

Geological, Geochemical and Radiometric Report

on the

Ting Claims, Yukon

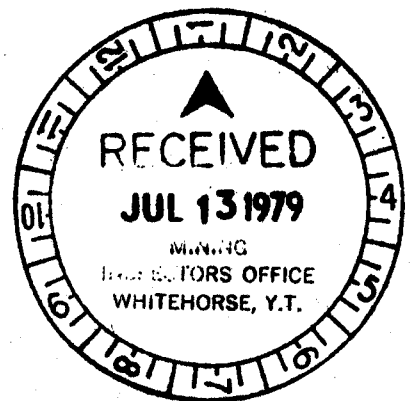
Latitude 60° 31' North
Longitude ~~132° 25'~~ West
125° 53'

NTS 95C/12

by

J.C. Harrison, B.Sc.

Covering field work completed July 27 - Aug. 20, 1978



090481

June 9, 1979

St. Joseph Explorations Limited
970 Laval Crescent, #5
Kamloops, B.C.
V2C 5P5

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 10,500.00

J. A. Mann
A/ Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

B. R. Baxter
B. R. BAXTER
Supervising Mining Recorder
Commissioner of Yukon Territory



TABLE OF CONTENTS

INTRODUCTION and SUMMARY

CONCLUSIONS and RECOMMENDATIONS

	<u>Page</u>
LOCATION and ACCESS.....	1
PHYSIOGRAPHY and GLACIATION.....	1
CLAIMS and OWNERSHIP.....	1
HISTORY and PREVIOUS WORK.....	2
1978 PROGRAMME.....	2
GEOLOGICAL SETTING.....	2
DETAILED GEOLOGY and MINERALIZATION.....	3
STRUCTURE.....	4
SOIL GEOCHEMISTRY.....	5
SCINTILLOMETER SURVEY.....	7
REFERENCES.....	9
STATEMENT OF QUALIFICATIONS.....	10

ILLUSTRATIONS

Figure 1 - Location Map

Map 1 - Geology

Map 2 - ppm Lead

Map 3 - ppm Zinc

Map 4 - ppm Molybdenum

Map 5 - ppm Uranium

Map 6 - ppm Fluorine

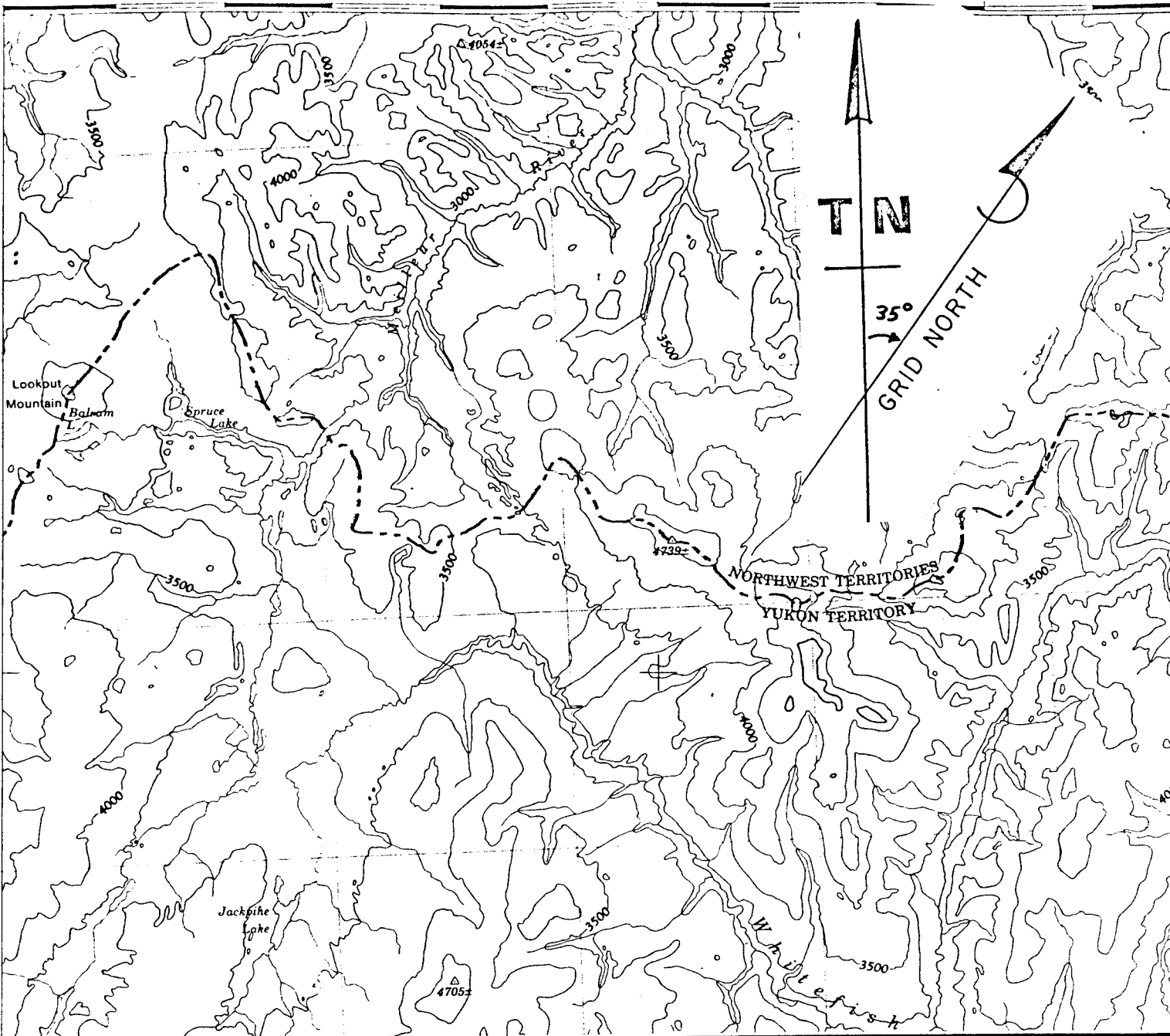
Map 7 - Scintillometer Survey, Total Counts

Map 8 - Scintillometer Survey, T_2 , T_3 , C_{Tu}

61°00'

126 00

15



45'

30'

Ting Claims



ST. JOSEPH EXPLORATIONS LIMITED

TORONTO, CANADA

TING CLAIMS, YUKON

Location Map.

SCALE: 1:250,000

APPROX. LAT. & LONG. OF LOWER RT. COR. OF DWG.

$60^{\circ} 32' 00''$ LATITUDE
 $125^{\circ} 53' 00''$ LONGITUDE

PROJECT NO. 6262.2

REPORT NO. _____

SHEET NO. _____

N.T.S. 95/12

INTRODUCTION and SUMMARY

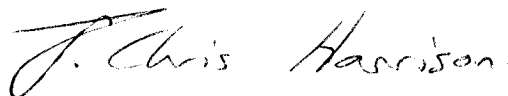
Geological and geochemical surveys were conducted on the Ting Claims, 100 miles northeast of Watson Lake, Yukon from July 27 to August 20, 1978. Soil samples were collected at 50 meter stations along lines 400 meters apart. These were then analyzed for Pb, Zn, Mo, U and F. A selected number of rock samples collected were also analyzed for these elements. Geological mapping and prospecting was undertaken along 200 meter lines during the same period as the geochemical survey. Lines established with compass and topofil were tied into a baseline 3.6 km long.

Alkaline intrusive rocks exposed in the area were emplaced into lower Paleozoic shales, carbonates and clastic sediments. Vein-type lead, zinc, and molybdenum mineralization has been found in the vicinity of the intrusive contact within the claim block. Relatively high lead and zinc anomalies were obtained from these areas. Uranium analyses were generally very low.

CONCLUSIONS and RECOMMENDATIONS

Mineralization is thought to be related to hydrothermal veins generated comagmatically. Geophysics and more intensive soil and geological surveys are recommended in order to explain several geochemical anomalies that are not coincident with known mineralization.

Respectfully submitted,



J.C. Harrison, B. Sc.
June 9, 1979

LOCATION and ACCESS

The Ting Claims are located in the extreme south-east Yukon (lat. 60°32' N., long. 125°53' W.; NTS Jackpine Lake, 95C/12) sixty kilometers north of the B.C. border and 160 km east-north-east of Watson Lake within Watson Lake Mining Division.

Access is by helicopter from Watson Lake. Several landing sites had to be cut in the vicinity of the claims since the area is densely wooded. The nearest lake, large enough to land fixed wing aircraft, is Jackpine Lake, 13 kilometers to the northeast.

PHYSIOGRAPHY and GLACIATION

The area is toward the southern terminus of the Logan Mountains and is typified by rolling spruce forested hills, deeply incised valleys, and a few bare knobs above the 4000 foot (1200 meter) treeline.

Nearly all the claim ground was burnt over in the last 10 years. Recent burn is still free of undergrowth. However, blowdown slash, dense immature lodgepole, and high brush typifies most of the claim block. Outcrop is common on ridge crests and along incised river valleys.

Proximal boulder till covers northeast slopes while glacial gravel fans rest against the base of southwest slopes. Indicated direction of glacial advance is from the WSW by ice lobes following pre-existing valleys.

CLAIMS and OWNERSHIP

Grant numbers, names and due date for the Ting Claims are summarized in the following table.

TING CLAIM SUMMARY

<u>Grant No.</u>	<u>Name</u>	<u>Due Date</u>
YA 34320-YA 34340	Ting 1-21	July 26, 1979.

Total: 21 Claims

The claims are located in a single block with no internal fractions (see fig.1). The claims are owned by St. Joseph Explorations Limited.

HISTORY and PREVIOUS WORK

Various regional geological mapping surveys by the GSC were carried out in 1945, 1957, and 1972. This work is summarized in the GSC Preliminary 32-195 and the 1:250,000 scale GSC Map 1380A, LaBiche River. No known mineral exploration activity has been undertaken in the vicinity of the Ting Claims, although several stream geochemical surveys have been completed throughout the region within the last five years. This work was presumably aimed at discovering shale-hosted base metal, and carbonate hosted lead-zinc mineralization.

1978 PROGRAMME

Twenty-one (21) Ting Claims were staked on July 25, 1978 and were recorded in Watson Lake the following day. This target area was established from regional stream geochemical anomalies associated with the southern contact area of a small alkalic intrusion. The 3.6 km base line cut in the following days runs the length of the claim block from a point 100^N, 100^E established at claim post 1 of Ting 18. Nine (9) cross lines, 800 to 1200 meters long were established by chain and topofil at 400 meter spacing. In addition four (4) detail lines of shorter length were surveyed in a similar manner at a 200 meter interval, for a total of 21.6 km of line.

264 soil samples were collected from the B horizon at 50 m intervals along these lines. These were shipped to Bondar-Clegg in Whitehorse and analyzed for Pb, Zn, Mo, U and F.

Geological mapping and prospecting was then undertaken along established and imaginary 200 meter lines.

GEOLOGICAL SETTING

Lower Paleozoic, Selywyn Basin shales are progressively overlain by Devonian platform carbonates and Mattson Formation sandstones and shales. Cretaceous tectonic elements (warps, west and east directed thrust faults, gravity block faults) dominate the structural picture.

The alkaline intrusive on and near the Ting Claims, and another syenite in LaBiche Map area were presumably emplaced (into these sedimentary rocks) during the Late Cretaceous or Early Tertiary. Furthermore, both plutons appear to have been emplaced along the same structure: the Beaver River Thrust and its extension north of the Beaver River fault. (R.J.W.Douglas, 1972; GSC Map 1380A; R.A.Price and R.J.W.Douglas, 1972.)

DETAILED GEOLOGY and MINERALIZATION

Detailed geological mapping has revealed two periods of magmatic activity in the vicinity of the Ting Claims. Conjugate block fault structures determined the specific location of an early quartz-bearing syenite. Volcanic breccias and their associated vent feeder pipe have been mapped, and testify to extrusive activity at this time.

After a period of renewed faulting, a nepheline syenite (foyaite) magma reutilized the pre-existing faults and intruded the 'Early Syenite'. Under tectonically quiescent conditions, it fractionated to form a lower agpaitic foyaite, a roof of leucocratic sodalite foyaite, and a core of sphene rich foyaite. Alkali and volatile rich fluids may have been driven from the remaining magma at this stage, to form hybrid silts and dykes.

Several potentially interesting lead, molybdenum and zinc bearing veins found within the contact zone of the intrusion may also have been generated from these late crystallizing fluids. (L.93^N/99.5^E; L.97.5^N/101.5^E; L.100^N/102^E; L.104^N/100.5^E). Host rocks to mineralization include quartzite, carbonates and fractures in the early quartz syenite.

STRUCTURE

The cone shaped Ting intrusive appears to have been emplaced into a small anticlinal structure (with a shallow SW trending fold axis). The western limb of this fold appears to have been faulted into contact with a sequence of platform carbonates. The actual structural relations in this part of the claim block have not yet been adequately worked out due to a paucity of outcrop. The significance of pre-existing faults on the location of this magmatic centre has already been alluded to.

TABLE OF FORMATIONS

<u>Period</u>	<u>GSC Map Unit #</u>	<u>Property Map Unit</u>	<u>Lithology</u>	<u>Thickness</u>
Tertiary or Cretaceous (?)	Tt	9,10,11,12,13, 14,15,16	Nepheline syenite, syenite, foyaite, tinguaita, breccia	
Cretaceous (?)	Ky	5,6,7,8	'Early Syenite' quartz syenite, syenite, porphyritic quartz syenite, vent porphyry, breccia	
Mississippian	Cpm	4	Mattson Formation : grey sandstone, massive bedded grey to brown sandstone, minor shale	
Devono-Mississippian	DM _{BR}	2	Besa River Formation : dark grey shale, siltstone	
Devonian	mDL, mDA	3	Landry, and Arnica Formations. : limestone, dolomite	
Siluro-Ordovician	OSD	1	Road River Formation : shale, limestone	

SOIL GEOCHEMISTRY

264 soil samples were collected in August, 1978. Of these 94% were B horizon samples. The remainder (16 samples) were obtained (at 20 to 30 cm) from the A₁ horizon. In areas of spruce forest, a permafrost layer was often encountered. However, most of the grid is within a 7 to 10 year old burn, and B horizon samples are often within 10 to 20 cm of the surface.

Steep slopes and abundant outcrop ensured a residual soil. Boulders on most south and east facing slopes travelled only a few meters from outcrop or subcrop. On shallow north facing slopes and lower west facing slopes proximal boulder till and distal gravel till are respectively found. Transport of geochemical values occurs generally over short distances, since steep slopes are often short. In the ridge and gully terrain south of L.100^N secondary dispersion is most pronounced in a southwest direction. This is subparallel to bedrock structure. North of L.100^N secondary dispersion is down slope to the east. However, geological structures are parallel to the north to north-east trending intrusive contact.

