

BEND CLAIMS (007-1310-2122) /
930/03E

016444

Property File

930 039

GEOLOGICAL REPORT
AND
PROPOSED DIAMOND DRILLING PROGRAM

BEND MINERAL CLAIMS
CARIBOU MINING DIVISION
BRITISH COLUMBIA
NTS 93-0-3E

LATITUDE: 55° 09' NORTH; LONGITUDE: 123° 13' WEST

MINISTRY of ENERGY, MINES
and PETROLEUM RESOURCES
Rec'd OCT 27 1986
Subjec.
File
PRINCE GEORGE, B.C.

PREPARED FOR
AGRO LIME PRODUCTS - A DIVISION OF BRITAL INDUSTRIES LTD.
CALGARY, ALBERTA

BY
W. A. MACLEOD; P. GEOL.
KAMAND RESOURCE SERVICES LIMITED

OCTOBER, 1986.

INTRODUCTION

Recent chip sample assays from limestone outcrops within an abandoned quarry, west of Williston Lake, averaged 55.05% Ca O.

The quarry location has been staked by the author and a limited diamond drilling program designed to further evaluate potential industrial chemical grade limestone reserves with a view toward returning the quarry to active operation.

This report describes the proposed program and is written in support of our application for Crown Land and all other required provincial permits and approvals.

LOCATION AND ACCESS

The Crown Land under application is located some 1600 meters west of Williston Lake, British Columbia in N.T.S. map area 93-0-3E. Access to the area is gained by all weather forestry haul road from Provincial Highway #97 (Figure 1).

PROPERTY

The current application covers an area of 125.4 hectares exactly corresponding to the "Bend" Mineral Claims.

The "Bend" Claims comprise a contiguous block of six "Two-Post" mineral claims recorded on October 10, 1986 in the author's name under Free Miners Certificate No. 254993. Subject to the author's contract with Brital Industries Ltd. of Calgary, 100% interest in the claims will be assigned under the Provisions of the Mineral Act to Agro Lime Products - A Division of Brital Industries Ltd.

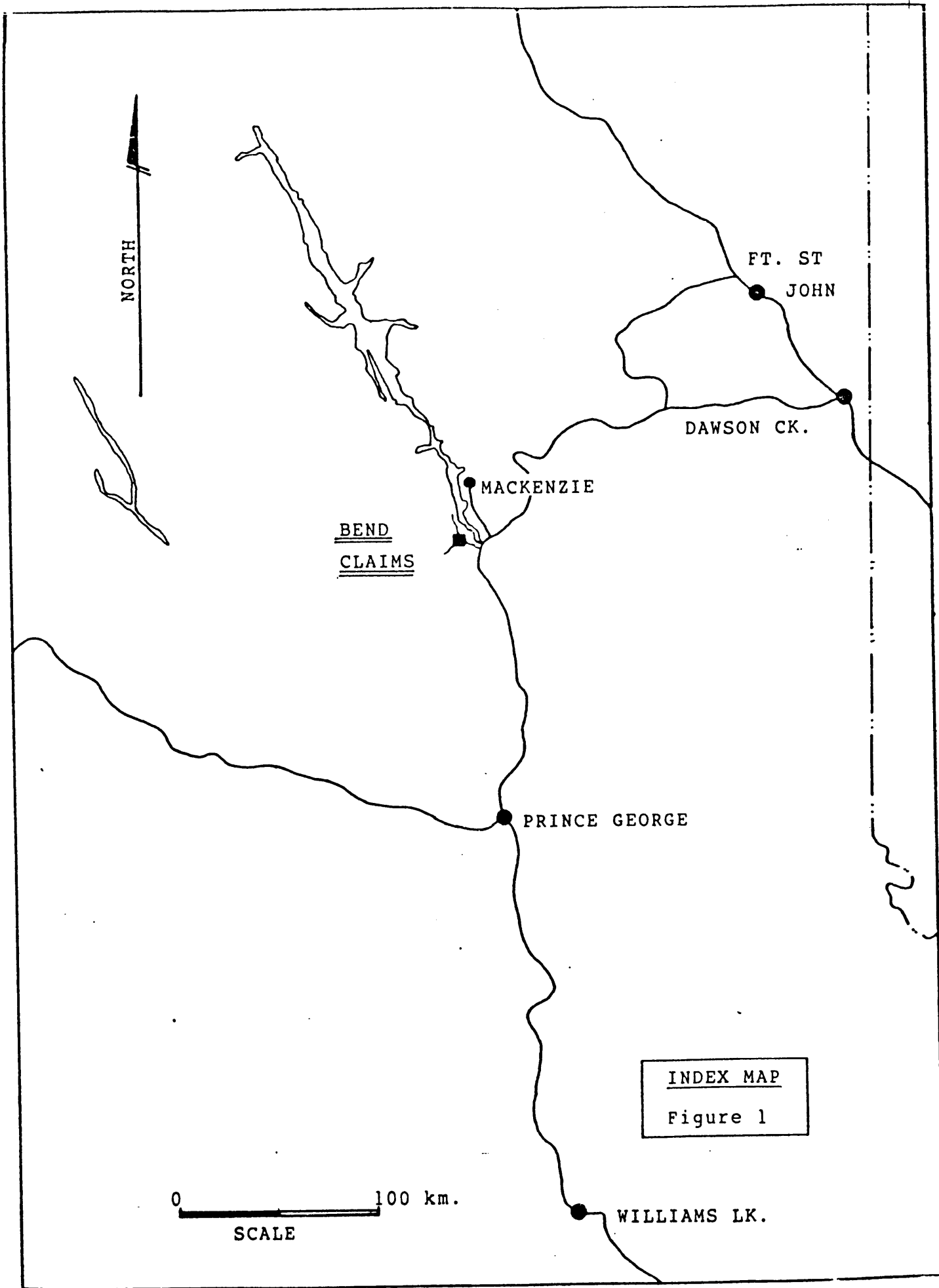
Persuant to Section 22 of the Mineral Act, the claims are to be maintained in good standing by application of acceptable assessment work or equivalent cash in lieu to the value of \$100.00 per claim per year for each of the first three years and \$200.00 per claim per year each thereafter.

