

MAR 20120004: MARBLE MOUNTAIN

Marble Mountain - A report on limestone in the Nordegg Area

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PART B

ASSESSMENT REPORT
MARBLE MOUNTAIN LIMESTONE PROSPECT
FOR BIG HORN LIMESTONE INC.

Metallic and Industrial Mineral
Permit No. 9307120381

Submitted by
Mineral Assessment Appointee

O.K (Ken) Bakewell
Edmonton, AB

Consultant
W.M. Hamilton

December 30, 2011

PART B

Marble Mountain Limestone Prospect
Metallic and Industrial Mineral
Permit No. 9307120381
For Big Horn Limestone Inc.

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SUMMARY GEOLOGY

Dates - July 18 to July 22, 2011


Marble Mountain is on the same geological trend and in the same formation as existing quarries at Corkscrew Mountain, where Limestone of cement manufacturing grade extracted. These properties lie in good quarriable locations, adjacent or close to existing all-weather roadways.

The permit property is accessible by a gravel road that crosses the Southern end of the property. It serves as an oilfield and timber supply road and connects to the forestry trunk road 3 km to the East. Shell Canada limited has given Big Horn Limestone Inc. approval to use the road with specific conditions.

The prospect is located approximately 65 km North of Sundre, Alberta.. Geologically, the Limestone Prospect occurs in the lower part of Pekisko Formation of the Mississippian Age. This unit is exposed on the Southern Spur of Marble Mountain where it descends into Teepee-Pole creek Valley.

The southwest slope of the spur is formed by West Dipping Pekisko Formation strata with Limestone beds inclined at 20 to 35 degrees Southwest. This presents a minimum of overburden to be removed

The limestone unit consists largely of medium to thick-bedded, biofragmental Limestone of fairly uniform composition. Rare beds of impure Dolomitic limestone can occur in the succession and must be planned for in Quarry Operations. Thickness of the unit is undetermined at Corkscrew Mountain a quarriable thickness of 45 M has been determined for high calcium Limestone in the Pekisko Formation.



W.N Hamilton, P. Eng
Geological Consultant

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Marble Mountain Limestone Prospect
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INTRODUCTION

Dates - June 14, 15 2011 / July 12, 13 2011

The marble Mountain prospect is located on the South-western spur of Marble Mountain, 1 ½ K from the Forestry Road, South of Highway 591.

Mineral Rights are held under a Metallic and Industrial Minerals Lease and permit owned by Big Horn Limestone Inc.

Preliminary prospecting of outcrops on the property have been completed. The next step is test drilling which will include assays in 2012.



O.K (Ken) Bakewell
Prospector

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MINERAL ASSESSMENT

EXPENDITURE BREAKDOWN BY TYPE OF WORK

Estimated Expenditure (submitted with Statement of Intent to File)

Actual Expenditure (for Part B of Report; Must match total filed in Part A)

Project Name: Marble Mountain Assessment Report for Big Horn limestone

	Amount
1. Prospector May 2 to 16 & Sept. 6 to 9 2011	<u>\$5,700.00</u>
2. Geological Mapping & Petrography (June 2011)	<u>\$2,000.00</u>
3. Geophysical Surveys	<u>\$</u>
a. Airborne	
b. Ground	
4. Geochemical Surveys	<u>\$</u>
5. Trenching and Stripping	<u>\$</u>
6. Drilling	<u>\$</u>
7. Assaying & whole rock analysis	<u>\$</u>
8. Other Work: Field Expenses	<u>\$6,950.00</u>
	SUBTOTAL
	<u>\$14,650.00</u>
9. Administration (up to 10% of subtotal)	<u>\$1,465.00</u>
	TOTAL
	<u>\$16,115.00</u>

Owen Kenneth Bakewell
SUBMITTED BY (Print Name)

Signature

December 30, 2011
DATE

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Marble Mountain Limestone Prospect
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REGIONAL GEOLOGY

The deposit occurs in the Pekisko Formation, a rock unit consisting primarily of Biofragmental limestone with minor interbeds of Dolomite. The formation has a mapped thickness of 60-67 M in the area and is the source rock for several Limestone quarries in South Central Alberta. Its regional outcrop distribution is shown in Figure 1 (Blue coloring).

Marble Mountain deposit equates geologically to a deposit on Corkscrew (Limestone) Mountain, where it has had quarry development for Limestone production. The two deposits lie 10 KM apart, both in the same formation and on the same structural trend, connected by a continuous outcrop. At Corkscrew (Limestone) Mountain, a thickness of 45 M has been determined for a high calcium Limestone in the Pekisko Formation, i.e.; Limestone that grades

(J.F. Allan, Associated Mining Consultants Ltd. 1995)



W.N Hamilton, P.Eng.
Geological Consultant

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December 30, 2011

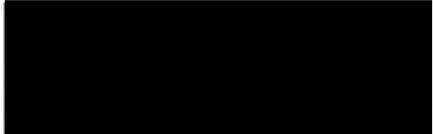
EXPLORATION PROGRAM

May 2012 – 6 days

The program is to ascertain whether significant mineable tonnage of high quality limestone is present on the permit land and to provide a preliminary measure of these resources.

