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**ASSESSMENT REPORT**

Describing

**ROAD CONSTRUCTION**

at the

**PLATA PROPERTY**

Cuzco, Inca, Plata and Trail Claims

NTS 105N/9 & 105O/12  
Latitude 63°37' N; Longitude 132°00' W

Field work performed between September 1 to 10, 2017

in the

Mayo Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

H. Burrell, P. Geo.

February 2018

## **CONTENTS**

INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
GEOMORPHOLOGY AND CLIMATE	2
2017 WORK PROGRAM	3
DISCUSSION AND CONCLUSIONS	5
REFERENCES	6

## **APPENDICES**

- I STATEMENT OF QUALIFICATIONS
- II STATEMENT OF EXPENDITURES

## **FIGURES**

<u>No.</u>	<u>Description</u>	<u>Follows page</u>
1	Property Location	1
2	Claim Locations	1
3	Road and Trail Network	2

## INTRODUCTION

The Plata property is located in east-central Yukon and hosts silver-, gold-, lead- and zinc-bearing veins and stockwork zones. The property is owned by Strategic Metals Ltd.

The 2017 work program on the Plata property was done between September 1 and 10. This work was conducted by 15317 Yukon Inc. under the supervision of Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The exploration program was performed from a temporary camp located adjacent to the Plata airstrip in the southern part of the property. The author supervised the program and her Statement of Qualifications is in Appendix I. A Statement of Expenditures is located in Appendix II.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Plata Property is located in east-central Yukon Territory at latitude 63°37' north and longitude 132°00' west on National Topographic System map sheets 105N/9 and 105O/12 (Figure 1).

The property consists of 281 contiguous mineral claims that cover a total area of approximately 5690 hectares (56.9 km<sup>2</sup>). The claims were staked under terms of the Yukon Quartz Mining Act and are registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. The locations of the individual claims are shown on Figure 2, while claim tenure information is tabulated below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Cuzco 1-38	YC57479-YC57516	Mar 05, 2021
Inca 1	Y68955	Mar 05, 2024
2	YC57477	Mar 05, 2021
3-7	Y68957-Y68961	Mar 05, 2024
9	Y68963	Mar 05, 2024
10	YC57478	Mar 05, 2021
11	Y68965	Mar 05, 2024
13-17	Y68967-Y68971	Mar 05, 2024
19	Y68973	Mar 05, 2020
21	Y68975	Mar 05, 2020
Plata 1-24	Y68588-Y68611	Mar 05, 2024
25-32	Y68580-Y68587	Mar 05, 2024
82	Y68678	Mar 05, 2024
84	Y68680	Mar 05, 2024
86	Y68682	Mar 05, 2024
88	Y68684	Mar 05, 2024
90	Y68686	Mar 05, 2024
92	Y68688	Mar 05, 2024
94	Y68690	Mar 05, 2024
96-112	Y68692-Y68708	Mar 05, 2024

