December 16, 1970

Mr. F. W. Matthews
Supervisor, Projects Section
Department of Mines and Northern Affairs
Mining Lands Branch
Whitney Block, Queen’s Park
Toronto 182, Ontario

Dear Mr. Matthews:

Subject: Assessment Filing; Airborne Radiometric Data
Re Claims Red Lake Mining Division, Shabumeni Lake Area; 26 Claims Held by E. C. Burgan;
and 49 Claims Held by Lloyd E. Wilson

The four-channel airborne spectrometer survey was conducted simultaneously with the airborne magnetic and electromagnetic surveys by Canadian Aero on October 19 & 20, 1969. The report covering this survey you already have in your files in duplicate:


Enclosed please find two (2) only copies of the recorder chart strips showing clearly the altimeter trace, and the total count, potassium, uranium and thorium channels. The first chart (flight line 120) is labelled showing zero values, total deflection value and identity of each channel. All of the flight line profiles are identical.

Only minor variations in gamma ray activity are evident on these charts. Hence, in the absence of significant anomalies, no plan map of the radiometric data was prepared. However, the instrument used is documented in the Report, and the flight lines are those that are shown on the Fm and magnetometer plans. There is little room for discussion of results or interpretation in the absence of anomalous conditions. I trust you will
find the enclosed sufficient for your purposes. I have retained the original recorder charts, but if you would like to see them to verify the copies, I would be pleased to send them along for your perusal.

Enclosed are copies of the Report of Work which has been submitted in duplicate to Mr. Tukkanen in Red Lake.

Yours very truly,

NORTHWEST EXPLORERS (1967) LTD.

E. C. Burgan, President

/encl.
Can Aero Mineral Survey
Job No. 9577
North-West Explorers
Shabumeni Lake
T 120 E
Flt. 14

TC (Total Count)

K
U
K (100)
U (100)

1.0' Th 100 cps for full scale deflection of 2 1/2
Can Aero Mineral Surveys
Job No. 9577
North-West Explorers
Shabumani Lake
T 122 E       FLT 14
CAN AERO MINERAL SURVEYS
JOB NO. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 123 W FLT. 14
CAN AERD MINERAL SURVEYS
JOB No. 9571
NORTH-WEST EXPLORERS
SHABULUMNI LAKE
T.124 E       FZT. 14
CAN AERO MINERAL SURVEYS
Job No. 9577
NORTH-WEST EXPLORERS
Shabumeni Lake
T 125 W, Flt. 14
CAN AERO MINERAL SURVEYS
JOB NO. 257
NORTH-WEST EXPLORERS
SHABWENI LAKE
T 126 E  FLT.14
CAN AERIAL MINERAL SURVEYS

Job No. 9577

NORTHWEST EXPLORERS

SHALMENI LAKE

T 127 W  FLT 14
CAN AERIAL MINERAL SURVEYS
JOB NO. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 128 E    FLT. 14
Can Aero Mineral Surveys
Job No. 4577
North-West Explorers
Shabumeni Lake
T129 W  FLt. 14
Can Aero Mineral Surveys
Job No. 9577
North-West Explorers
Shibumeni Lake
T130 E
Flt. 14
CAN AERO MINERAL SURVEYS

Job No. 9577

NORTH-WEST EXPLORERS

SHABUMENI LAKE

T131 W FLT. 14
Can Aero Mineral Surveys
Job No. 4577
North-West Explorers
Shabumeni Lake
T 133 W
Flt. 14
Can Aero Mineral Surveys
Job No. 9577
Northwest Explorers
Shabumeni Lake
T 134 E    Flt. 14
CAN AERO MINERAL SURVEYS
JOB NO. 9477
NORTH-WEST EXPLORERS
SHABWENI LAKE
T 135 W  FLT 14
CAN AERIAL MINERAL SURVEYS
JOB NO. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 136 E          FLT. 14
CAN AERO MINERAL SURVEYS
Job No. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T137 W FLT. 14
Can Aero Mineral Surveys
Job No. 9577
North-West Explorers
Shabwenni Lake
T138 E  FL1 14
CAN AERO MINERAL SURVEYS
JOB NO. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T139 W    FLT 18
CAN AERO MINERAL SURVEYS
Job No. 4577
NORTH-WEST EXPLORERS
SHIBULUEN: LAKE
T140.E FLT 13
CAN AERO MINERALS SURVEY
JOB NO. 9677
NORTH-WEST EXPLORERS
SHAGUMEN LAKE
T14W       F1.13
CAN AERO MINERAL SURVEYS

