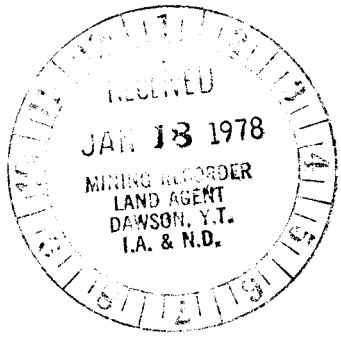


Assessment Report

on

Sumting 1-22 Claims

Dawson Mining District

Claim Sheet 116B/7

Latitude 64°27'N, Longitude 138°27'W

December 23, 1977

Alan R. Archer, P. Eng. Consulting Engineer

090272

This report has been examined by the Geological Evaluation Unit and is recommended to the [illegible] to be considered as [illegible] work in the amount of

$2645.00

[illegible] work credit

Considered [illegible] Mining Act

Section [illegible]

B. R. BAXTER

Supervising Mining Recorder

TABLE OF CONTENTS

Figures in Pocket

INTRODUCTION

The Sumting property was staked in 1976 to cover an area where scattered radioactive float was found while prospecting a small zone of tinguaite within the centre of the Tombstone intrusion. Assays of up to 0.34% U_3O_8 were obtained but a search for the source was prevented by an early snowfall.

The 1977 work was conducted under the management of Archer, Cathro & Associates Ltd. from July 13 to 15 and consisted of detailed prospecting of the northern half of the claims plus a radiometric grid over the best area. The field crew consisted of D. Eaton, R. Warner and J. Cockell.

The claims are centred on the east and west flowing forks of the headwaters of the Blackstone River. The forks are above timberline and drain flat, alpine-glacier-boulder covered valleys bounded by sheer inaccessible cliffs to the south and by steep partially talus-covered slopes to the north.

PROPERTY, LOCATION AND ACCESS

The Sumting property consists of a subrectangular, contiguous block of 22 mineral claims recorded in Dawson as follows:

CLAIM NAME	GRANT NUMBERS	EXPIRY DATE
Sumting 1-8	YA 9486 - YA 9493	1 September, 1978
Sumting 9-18	YA 9515 - YA 9524	1 September, 1978
Sumting 19-22	YA 9533 - YA 9536	1 September, 1978

The claims are located at 64°27'N and 138°27'W within NTS claim sheet 116B/7, 59 km (37 miles) northeast of Dawson. The nearest road point is Km 58 (Mile 36) on the Dempster Highway, which lies 13 km (8 miles) to the east. Access was by helicopter from Dawson.

1977 EXPLORATION PROGRAM

Geological Mapping

The property occurs within the northern half of the Tombstone syenite intrusion and overlies several roof pendants of sedimentary rocks as well as a zone of tinguaite mapped by the GSC.

The 1977 mapping was restricted to the northern, accessible portion of the claims as illustrated on Figure U-SU1 in the pocket. Seven roof pendants were located within the claim boundary. They range up to 2000 m in length and are composed of Triassic limestone, Jurassic schists and Mesozoic quartzite ("Keno Hill" quartzite). The limestone is recrystallized to marble and occasionally contains zones of coarse garnet-diopside skarn. The quartzite and schists exhibit weak bleaching and rusty hornfelsic alteration. The west end of the large schist roof pendant near the centre of the claims is strongly cut by both fine grained syenite and fine grained tinguaite dikes up to 1 m wide.

The syenite intrusion has a complex composition and texture, with coarse and fine grained phases as well as numerous, often intersecting, finer grained syenite dikes. Medium grained tinguaite with feldspar laths and minor pseudoleucite phenocrysts occurs in a 300 m wide zone at the southeast end of the claims. Two additional zones of tinguaite, each less than 100 m wide, are found at the north and northwest sides of the claim block. These contain abundant coarse pseudoleucite phenocrysts (up to 2 cm across) and generally have a lighter coloured matrix than tinguaite elsewhere in the district.

Mineralization and Radiometrics

The mineralized float found in 1976 was traced to a discontinuous zone of weak jointing with minor limonite staining developed in tinguaite at the east end of the claims. The jointed zone contained a few isolated spots of high radioactivity from which a high grade specimen assayed 0.354% U_3O_8. Isolated spots of anomalous radioactivity were also found in most skarns and as float near the small area of tinguaite on the north side of the claims. Best grade specimens from these areas assayed between 0.012% and 0.20% U_3O_8. All assaying was done at Chemex Labs Ltd., North Vancouver, B.C.

The dikes cutting the west end of the schist roof pendant near the centre of the claims exhibit up to three times background radioactivity and a specimen from one assayed 0.024% U_3O_8. A radiometric grid 350 m by 250 m in size was established over the portion with most abundant dikes but no strongly anomalous response or mineralization was located. Radiometric readings were taken at waist height using a Scintrex BG-S-ISL model (43 cc cyrstal) scintillometer.

CONCLUSIONS AND RECOMMENDATIONS

The source of the 1976 mineralized float was located and found to consist of isolated radioactivity within jointed tinguaite. Several small, weakly radioactive zones were found elsewhere on the property but assays were consistently less than 0.025% U_3O_8.

