



Department of Energy, Mines and Resources
Ministère de l'Énergie, des Mines et des Ressources

Mines Branch
Direction des mines

File Number
N° à rappeler

673176

MINERAL PROCESSING DIVISION

40 Lydia St.
Ottawa 1, Ont.
Nov. 24, 1969.

Mr. J.J. Crowhurst,
Bacon and Crowhurst,
Consulting Engineers,
102-1111 West Gorgia Street,
Vancouver 5, B.C.

Dear Mr. Crowhurst:

Re: Anchor-Takla

Further to our telephone conversation of November 14, 1969, these are the results of two typical tests carried out on the Anchor-Takla ore:

Depressants Used lb/ton of ore	Product	Analysis				Recovery			
		oz/ton Ag	%			%			
			Pb	Sb	Zn	Ag	Pb	Sb	Zn
NaCN: 0.50, ZnSO ₄ : 0.20 CaO: 2.0	Pb-Sb conc Zn conc	188.1 26.2	24.6 0.3	19.8 0.7	1.4 22.8	68.3 18.5	83.3 -	82.4 -	- 84.0
NaCN: 1.0, ZnSO ₄ : 0.40 CaO: 4.0	Pb-Sb conc Zn conc	199.4 44.1	25.0 0.4	19.4 0.7	1.6 33.3	72.9 13.1	84.9 -	89.1 -	- 82.3

Attempts are currently made to float the zinc concentrate in a saturated lime solution in order to obtain a marketable concentrate, i.e. about 50% Zn. When the results of these tests will be available, another progress report will be sent to you.

Yours truly,

G.I. Mathieu
G.I. Mathieu,

Non-Ferrous Minerals Section

GIM/mn
cc D.E. Pickett
R.W. Bruce