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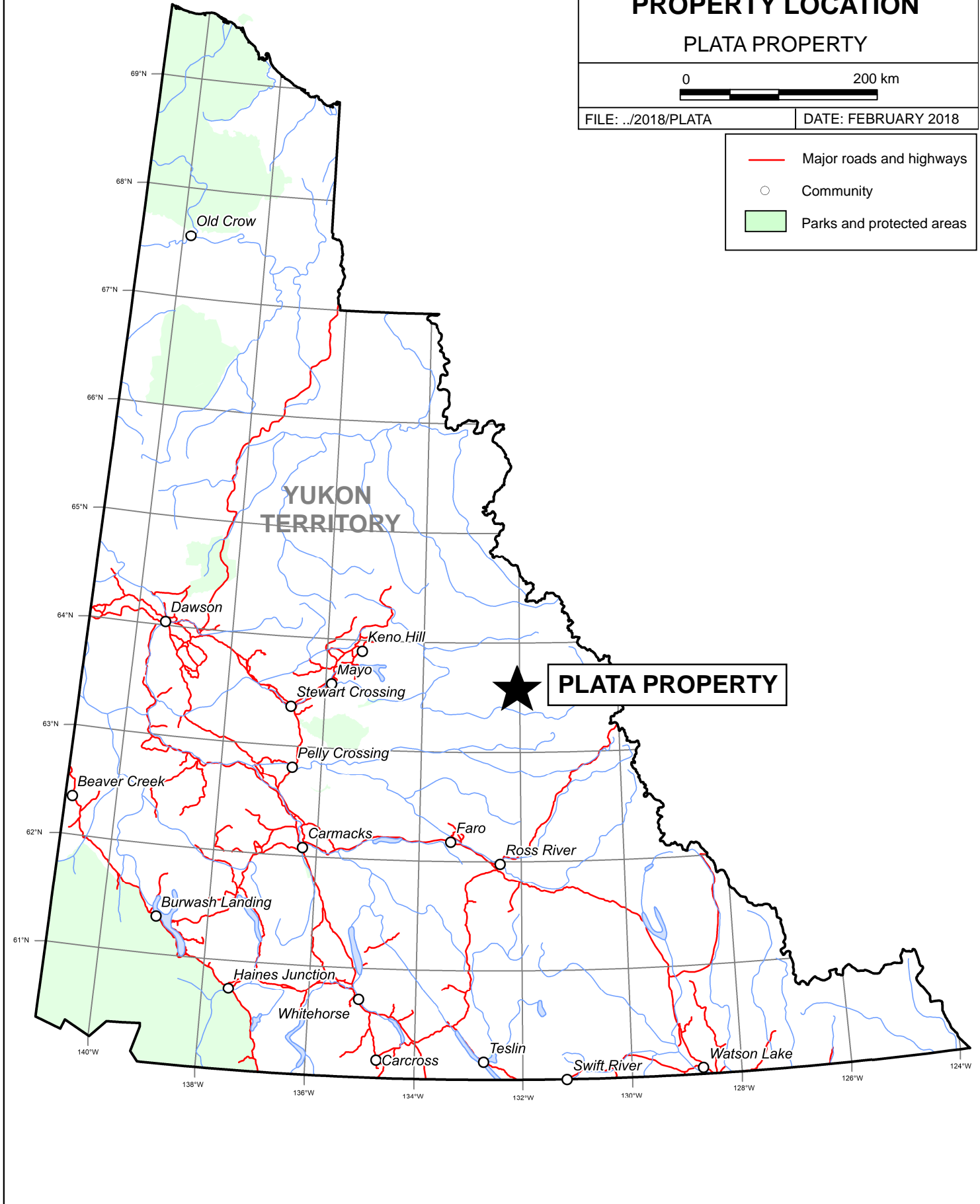
FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY LOCATION**  
PLATA PROPERTY