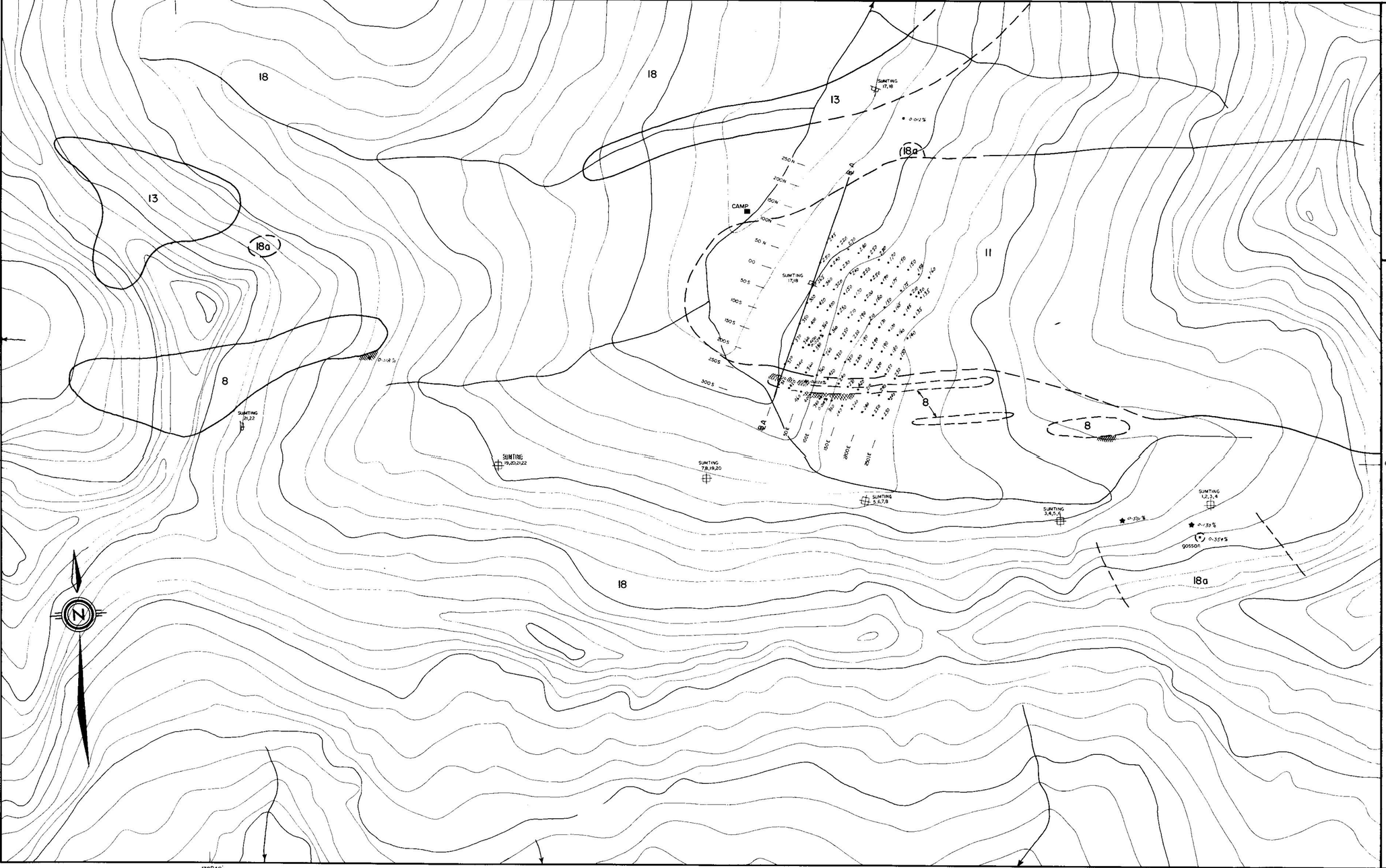
No further work is recommended and the claims should be allowed to lapse on their normal expiry date.

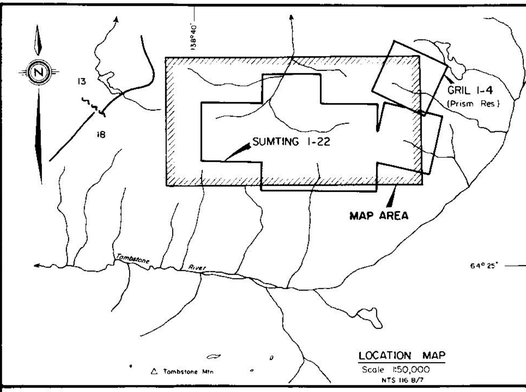
Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES LTD.,

A.R. Archer, B.A.Sc., P.Eng.

ARA:jm





LOCATION MAP
Scale 1:50,000
NTS 116 B/7

LEGEND

- 0.018% rock sample location and assay in % U_3O_8
- 0.58% 1976 UJV sample location and assay in % U_3O_8
- 220 radiometric station and reading at waist height
- claim post locations
- geological contact—observed, approximate
- skarn

18a	pseudoleucite tinguaite
18	syenite - quartz monzonite
13	Keno Hill quartzites
11	'lower schist' slates and phyllites
8	limestone and marble

Association of Professional Engineers of the Yukon
A. R. ARCHER
C. R. CATHRO
GEOLOGICAL
ENGINEER

Dec 28/77

Fig. U-SU1

ARCHER, CATHRO & ASSOCIATES LTD

GEOLOGY, ASSAYS and RADIOMETRICS

SUMTING 1-22 CLAIMS

UKON JOINT VENTURE

Scale 1:5,000

100 0 50 100 200 300 400 Metres

NTS 116 B/7

To accompany a report by A.R. Archer dated Dec., 1977