MAP No.	ASSESSMENT REPORT		TYPE OF WORK:
105-D-3	N. M. E. A. P.		Geol.
	CONFIDENTIAL	X	
	OPEN FILE		
		X	

REPORT FILED UNDER	Belmoral Mines Ltd.	DOCUMENT NO.	061143
DATE PERFORMED	May 6, 1974	DATE FILED:	June 4, 1974
LOCATION - LAT.	60°11'N	AREA:	Carbon Hill, Yukon
LONG.	135°15'W		
CLAIM NO.	PAP Gp		
VALUE S			
WORK DONE BY	H.J. Toohey (Agilis Engineering Ltd.)		
WORK DONE FOR	Belmoral MS L		
REMARKS	Addendum report on geology of the Becker-Cochrane antimony deposit which consists of quartz-stibnite veins in shear zones in rhyolite.		

Indexed 061143

ADDENDUM REPORT
THE BECKER-COCHRANE
ANTIMONY DEPOSIT
FOR
BELMORAL MINES LTD. (NPL).

PAP

60° 11' N
135° 15' W
105-D-3

PAP Claim Gp

N.M.E.A.P.
Received Ottawa
June 4, 1974.

AGILIS ENGINEERING LTD.
CONSULTING ENGINEERS & GEOLOGISTS
107 - 325 HOWE STREET VANCOUVER 1, B.C.

ADDENDUM REPORT

THE BECKER-COCHRANE ANTIMONY DEPOSIT
WHEATON DISTRICT
YUKON TERRITORY
FOR
BELMORAL MINES LTD. (NPL).

INTRODUCTION

The Becker - Cochrane antimony deposit, formerly the Yukon Antimony deposit is located forty air miles south of Whitehorse, Yukon and a distance of fifty-five miles by road. The geographic coordinates are N60° 11' Latitude and 135° 15' W Longitude.

The deposit lies on a northeast flowing tributary of Becker Creek on Carbon Hill at an elevation of 5,300 feet.

GENERAL DISCUSSION

The area around Carbon Hill is underlain by granitic rocks of the Coast Range batholith of Cretaceous Age. Locally quartz-stibnite veins are found in dark gray to black pyritic shear zones in a white crushed quartz rhyolite. They are accompanied by more recent andesite and rhyolite dikes.

The mineralized veins generally have a west to northwest strike with steep to vertical dips to the northeast. In places the veins are displaced to the southwest by shears. Considerable slickensiding and zones of gouge indicate the veins have filled openings along fault planes. They contain quartz, barite, calcite, stibnite, jamesonite, tetrahedrite, sphalerite, arsenopyrite and near the surface, antimony ochre. In places the vein-filling is chiefly stibnite and in others mainly quartz with minor barite and calcite. High silver values

have been reported however this is not believed to be consistent.

During 1965 and 1966 Yukon Antimony Corp. Ltd. completed exploration drifting and cross-cutting from three adits, surface and underground geologic mapping, trenching and preliminary bulk sampling and metallurgical testing. The results of the metallurgical testing by flotation indicated a recovery of 92.8% in a concentrate containing 60.7% Sb, 23.2% S, 0.015% Cu, 0.002% Ni, 0.12% As, 0.21% Pb and 0.28% Zn.

RECOMMENDATIONS

1. Complete property examination
2. Stake an additional 100 claims with an allowance for claims to cover a potential mill site.
3. Rehabilitate the mine road.
4. Clean out and re-sample old trenches and doze out or blast new trenches.

COST ESTIMATE

Personnel - geologist and 4 man crew

1.	Property examination and report	2,000.00
2.	Staking additional claims, 100@ 20.00	2,000.00
3.	Road rehabilitation-dozer 33 hr @ 60.00	2,000.00
4.	Trenching, 20 hr. @ 60.00	1,200.00
5.	Mobilization of dozer	1,000.00
6.	Geologic mapping and sampling	2,000.00
7.	Contingency 20%	1,500.00
		$11,700.00

Respectfully submitted,

Herbert J. Toohey

May 6, 1974.
Vancouver, B.C.

Herbert J. Toohey
Mining Geologist.