

STARTIP CLAIMS 1 - 16

CLAIM SHEET 105C7

Latitude 60° 18'N
Longitude 132° 45'W

AIRBORNE GAMMA-RAY SPECTROMETRY

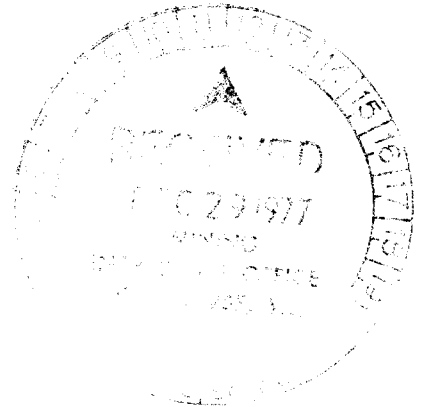
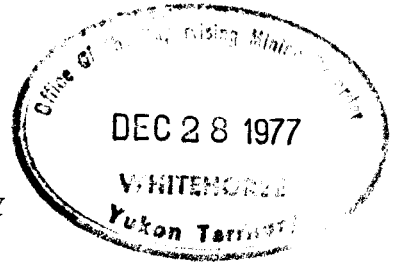
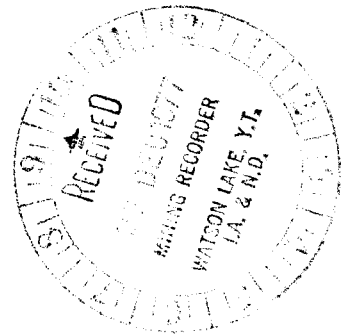
AND

STREAM SEDIMENT GEOCHEMISTRY

1977 JULY 19, 21, 22

BY

M. F. COWAN



M. F. Cowan
Non-Resident
Registration No. 6678

090263

1.0 LIST OF CLAIMS

Map Sheet 105C7

Latitude 60° 18'N

Longitude 132° 45'W

<u>Claim Number</u>	<u>Tag Number</u>
Startip 1	YA12371
Startip 2	YA12372
Startip 3	YA12373
Startip 4	YA12374
Startip 5	YA12375
Startip 6	YA12376
Startip 7	YA12377
Startip 8	YA12378
Startip 9	YA12379
Startip 10	YA12380
Startip 11	YA12381
Startip 12	YA12382
Startip 13	YA12383
Startip 14	YA12384
Startip 15	YA12385
Startip 16	YA12386

Registered Holder of Startip Claims 1 - 16 is C.R. Eastman, Box 441, Whitehorse, Y.T.

2.0 INTRODUCTION

On the basis of a reported radioactive occurrence near the headwaters of Tenmile Creek, approximately ten miles north of Teslin, C.R. Eastman of Whitehorse staked the Startip 1 to 16 claims in February, 1977. An agreement was subsequently made between C.R. Eastman and Aquitaine Company of Canada Ltd. to examine and explore the Startip 1 - 16 claims to determine the significance of the reported occurrence. To this end, work was carried out on the claims during July 19, 21, and 22, 1977, and comprised an airborne gamma-ray spectrometer survey, ground prospecting and scintillometry, and stream sediment sampling.

The claims are underlain by Cretaceous granitic rocks near the contact with metasedimentary and metavolcanic rocks of the Big Salmon Complex of Mississippian or earlier age (see Geological Survey of Canada Map 1125A, "Teslin", 1 inch = 4 miles).

A major portion of the Startip Claims is covered by overburden.

3.0 AIRBORNE GAMMA-RAY SPECTROMETRY

The airborne survey was made using an Exploranium DGRS-1002 gamma-ray spectrometer and detector comprising two, 9.735" x 4" thallium activated NaI crystals with a total volume of 552 cubic inches.

and a Mars-6 six channel recorder.

The spectrometer and recorder unit were mounted in the center of the rear seat of a Bell 206B Jet Ranger helicopter and the detector was mounted in the rear cargo compartment. A Bonzer radar altimeter was mounted underneath the nose of the helicopter and the altimeter console secured to the instrument panel hood, allowing the pilot to monitor and maintain the required terrain clearance.