An attempt has been made to contour results for each element. It has been necessary to bias the contours between grid lines. It is thought that this more closely reflects the bedrock structural trends throughout the map area as well as the secondary dispersion pattern south of L.100^N. It should be stressed here that many linear zones are only two or three samples within a contour interval that happen to be on bedrock or dispersion trend with each other.

Arithmetic contour intervals have been chosen for fluorine and molybdenum: geometric intervals for lead, zinc and uranium.

<u>Element</u>	<u>Threshold</u>	<u>Definitely anomalous limit</u>
Pb	360	780
Zn	500	1500
Mo	12	31
U	2	4
F	650	1800

The distinction of a separate anomalous lead population is highly questionable. The cumulative frequency % plot suggests that there is a continuous variation of single source lead from minor igneous disseminations, through minor veinlets to larger unknown vein systems (perhaps). All lead concentrations greater than 200 ppm in soils occur in areas underlain by platform carbonates in the vicinity of the intrusive contact.

Zinc in the possibly anomalous population occurs in linear bands often coexisting with lead or uranium and fluorine. The definitely anomalous population is clustered in one area along line 84 and may occur with molybdenum. This appears to be a break in slope anomaly with some short secondary dispersion.

Possibly anomalous molybdenum may reflect locally higher background values over Road River Shales in the western corner of the sampled area. Definitely anomalous values appear to coexist with zinc mineralization.

The possibly anomalous uranium encloses 15% of the data. These values fall generally in the contact and fenitized halo of the intrusive. Definitely anomalous soil samples are related to hybrid sills. Unfortunately all anomalous values are disappointingly low.

Fluorine in soil is widely distributed. It is most notably enriched (possibly anomalous population) over platform carbonate exposures, in fluorine metasomatized sedimentary contact zone units and over fluorite-bearing intrusive rocks. Definitely anomalous fluorine values occur over significant bedrock fluorite concentrations such as in fluoritic skarn or hybrid fluoritic dykes.

Since fluorine is extremely mobile under surface geochemical conditions, fluorine in soils will occur as fluorite. Fluorine in organic complexes is too easily removed by groundwater to be retained in the B horizon. Hence soils near bedrock will show larger fluctuations in fluorine. Where soil and overburden is deep, most residual fluorite will be either removed geochemically or only found at depth. Strong fluorite concentrations in the bedrock will be represented by lower and broader anomalies on surface.

SCINTILLOMETER SURVEY

A McPhar TV-1 scintillometer was carried over the Ting claims. T_1 , T_2 , and T_3 were recorded at each 50m. soil station. T_1 readings were also taken on a reconnaissance of the remaining unclaimed intrusive. (400m lines, 50m stations). To pinpoint radiometric anomalies, the scintillometer was left on T_1 (total counts) between stations and between lines. Counts due to uranium alone were calculated from T_2 (U+Th) and T_3 (Th) correcting for background. However, spurious results were encountered throughout the survey from these calculations. These uranium counts often worked out negative. All that can be really said, is that where T_2 (U+Th) is high but calculated uranium counts are negative, then U and Th are both present but in unknown proportion. Presumably, where the U count is strongly positive, the U to Th ratio is high. No attempt was made to contour T_2 , T_3 or Ctu (uranium counts) for this reason. However, radioactive anomalies were pinpointed by considering the statistical distribution of T_2 values. $T_2 > 275$ counts/min are considered anomalous.

The following types of anomalies were encountered:

- 1) 'Early Syenite' contacts with foyaite (especially agpaitic foyaite.
- 2) Tinguaitite, and other hybrid dykes.
- 3) Microshear zones in foyaite; fault structures.
- 4) Talus and large outcrops.
- 5) Transported anomalies.
- 6) Other.

'Other' anomalies include ones found in areas of poor exposure where an explanation has not yet been found. Two of these occur near the intrusive contact.

T_1 (total counts due to U+Th+K) was found useful in defining the intrusive contact in areas of poor exposure. In general, the average counts for outcrop and subcrop are as follows by rock type.

<u>Rock Type</u>	<u>Total Counts Outcrop</u>	<u>Total Counts Subcrop</u>
'Early Syenite'	15,000-30,000 cpm	8,000-10,000 cpm
Foyaite, alkali syenite	8,000-12,000 cpm	3,000- 6,000 cpm
Sedimentary rocks	2,000- 2,500 cpm	1,000- 2,000 cpm

In areas of poor exposure, intrusive-sedimentary contacts can be pinpointed to within a few meters by a near doubling of the total counts. Most rock geochemical sampling for U was done in conjunction with the scintillometer survey. Results suggest that most radioactivity is in the form of Th.

REFERENCES

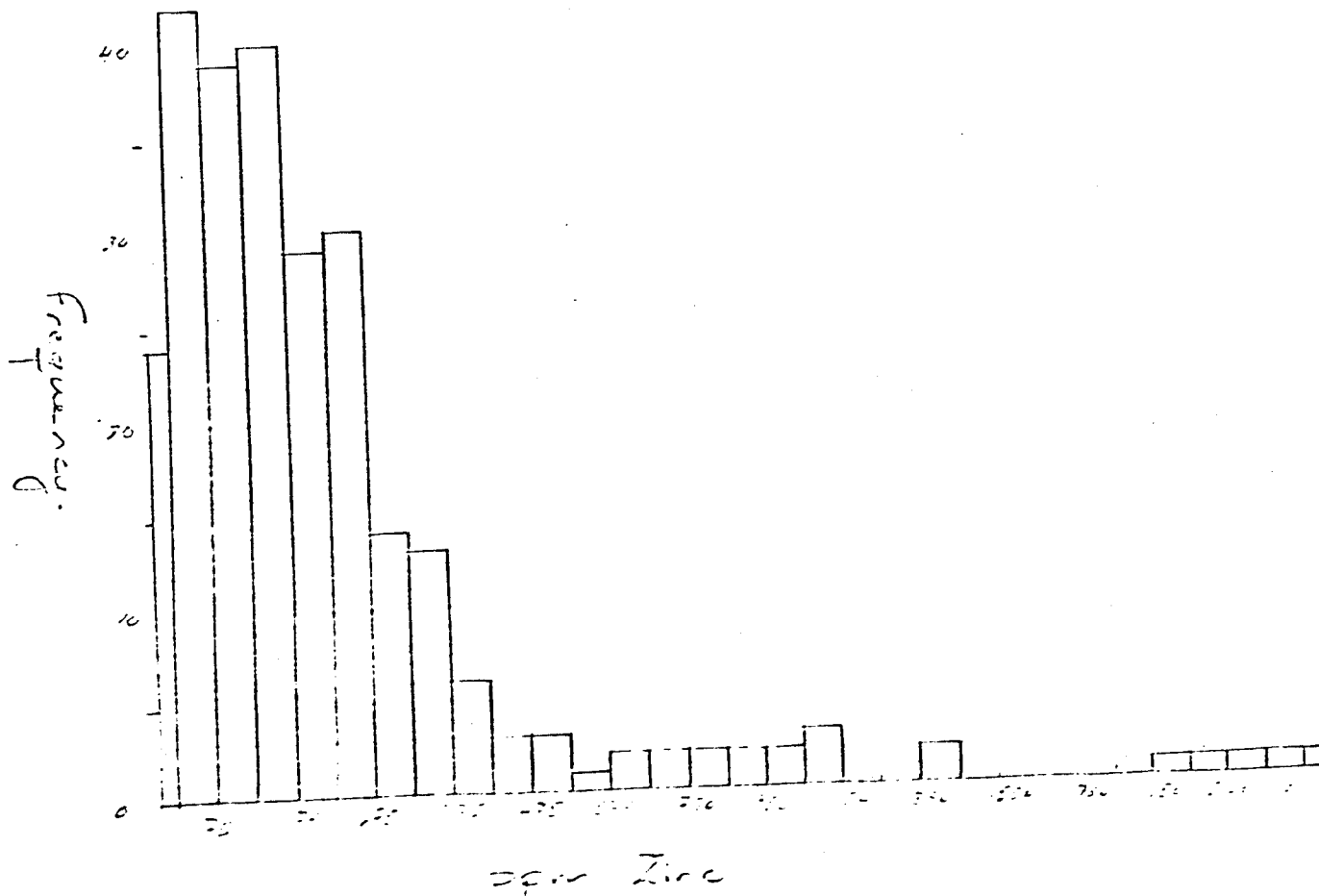
R.J.W.Douglas, 1972 - "Geology and Economic Minerals of
Canada" GSC Economic Geology Report No.1.

"LaBiche River" - GSC Prelim. 32-1959, GSC Map 1380A,
scale 1:250,000, 1972.

Price, R.A. and Douglas, R.J.W., 1972 - "Variation in Tectonic
Styles in Canada" GAC Special Publication 11.

Appendix II
Zinc in soil's

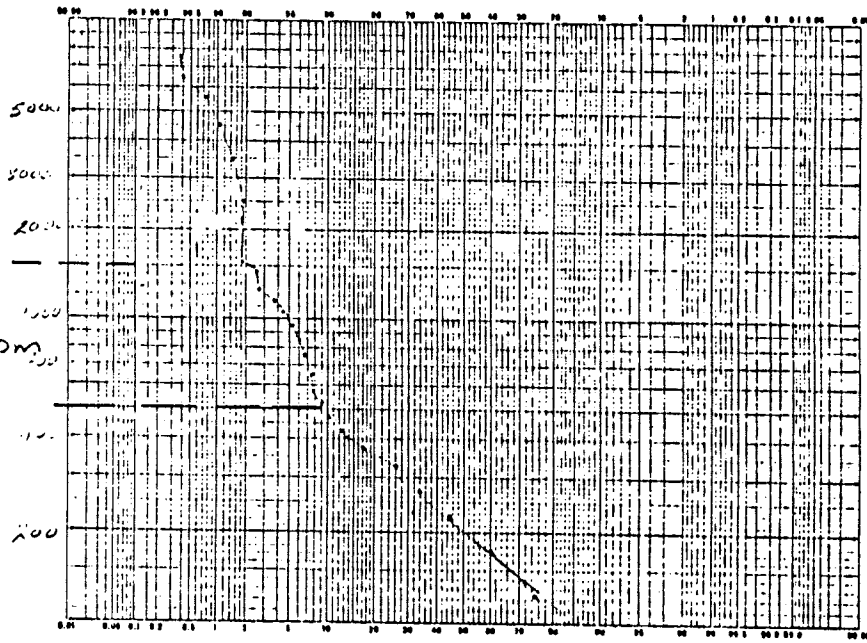
N = 264



Zinc in soils.

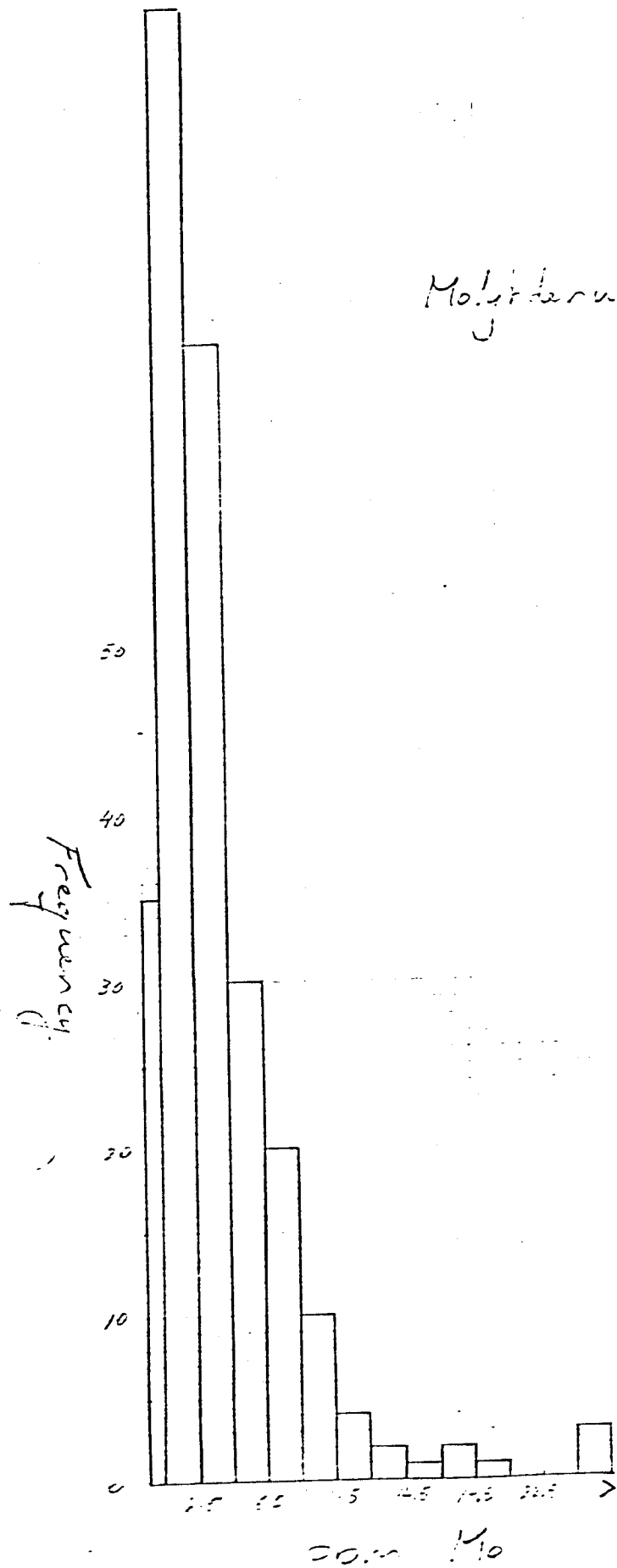
N = 264

Definitely anomalous >1500ppm
Possibly anomalous 500-1500ppm



Molitorum in soils

N = 264

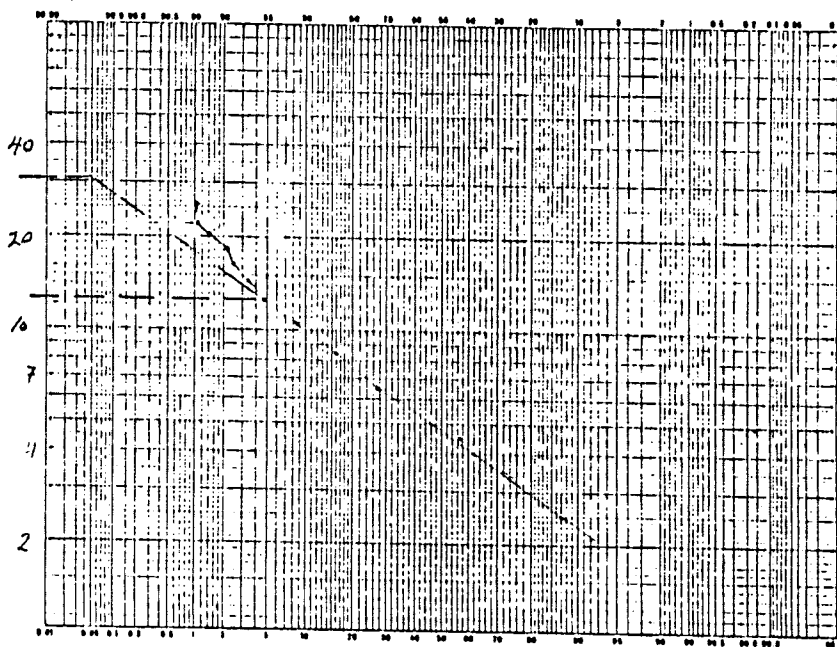


Molybdenum in soils.