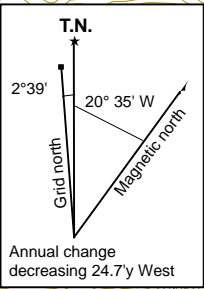
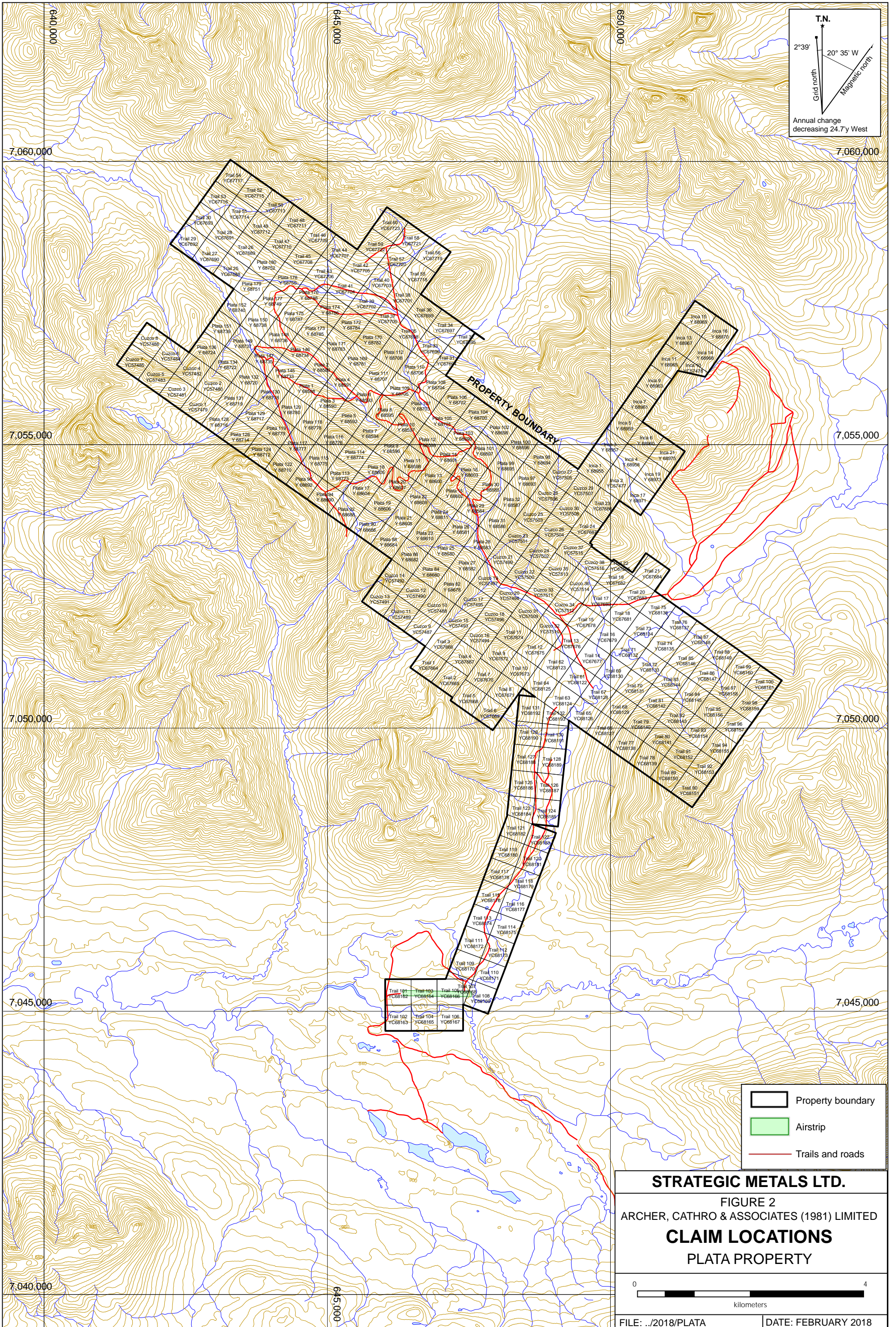
FILE: ../2018/PLATA

DATE: FEBRUARY 2018

- Major roads and highways
- Community
- Parks and protected areas







- Property boundary
- Airstrip
- Trails and roads

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FIGURE 2  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATIONS**  
PLATA PROPERTY

kilometers

FILE: ../2018/PLATA      DATE: FEBRUARY 2018



113-120	Y68773-Y68780	Mar 05, 2024
122	Y68710	Mar 05, 2024
124	Y68712	Mar 05, 2024
126	Y68714	Mar 05, 2024
128-132	Y68716-Y68720	Mar 05, 2024
134	Y68722	Mar 05, 2024
136	Y68724	Mar 05, 2024
145-152	Y68733-Y68740	Mar 05, 2024
169-176	Y68781-Y68788	Mar 05, 2024
177-180	Y68749-Y68752	Mar 05, 2024
Trail 1-24	YC67664-YC67687	Mar 05, 2023
25-60	YC67688-YC67723	Mar 05, 2022
61-132	YC68122-YC68193	Mar 05, 2023

\* Expiry dates include 2017 work.

The Plata property is located 190 km east of the village of Mayo and 165 km north of the community of Ross River. Both Mayo and Ross River are accessible by the Yukon highway system and have government-maintained gravel airstrips. The city of Whitehorse, the capital of Yukon Territory, lies 407 km by road south of Mayo and 360 km by road southwest of Ross River.