The spectrometer survey was conducted at a ground speed of 60 mph and an average terrain clearance of 150'. Line spacing was approximately 500 feet and two sets of flight lines at right angles to each other were completed (Figure 2).

3.1 RESULTS

As shown by the flight records (in pocket) no anomalous airborne response was observed during the airborne survey.

4.0 STREAM SEDIMENT GEOCHEMISTRY

Six sediment samples were collected from a stream flowing easterly through the center of the claim block and analyzed fluorometrically for U_3O_8 by Loring Laboratories Ltd. of Calgary (Appendix 2).

4.1 RESULTS

The stream sediment samples (Figure 3) contained from 0.5 to 1.6 ppm U_3O_8 and are not considered anomalous.

5.0 GROUND INVESTIGATION

A ground search for the reported radioactive occurrence proved unsuccessful. No scintillometer readings significantly above background were noted during the ground investigation.

6.0 CONCLUSIONS AND RECOMMENDATIONS

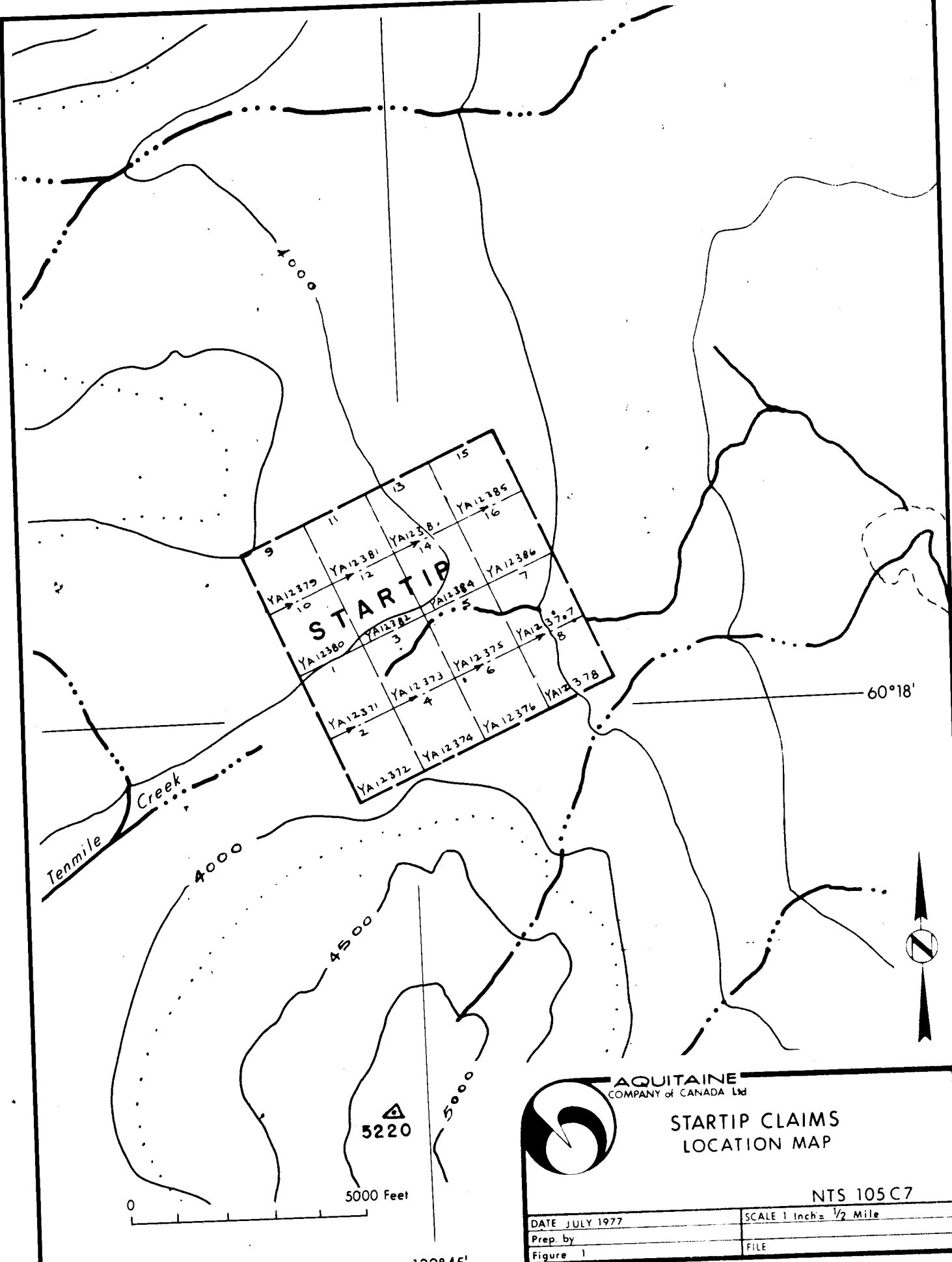
No anomalous response was noted during the airborne gamma-ray spectrometer survey of the Startip Claims, indicating that even if the reported radioactive occurrence exists, it must be of very limited surface extent.

