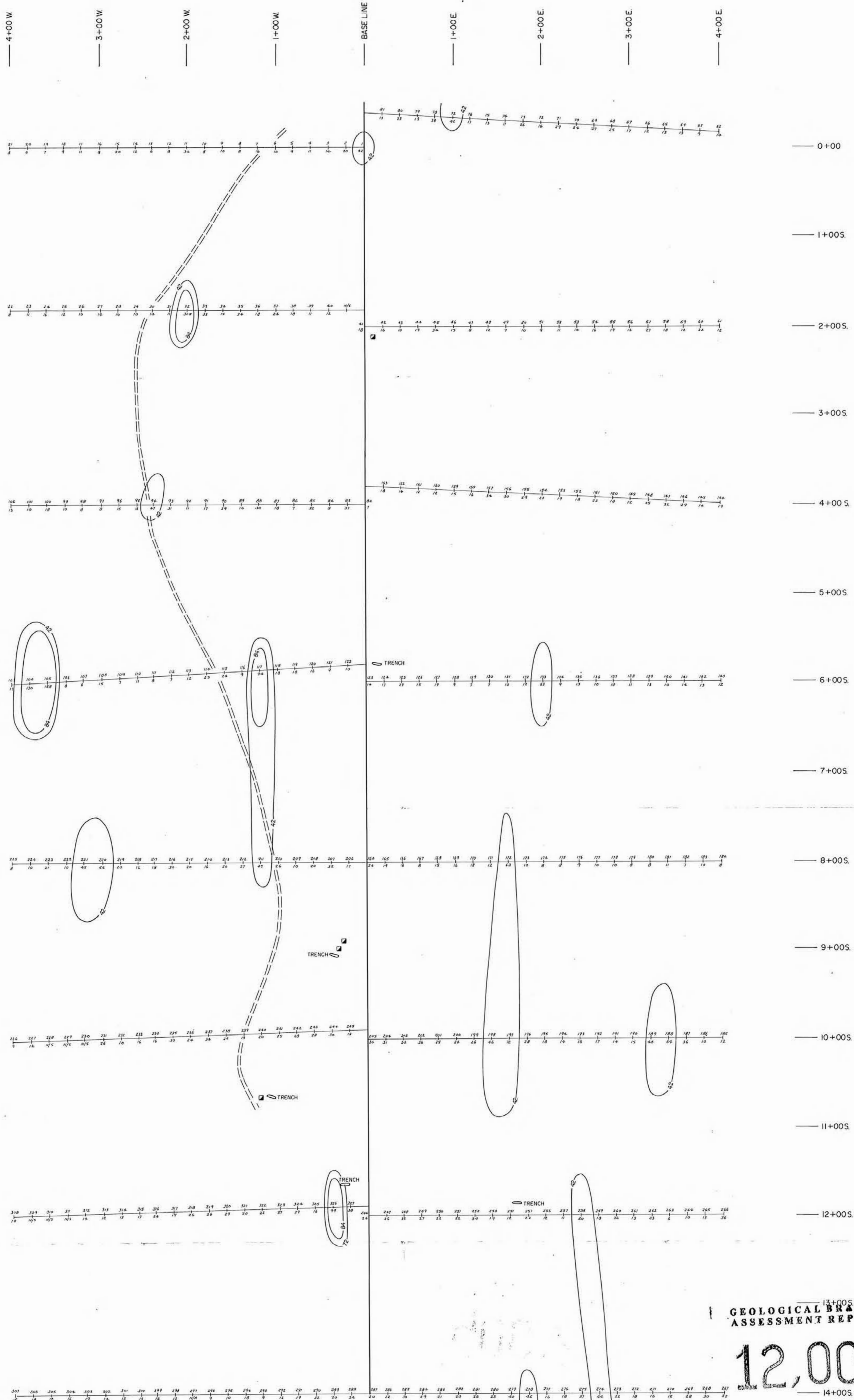
# TUFF CLAIMS CLAIM MAP

GREENWOOD MINING DIVISION  
BRITISH COLUMBIA

JOHN R. POLONI & ASSOCIATES LTD.