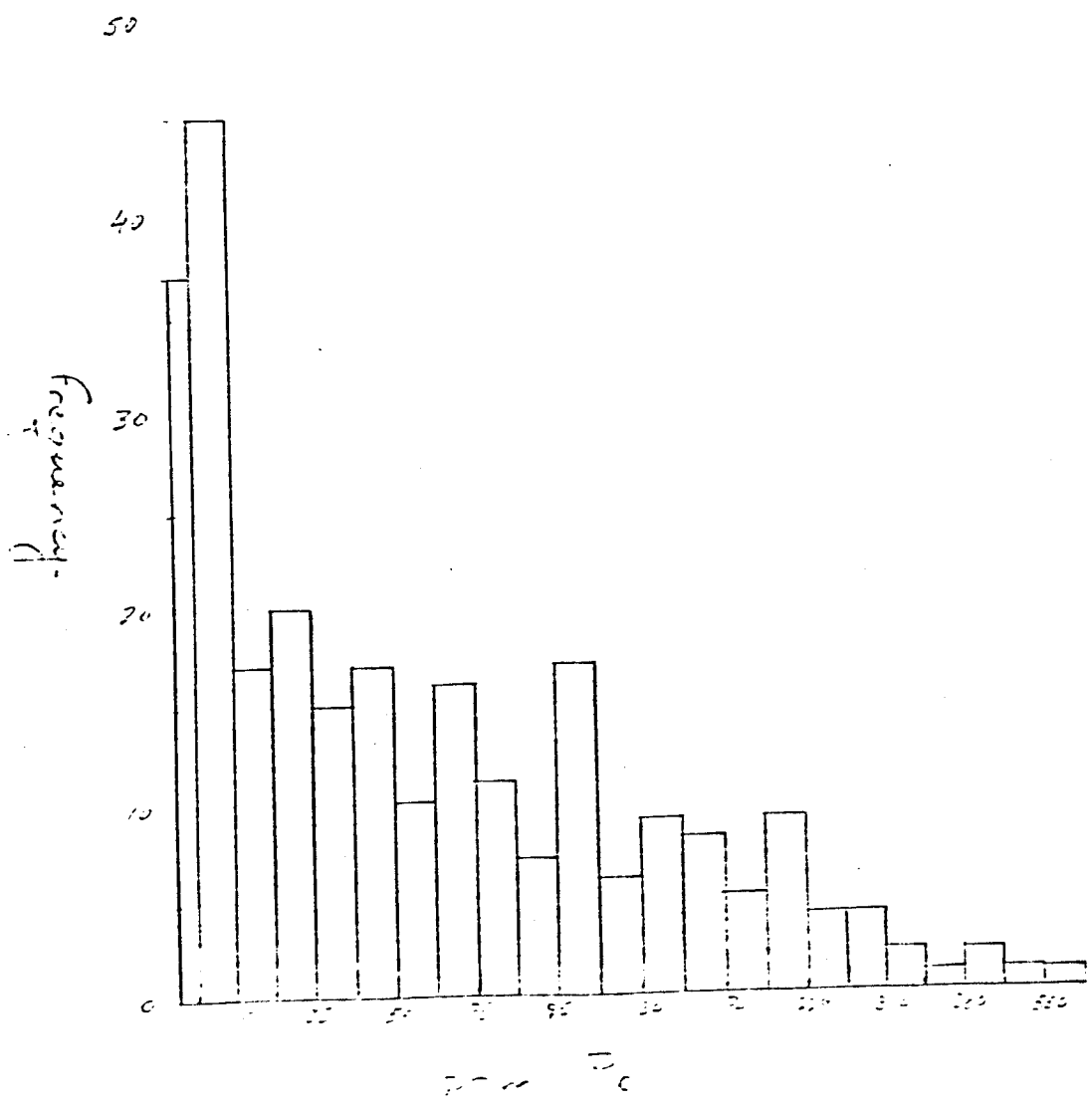
N = 264

Definitely Anomalous
↑ 31
Possibly Anomalous
↓ 12

Possibly anomalous 12. - 31 ppm.
Definitely anomalous > 31 ppm



Lead in soils



Pb in soils

N = 264

Three Populations

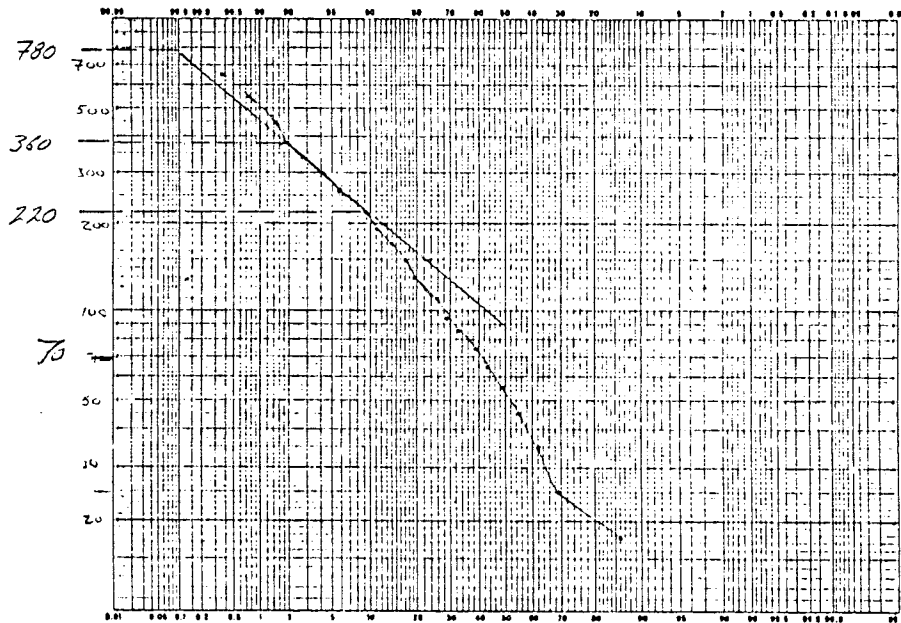
- ① Low background < 220 ppm.
- ② High background < 780 ppm.
- ③ Anomalous data > 360 ppm.

Threshold = 360 ppm.

Possibly anomalous : 360 - 780 ppm

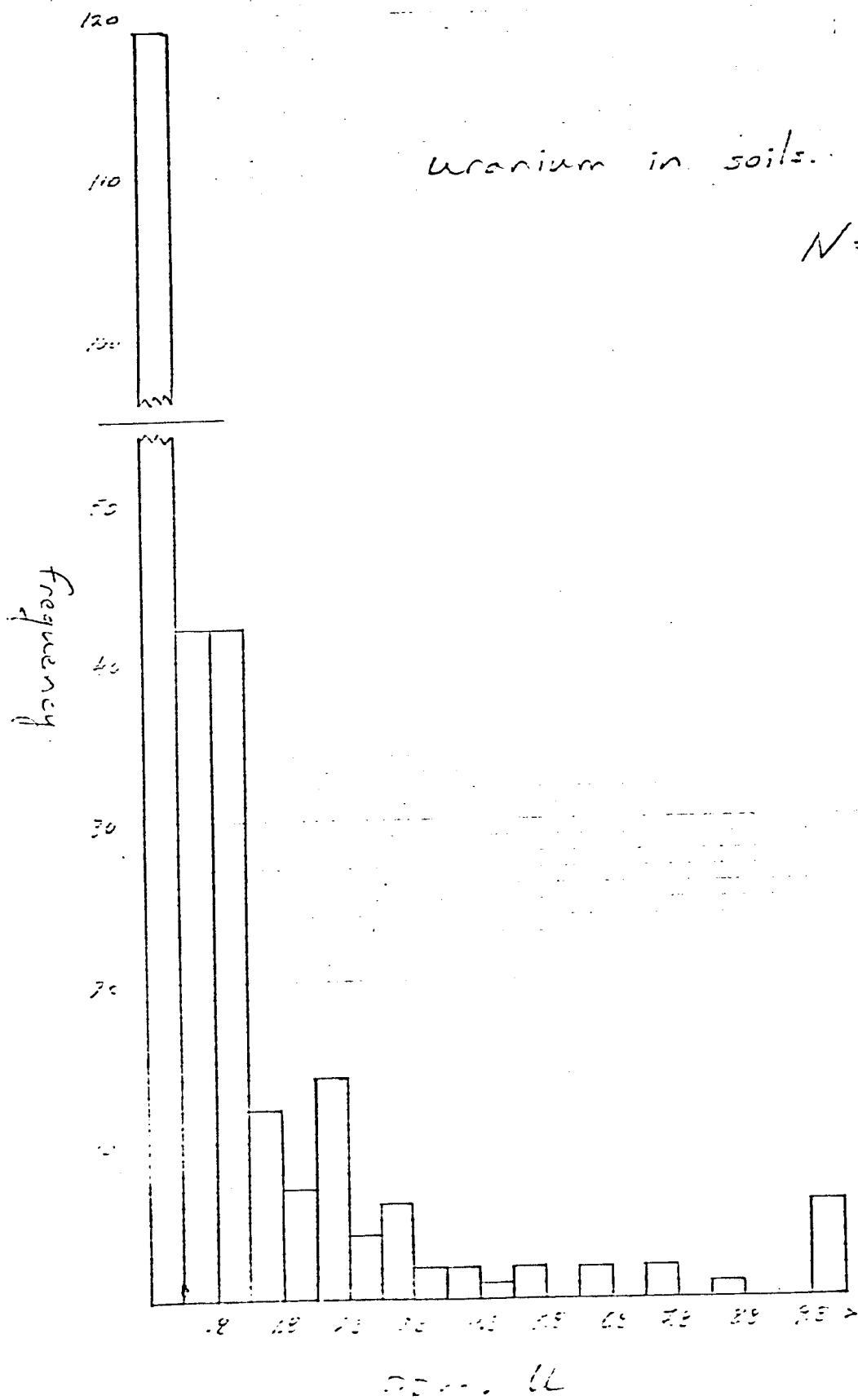
Definitely anomalous : > 780 ppm.

poss
variation



uranium in soils.

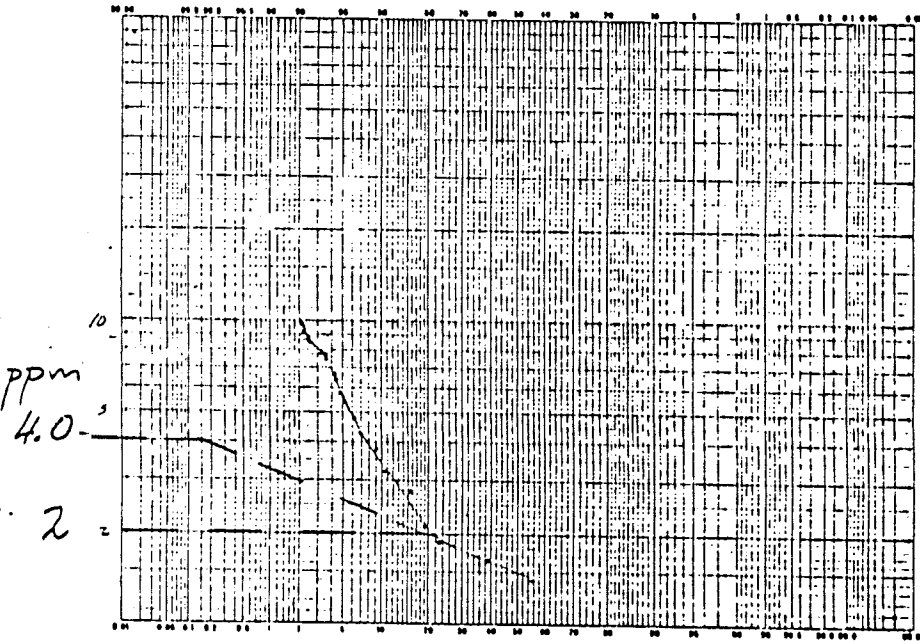
N = 264



N = 264

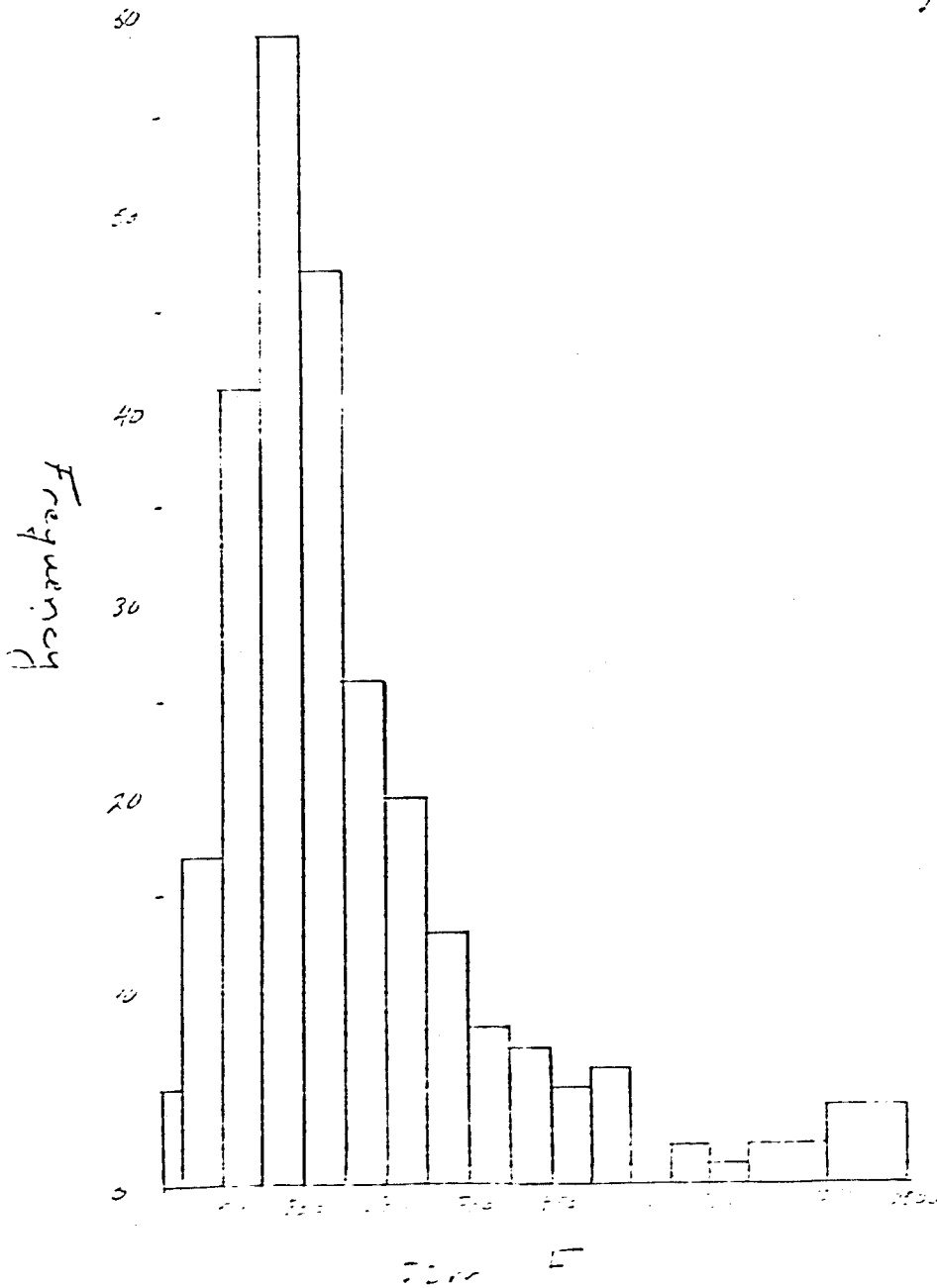
Uranium in soils.