No anomalous amounts of uranium occur in sediment from a stream flowing through the Startip Claims. Again this suggests that if any uranium showing exists, it must be of very restricted extent.

It is recommended that the reported occurrence be found and examined before any further survey of the Startip Claims is contemplated.

APPENDIX 1

FIGURES 1, 2, 3



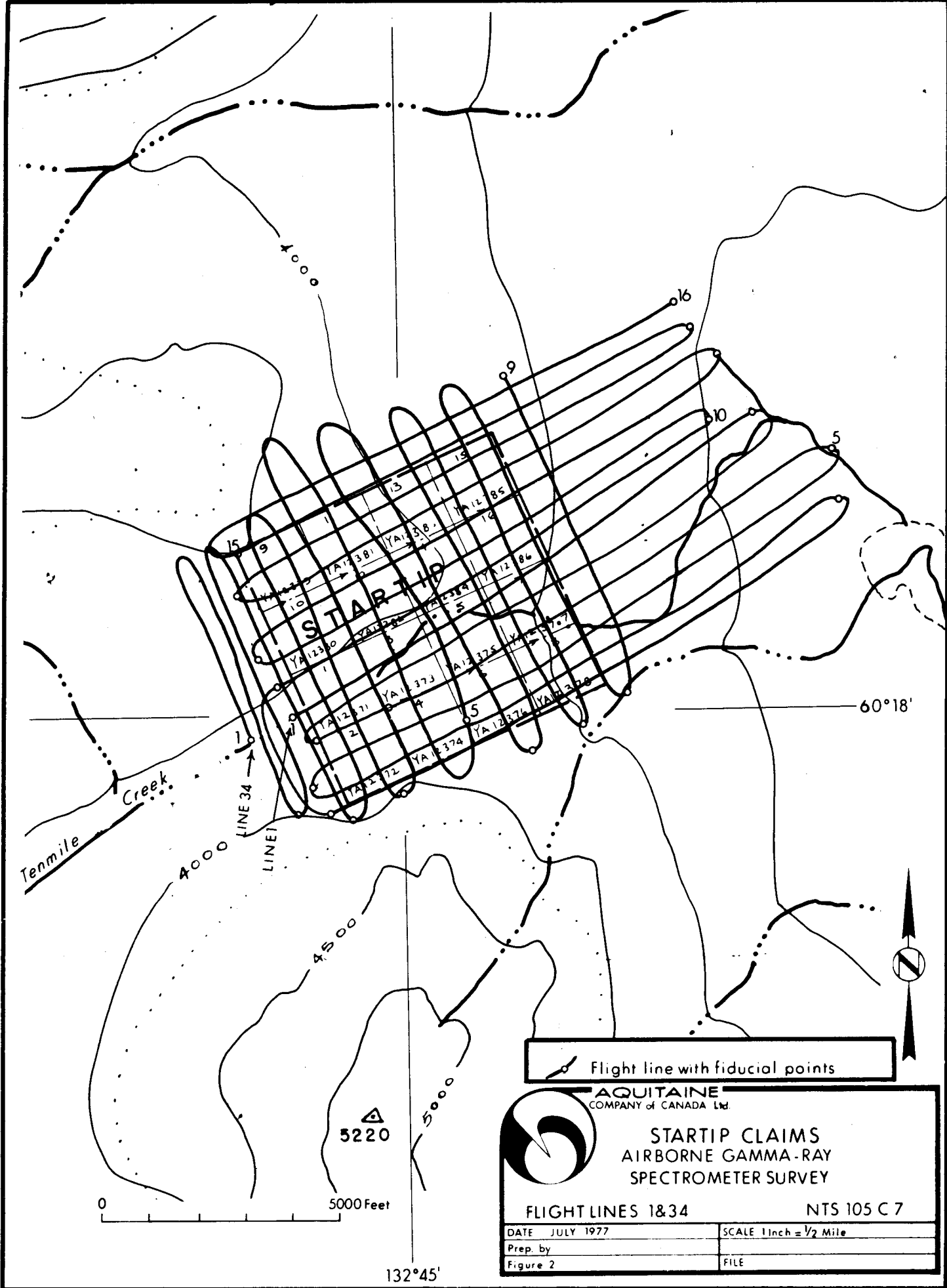
AQUITAINE
 COMPANY OF CANADA LTD

**STARTIP CLAIMS
 LOCATION MAP**

NTS 105 C7

DATE JULY 1977	SCALE 1 Inch = 1/2 Mile
Prep. by	FILE
Figure 1	

132°45'



Flight line with fiducial points



AQUITAINE
COMPANY OF CANADA LTD.

**STARTIP CLAIMS
AIRBORNE GAMMA-RAY
SPECTROMETER SURVEY**

FLIGHT LINES 1&34

NTS 105 C 7

DATE JULY 1977	SCALE 1inch = 1/2 Mile
Prep. by	
Figure 2	FILE

0 5000 Feet

132°45'

60°18'