Drawn: J. R. P.	Checked: J. R. P.	Plan No.
Scale: 1:50,000	Date: Jan. 26, 1984	2

119° 00'




**LEGEND**  
 ANOMALOUS PARAMETERS  
 COPPER PPM MEAN 21.1  
 ANOMALOUS 42.3

13+00S  
**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

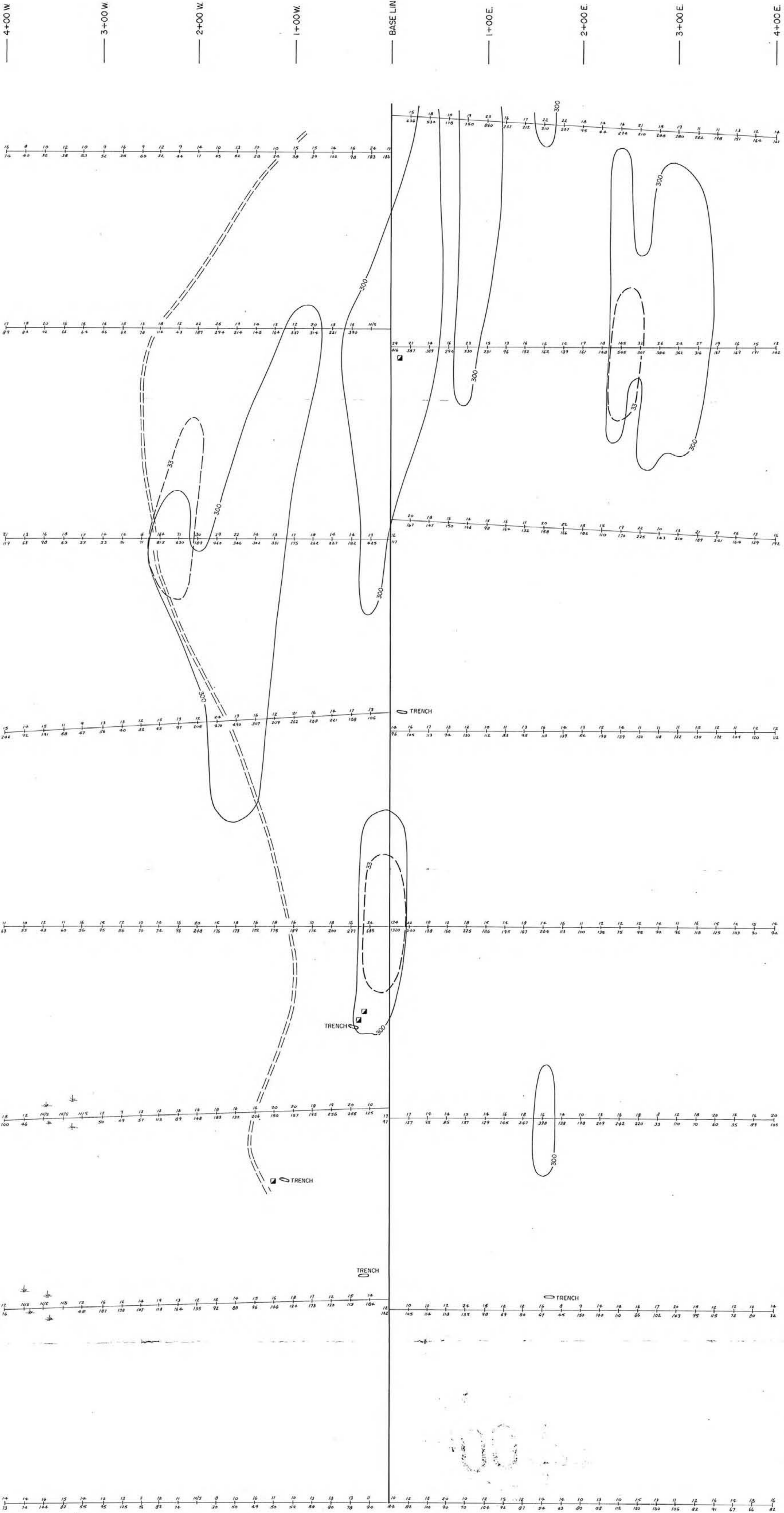
# 12,005

14+00S



TALISMAN SILVER MINES INC.		
TUFF CLAIMS		
SAMPLE LOCATION PLAN		
SOIL GEOCHEMISTRY-COPPER PPM		
GREENWOOD MINING DIVISION, B.C.		
JOHN R. POLONI & ASSOCIATES LTD.		
DRAWN: J. R. P.	CHECKED: J. R. P.	PLAN No.
SCALE: 1:2000	DATE: JAN 26, 1984	3





— 0+00  
 — 1+00S  
 — 2+00S  
 — 3+00S  
 — 4+00 S  
 — 5+00S  
 — 6+00S  
 — 7+00S  
 — 8+00S  
 — 9+00S  
 — 10+00S  
 — 11+00S  
 — 12+00S

