

Property File

093D 027



PARLIAMENT BUILDINGS, VICTORIA, BRITISH COLUMBIA V8V 1X4

~~Bentinck~~ Bentinck Arm 014230
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WHEN REPLYING PLEASE REFER TO

FILE NO

May 7th, 1976

93D / 2W

Bentinck Arm

Mineral Services Laboratories,
Canada Centre for Mineral and
Energy Technology,
555 Booth Street,
Ottawa, Ontario
K1A 0G1

Dear Sirs,

I am sending to you under separate cover a sample of graphite which was brought in by a prospector. This is claimed to be of large size, located near tidewater, and about 15 miles south of Bella Coola on Bentinck Arm (52° 05' - 126° 45'). It would be appreciated if your laboratory could examine the sample and make some sort of appraisal and evaluation of the material. The prospector is very anxious to know whether or not it is good enough to spend time exploring it or whether he should just forget it.

Please send results of the evaluation and advice to:

Mr. F. W. Baker,
2163 Dalton Road,
Campbell River, B. C.

I would appreciate a copy of the letter sent to Mr. Baker as well.

A sample of the same material was sent to you on September 29th, 1975, but we never received any reply.

Sincerely,

J. W. McCammon, P. Eng.,
Geologist, Geological Division,
Mineral Resources Branch

JWMcC/crd

MINERAL SCIENCES LABORATORIES

May 18, 1976

Your file Votre référence

Our file Notre référence

Mr. F. W. Baker,
2163 Dalton Road,
Campbell River, B. C.

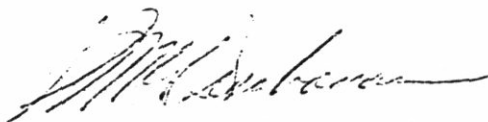
Bentinck Arm

93D/2w

Several months ago specimens of your graphite-bearing rock were submitted to us by Mr. J. W. McCammon of the British Columbia Department of Mines and Petroleum Resources. We regret that we have not been free to deal with them sooner.

Examination of the material suggests to us that there is little possibility of economically producing graphite from it. The graphite flakes are small, thin and widely dispersed in a quartzose gneiss. Comminution of this kind of rock to the degree required for liberation of the graphite would undoubtedly cause further, severe degradation in the size and quality of the flakes. Although there is not much mica in the fragments examined, any significant amount of mica in other sections of the deposit would cause additional difficulty in graphite recovery. These factors, coupled with the relatively low graphite content force us to conclude that any program to try to beneficiate the material is not justified.

Our assessment is based on many years experience in beneficiation tests on a variety of graphite-bearing materials and some knowledge of problems of marketing graphite to a wide variety of specialized users.



R. M. Buchanan, Head,
Ore Mineralogy Section

RMB/kj

C. J. W. McCammon

R. L. Cunningham

DEPT. OF MINES
AND PETROLEUM RESOURCES

1897 Rec'd MAR 2 1976

JNMC