Possibly anomalous 2 - 4.0 ppm
Definitely anomalous > 4 ppm.



Fluorine in soils

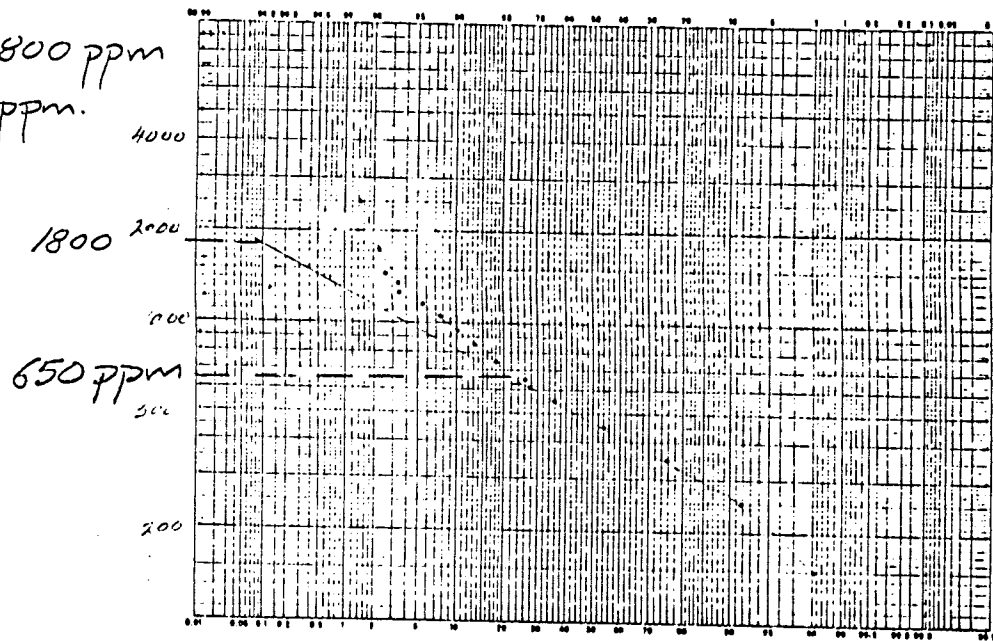
$N = 254$



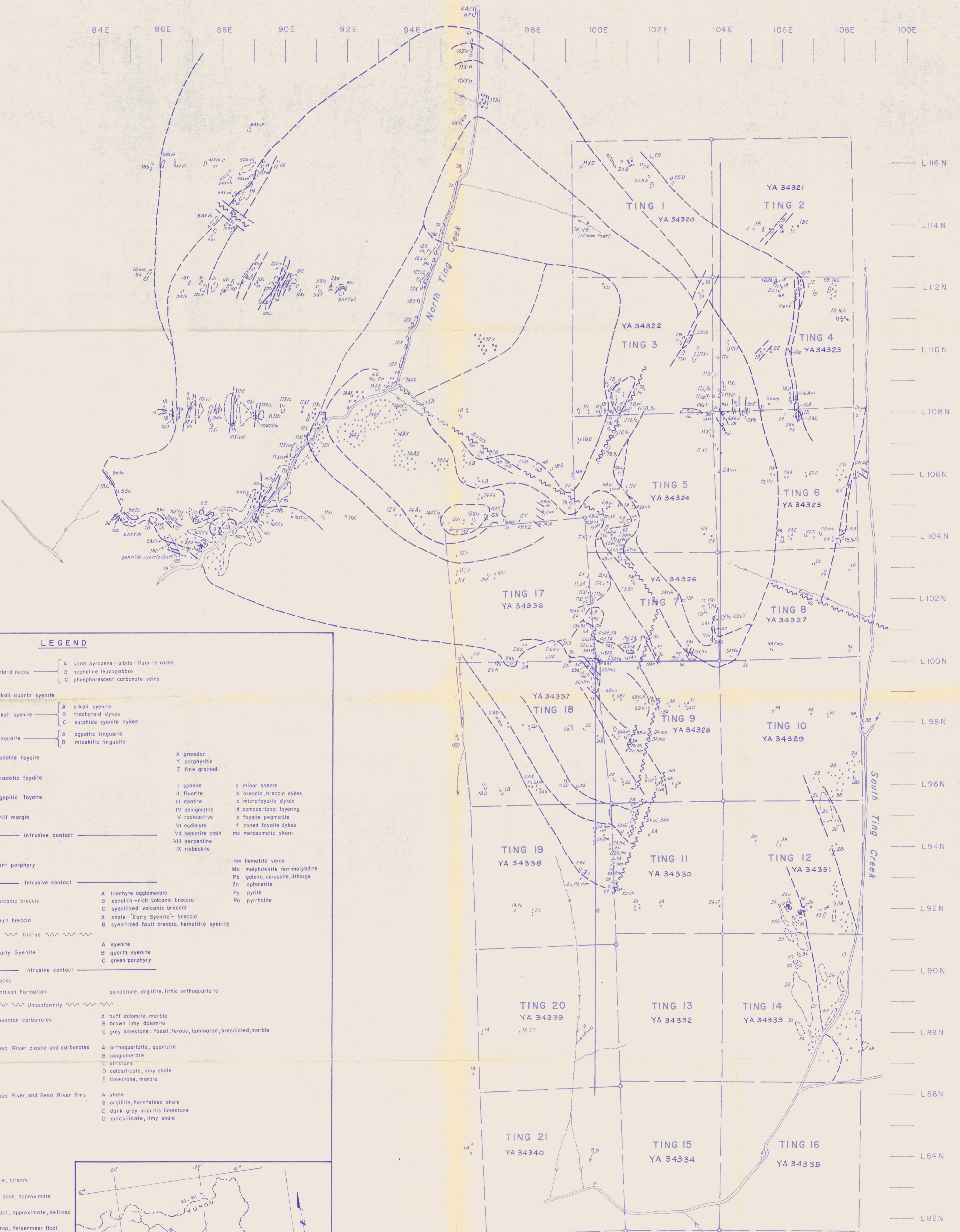
Fluorine in soils

N = 264

Possibly anomalous 650-1800 ppm
Definitely anomalous >1800 ppm.



84E 86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



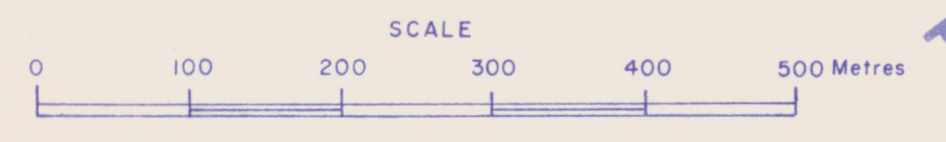
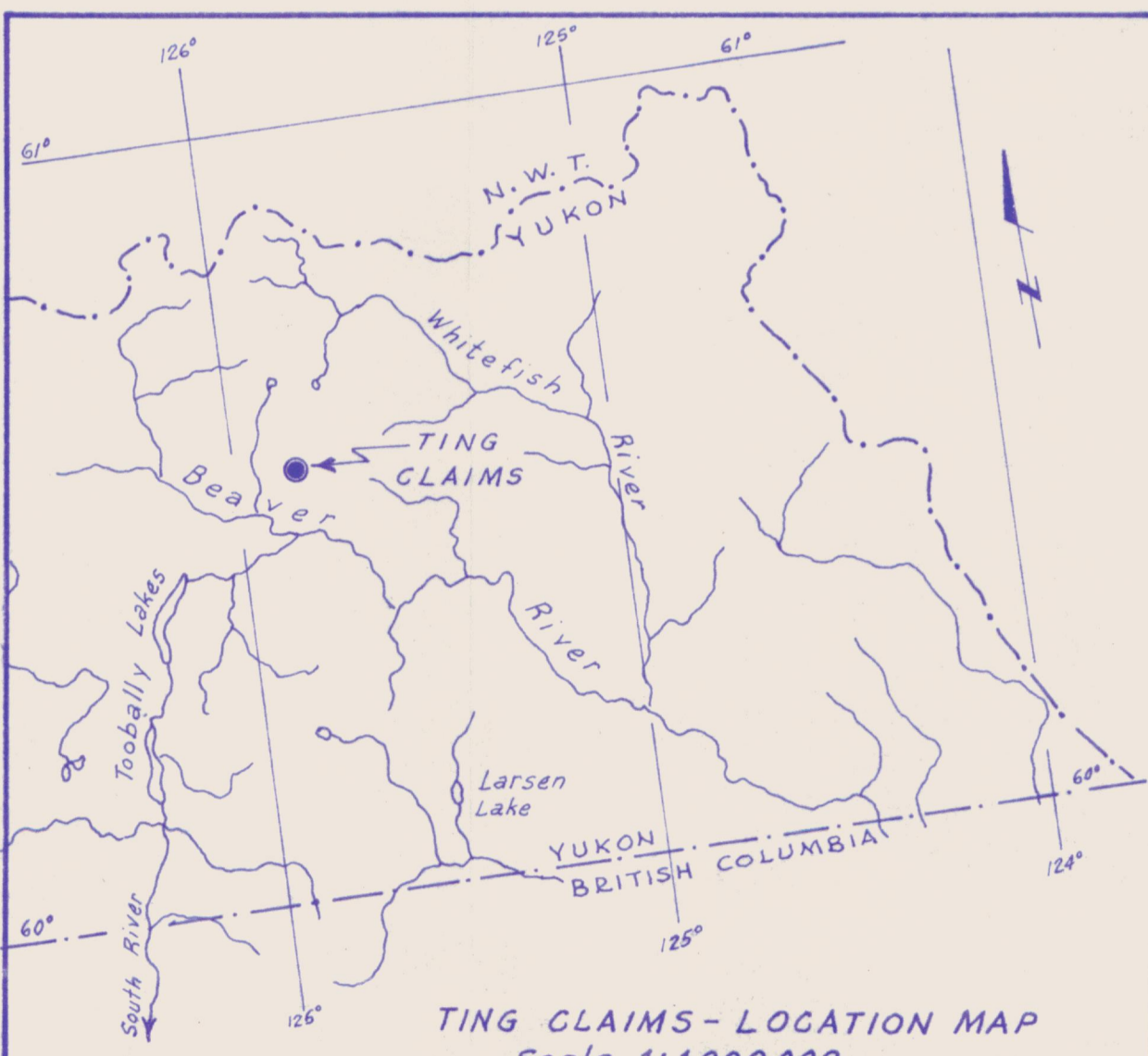
L 116 N
L 114 N
L 112 N
L 110 N
L 108 N
L 106 N
L 104 N
L 102 N
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L 88 N
L 86 N
L 84 N
L 82 N

LEGEND

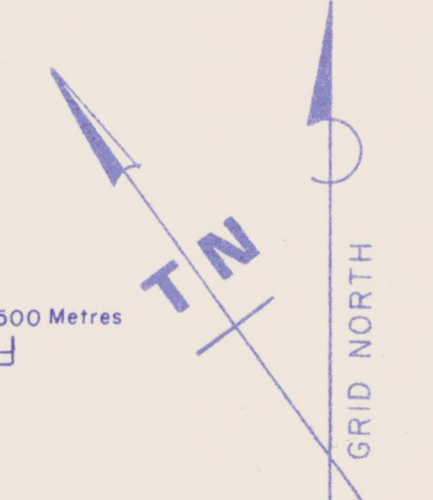
- | | |
|-------------------------------------|--|
| Alkaline suite | |
| 16 Hybrid rocks | A soda pyroxene-albite-fluorite rocks
B nepheline leucogabbro
C phosphorescent carbonate veins |
| 15 Alkali quartz syenite | |
| 14 Alkali syenite | A alkali syenite
B trachytoid dykes
C sulphide syenite dykes |
| 13 Tinguaitite | A apatitic tinguaitite
B miaskitic tinguaitite |
| 12 Sodolite foyaite | |
| 11 Miaskitic foyaite | |
| 10 Apatitic foyaite | |
| 9 Chill margin | |
| Intrusive contact | |
| Aluminous suite | |
| 8 Vent porphyry | |
| Intrusive contact | |
| 7 Volcanic breccia | A trachyte agglomerate
B xenolith-rich volcanic breccia
C syenitized volcanic breccia |
| 6 Fault breccia | A shale-Early Syenite-breccia
B syenitized fault breccia, hematitic syenite |
| hiatus | |
| 5 'Early Syenite' | A syenite
B quartz syenite
C green porphyry |
| Intrusive contact | |
| Sedimentary Rocks | |
| 4 Matson Formation | sandstone, argillite, lithic orthoquartzite |
| Unconformity | |
| 3 Devonian carbonates | A buff dolomite, marble
B brown limy dolomite
C grey limestone: fossil, ferrous, laminated, brecciated, marble |
| 2 Besa River clastic and carbonates | A orthoquartzite, quartzite
B conglomerate
C siltstone
D calcisilicate, limy shale
E limestone, marble |
| 1 Road River, and Besa River Fms. | A shale
B argillite, hornfelsed shale
C dark grey micritic limestone
D calcisilicate, limy shale |

