

84-#719-12823

**ASSESSMENT REPORT**

1984 GEOCHEMICAL SURVEY OVER  
TY 2 MINERAL CLAIM

Lillooet Mining Division

920-2E & W

Latitude: 51°04', Longitude: 122°48'

WESTMIN RESOURCES LIMITED

Marie R. Randall / Ron W. Lane

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

August 1984

**12,823**

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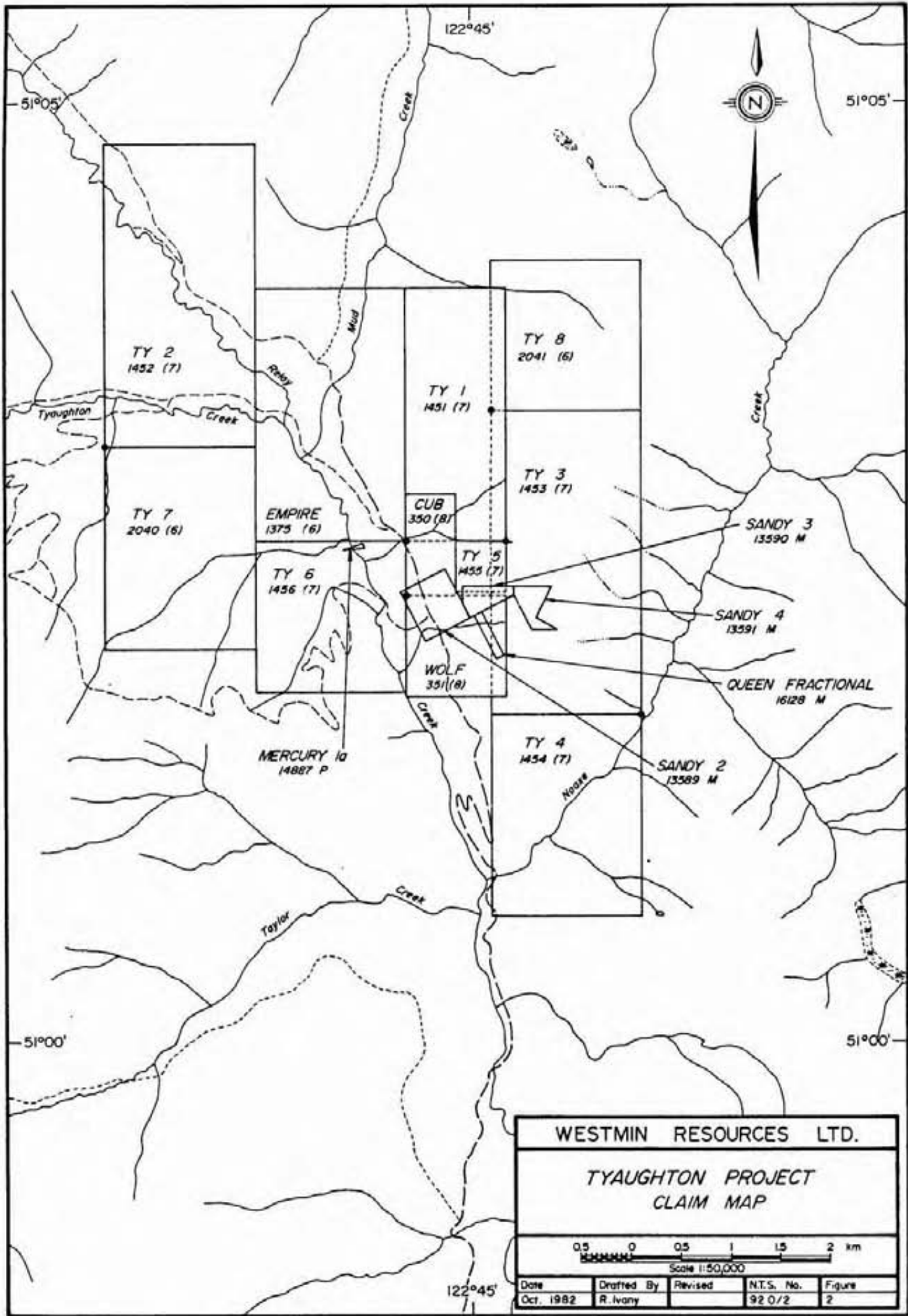
INTRODUCTION & HISTORY

The Ty 2 claim is situated at the junction of Tyaughton and Relay Creeks in the Chilcotin Range of the Coast Mountains. Elevation ranges between 1,190 metres and 1,400 metres. The slopes are generally forest-covered with pine. There is abundant wind fall along the steep northeast-facing slope adjacent to Relay Creek.