JOB NO 9377

NORTH-WEST EXPLORERS

SHAKUMENI LAKE

7142 E  FLY 13
Can Aero Mineral Surveys
Job No 9577
North-West Explorers
Shabuleni Lake
T143 W Flt '3
Can Aero Mineral Surveys
Job No. 9577
North-West Explorers
Skaburni Lake
T 144 E FLT 13
CAN AERIAL MINERAL SURVEYS

JOB NO. 9577

NORTH-WEST EXPLORERS

SHABUMENI LAKE

T 145 W  F11 13
CAN AERO MINERAL SURVEYS
JOB No. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 146 E        FLT 13
CAN AERO MINERAL SURVEYS
JOB NO. 4577
NORTH-WEST EXPLORERS
SHABUMEN LAKE
T/47 W FLT. 13
CAN AERIAL MINERAL SURVEYS
Job No. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 148 E FLT 18
CAN AERIAL MINERAL SURVEYS
JOB No. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T149 W FLT 13
CAN AERO MINERAL SURVEYS
JOB NO. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T150E FLT. 13
CAN AERO MINERAL SURVEYS
JOB No. 9577
NORTHWEST EXPLORERS
SAMBUMENI LAKE
T 151 W  FLT. 13
CAN AERO MINERAL SURVEYS
JOB No. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T. 152 E    FLT 13
CAN AERO MINERAL SURVEYS

JOB NO. 9577

NORTH-WEST EXPLORERS

SHABUMENI LAKE

THIS W FLT. 13
CAN AERO MINERAL SURVEYS
JOB NO. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 15S W FLT 13
CAN AERO MINERAL SURVEYS
Job No. 9577
NORTH-WEST EXPLORERS
SHABUMENI LAKE
T 154 E      FLT 13
CAN AERO MINERAL SURVEYS
JOB NO. 6577
NORTH-WEST EXPLORERS
SHOULDER LAKE
T 72-N  F17-14
NOTIFICATION OF RECORDING
OF ASSESSMENT WORK CREDITS

Date of Recording of Work [... December 21, 1970.]
Recorded Holder [... Mr. E. C. Burgan,...]
Township or Area [... Shabumeni Lake Area M.2665,...]

<table>
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<th>Type of Survey and number of Assessment Days</th>
<th>Credits per claim</th>
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<td>GEOPHYSICAL Airborne □ Ground □</td>
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<tr>
<td>Magnetometer</td>
<td>days</td>
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<td>Electromagnetic</td>
<td>days</td>
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<td>days</td>
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<tr>
<td>GEOLOGICAL</td>
<td>days</td>
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<tr>
<td>GEOCHEMICAL</td>
<td>days</td>
</tr>
<tr>
<td>SECTION 84 (14)</td>
<td>days</td>
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NOTICE TO RECORDED HOLDER

☑ Survey reports and maps in duplicate must be submitted to the Projects Section, Toronto within 60 days from the date of recording of this work.

☐ Reports and maps are being forwarded to Projects Section with this letter.

Mineral Claims

KRL 70990, 96 & 97
KRL 71004 - 6 incl.
KRL 71286 - 91 incl.
KRL 71662 - 75 incl.

E. C. Burgan,
320 Seventh Ave. S.W.,
Calgary 2, Alberta.

Mining Recorder.
Fred W. Matthews,  
Supervisor, Projects Section,  
Ontario Department of Mines,  
Whitney Block,  
Parliament Buildings, Toronto.

NOTIFICATION OF RECORDING  
OF ASSESSMENT WORK CREDITS

Date of Recording of Work  .. December 21, 1970.  
Recorded Holder  .. Lloyd E. Wilson.  
50 Street, Fort Road, Edmonton, Alberta...  
(address)

Township or Area  .. Shabumeni Lake, Area M. 2665

<table>
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KRL. 69831-69865 incl.  
KRL. 70983-84 incl.  
KRL. 70987-89 incl.  
KRL. 71653-61 incl.

E. C. Burgan,  
320 Seventh Ave. S.W.,  
Calgary, Alberta.