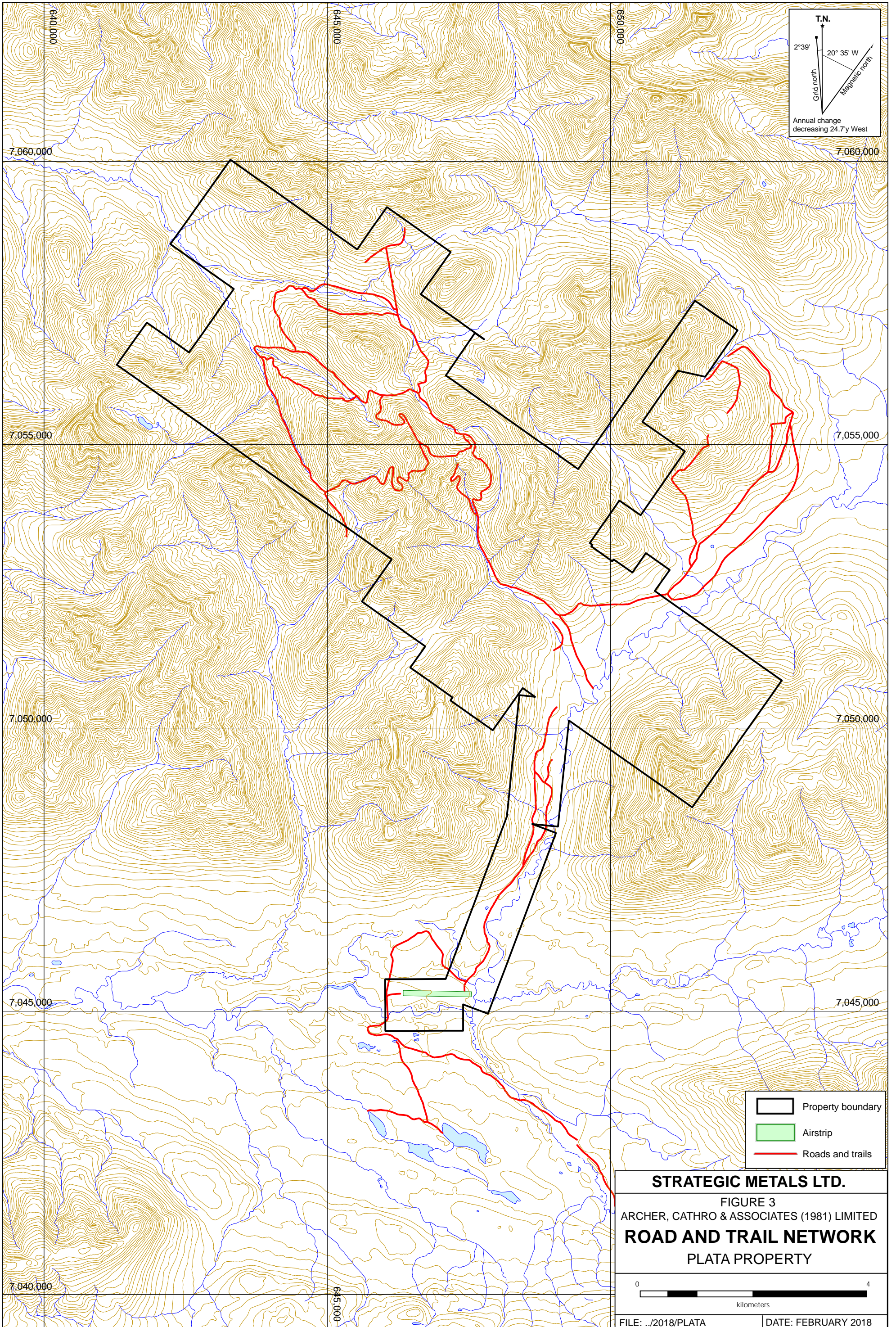
The property can be reached by helicopter from seasonal bases in Mayo and Ross River. A gravel airstrip suitable for all types of bush aircraft is located on the property, approximately 11 km from the camp and main showings. There is a road connecting the camp to the airstrip, while extensive system of 4x4 roads and bulldozer trails connects the camp to various work areas on the property (Figure 3). A 110 km long winter road, which has been used at various times to mobilize heavy equipment to the property, extends from the airstrip to the North Canal Road, a gravel road that runs northeast from Ross River to development projects near the border between Yukon and Northwest Territories.

Previous work programs have been conducted from a tent frame camp located 11 km by road from the Plata Airstrip; however, the 2017 work crew stayed near the airstrip to reduce travel time with the road building equipment.

### **GEOMORPHOLOGY AND CLIMATE**

The Plata property lies within the Bostock Range of the Hess Mountains. It is situated between the Rogue and Hess rivers, which ultimately drain into the Bering Sea via the Pelly and Yukon rivers. The property covers mountainous terrain with elevations ranging from 750 m to more than 2100 m above sea level. Outcrop is sparse in lower areas, which have been glaciated and are blanketed by till of varying thickness. At higher elevations, outcrop is relatively abundant along ridge crests and on north- and east-facing slopes, but elsewhere talus and scree predominate over glacial till.