Access to the claim is via gravel road for 21.5 kilometres north of Carpenter Lake. The town of Goldbridge lies 33 kilometres to the south.

This region has been explored for many mineral commodities - mercury, stibnite, scheelite, gold, silver, lead and zinc. Approximately 1,500 lbs. of mercury was produced by Empire Mercury Mines in 1938. Between 1939 and 1942 about 19 tons of hand-cobbed ore was shipped from the Tungsten Queen and Tungsten King workings.

Interest in the area was renewed around the mid-sixties. Between 1964 and 1966, surface trenching, mine rehabilitation, percussion drilling and underground drilling was performed by Empire Mercury Corporation Ltd. on the old Empire Mercury Mines claims. In 1965, Canex undertook a regional exploration program centred around the Tungsten Queen minesite. A soil and silt geochemical survey, magnetometer survey, prospecting, mapping and trenching were carried out by Bethlehem Copper Corporation Ltd. in 1968 in the general vicinity. The Ty 2 claim was recorded for Westmin Resources Limited on July 23, 1980. In 1981 Westmin Resources established a grid on the property and took 97 soil samples. In 1984 several additional crosslines were cut and sampled.



51°05'

122°45'

51°05'



TY 2  
1452 (7)

TY 8  
2041 (6)

TY 1  
1451 (7)

Tyughton Creek

TY 3  
1453 (7)

TY 7  
2040 (6)

EMPIRE  
1375 (6)

CUB  
350 (8)

SANDY 3  
13590 M

TY 6  
1456 (7)

TY 5  
1455 (7)

SANDY 4  
13591 M

QUEEN FRACTIONAL  
16128 M

MERCURY 1a  
14887 P

WOLF  
351 (8)

TY 4  
1454 (7)

SANDY 2  
13589 M

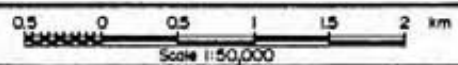
51°00'

51°00'

122°45'

WESTMIN RESOURCES LTD.

TYAUGHTON PROJECT  
CLAIM MAP



Date	Drafted By	Revised	N.T.S. No.	Figure
Oct. 1982	R. Ivany		92 0/2	2

INTERPRETAION (Figures 3, 4, 5)

Threshold and anomalous levels for the elements analysed are as follows:

<u>Element</u>	<u>Threshold</u>	<u>Anomalous</u>
Au	-	-
W	5 ppm	>20 ppm
Hg	200 ppb	>1000 ppb
Sb	5 ppm	>10 ppm

Contouring of this soil geochemical data indicates two coincident W, Hg, Sb anomalies, one centred approximately 17+50N-2+00E and a second centred about 20+00N-1+50W and extending off the northwest corner of the grid. The underlying geology of this area has not yet been mapped, hence, the source of these anomalous responses is unknown. Gold values are all <10 ppb, below an expected threshold level and therefore not contoured.

ITEMIZED COST STATEMENT: GEOCHEM SURVEY

(May 28 to May 31, 1984)

Sample Preparation & Analysis	\$1,396.39
Draughting, 2.5 days @ \$140/day	350.00
Field Supervision, 1 geologist x 4 days @ \$140/day	560.00
Geochem Survey, 1 man x 3 1/2 days @ \$73/day	<u>255.50</u>
	\$2,561.89
	<u><u>          </u></u>

ITEMIZED COST STATEMENT: PHYSICAL WORK

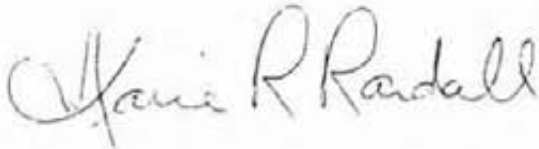
(May 28 to May 31, 1984)

Bulldozing Contractor	\$1,718.00
Field Supervision, 2 days @ \$140/day	280.00
Draughting, 1.5 days @ \$140/day	210.00
Camp Expense	240.00
Vehicle & Equipment Rentals plus Repairs	<u>613.37</u>
	\$3,061.37
	<u><u>          </u></u>

STATEMENT OF QUALIFICATION

I, MARIE R. RANDALL, of 2052 Jones Avenue, North Vancouver, B. C. V7M 2W6, do hereby certify that:

- a) I am a geologist with office address at #904 - 1055 Dunsmuir Street, Vancouver, B. C. V7X 1C4.
- b) I am a graduate of Queen's University, Kingston, Ontario, with a B.Sc. (Honours) in Geology.
- c) I have worked for approximately eight years in various phases of the geological exploration industry.
- d) I am familiar with the geochemical soil survey performed on the Ty 2 mineral claim.