- | | |
|----------------|----------------------------------|
| X granular | a minor shears |
| Y porphyritic | b breccia, breccia dykes |
| Z fine grained | c microfoyaite dykes |
| | d compositional layering |
| | e foyaite pegmatite |
| | f zoned foyaite dykes |
| | g metasedimentary skarn |
| | Hm hematite veins |
| | Mo molybdenite, ferrimolybdenite |
| | Pb galena, cerussite, litharge |
| | Zn sphalerite |
| | Py pyrite |
| | Po pyrrothite |

- Trickle, stream
- Fault zone, approximate
- Contact; approximate, defined
- Outcrop, felsenmeer float
- Claim post, claim line



GEOLOGY BY: C. HARRISON



ST. JOSEPH EXPLORATIONS LIMITED
TORONTO, CANADA

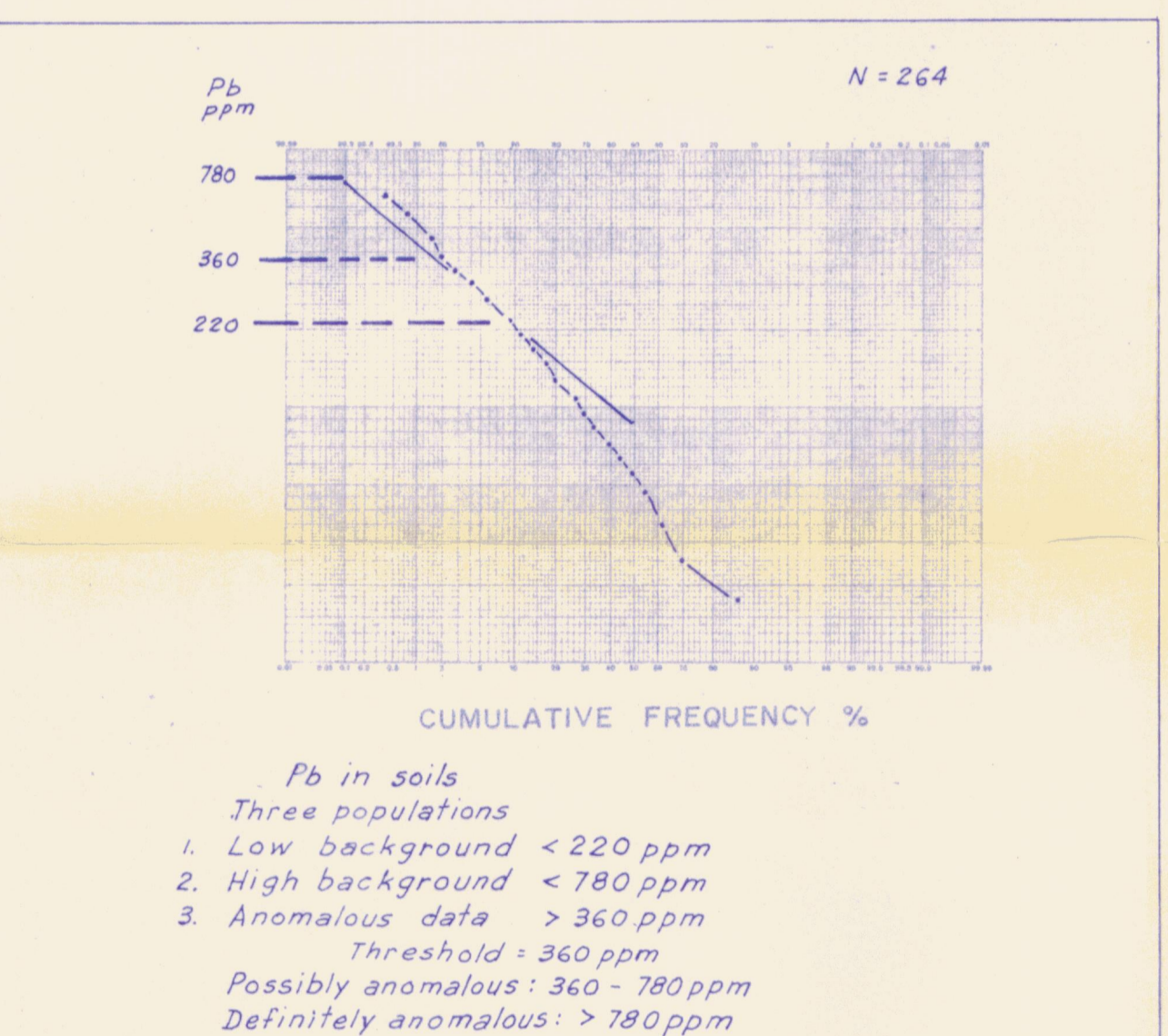
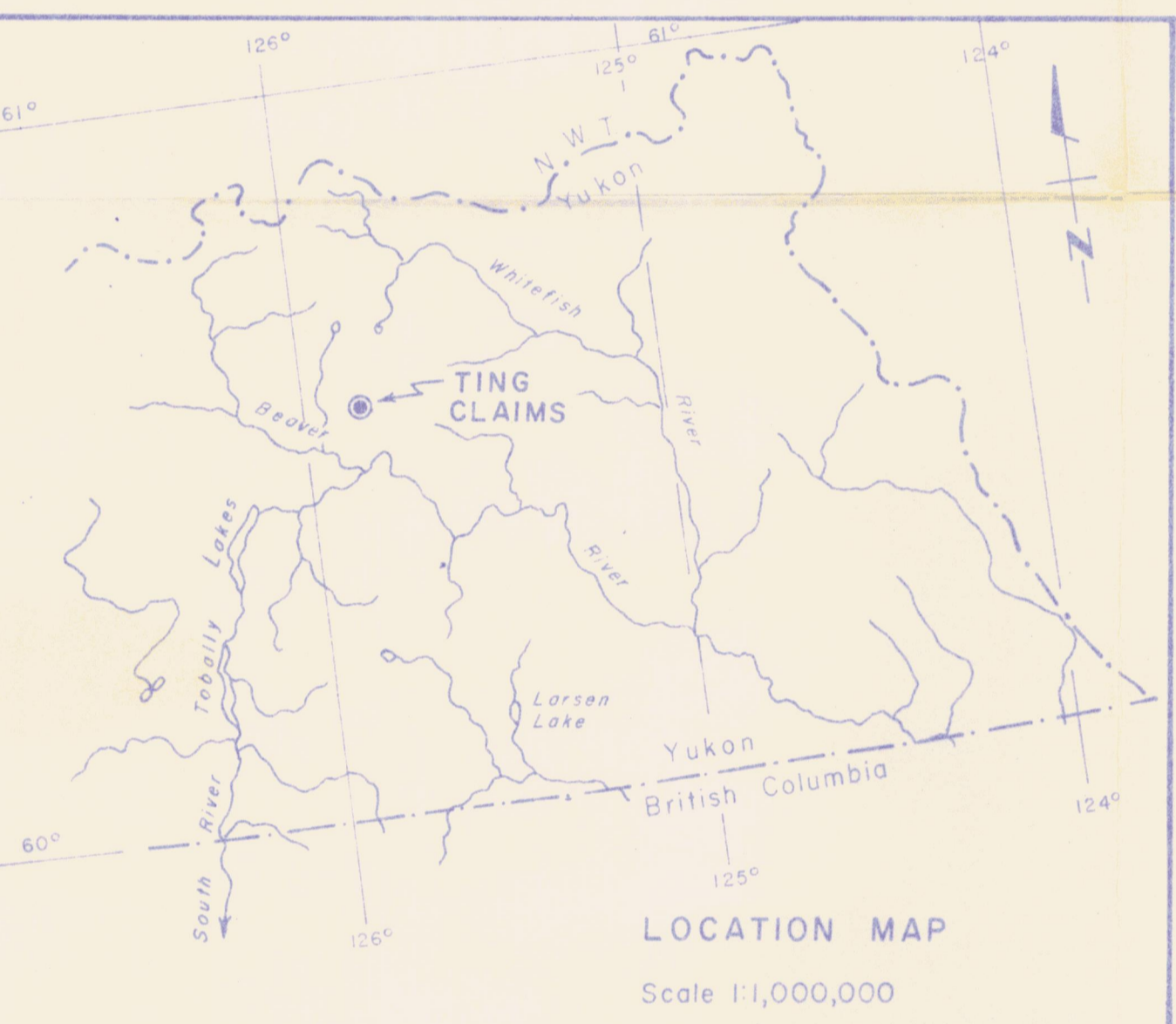
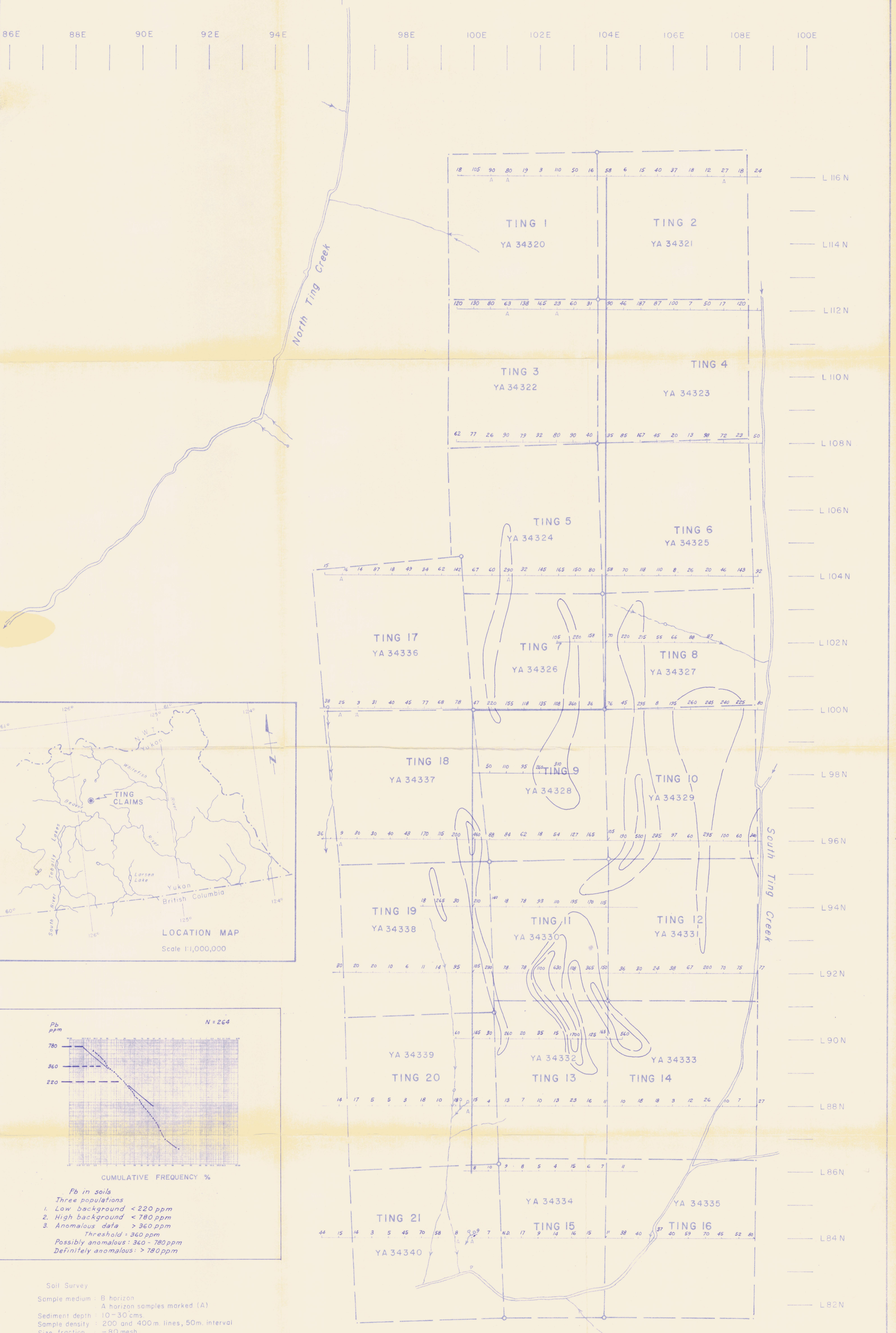
TING CLAIMS, YUKON
GEOLOGY

SCALE: 1:5,000
APPROX. LAT & LONG. OF LOWER RT. COR. OF DWG. 60.32° LATITUDE, 132.25° LONGITUDE

PROJECT NO. 6262-2
SHEET NO. 1 OF 1
Map REPORT NO. 1
NTS 95/12

250231

86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



Soil Survey

Sample medium : B horizon
A horizon samples marked (A)

Sediment depth : 10-30 cms

Sample density : 200 and 400m lines, 50m interval

Size fraction : -80 mesh

Digestion : HCl, HNO₃

Leach : AA Fluorometric

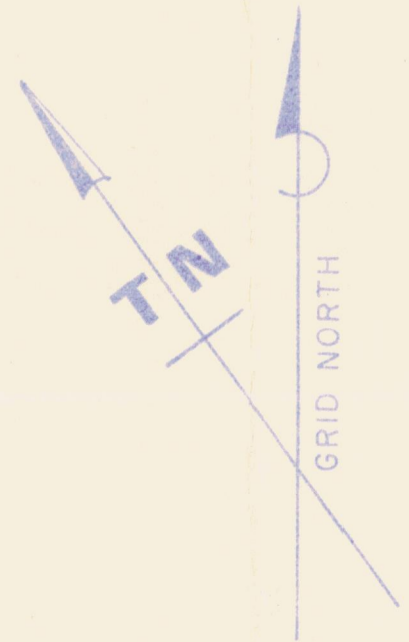
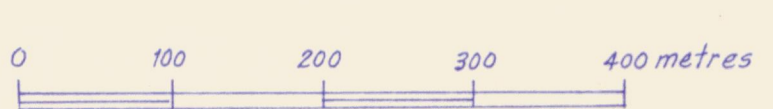
Analysis : Pb, Zn, Mo, U

Field work by : B. Petch; C. Sharpe

Laboratory : Bondar - Clegg, Whitehorse

Interpretation : C. Harrison

Contours at 200, 400, & 800 ppm



ST. JOSEPH EXPLORATIONS LIMITED
TORONTO, CANADA

TING CLAIMS, YUKON
GEOCHEMISTRY
LEAD (ppm)

