



ASE

000185

File: Silence Lake Tungsten
Project

April 21, 1981

LOG NO: 4.27	T 12
ACTION: G. McT. with info	
FILE NO:	

Mr. Brian Mountford, P. Eng.,
Brian Mountford and Associates Ltd.,
811-675 West Hastings Street,
Vancouver, British Columbia
V6B 1N2

Dear Sir:

Re: Silence Lake Tungsten Project (Dimac Resources Corp.)

The purpose of this letter is to inform you that the Silence Lake Tungsten Project has been designated "small" by the Metal Mines Steering Committee, pursuant to the Procedures for Obtaining Approval of Metal Mine Development, and may now enter the permitting phase. All interested provincial and federal agencies are being advised of this decision by carbon copy of this letter (and for their benefit, I am appending a copy of the Introduction section from the Dimac Stage I report).

To assist Dimac to enter the permitting phase, the M.M.S.C. has asked the Minesite Advisory Committee to consider the Stage I report and to provide a review. The attached 1981-04-06 brief from Mr. T. Carter, M.A.C. Chairman, summarizes the advice of various government agencies on this committee, and also identifies the permits, licences and approvals (in addition to mining approvals) which the project will require. You are asked to contact Mr. R.T. Martin of this Division to discuss data requirements to satisfy provincial slope stability concerns (point 2.2 of the M.A.C. brief).

Also attached are the individual comments of various review agencies:

- J.P. Clark, Waste Management Branch, memo to L. Regan, 81-02-20.
- Y. Fellman, Water Management Branch, memo to L. Regan, 81-02-20.

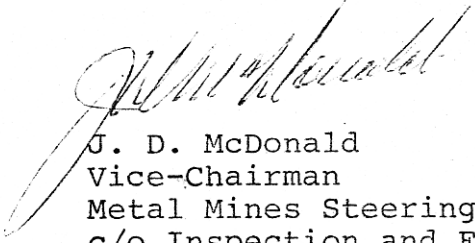
PROPERTY FILE

...../2
827 123, 136, 229

- P. J. Holman, Fish and Wildlife Branch, letter to L. Regan, 81-03-03.
- G. C. Harkness, Ministry of Municipal Affairs, memo to A. Richardson, 81-03-17.
- W. Hubbard, Land Programs Branch, memo to J. Errington, 81-03-17.

In conclusion, please contact Mr. A. Richardson or myself if you require any clarification of the above.

Yours truly,



J. D. McDonald
Vice-Chairman
Metal Mines Steering Committee
c/o Inspection and Engineering Division
Mineral Resources Branch

JDM:RLC:vv

attachments: as indicated in letter

ccs: see attached address lists.

Mr. T. Carter, Chairman
Mine Site Advisory Committee
Min. of Energy, Mines and
Petroleum Resources
BUILDINGS

Mr. J. Errington, Secretary
Advisory Committee on Reclam.
Inspection and Engineering Div.
BUILDINGS

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Chairman
S.E.C.C.
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Farmland Resources Branch
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Mr. P. Wilson,
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SILENCE LAKE TUNGSTEN PROJECT

1981-04-13

INTRODUCTION

The Silence Lake Property is comprised of the Gotcha, Gotcha 2, 3, 4, 5 and 6 mineral claims and is located within the Kamloops Mining Division, 32km northeast of Clearwater, British Columbia. All the claims bound the west flank of Maxwell Creek some 4km above its confluence with the Raft River. Drawing number 2 shows the location of the claims.

By agreement dated November 25th 1979, Dimac acquired the property from United Mineral Services Ltd. A claim perimeter survey has been completed by a B.C. Land Surveyor. This survey has been approved by the B.C. Surveyor General (see Drawing No. 10). The total area of the 19 mineral claim units is 346.8ha.

All six claims are in good standing under the B.C. Mineral Act as indicated below.

Claim Name	Units	Record No.	Record Date	Expiry Date
Gotcha	1	881	June 24, 1977	June 24, 1985
Gotcha 2	6	2834	July 24, 1980	June 24, 1989
Gotcha 3	9	1927	June 29, 1979	June 29, 1985
Gotcha 4	1	2835	July 24, 1980	July 24, 1981
Gotcha 5	1	2836	July 24, 1980	July 24, 1981
Gotcha 6	1	2837	July 24, 1980	July 24, 1981

Access to the property is relatively easy. A main arterial logging road directly connects the property and Clearwater, B.C. This logging road joins the Yellowhead Highway approximately 6.5km east of Clearwater. The logging road follows the Raft River for some 40km to the property.

During 1972, Union Carbide Exploration Corp. staked the present claim area to cover what appeared to be the source of float containing scheelite. In the same year, they completed a programme of geological mapping and 8 diamond drill holes totalling 540m of drilling. Two holes intersected

scheelite mineralization. A further 3 holes were drilled in 1973 for a total of 438m. These were exploratory in nature and all were unsuccessful. Union Carbide eventually dropped the claims, and the area was re-staked by United Mineral Services Ltd.

