

MAP. No.

105-D-3

PROSPECTUS  
ASSESSMENT REPORT  
N. M. E. A. P.  
CONFIDENTIAL  
OPEN FILE



TYPE OF  
WORK:

Whitehorse MD  
Geol.

REPORT FILED UNDER

Con-Am Resources Ltd.

DOCUMENT NO. 061493

DATE PERFORMED

August 2, 3, 1974

DATE FILED: April 30, 1976

LOCATION - LAT.  
LONG.

60°11'N

AREA: Carbon Hill, Yukon

135°17'W

CLAIM NO.

DIANE 1-8 YA 4178-85

VALUE \$

WORK DONE BY

F. Holcapek (Agilis Engineering Ltd.)

WORK DONE FOR

Con-Am Res. L.

REMARKS

Antimony, lead and silver mineralization in veins ranging from a few inches to 3 feet in width occur in granites and andesites.

061493

**REPORT ON THE  
DIANE 1 - 8 MINERAL CLAIMS  
WHEATON RIVER DISTRICT  
WHITEHORSE MINING DISTRICT, YUKON  
FOR  
CON-AM RESOURCES LTD.**

**Vancouver, B.C.  
April 23, 1976**

**F. Holcapek, P. Eng.**

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## MAPS

### PROPERTY LOCATION MAP

The increase in silver and antimony prices over the past 10 years and the proximity of this claim group to the Pop claims warrant further work to evaluate the economic potential.

### 3-00 RECOMMENDATIONS:

A two phased program is recommended, the second phase depending on the results of the first.

#### Phase I:

1. Assembling all information available on the property.
2. Establish a grid 200 feet by 100 feet for ground control.
3. Geological mapping.
4. Prospecting of claim.
5. Cleaning and sampling of old trenches.
6. Electromagnetic survey to trace known veins.

#### Phase II:

1. Reopening of old adits.
2. Geological mapping and sampling of adits.
3. Diamond drilling if warranted.

### 4-00 COST ESTIMATE:

#### Phase I:

A minimum of \$20,000.00 will be required to complete Phase I.

**Phase II:**

Since the condition of the underground workings is not known it is impossible to estimate the costs, but a minimum of say \$100,000.00 should be budgeted to complete the above program.

It is imperative that all work programs are supervised by a professional engineer.

Total Phase I and Phase II: \$120,000.00



Vancouver, B.C.  
April 23, 1976

### 5-00 INTRODUCTION:

On request of Mr. E. Bergvincent, CON- AM Resources Ltd., the writer completed a study of the economic potential of the Diane Mineral claims, located on the northwest side of Carbon Hill, Wheaton River District, Whitehorse Mining Division, Yukon Territory.

The writer visited the Carbon Hill area during August 1974.

The purpose of this report is to state the findings and recommend an exploration program if warranted.

### 5-10 Property:

The Diane group of mineral claims is located 40 miles SSW of Whitehorse in the Wheaton River District, Yukon, and consists of the following mineral claims:

#### Claim Name

Diane 1 - 8

#### Record Numbers:

YA 4178 - YA 4185

### 5-20 Access:

Access to the claim group is by 25 miles of gravel road, via the Amie Lake road SW of Carcross, 12 miles from the Alaska Highway.

Several of the bridges across Wheaton River have been washed out and need rebuilding. The old airstrip in the Wheaton River Valley at Becker - Cochrane Creek is in bad repair and not serviceable at this time.

Helicopters are based in Whitehorse and are available for charter.

### 5-30 Topography and Climate:

The topography of the area is mountainous. Elevations range from 3,000 feet above sea level in the valley of the Wheaton River to 6,000 feet at the higher peaks. The mountains are steep but in general well rounded with only occasional cliffs.

The claim group lies above timber line. Grass and low bushes are the predominant vegetation. Water and timber is plentiful along the Wheaton River Valley.

The climate of the district is typical for the higher elevations in the southern Yukon.

Summers are mild with frequent rain showers and long periods of daylight during June and July. Winter prevails for 7 months, with snow cover from late October til late May. Temperatures can dip to  $-50^{\circ}\text{F}$ .

Rivers are normally frozen from late October to mid May.

### 6-00 HISTORY:

The earliest record of prospecting in the vicinity of Carbon Hill dates back to 1893 when two prospectors, F. Corwin and Th. Rickman discovered gold and antimony on Carbon and Chieftain Hill.