SCALE 1:5,000

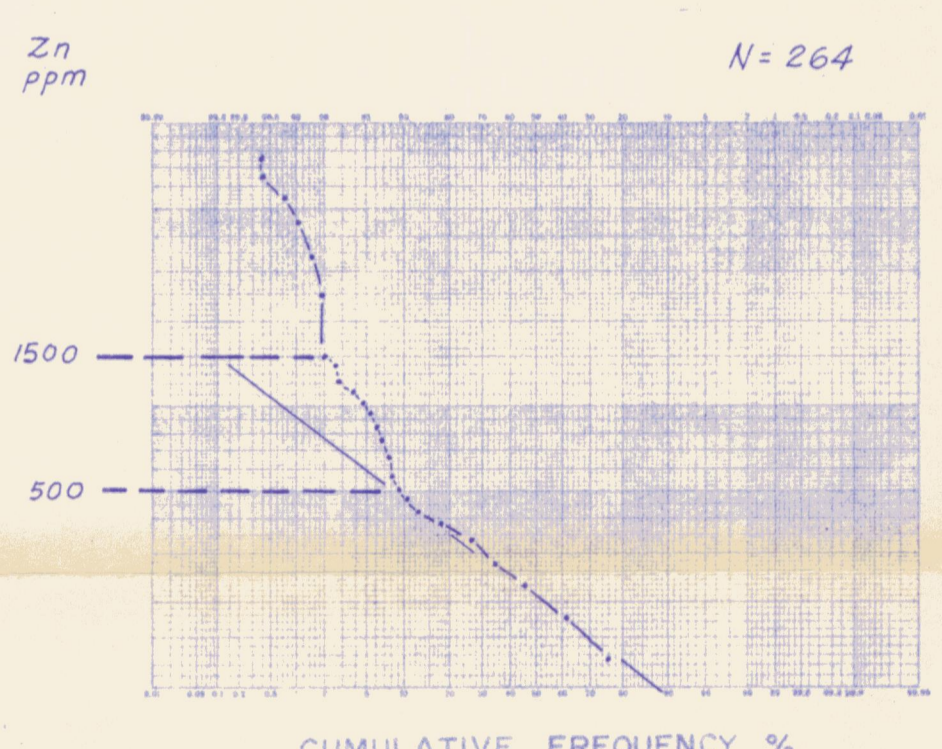
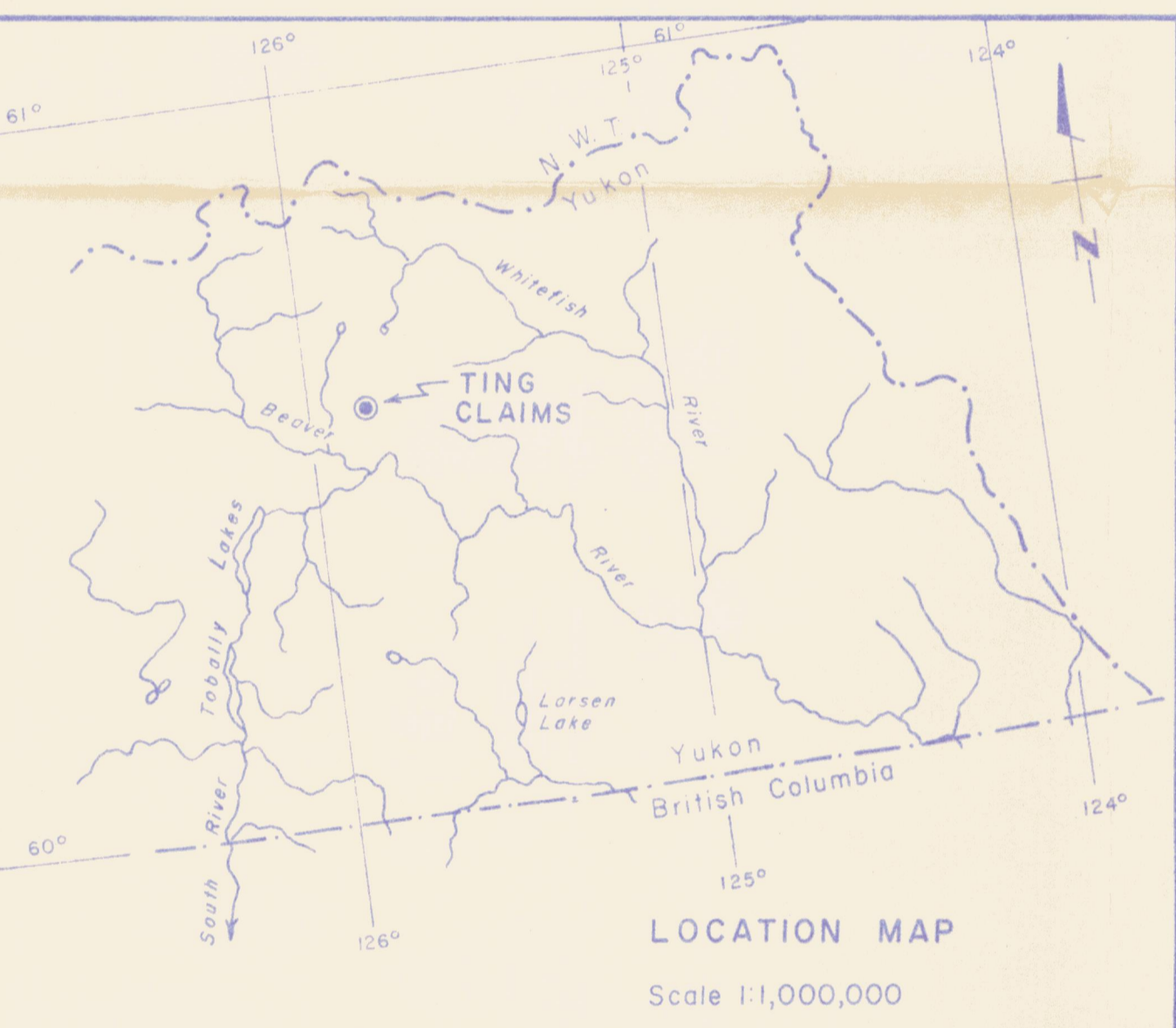
APPROX LAT & LONG OF LOWER RT COR OF DWG

60 32 LATITUDE
132 25 LONGITUDE

PROJECT NO 6262-2
SHEET NO 2
NYS 95 C/12

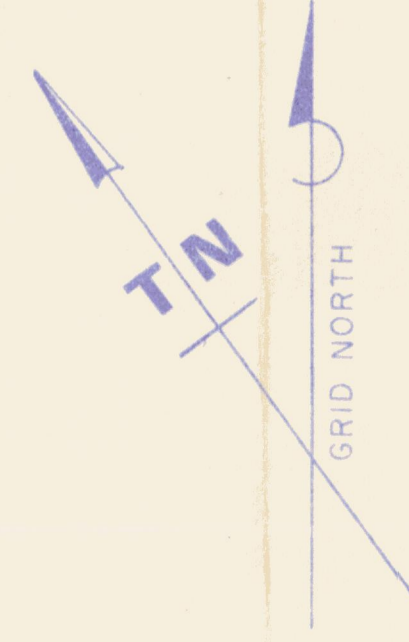
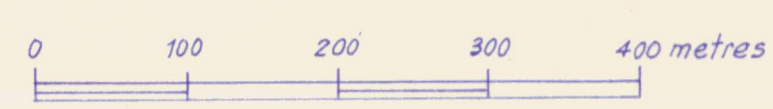
125° 53'

86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



Soil Survey
Sample medium : B horizon
 : A horizon samples marked (A)
Sediment depth : 10-30 cms
Sample density : 200 and 400m. lines, 50m. interval
Size fraction : -80 mesh
Digestion : HCl, HNO₃
Leach : AA Fluorometric
Analysis : Pb, Zn, Mo, U
Field work by : B. Petch; C. Sharpe
Laboratory : Bondar - Clegg, Whitehorse
Interpretation : C. Harrison

Zn in soils - contours at
500, 1000, 2000, 4000 ppm.



ST. JOSEPH EXPLORATIONS LIMITED
TORONTO, CANADA

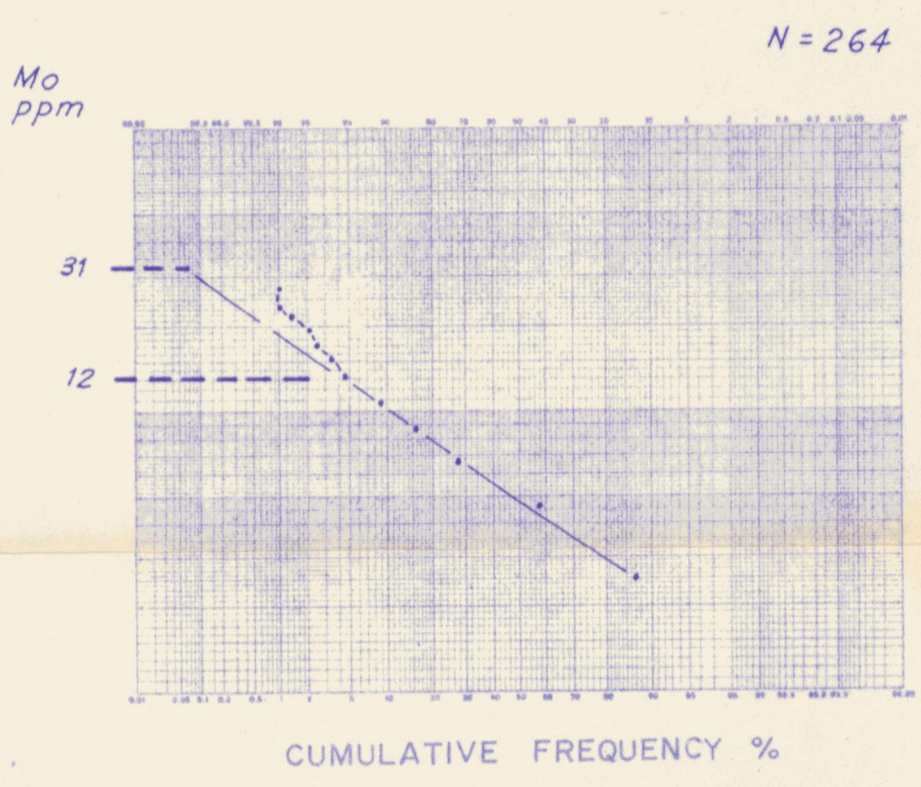
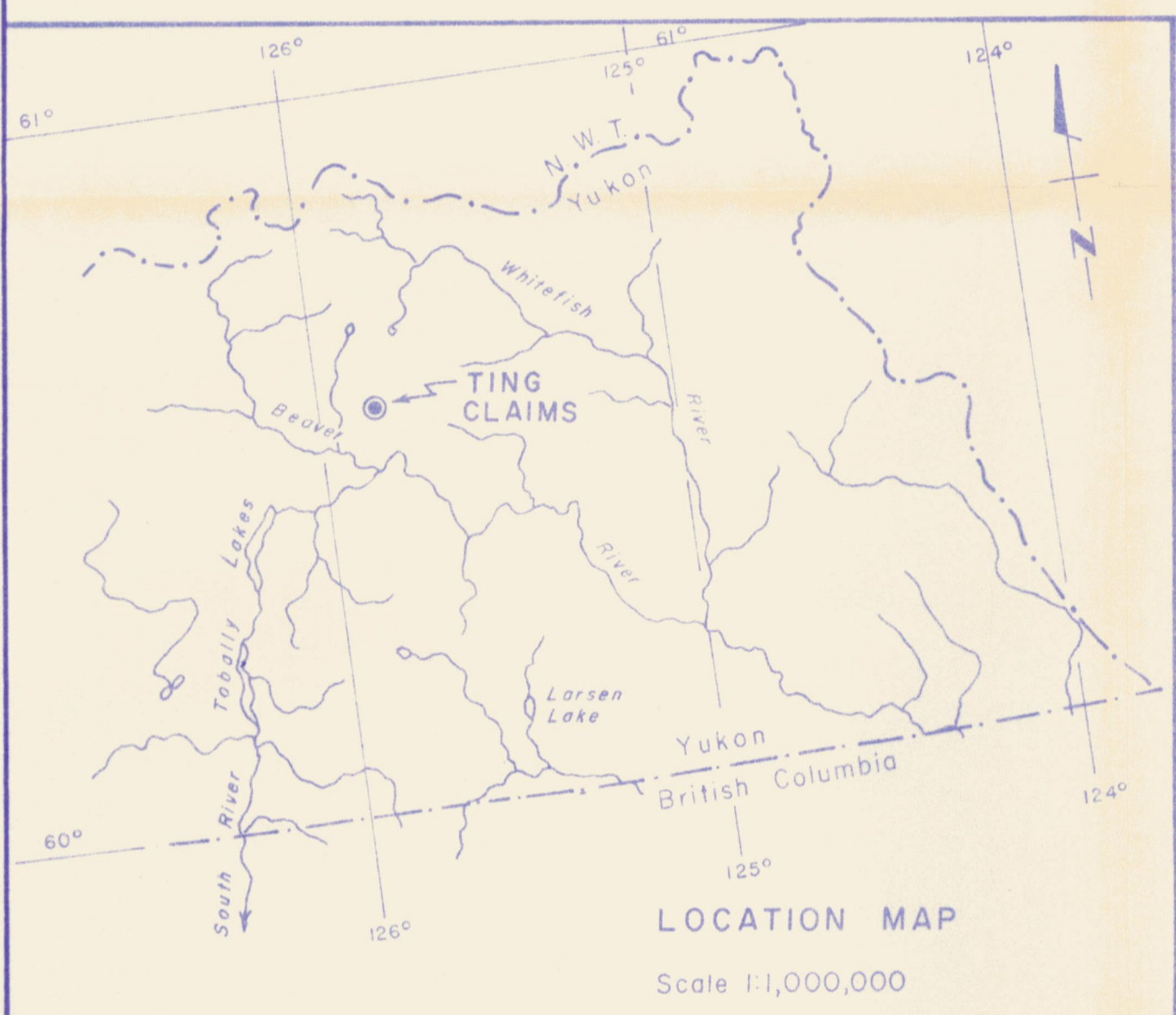
**TING CLAIMS, YUKON
GEOCHEMISTRY
ZINC (ppm)**

SCALE: 1:5,000

APPROX LAT & LONG OF LOWER RT COR OF DWG 60 32	PROJECT NO 6262-2	SHEET NO
132 25	Map REPORT NO 3	OF
		NTS 95C/12

125°53'