EXPLORATION HISTORY

The present main area of interest is centered upon an abandoned quarry site. The quarry, operated by British Columbia Forest Products Limited, is shown as Provincial Forest Service Permit 942-7829-00 on previously published claim maps.

Quarried limestone was apparently used to construct a causeway across the southern end of Williston Lake. Causeway construction was ceased prior to completion and the quarry operation abandoned.

The quarry outcrops were chip sampled for Brital Industries Ltd. by the author earlier this year and the "Bend" Claims staked.



NORTH

FT. ST
JOHN

DAWSON CK.

MACKENZIE

BEND
CLAIMS

PRINCE GEORGE

INDEX MAP

Figure 1

0 100 km.

SCALE

WILLIAMS LK.

GEOLOGY

The subject claims are underlain by faulted and folded paleozoic limestone of uncertain affinity. Clearly, the carbonates lie at or near the McLeod Lake Fault System which bounds the Paleozoic Rocky Mountain sedimentary terrain to the east and the Omenica crystalline and volcano-sedimentary assemblage to the west.

Subject to regional mapping by the author and interpretation of published aeromagnetic data, I suggest that the McLeod Lake Fault has itself been laterally displaced (of which the Lignite Creek Fault would be typical) and that the subject carbonates therefore properly reside within the Rocky Mountain assemblage - not the Mississippian Slide Mountain Group as has been regionally postulated (Figure 2).

The stripped quarried outcrops on the property consist of "clean" buff limestone with interlayered "dirty" argillaceous carbonate. Two probable fault sets, subparallel to the McLeod Lake and Lignite Creek Faults, truncate the limestone and may largely dictate outcrop distribution.

Chip samples of the limestone were collected from the stripped outcrops within the abandoned quarry (Figure 3). Assays range from 53.21% to 55.57% Ca O with an average of 55.03% Ca O.

PROPOSED PROGRAM

A limited scale diamond drilling program designed to verify and expand upon the surface sampling program is proposed. The drilling is to be supervised by the author.

