

**ASSESSMENT REPORT**

**106D-08-1**

**KATHLEEN LAKE NORTH**

**PREPARED BY**

**DIAND TECHNICAL SERVICES**

**MARCH, 1994**

106D-08-1

**KATHLEEN LAKE NORTH**

**LOCATION**

Latitude: 64° 17'09"N

Longitude: 134° 11'50"W

The exploration site is located in a very remote location approximately 116km northeast of the village of Mayo and 5km north of Kathleen Lakes. The site is located near the contact between the Wernecke Mountains and the Yukon Plateau. The site can be reached by travelling winter trails during the winter, but main access will be using helicopter.

The site is approximately 1200m above sea level.

Site maps showing the location of the site are attached as Appendix A to this report.

**WORK HISTORY**

A work history has been compiled from the Department of Indian Affairs and Northern Development Yukon Minfile record 106D 006. This work history follows.

September, 1951 - Staked as Donald claims by G. Dickson.

1953 - The site was explored under option with trenching by Leitch Gold Mining Ltd.

1954 - 39 hand trenches, extensive sampling, and mapping was completed by Prospectors Airways on behalf of a syndicate which included Noranda Mines Ltd. and Kerr Addison Gold Mines Ltd.

July, 1959 - Restaked as Dago claims by Dickson.

March, 1966 - Trenching was completed to this date when the property was optioned to Atlas Exploration Ltd. Atlas added the Soda claims and conducted an evaluation survey and regional geochemical survey later in the year.

March, 1968 - Dickson added the Bud claims and formed a new company, Rackla River Mines Ltd. to develop the property. Rackla completed surface mapping, sampling, and trenching before optioning the claims to Casino Silver Mines Ltd. in August, 1969.

1969-1970 - Casino conducted an IP survey and drilled 580.3m from 4 holes.

1972 - Rackla River Mines Ltd. conducted further grid soil sampling and limited packsack drilling and added the Con claims.

1974 - The property was optioned to Anvil Mining Corporation and drilled 228.6m from 2 holes.

1976 - Rackla River Mines Ltd. changed its name to North Atlantic Resources Ltd. and transferred the property back to Dickson who optioned it to Pan Acheron Mining Ltd. in 1977.

1977 - Pan Acheron enlarged the property.

1978 - Pan Acheron drilled 1554.5m from 22 holes.  
1979 - The Scotty and Fanale claims were added.  
1980 - Geochemical sampling was completed.  
1983 - Mapping, geochemical sampling, and trenching was completed.  
1984 - Dickson hand trenched on the Bud & Dago claims.

### CLAIMS STATUS

Status of mineral claims including claim names and numbers, claim expiry dates, and current owners in the vicinity of the Kathleen Lake North site have been noted as of 1992/03/31 as follows;

<u>CLAIM NAME/NUMBERS</u>	<u>EXPIRY DATE</u>	<u>OWNER</u>
Dago 3, 5	1993/07/31	G. Dickson

The major commodities identified at this site are lead, zinc, and silver.

The claims cover Ordovician to Lower Devonian Road River Formation limestone and calcareous shale underlain by Late Proterozoic orange weathering dolomite and limestone in the core of a southeast trending syncline. Breccia zones in the dolomite are related to crosscutting northeast structures and contain sphalerite and minor galena with low silver values. The sulphides have weathered to form extensive gossans at surface.

### CURRENT SITE CONDITIONS

From the McQuesten Lakes a winter trail extends past the Clark Lakes to the north side of the Kathleen Lakes and extends to the site approximately 5km north of Kathleen Lakes. This trail could only be used in the winter to enable crossing several stream crossings. The most suitable means of access is flying to the site using helicopters.

Site photographs showing current site conditions are attached as Appendix B to this report.

The site appears to be covered by a till like material made up of gravel, cobbles, boulders, sand and silt.

The site is covered by a sparse covering of black spruce, willows, and alpine grasses.

No surface water features were observed in the vicinity of the site during the inspection on 1993/07/26.

Exploration at this site has been limited to surface drilling and trenching. Extensive areas have been exposed from construction of exploration trails and trenching. No adits were constructed at this location.

The only other visible infrastructure at this site included;

- 3 empty 204 litre fuel barrels,
- 30-40 core boxes.

Because the site is so high and dry the exploration trails and trenched areas have not revegetated naturally.

In summary, very little infrastructure remains at this site.