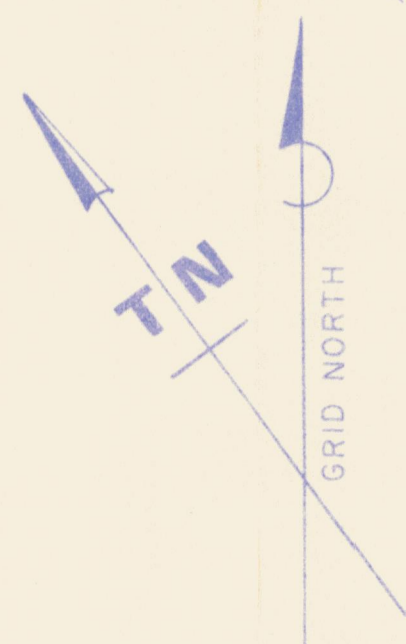
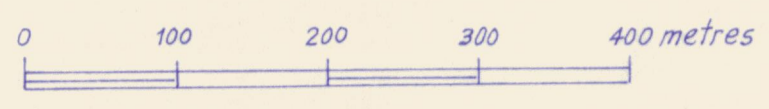
86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



Possibly anomalous 12-31 ppm
Definitely anomalous >31 ppm

- Soil Survey
- Sample medium : B horizon
 - : A horizon samples marked (A)
 - Sediment depth : 10-30 cms
 - Sample density : 200 and 400m. lines, 50m. interval
 - Size fraction : -80 mesh
 - Digestion : HCl, HNO₃
 - Leach : AA Fluorometric
 - Analysis : Pb, Zn, Mo, U
 - Field work by : B. Petch, C. Sharpe
 - Laboratory : Bondar - Clegg, Whitehorse
 - Interpretation : C. Harrison

Mo in soils - contours at 6, 10, 14, 18 ppm



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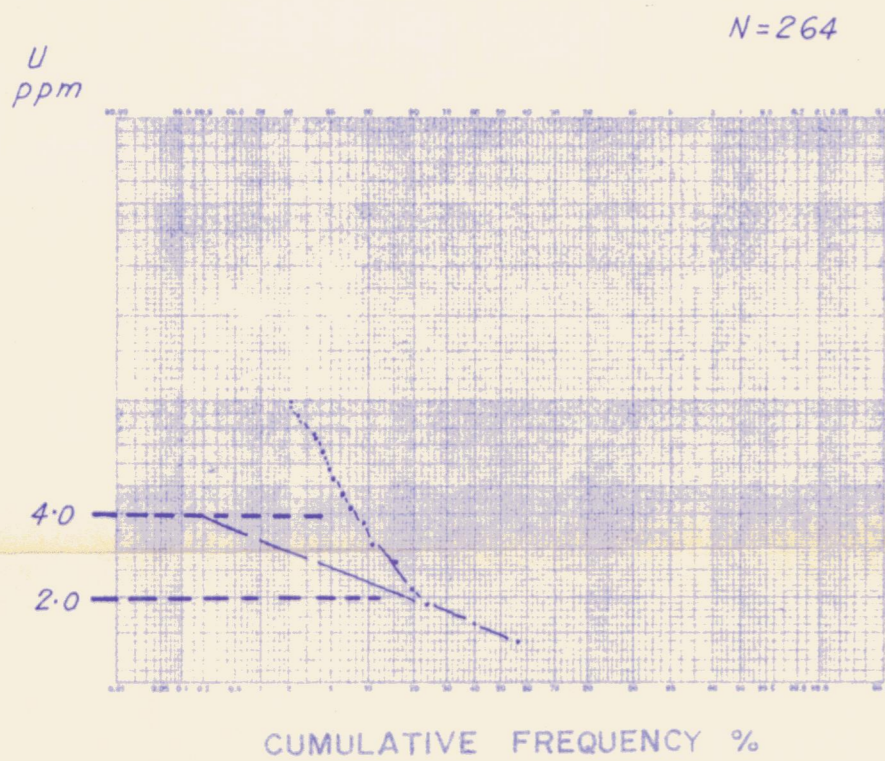
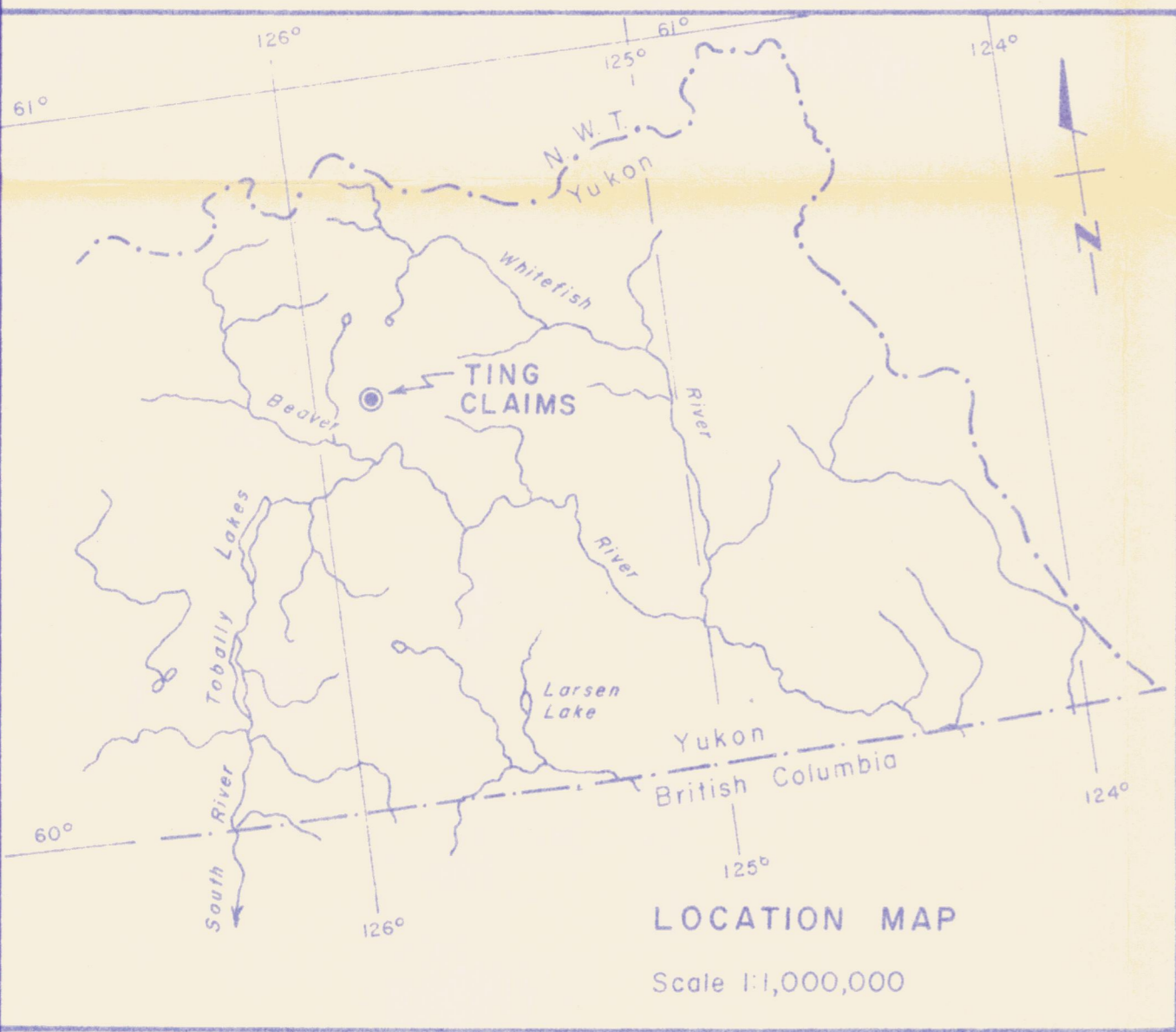
TING CLAIMS, YUKON
GEOCHEMISTRY
MOLYBDENUM (ppm)

SCALE: 1:5,000

APPROX. LAT & LONG OF LOWER RT. COR. OF DWG. 60° 32' N. LATITUDE 125° 25' W. LONGITUDE	PROJECT NO. 6262-2	SHEET NO. 4
Map REF. NO. 4	NTS. 95C/12	

125° 53'

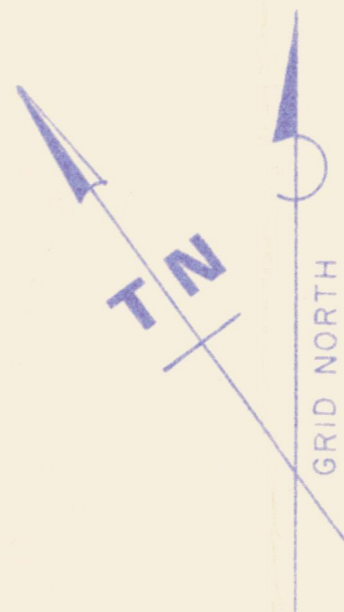
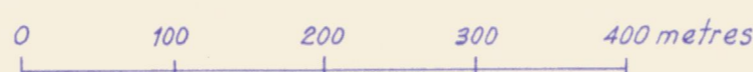
86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



Possibly anomalous 2.0-4.0 ppm
Definitely anomalous > 4.0 ppm

- Soil Survey
- Sample medium : B horizon
 A horizon samples marked (A)
 - Sediment depth : 10-30 cms
 - Sample density : 200 and 400m lines, 50m interval
 - Size fraction : -80 mesh
 - Digestion : HCl, HNO₃
 - Leach : AA Fluorometric
 - Analysis : Pb, Zn, Mo, U
 - Field work by : B. Petch, C. Sharpe
 - Laboratory : Bondar - Clegg, Whitehorse
 - Interpretation : C. Harrison

U in soils - Contours at 1, 2, 4, 8, 16 ppm



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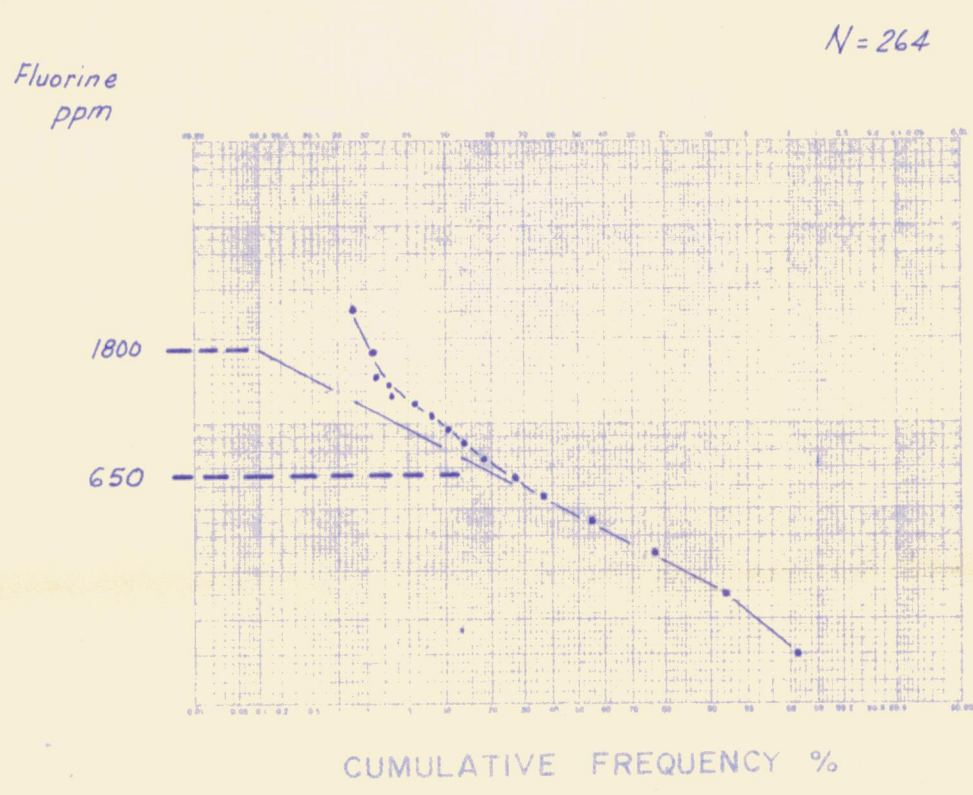
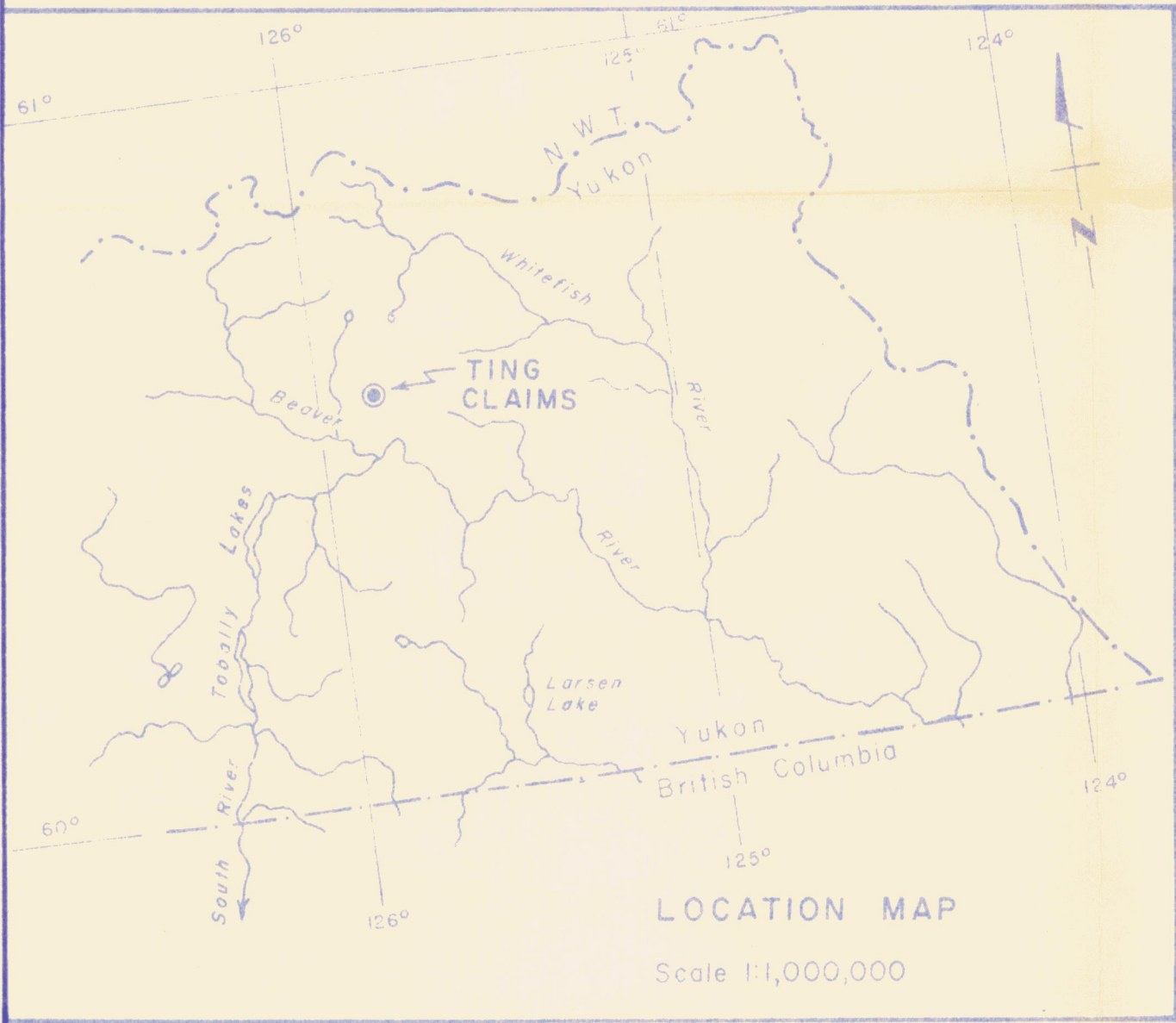
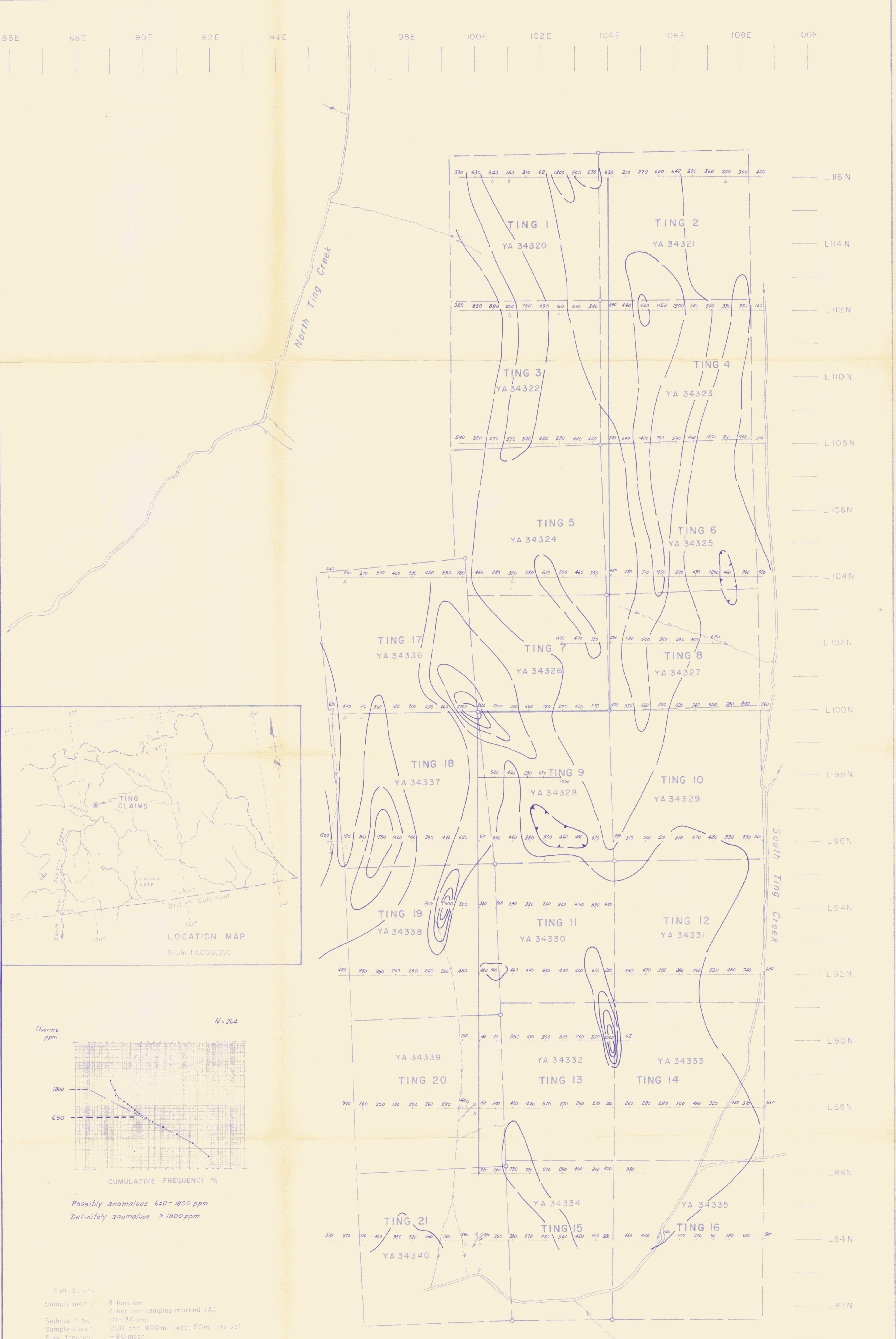
TING CLAIMS, YUKON
GEOCHEMISTRY
URANIUM (ppm)