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

12,005

— 14+00S

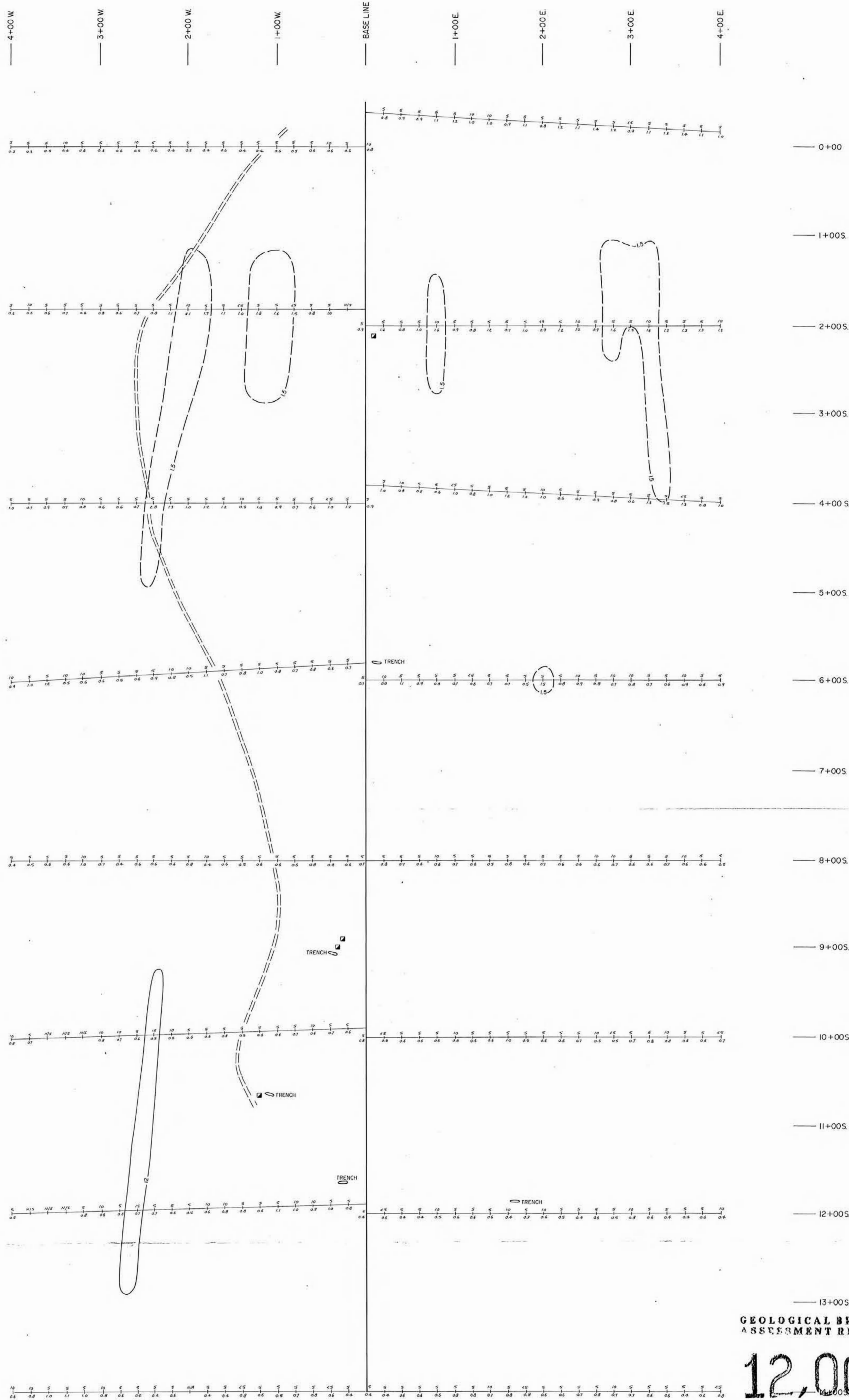


LEGEND

ANOMALOUS - PARAMETERS  
 LEAD PPM - MEAN 16.7  
 ANOMALOUS 330 ---  
 ZINC PPM MEAN 156  
 ANOMALOUS 312 ---

TALISMAN SILVER MINES INC.		
TUFF CLAIMS		
SOIL GEOCHEMICAL PLAN		
LEAD PPM - ZINC PPM		
GREENWOOD MINING DIVISION, B.C.		
JOHN R. POLONI & ASSOCIATES LTD.		
DRAWN J.R.P.	CHECKED J.R.P.	PLAN No.
SCALE 1:2000	DATE JAN 26, 1984	4





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**LEGEND**

<b>ANOMALOUS PARAMETERS</b>	
GOLD PPB	MEAN 5.97
	ANOMALOUS 12.0
SILVER PPM	MEAN 0.77
	ANOMALOUS 1.54

TALISMAN SILVER MINES INC.		
TUFF CLAIMS		
<b>SOIL GEOCHEMICAL PLAN</b>		
GOLD PPB, SILVER PPM		
GREENWOOD MINING DIVISION, B.C.		
JOHN R. POLONI & ASSOCIATES LTD.		
DRAWN: J.R.P.	CHECKED: J.R.P.	PLAN No.
SCALE: 1:2000	DATE: JAN 26, 1984	5