### **RECOMMENDATIONS**

The exploration trails to the site are steep and narrow and constructed on coarse granular material. The area is dry with only some surface raveling taking place. Revegetation on the road surface and "cut slopes" has started and will advance slowly. Leaving the area to recover naturally appears to be the only practical solution. Reshaping the drill roads to completely blend in to the natural landscape would be very costly and disturb any natural recovery that has occurred in the area, and is not recommended.

If a waste clean-up program is ongoing in the area, it is recommended that the 3 barrels and core boxes be removed from the site. Recovery of these barrels and boxes will have to be completed using a helicopter as the site is not practically reached by road. This work should be considered a **LOW** priority at this location.

### **SUMMARY**

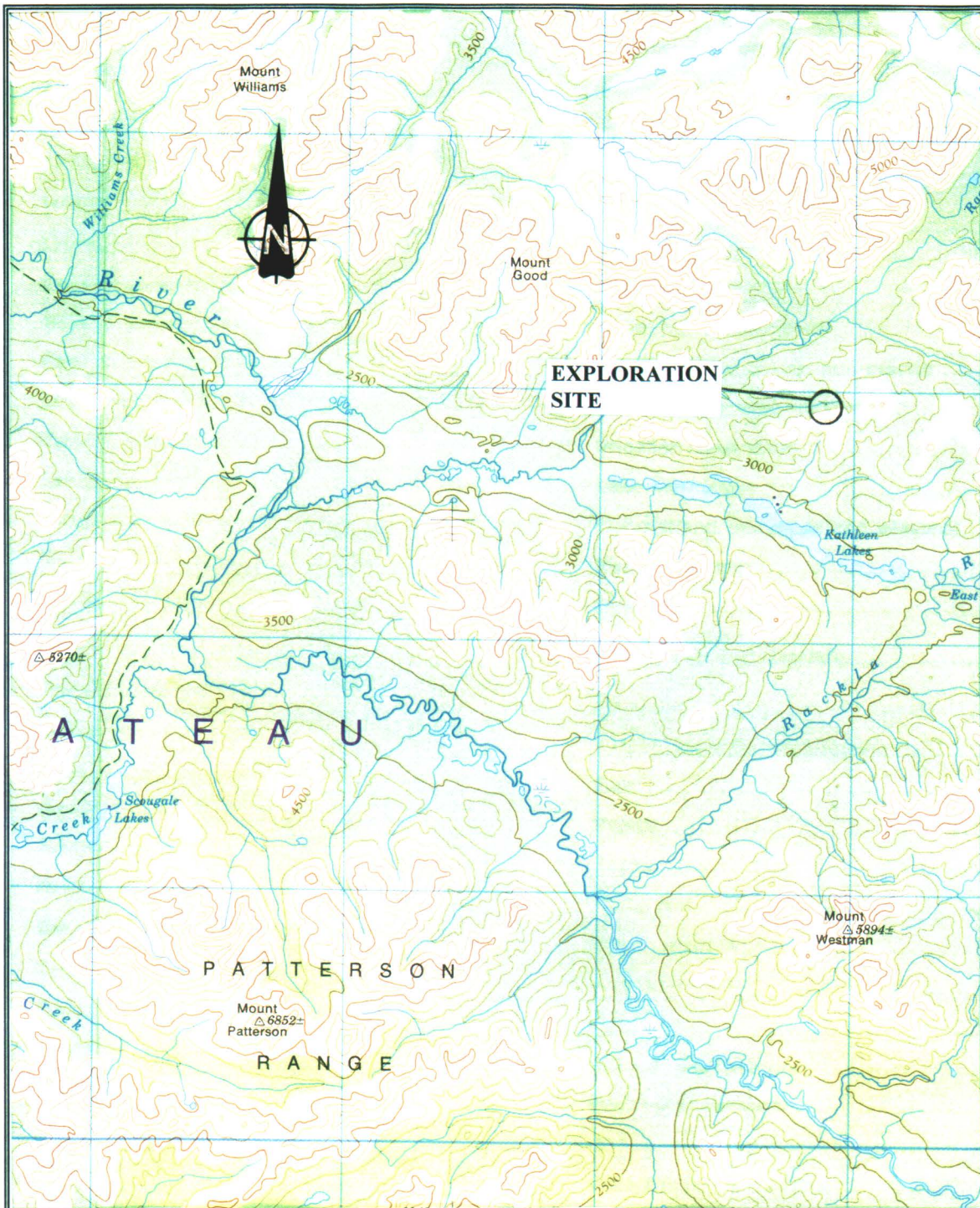
Overall, very little environmental damage appears to have occurred at this site.