The showings, known as the Porter or Fleming property, were rediscovered in 1898 by Mr. W.F. Schnabel and others.

From the time of staking til 1915 the property was explored by surface trenching, sampling and 1,100 feet of underground development.

During 1964, the Fleming property became part of the claim holdings of Yukon Antimony Co. Ltd., but only superficial exploration was conducted on this part of their claims.

In 1975, the Fleming property was restaked as the Diane Mineral claims by Mr. D. Bernier.

7-00 GEOLOGY:

The geology has been mapped by Cairnes of the Geological Survey of Canada in 1916. He states: "throughout the Wheaton District geology is intricate and has been complicated by the great diversity in age and character of the various formations that have been subjected to a number of intense volcanic invasions".

The Wheaton River District lies along the eastern limits of the Coast Range and the area is thought to be underlain by granitic rocks of the Coast Range Batholith of Cretaceous Age.

Intrusives, volcanics and sediments ranging from Precambrian to recent in age have been found in the area.

The Carbon Hill mineralization is normally associated with shear zone cutting argillites and related rocks.

Two ages of dykes, the first andesitic - Skukum group dykes - pre shearing in age, the second quartz rhyolite, younger than the shearing, have been found in vicinity of the mineralization associated with shearing.

**8-00 ECONOMIC GEOLOGY:**

During the property visit it was found that all trenches and underground workings were either sloughed or caved and hence inaccessible.

All information has been taken from government reports or reports by R.G. Hawley, A.P. Fawley and M.P. Stadnyk. The last three authors were engaged in the exploration and development of the Becker - Cochrane deposits located approximately 1 mile to the north east of the subject property.

Past exploration on the property led to the discovery of a multitude of veins, but poor exposure and insufficient work does not allow correlation of individual outcrops. The majority of the veins occur in granites and some have been found to cut andesitic volcanics.

Numerous andesitic and rhyolitic dykes, faults and shears are reported from the underground workings.

The veins are from a few inches to 3 feet wide and consist of quartz and sulphides following fractures and shears. The main sulphides are stibnite, pyrite, galena and variable amounts of sphalerite. Gold and silver have been found to be associated with the sulphides.

Reported assay results from the property are highly variable, but an indicated grade from about 300 samples assayed by various people is:

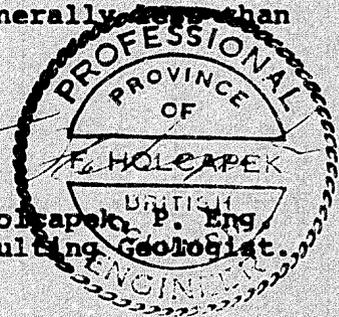
**antimony:** massive sections up to 25%; generally less than 20%

**lead:** massive sections 7% - 15%; average less than 5%

**silver:** high grade 15 oz to 30 oz/ton; normally less than 5 oz/ton; highest assay obtained: 500 oz/ton

**gold:** up to 0.1 oz/ton, generally less than 0.05 oz/ton.

F. Holcapek, P. Eng.  
Consulting Geologist.



Vancouver, B.C.  
April 23, 1976

# YUKON TERRITORY

## CON-AM RESOURCES

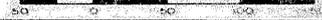
DIANE CLAIMS 1-8

WHEATON RIVER DISTRICT

WHITEHORSE M.D.