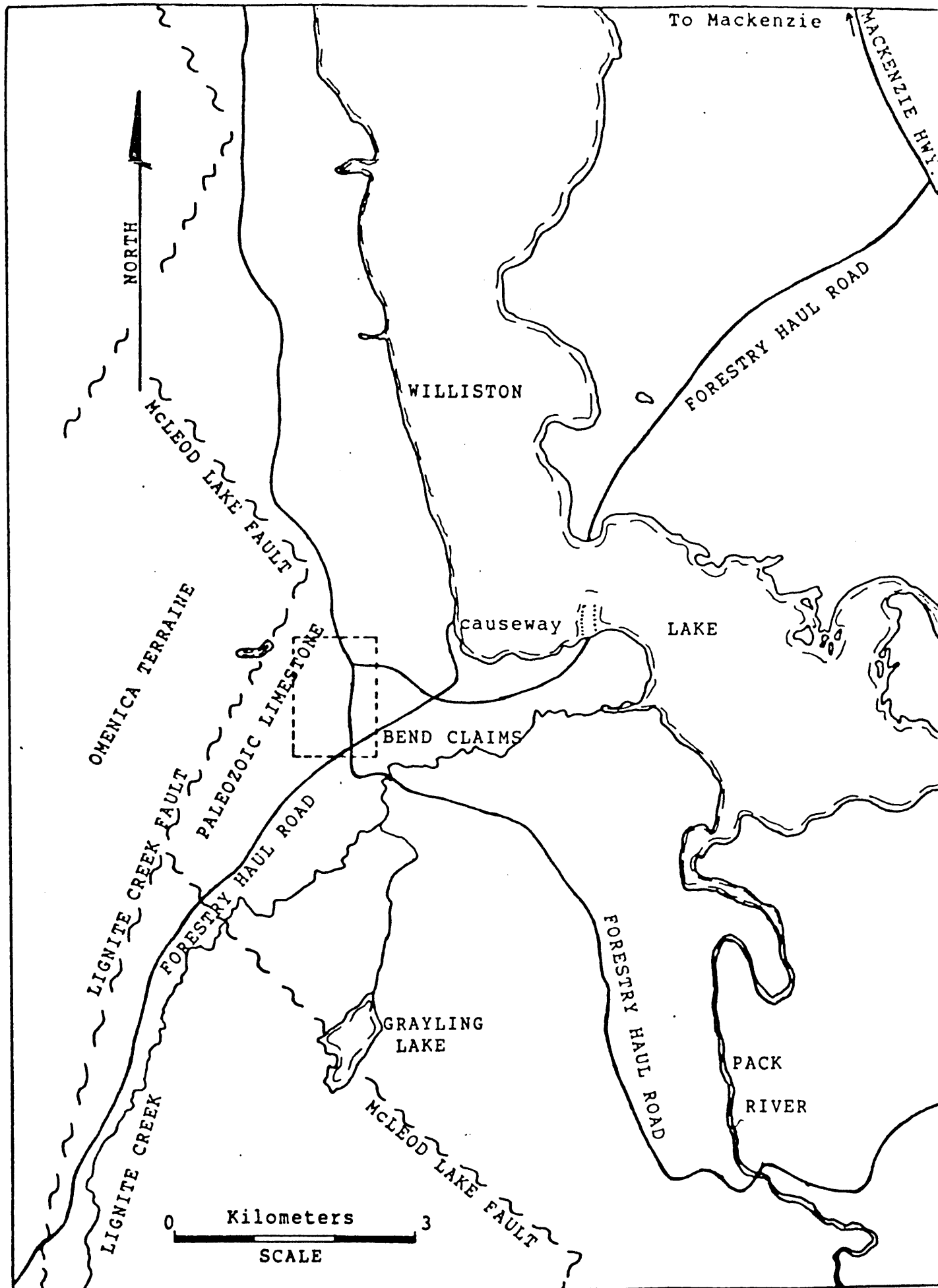
Approximatley 200 meters of B.Q. size coring from 10 to 12 surface locations is planned (Figure 4). The work will be contracted on a "turn key" basis to a British Columbia based drilling contractor and will require some five days to complete. We hope to carry out the program as soon as possible to avoid adverse weather and severe freezing temperatures.