Clean-up of barrels and core boxes should be considered if an ongoing waste clean-up program is undertaken in the area. However, the remaining waste is considered to have a **low** level of impact on the environment.

Revegetating roads and drill sites is considered a **VERY LOW** priority for this area.

**APPENDIX A**

**SITE LOCATION MAPS**



SITE NAME: **KATHLEEN LAKE NORTH**

SITE NUMBER: **106D-08-1**

MAP NUMBER: **106D**

MAP NAME: **NASH CREEK**

MAP SCALE: **1:250000**

SITE LOCATION:

LATITUDE: **64° 17'09"**

LONGITUDE: **134° 11'50"**



SITE NAME: **KATHLEEN LAKE NORTH**

SITE NUMBER: **106D-08-1**

AIRPHOTO NUMBER: **A20623-108** YEAR: **1968**

AIRPHOTO SCALE: **1:56000**

SITE LOCATION: LATITUDE: **64° 17'09"**

LONGITUDE: **134° 11'50"**

**APPENDIX B**

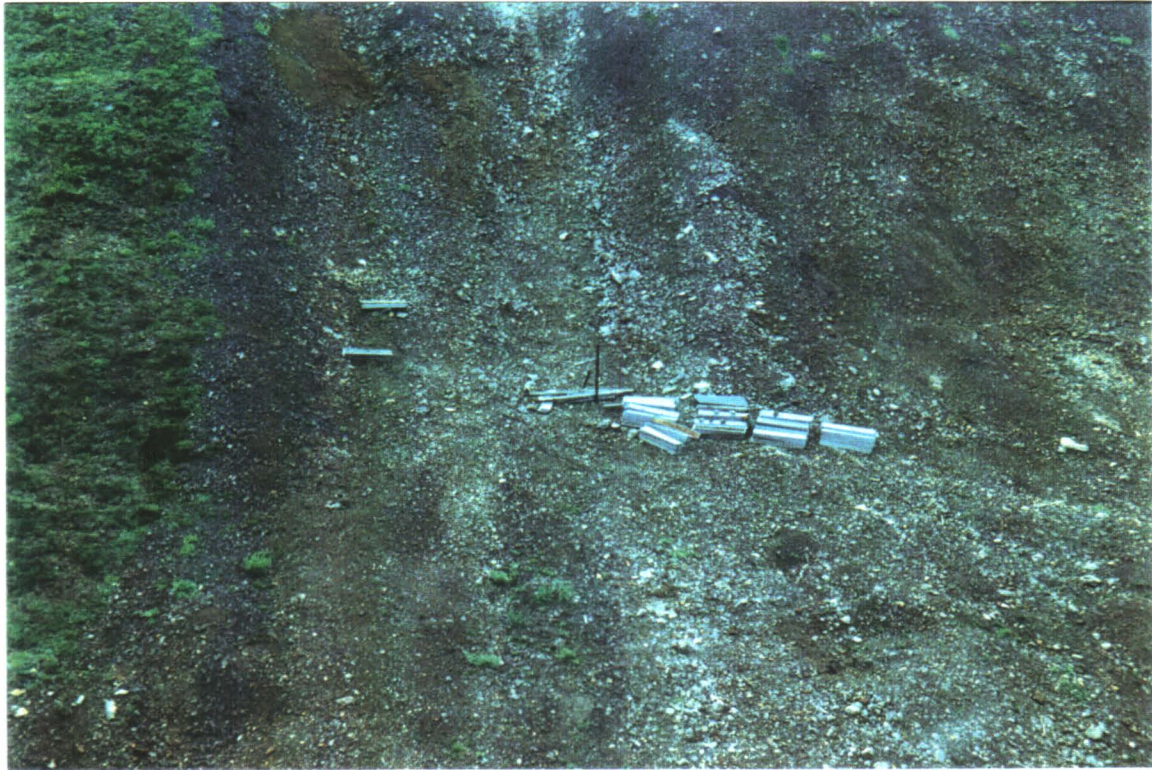
**SITE PHOTOGRAPHS**



OVERALL VIEW OF SITE SHOWING TRENCHING



TRENCHING AND EXPLORATION ROADS



CORE BOXES LEFT ON-SITE



BARRELS, CORE BOXES, AND PIPE