

ASSESSMENT REPORT

116C-08-1

CALEY

PREPARED BY

DIAND TECHNICAL SERVICES

MARCH, 1994

116C-08-1

CALEY

LOCATION

Latitude: 64° 18'08"N

Longitude: 140° 11'34"W

The site is located approximately 47km northwest of the community of Dawson, the nearest community to the site. The site is accessible by road from the Top of the World Highway then off the road to the old Clinton Creek mine site.

The site is approximately 600m above sea level approximately 7km west of the Cassiar Dome and above Cassiar Creek.

Location maps and airphotos showing the location of the site is attached as Appendix A.

WORK HISTORY

A work history has been compiled from the Department of Indian Affairs and Northern Development Yukon Minfile record 116C 033. The work history at this site follows.

December, 1930 - The first claim in this area was the Isabelle Marion claim staked by F. Purdy.

July, 1955 - Restaked by prospectors grubstaked by Fred Caley as Brownie, Skip, etc. claims.

1956 - The property was optioned to Conwest Exploration Ltd. which explored with trenching.

1958 - Conwest assigned the option to Cassiar Asbestos Corporation Ltd. which explored with more trenching and 360m of drifting in two adits.

1963-1965 - The property was optioned by Johns-Manville Co. Ltd. which explored with a ground magnetic survey, mapping, and 609.6m of diamond drilling from 12 holes; and by Sphere Development Corporation Ltd. which added Joe, Ida, etc. claims.

1966-1967 - An aeromagnetic survey of the site was flown.

March, 1970 - Sphere restaked most of the original claims as Joe and UTE claims.

1971 - Dozer trenching was completed.

1972 - The property was sold to Anglo Western Minerals Ltd. which conducted geophysical surveys and trenching in a joint venture with Branta Exploration Ltd.

1977 - Restaked as Pet claims by R. Gillespie and Jo claims by F. Caley.

1978 - R. Gillespie mined 229073 tonnes of ore by open-pit and trucked the ore 55km to Clinton Creek where it was sold to Cassiar Asbestos Corporation Ltd.

July, 1980 - R. Gillespie conducted dozer trenching on the Pet claims.

CLAIMS STATUS

Status of mineral claims including claim names and numbers, claim expiry dates, and current owners in the vicinity of the Caley site have been noted as of 1992/05/15 as follows;

<u>CLAIM NAME/NUMBERS</u>	<u>EXPIRY DATE</u>	<u>OWNER</u>
Pluto 1-54, 89-106	December 9/10, 1992	Cominco Ltd.

The major commodity identified at this site is asbestos.

Geology around the site is a flat lying serpentized ultramafic body about 460m long and 900m wide within metamorphosed sedimentary rocks. Considerable asbestos was found on surface but underground work indicated it was a small lens less than 60m thick. Three other areas with minor asbestos were found nearby but drilling indicated low grade and poor continuity.

CURRENT SITE CONDITIONS

The Caley exploration site is located in a remote location approximately 47km northwest of the community of Dawson. The site can be reached by driving to the site turning off the Top of the World Highway from Dawson onto the road to the old mining community of Clinton Creek then onto the mine road past Cassiar Dome.

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

Vegetation around the exploration site is made up of a mixture of poplar and black spruce. The area is dry with Cassiar Creek below the site.

The site is overlain by weathered till-like material except wherever stripping and mining took place where bedrock is at the surface.

229073 tonnes of ore has been removed from an open pit and hauled off-site, leaving a large open pit. Waste material has been dumped downslope of the mine but is well above Cassiar Creek. The vegetation has been removed wherever the mining and placement of the waste rock took place.

No adits were found at the site at the time of inspection on 1993/06/29.

No other infrastructure or material was found at the site.

RECOMMENDATIONS

Disturbance is confined to the mine location which covers an area approximately 100x200m in size. All vegetation has been removed from this area with the surface material consisting of either competent bedrock or broken bedrock. Reshaping or revegetating the site is not considered practical as little will grow on the stripped areas. The only way of enhancing growth at this site would be to recover adequate amounts of surficial soils, spread it over this area, and seed it. No stockpiles of surficial soils were found at this site and this material would have to be imported at great cost. With this in mind it should be understood that this site is not expected to grow a cover of vegetation for a very long time at this remote site. It is recommended that the site be left to recover naturally. Attempting to revegetate the area would not likely be very effective in this remote dry location with a very harsh climate and short growing season.

No other material was found at this location and no additional work is recommended for this site.

SUMMARY

No additional work is recommended for this site. The site has experienced only surface disturbance and some of this area will eventually revegetate naturally. Site levelling is not recommended as it will disturb an even larger area that has been disturbed to date.

APPENDIX A

SITE LOCATION MAPS



SITE NAME: CALEY

SITE NUMBER: 116C-08-1

AIRPHOTO NUMBER: A27619-31 YEAR: 1990

AIRPHOTO SCALE: 1:40000

SITE LOCATION: LATITUDE: 64° 18'08"

LONGITUDE: 140° 11'34"

APPENDIX B

SITE PHOTOGRAPHS



DISTANT VIEW OF MINE



OVERVIEW OF MINE



WASTE ROCK DUMP



MINE EXCAVATION