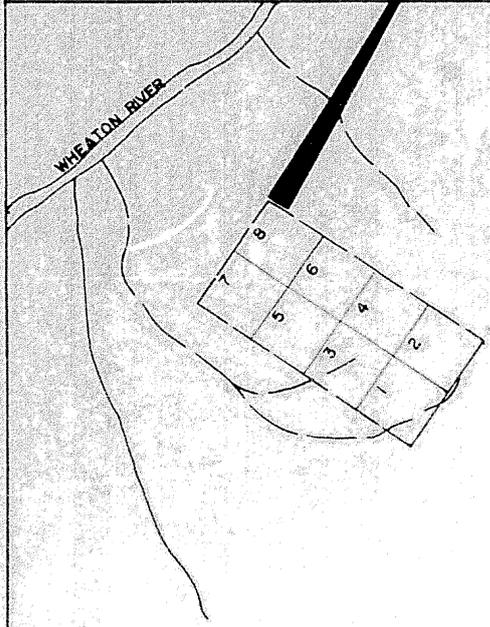
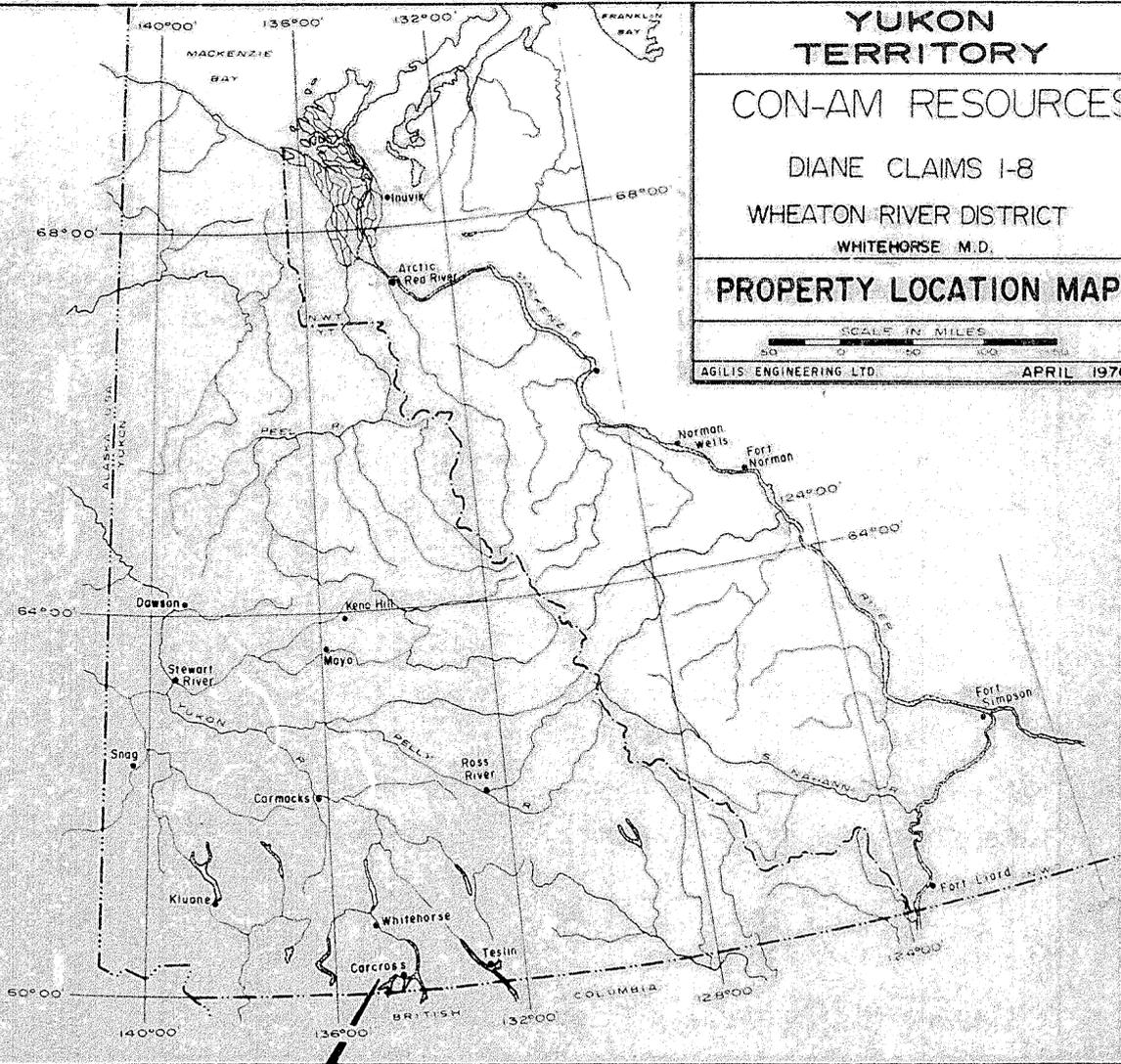
### PROPERTY LOCATION MAP

SCALE IN MILES



AGILIS ENGINEERING LTD.

APRIL 1976



DIANE CLAIMS

SCALE 1 inch = 1/2 mile