In 1977 United Mineral carried out a trenching programme and established the presence of tungsten mineralization in at least two distinct skarn bands. These were termed Upper and Lower Bands. Samples taken from the outcrop of these bands exceeded 3% WO_3 .

At the start of 1978, N.C.A. Minerals Corporation under an option agreement with United Mineral, drilled 18 percussive holes centralised around the "Upper Band". Assay results confirmed the previous high grade assays. N.C.A. failed to comply with the terms of the option agreement and as a result the property subsequently returned to United Mineral.

During the summer of 1978 United Mineral removed some 1,500-2,000 tons of ore for testing having a possible grade of 2% WO_3 . This ore is stockpiled at Clearwater. Also during 1978, metallurgical investigations were carried out by Bacon, Donaldson and Associates Ltd. and 200 tons of ore were processed through a flotation mill located at Lumby, B.C. These tests indicated that the scheelite is liberated at a relatively coarse grind and is amenable to both gravity and flotation processes.

In the latter part of 1979 and early 1980, Dimac Resource Corp. drilled 20 diamond drill holes totalling 500m. Nineteen of the holes intersected scheelite mineralization. This work was followed by a preliminary techno-economic evaluation, which indicated the project had viable possibilities. Consequently during the latter part of 1980, a start was made to expose the ore zones and obtain feasibility assessment data.

This work can be summarised as follows:

- Legal survey of claim perimeter completed in the field and approved by the Surveyor General.
- Access roads to proposed open pit area built and up graded.
- Ore stockpile area, selected, cleared and graded.
- Pit area benched and access ramps excavated.
- Loose ore removed and stockpiled.
- Area surveyed and sites selected for mine components - water, tailing, waste disposal, mill site etc.

It is proposed to operate a 100 tonne per day, gravity - flotation concentrator to produce some 6 tons of scheelite concentrate per day. The concentrator will be a conventional tungsten process and will operate during the fair weather periods ie. approximately 8 months per year.

The mine also will be a conventional surface operation. Actually, due to the steep sided topography and the surface deposition of the orebody, it will be more like a quarry than an open pit. Mining of the required 13,000 tonnes of ore and an average of 25,000 tonnes of waste per year will be carried out by local Contractors under Company supervision. It is expected that the mining operation will be completed in approximately 4 - 6 weeks and a years supply of ore stockpiled adjacent to the mill.

Power supply to the project will be provided by on-site diesel generators; road access is already available via

logging road No. 9. Other important features are:-

- Water supply from "minor" run-off draws rather than the major creeks or rivers
- Closed circuit tailing disposal in a convenient relatively impermeable and reasonably safe location
- Minor disturbance for waste disposal
- No acidic or deleterious effluents and very little disturbance to existing water regimes.

At the present time, the necessary equipment has been selected following design and metallurgical studies. The acquisition of these items is underway, with quoted delivery dates acceptable to the selected construction schedule. It is planned to complete overall design work by the end of February 1981; commence procurement at the beginning of February 1981, start site clearing April 1st 1981 and have the Concentrator and all other related facilities operational mid September 1981.

The following report discusses all aspects of the project as required by the publication "Procedures For Obtaining Approval of Metal Mine Development" published by the Province of British Columbia in April 1979. It is anticipated that Procedure B as described in the publication is applicable for the Silence Lake Project.

SCALE 1:5 000

1000 500 0 1000 2000 3000 4000 Metres

MAX 7
955 (7)

MAX 8
1956 (7)

MAX (5)
1779 (3)

MAX

1778 (3)

MAX (6)

1780 (3)

MAX

MAX (3)
1777 (3)

1593 (11)

MOSQUITO

4
1731 (3)

MOSQUITO

139 (10)

MAXWELL
MAX (2)
1776 (3)

MOSQUITO
5

1732 (3)

MOSQUITO

MOSQUITO
68 (7)

3
1717 (2)

BUG
69 (7)

BUG
2

1718 (2)

GOTCHA 2

2834 (6)

GOTCHA 4

1146 (2) 1927 (6)

2229 (7)

GOTCHA 6

2337 (7)

2334 (7)

GOTCHA 5

RAFT RIVER

RICHIE CREEK

THIS DRAWING IS A PART COPY OF THE OFFICIAL MINERAL TITLES MAP 82 M / 13 EAST HALF ISSUED BY THE PROVINCE OF BRITISH COLUMBIA.

DIMAC RESOURCE CORP.
VANCOUVER, B.C.
SILENCE LAKE PROJECT

MINERAL CLAIMS

BRIAN MOUNTFORD & ASSOCIATES LTD.
VANCOUVER, B.C.

DATE: OCT, 1980

DWG NUMBER 2

WEST R

SILENCE LAKE