Marie R. Randall  
Administrative Geologist



### GEOLOGY & MINERALIZATION

The Ty 2 claim is underlain by rocks assigned by H. W. Tipper (O.F. 534) to Middle Triassic or older Bridge River group consisting of cherty and shaley argillites, siliceous dolomites, limestones, basalt, greywackes and ultramafics. Conglomerates which may belong to the unconformably overlying Taylor Creek Group outcrop in the northwest claim area. A feldspar-biotite porphyry unit appears to cut all rocks in the general area. No mineralization has been noted to date over the claim.

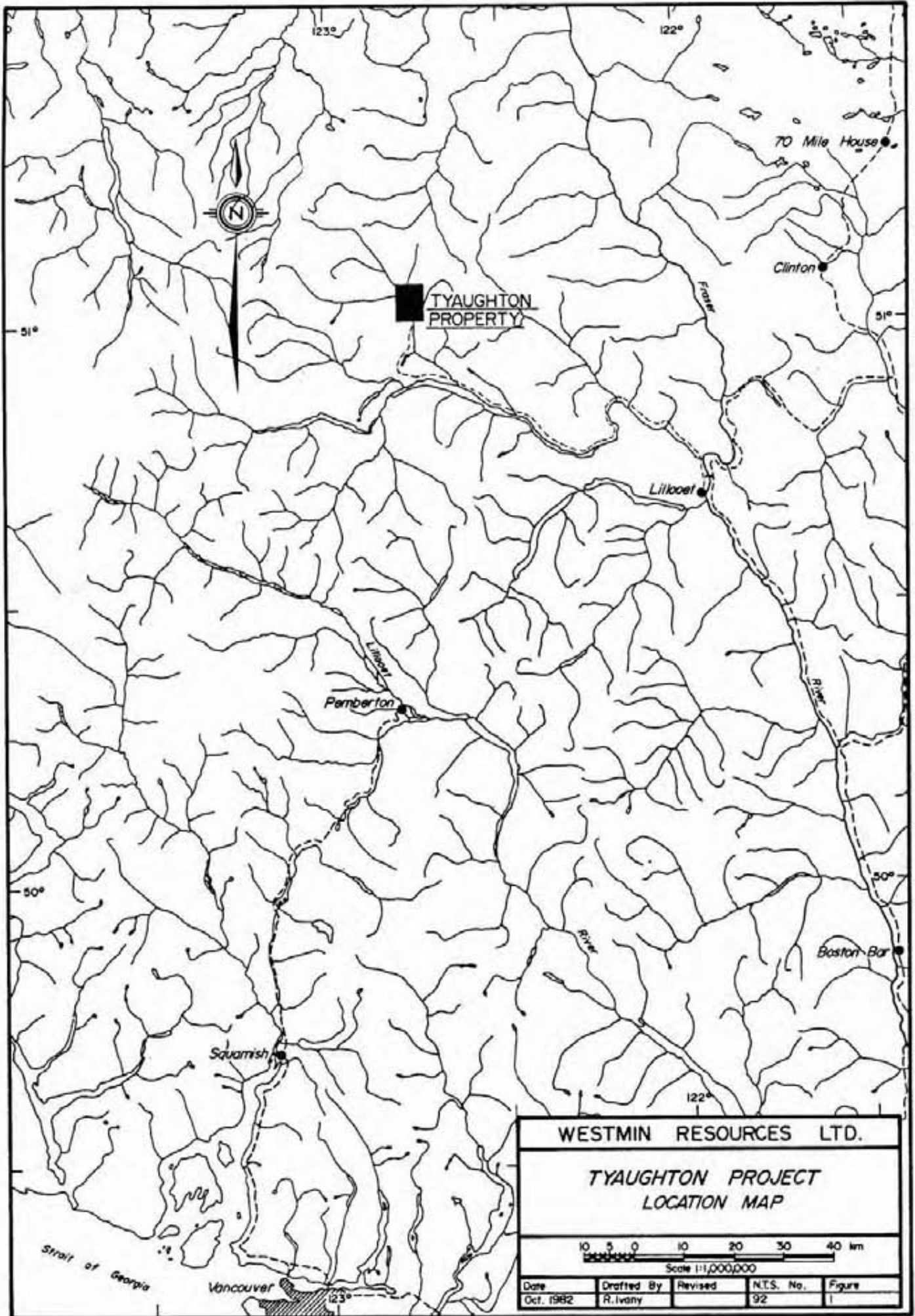
### GEOCHEMICAL SURVEY

In 1981 a two kilometer baseline trending 320° was established on the Ty 2 claim and sampled on 200 metre spaced crosslines. In 1984 several additional crosslines were cut on the northern end of the grid. These include lines 15N, 17N, 18N, 19N and 20N which are at 100 metre spacing. A total of 120 soil samples from the "B" soil horizon were collected at 25 metre spacing on the crosslines.