T.N.  
 2° 39' Grid north  
 20° 35' W Magnetic north  
 Annual change decreasing 24.7' West

- Property boundary
- Airstrip
- Roads and trails

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 FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ROAD AND TRAIL NETWORK**  
 PLATA PROPERTY



Creek bottoms are heavily vegetated with mature spruce forests and willow thickets. These stands gradually give way to stunted spruce and buckbrush until treeline is reached at about 1400 m. Open slopes interspersed with occasional alpine grasses and shrubs occur at higher elevations.

The climate in the Plata area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Detailed climate information is not available for the property, but the closest weather station at Ross River reports average temperatures in January of  $-27^{\circ}\text{C}$  and in July of  $14^{\circ}\text{C}$  (Yukon Community Profiles, 2009). Total annual precipitation averages approximately 161 cm, mainly occurring as rain during the summer months. Maximum snow pack averages about 98 cm. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. Sunlight ranges from 22 hours per day in June to approximately seven hours per day in late December. The property is mostly snow free from early June to late September.

### **2017 WORK PROGRAM**

In September 2017, a two person crew from 15317 Yukon Inc. accessed the Plata property via fixed wing aircraft. From September 1 to 10 the crew performed road construction using a John Deere 450 and a Caterpillar 308 excavator (Photo 1 and Figure 3).



Photo 1 – John Deere 450 bulldozer and Caterpillar 208 excavator

Road construction work included the application of geotextile cloth and the movement of gravel to various locations to allow for proper drainage (Photo 2).





Photo 2 – Road construction on the Plata property

In summer 2017, a forest fire in the Plata property area burnt forest on the south side of the airstrip (Photo 3); however, the fire did not cross the airstrip and therefore the tent platforms at the primary camp remain intact.



Photo 3 – Forest fire burn

## **DISCUSSION AND CONCLUSIONS**

Additional work is strongly recommended at the Plata property. This work should include:

- 1) property-wide mapping to further delineate structures known to host mineralization and to establish the location and orientation of competent or reactive units relative to those structures;
- 2) prospecting to follow up previously identified geophysical and soil geochemical anomalies;
- and, 3) extensive trenching and drilling to evaluate highly prospective mineralized zones.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



Heather Burrell, P.Geol.



**REFERENCES**

Yukon Community Profile  
2009 Community Profile- Online Database; Yukon Government.

**APPENDIX I**  
**STATEMENT OF QUALIFICATIONS**



## STATEMENT OF QUALIFICATIONS

I, Heather Burrell, geologist, with business addresses in Vancouver and Squamish, British Columbia and Whitehorse, Yukon Territory and residential address in Whitehorse, Yukon, do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.
3. I am a Professional Geoscientist (P. Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 34689).
4. I have personally supervised the fieldwork reported herein and have interpreted all data resulting from this work.



H. Burrell, B.Sc., P.Geo.

**APPENDIX II**  
**STATEMENT OF EXPENDITURES**



Statement of Expenditures  
281 Cuzco, Plata, Inca and Trail Mineral Claims  
February 7, 2018

Labour

D. Eaton geologist 22 hours April to December at \$120/hr	\$ 2,772.00
H. Burrell geologist 1 hour April to December at \$111/hr	116.55
J. Morton geologist 1 hour April to December at \$96/hr	100.80
J. Itkin office 2.3 hours April to December at \$96/hr	231.84
J. Mariacher office 3 hours April to December at \$90/hr	283.50
W. Schneider expedite 7 hours April to December at \$96/hr	705.60
C. Beck office and expedite 5 hours April to December at \$81/hr	425.25
L. Corbett expedite 11 hours April to December at \$81/hr	935.55
L. Smith office and expedite 7 hours April to December at \$81/hr	595.35
V. Cournoyer-Derome expedite 8 hours April to December at \$51/hr	428.40
S. Newman office 6 hours April to December at \$68/hr	<u>428.40</u>
	7,023.24