5220

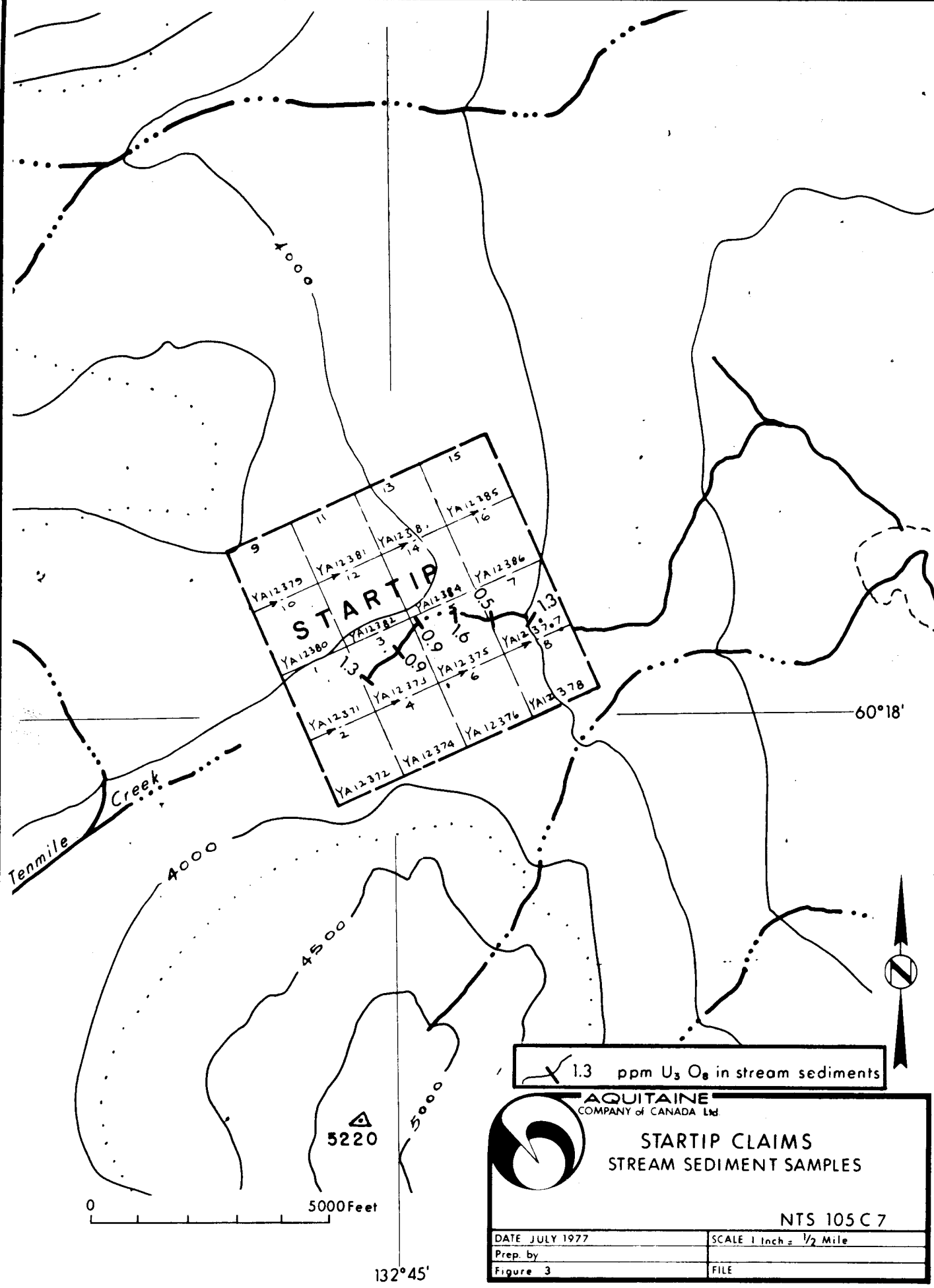
Tenmile Creek

LINE 34

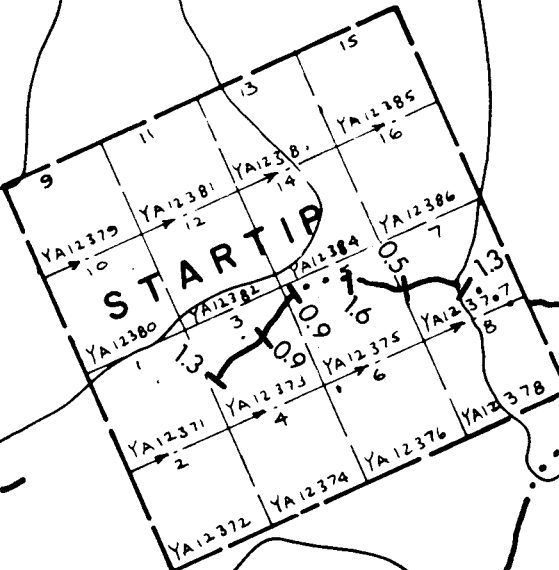
4000

4500

5000



Tenmile Creek



STARTIP

0 5000 Feet

132°45'

1.3 ppm U_3O_8 in stream sediments



AQUITAINE
COMPANY OF CANADA LTD

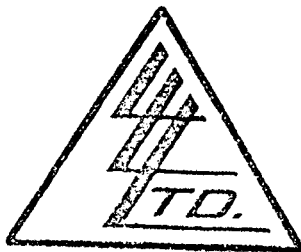
STARTIP CLAIMS
STREAM SEDIMENT SAMPLES

NTS 105 C 7

DATE JULY 1977	SCALE 1 inch = 1/2 Mile
Prep. by	
Figure 3	FILE

APPENDIX 2
GEOCHEMICAL ANALYSES

To: AQUITAINE COMPANY OF CANADA LTD.,
 2000, 540 - 5th Ave. S.W.,
 Calgary, Alberta T2P 0M4



File No. 13831
 Date August 16, 1977
 Samples Stream Sediments

ATTN: M. Cowan

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM U308		PPM Mo
7-21-77-1	1.3	STREAM	} STARTUP CLAIMS
7-21-77-2	0.9	STREAM	
7-21-77-3	0.9	STREAM	
7-21-77-4	1.6	STREAM	
7-21-77-5	0.5	STREAM	
7-21-77-6	1.3	STREAM	
			2
			3
			3
			4
			4
			3