### ANALYSES

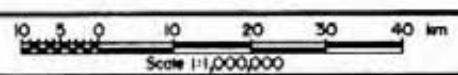
The soil samples were analysed by Chemex Laboratories in North Vancouver for W, Sb, Hg and Au. Sample preparation included sieving to -80 mesh. Analyses were as follows:

- Au - Aqua Regia digestion and AA finish
- W - 3, 4 Duthiol Colormetric
- Hg - Stenous Sulphate reduction and Flameless AA finish
- Sb - HCl and  $KClO_4$  digestion, TOPOMIBK extraction and AA finish

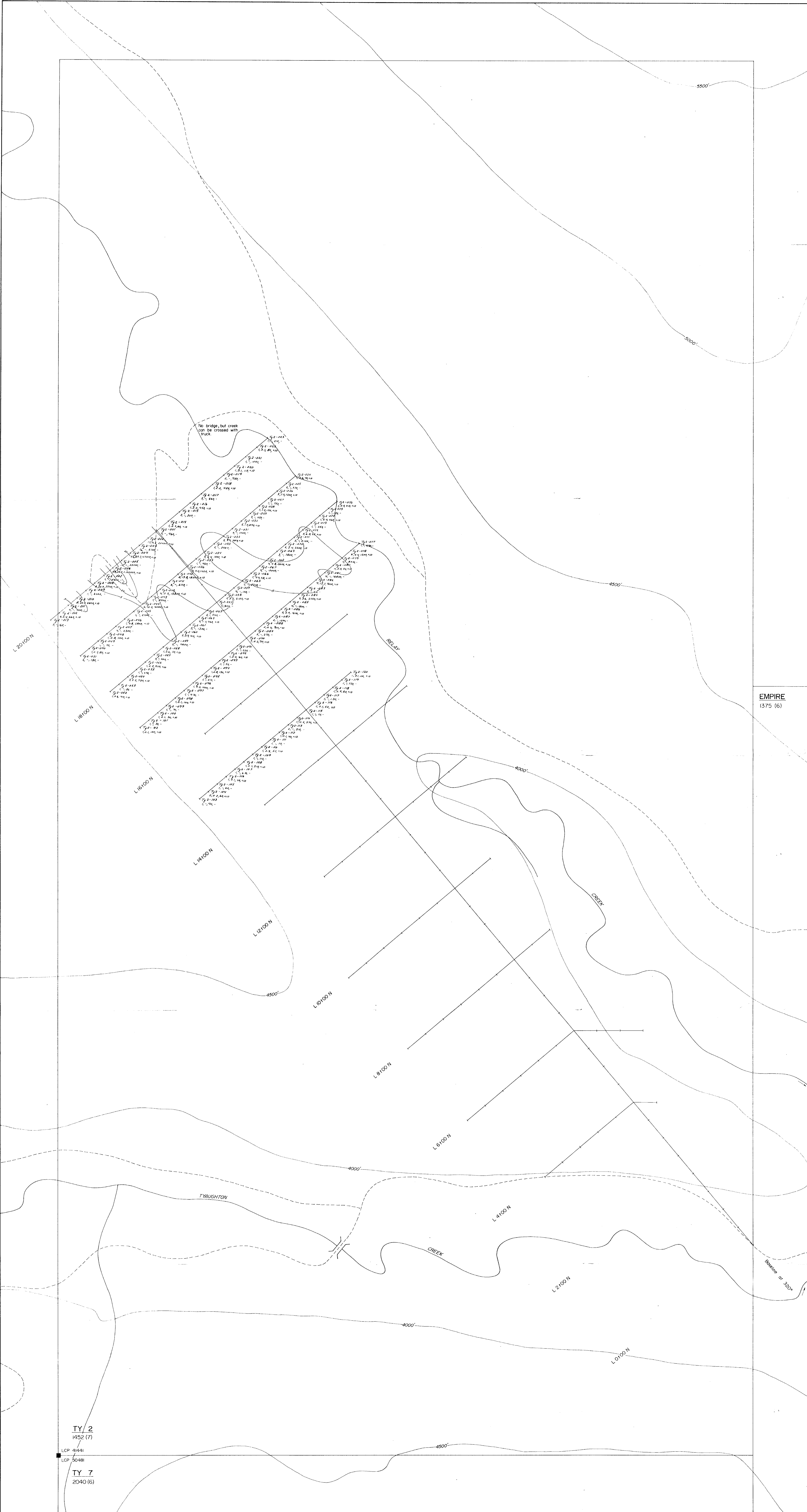
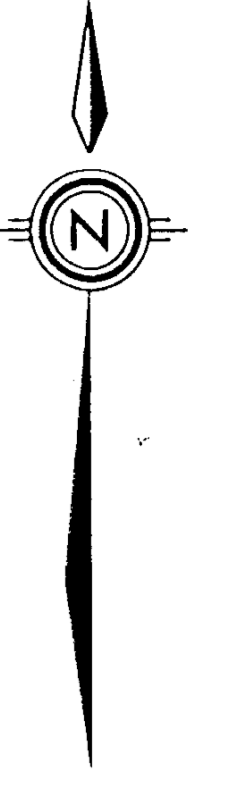