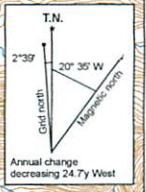
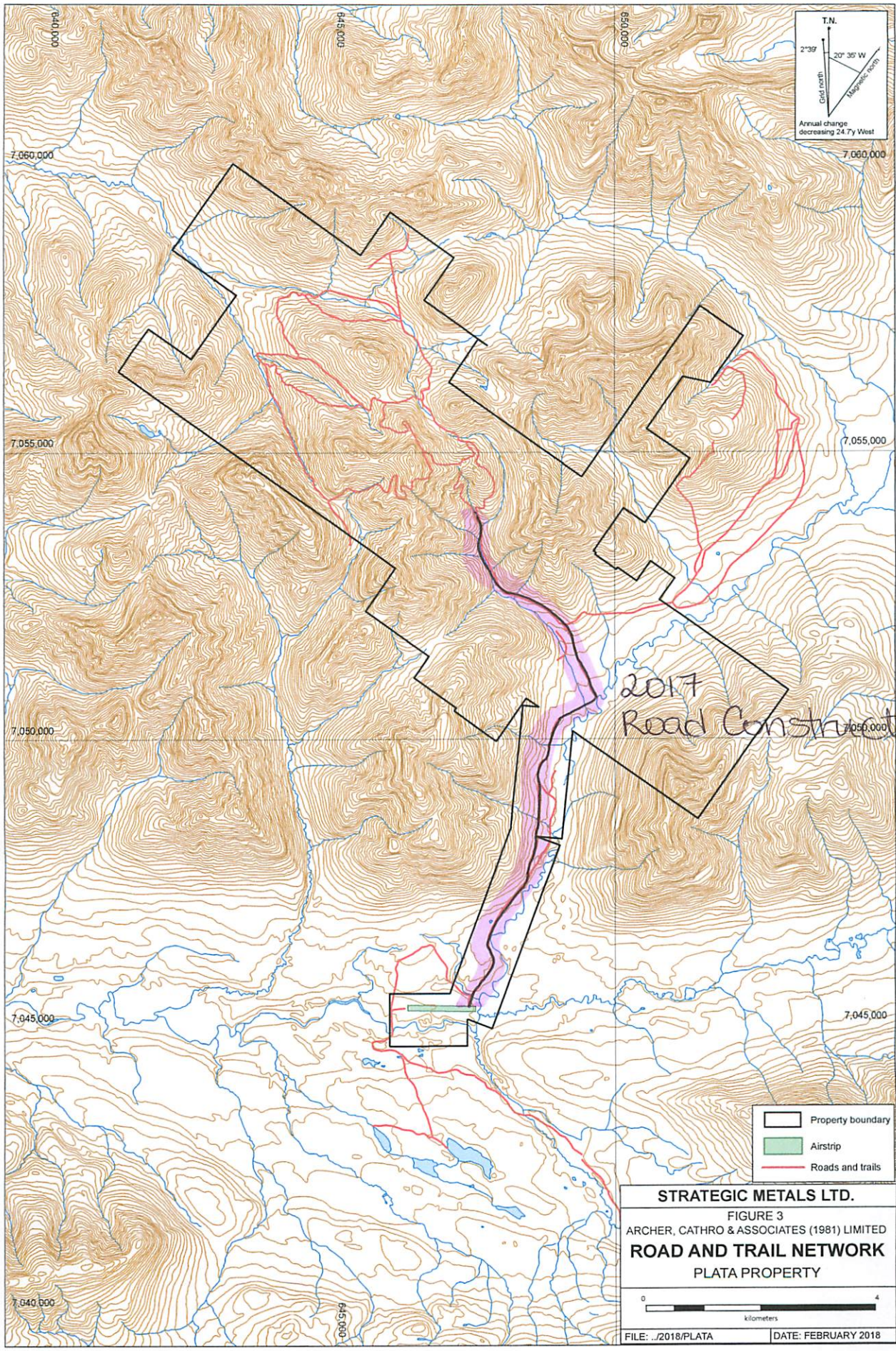
Expenses including management

Alkan Air	8,502.12
15317 Yukon Inc.	21,974.65
Tintina Trenching	3,390.00
Truck rental plus fuel	3,099.87
Diesel	1,330.01
Report preparation est.	<u>4,500.00</u>
	42,796.65

Total \$49,819.89

One-half allowable \$24,909.95





2017 Road Construction

- Property boundary
- Airstrip
- Roads and trails

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 FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ROAD AND TRAIL NETWORK**  
 PLATA PROPERTY