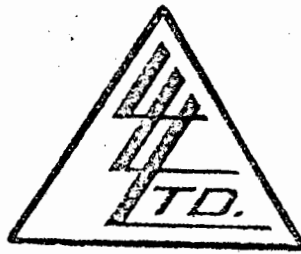
W03 to follow

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

E. M. J. Aae
 Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.,
 2000, 540 - 5th Ave. S.W.,
 Calgary, Alberta T2P 0M4



File No. 14003
 Date September 8, 1977
 Samples Stream Sediments
 Continuation of File # 13831

ATTN: M. Cowan

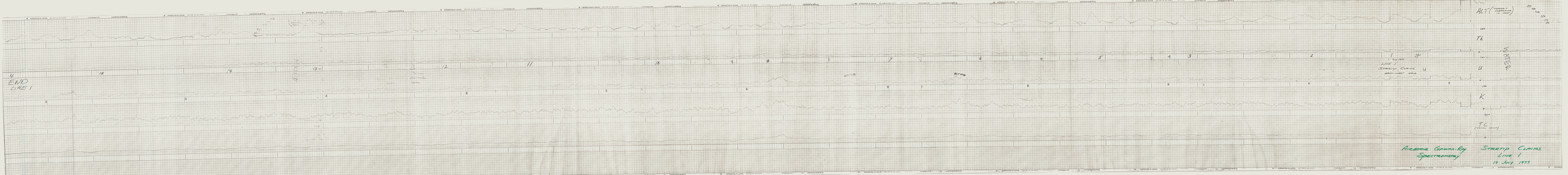
Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM W03
7-21-77-1 2 3 4 5 6	10 5 5 10 5 5 } <i>STARTUP CLAIMS</i>
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

Edm J. J. J.



ALT (TERRAIN CLEARANCE IN FEET)

200
150
100
50

T_h

0

u

100

100

K

1600

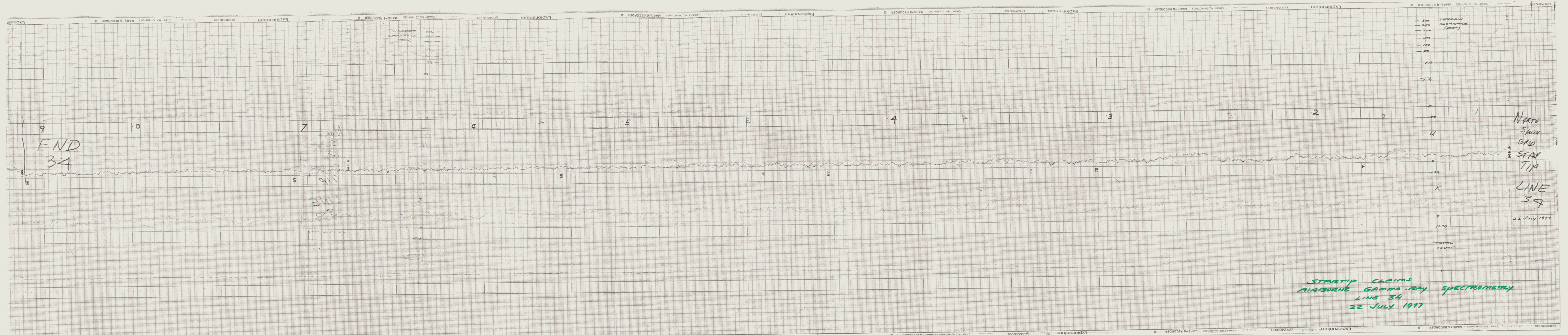
T.C. (TOTAL COUNT)

1 July 1997
STARTIP CLAIMS
EAST-WEST GRID

AIRBORNE Gamma-Ray Spectrometry
STARTIP CLAIMS
Line 1
19 July 1997

16
END
LINE 1





300
 250
 200
 150
 100
 50
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 9800
 9900
 10000

NORTH
 SOUTH
 GRID
 START
 TIP

LINE
 34

22 July 1977

9
 END
 34

7
 TIME
 34

STARTIP CLAIMS
 AIRBORNE GAMMA-RAY SPECTROMETRY
 LINE 34
 22 JULY 1977