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**TYAUGHTON PROJECT  
LOCATION MAP**



Date	Drafted By	Revised	N.T.S. No.	Figure
Oct. 1982	R. Ivany		92	1



EMPIRE  
1375 (6)

- W Contours
- 5-19ppm
  - 20-49ppm
  - ≥50ppm

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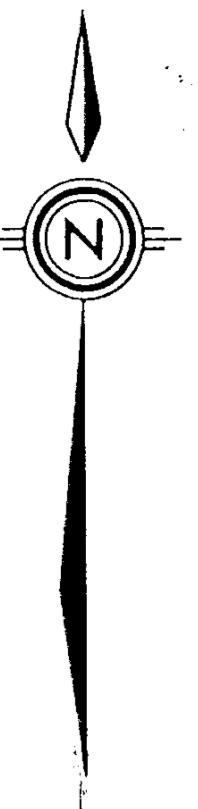
WESTMIN RESOURCES LTD.					
TYAUGHTON PROJECT					
SOIL GEOCHEMISTRY RESULTS					
W, Sb (ppm), Hg, Au (ppb)					
TY 2 GRID					
Scale 1:2,500					
Date	Drafted By	Drawn By	Revised	N.T.S. No.	Figure
June 1994	R. Ivory	R. Lane		92 0/2	3

TY 2  
1452 (7)

LCP 01441

LCP 50481

TY 7  
2040 (6)



- Sb. Contours
- 5-9 ppm
  - 10-19 ppm
  - ≥20 ppm

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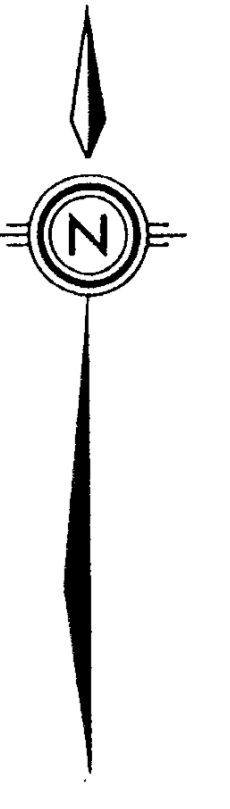
WESTMIN RESOURCES LTD.					
TYAUGHTON PROJECT					
SOIL GEOCHEMISTRY RESULTS					
W, Sb (ppm), Hg, Au (ppb)					
TY 2 GRID					
Scale 1:2,500					
Date	Drafted By	Drawn By	Revised	N.T.S. No.	Figures
June 1984	R. Ivary	R. Lane		92.0/2	4

TY 2  
1452 (7)

LCP 41441

LCP 50481

TY 7  
2040 (6)



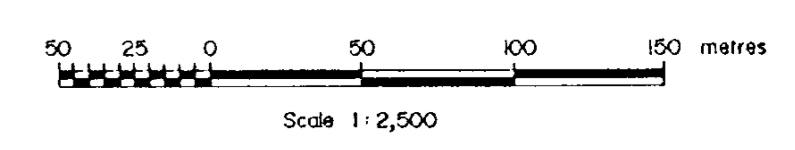
- Hg Contours
- 200-999 ppb
  - 1000-9,999 ppb
  - 10,000-99,999 ppb
  - ≥100,000 ppb

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WESTMIN RESOURCES LTD.

**TYAUGHTON PROJECT**  
SOIL GEOCHEMISTRY RESULTS  
W, Sb (ppm), Hg, Au (ppb)  
TY 2 GH10



Date	Drafted By	Drawn By	Revised	N.T.S. No.	Figure
June 1984	R. Ivany	R. Lane		92 Q/2	2

TY 2  
1452 (7)  
LCP 41441  
LCP 50481  
TY 7  
2040 (6)