SCALE 1:5,000

APPROX LAT & LONG OF LOWER RT. COR OF DWG 60° 32' LATITUDE 125° 25' LONGITUDE	PROJECT NO 6262-2 Map NO - 5	SHEET NO OF NTS. 95C/12
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125° 53'

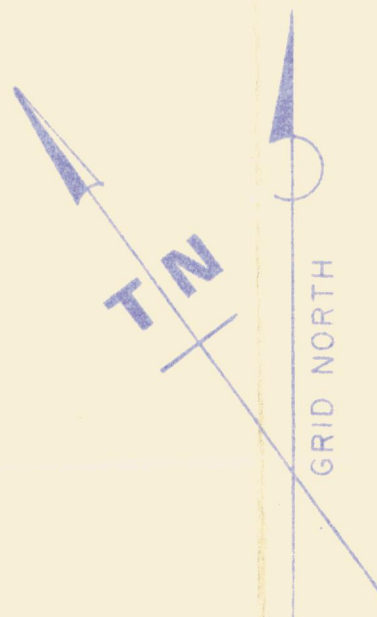
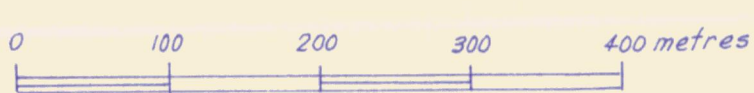
86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



Possibly anomalous 650-1800 ppm
Definitely anomalous > 1800 ppm

Soil Survey
 Sample method: B horizon
 A horizon samples marked (A)
 Sediment depth: 10-30 cms
 Sample density: 200 and 400m. lines, 50m. interval
 Size fraction: -80 mesh
 Digestion: HCl, HNO₃
 Leach: Electrometric
 Analysis: Fluorine
 Field work by: B. Petch, C. Sharpe
 Laboratory: Bandar - Clegg, Whitehorse
 Interpretation: C. Harrison

Fluorine in soils - contours at
 500, 1000, 1500, 2000, 2500 ppm



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 TORONTO, CANADA

**TING CLAIMS, YUKON
 GEOCHEMISTRY
 FLUORINE (ppm)**

SCALE 1:5,000

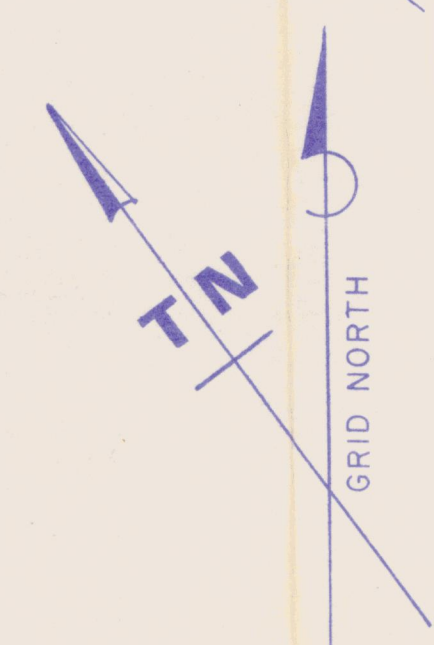
APPROX. LAT. & LONG. OF LOWER RT. COR. OF DWG. 60° 32' LATITUDE 132° 25' LONGITUDE	PROJECT NO. 6262-2 Map REPORT NO. 6	SHEET NO. 95C/12
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125° 53'

84E 86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



Contours at 3,000 cpm
 6,000 cpm
 12,000 cpm
 24,000 cpm
 T_1 = Total counts due to K,U,Th
 before background correction



Instrument: McPhor TV-1

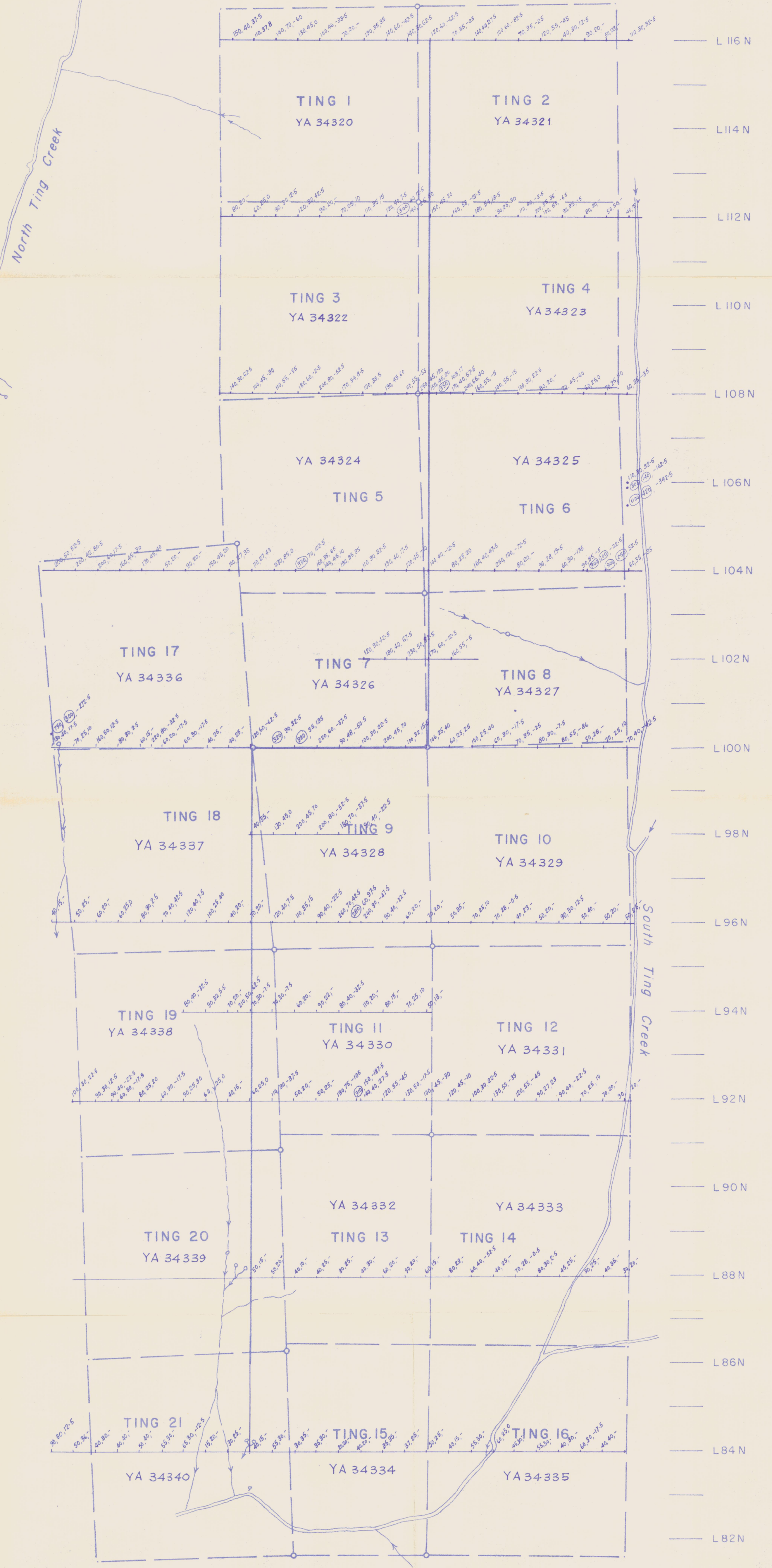
ST. JOSEPH EXPLORATIONS LIMITED
 TORONTO, CANADA

TING CLAIMS, YUKON
 RADIOMETRIC MAP
 SCINTILLOMETER SURVEY
 TOTAL COUNTS

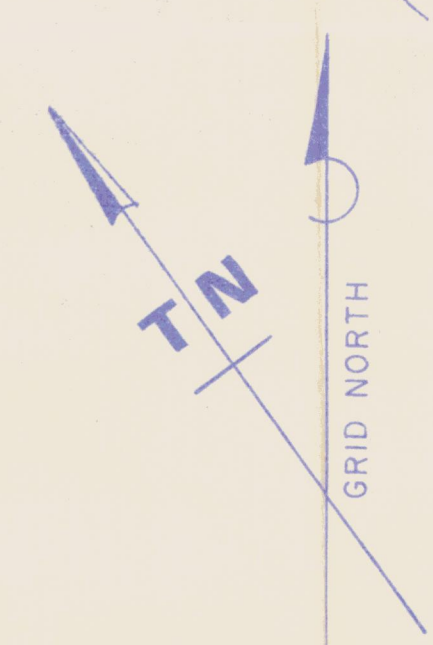
SCALE: 1:5,000

APPROX LAT & LONG OF LOWER RT. COR. OF DWG.	PROJECT NO. 6262-2	SHEET NO. OF
60° 32' LATITUDE	Map REPORT NO. 7	95/02
102° 55' LONGITUDE		

84E 86E 88E 90E 92E 94E 98E 100E 102E 104E 106E 108E 100E



T_2 = Counts due to U and Th before background corrections. (cpm)
 T_3 = Counts due to Th (cpm)
 C_{T_u} = Counts attributed to uranium after subtraction of Thorium and background. (cpm)
 Threshold value for T_2 is 275 cpm
 Values above 275 cpm are circled



Instrument: McPhor TV-1

ST. JOSEPH EXPLORATIONS LIMITED
 TORONTO, CANADA

TING CLAIMS, YUKON
 RADIOMETRIC MAP
 SCINTILLOMETER SURVEY
 T_2 , T_3 , C_{T_u}

SCALE: 1:5,000

APPROX. LAT & LONG. OF LOWER RT. COR. OF DWG.	PROJECT NO. 6262-2	SHEET NO.
60.32	Map	OF
132.25	REPORT NO. 8	NTS. 95/6

125°53'