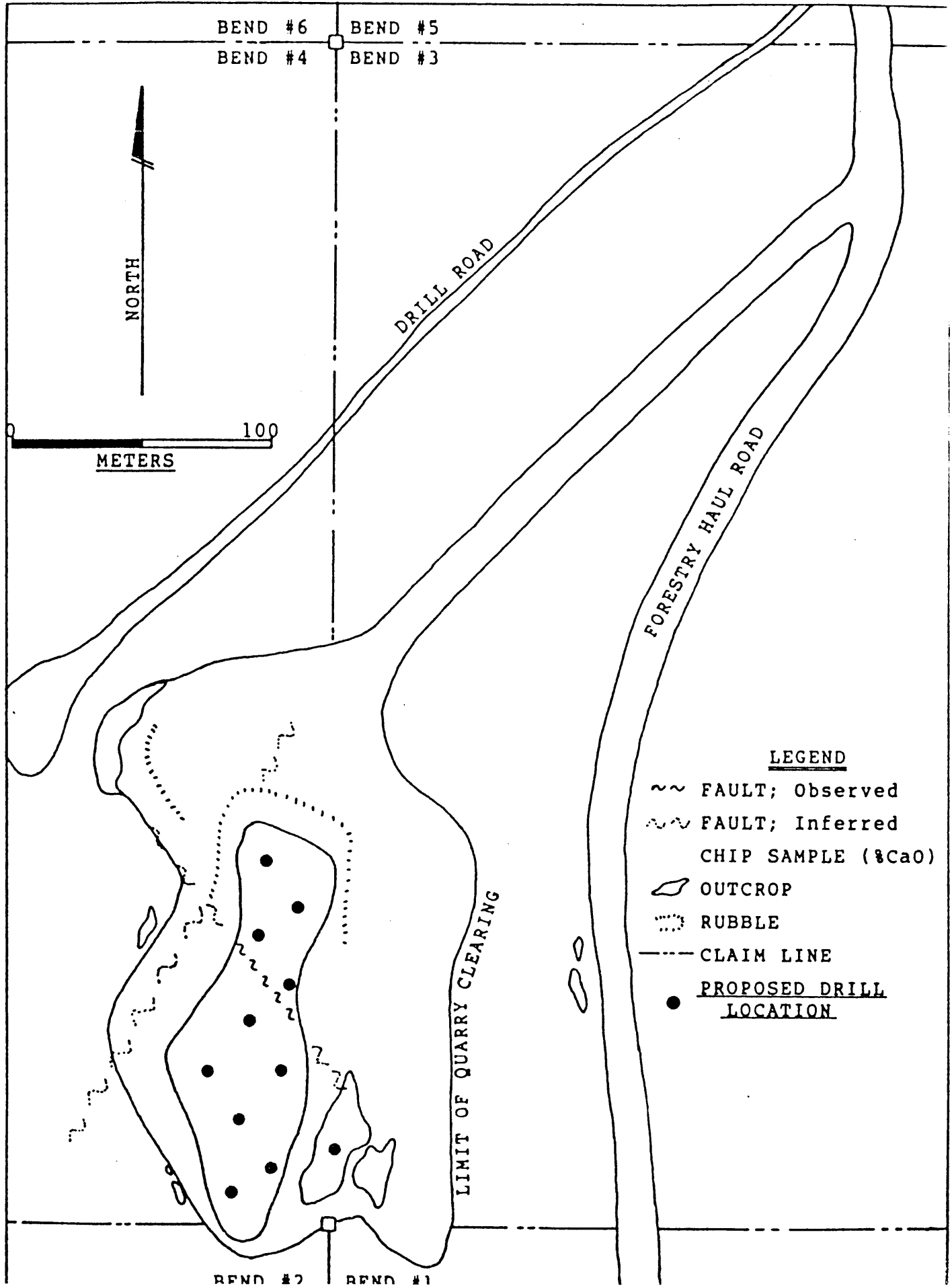
Due to the limited size of the program and site preparation completed by the original quarry operator, additional disturbance is not anticipated.

We propose to haul the required drilling water to location from Lignite Creek and plan to drill with clear water only. Return water and flushed cuttings are to be buried on location.

One skid-mounted J.K.S. 300 diamond drill will be utilized to carry out the program. Inter-hole moves will be accomplished by skidding the drill to the set-ups with a small tractor (Case 310 or equivalent).

Project personnel will commute to location daily from local hotels.





CONCLUSIONS

Sample assays from outcrops within a previously operated rock quarry, west of Williston Lake indicate potential reserves of limestone suitable for use in paper production at the mill in Mackenzie, B.C. Six contiguous mineral claims were staked by the author to cover the quarry site.

Some 200 meters of B.Q. size diamond drilling is proposed to further evaluate the limestone. A total of 10 to 12 surface locations have been planned in a manner to alleviate any additional disturbance.

The proposed program is designed to test and delineate recoverable reserves of industrial chemical grade limestone with a view toward returning the abandoned quarry to commercial operation.