The Exploration Program process as follows:

- 1) Detailed office and field examination to access existing geological information.
- 2) Established the geological model of the area using available topography and geological survey maps.
- 3) Conducted site visits to examine the property and verify local geological mapping.
- 4) Conclude geological interpretation and calculate preliminary resource estimates.
- 5) Precise details of the report will determine the strategic location for follow up test drilling. Figure 3. The drill holes will penetrate the total thickness of the Pekisko limestone of about 60 M. Each hole will be drilled to a depth of about 80 M. Total core drilling to be 240 – 270 M cored through the Pekisko Formation.
- 6) Access to the selected drill sites will be by bulldozer if required.


W.N Hamilton, P. Eng
Geological Consultant

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Exhibit II
April 11, 2011

Big Horn Limestone

Budget for 7 to 10 day program for test sample drilling
at the Marble Mountain prospect

Legal Description: Sec. 3, Twp. 34, Rge. 9, W.5, Mer.

ACTIVITY	COST
Drilling 4 Holes (1 1/4")	\$ 40,000
Geological	\$ 10,000
Surface Survey	\$ 2,000
Road Use Agreement	\$ 800
Assays 150 Samples	\$ 3,000
Report (Est.)	\$ 10,000
Land Use Permit	\$ 2,000
Sub Total	\$ 67,800
Contingency 20%	\$ 13,560
Total	<u>\$ 81,360</u>

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CONCLUSION


August 19, 2011

At present, the Limestone prospects on Marble Mountain have no proven reserves as defined by test drilling.

Strategically located test drilling as identified in Figure 3 should allow an assessment of the prospective quarry and subsurface mining feasibility.

A quarriable and mineable tonnage could potentially exist in the leases and permitted property.

Indication of suitable Limestone grade for road construction and Lime should be obtained on the site.



W.N Hamilton, P.Eng
Geological Consultant

PART B

February, 2011

STATEMENT OF QUALIFICATION

Wylie Hamilton, P. Eng.
233 Oeming Road
Edmonton, AB
T6R 1M3

Mr. Hamilton is a practising Economic Minerals Geologist. Educated at the University of Saskatchewan with degrees in Geological Engineering (BE) and Geology (MSC) he has more than 40 years of working experience, the greater part as an Industrial Minerals Specialist with the Alberta Geological Society (AGS).

Mr. Hamilton's work has focused primarily on resource mapping and evaluation of Alberta minerals, on which he has more than 30 publications including major works on limestone, gypsum, iron stone, silica and shale. Mr. Hamilton retired in 1995 but continues to pursue interests in his field as a private consultant.

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STATEMENT OF QUALIFICATION

Mr. Michael B. Dufresne, M.Sc., P.Geol.
Suite 200, 9797 – 45th Avenue
Edmonton, AB
T6E 5V8

Mr. Dufresne obtained his B.Sc. from the University of North Carolina and his M.Sc. from the University of Alberta, Canada. Mr. Dufresne is a professional geologist with the Association of Professional Engineers, Geologists and Geophysicist of Alberta (Since 1989). He is also a member of the Canadian Institute of Mining and Metallurgy, Geological Association of Canada and Association of Exploration Geochemists.

Mr. Mike Dufresne has over 25 years of professional experience in all aspects of project generation, geological interpretation and project management ranging from grass roots exploration projects up to feasibility staged projects as a Consultant. He has extensive experience with a wide range of commodities and types of deposits as well as involvement in a number of scientific government studies. Commodities explored for include Au, Ag, PGE's, diamonds, most base metals, U, coal and oil sands. Mr. Dufresne has conducted property audits across North American and Australia and authored numerous independent Technical Reports. His past client list has included senior and junior mining companies and a number of government geological surveys.

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References

Allan, J.F. (1995): A preliminary field examination of a limestone deposit owned by Limeco Products Ltd. Near Rocky mountain House, Alberta; unpublished report submitted to Mountain Minerals Ltd. By Associated Mining Consultants Ltd., 11 pages, 2 appendixes, 8 figures.

Ollerenshaw, N.C. (1969): Geology, Marble Mountain 820/14E; Geological Survey of Canada Map 7-1969, Scale 1:50,000

_____ (1968): Geology, Limestone Mountain 820/14W; Geological Survey of Canada Map 8-1968, Scale 1:50,00.

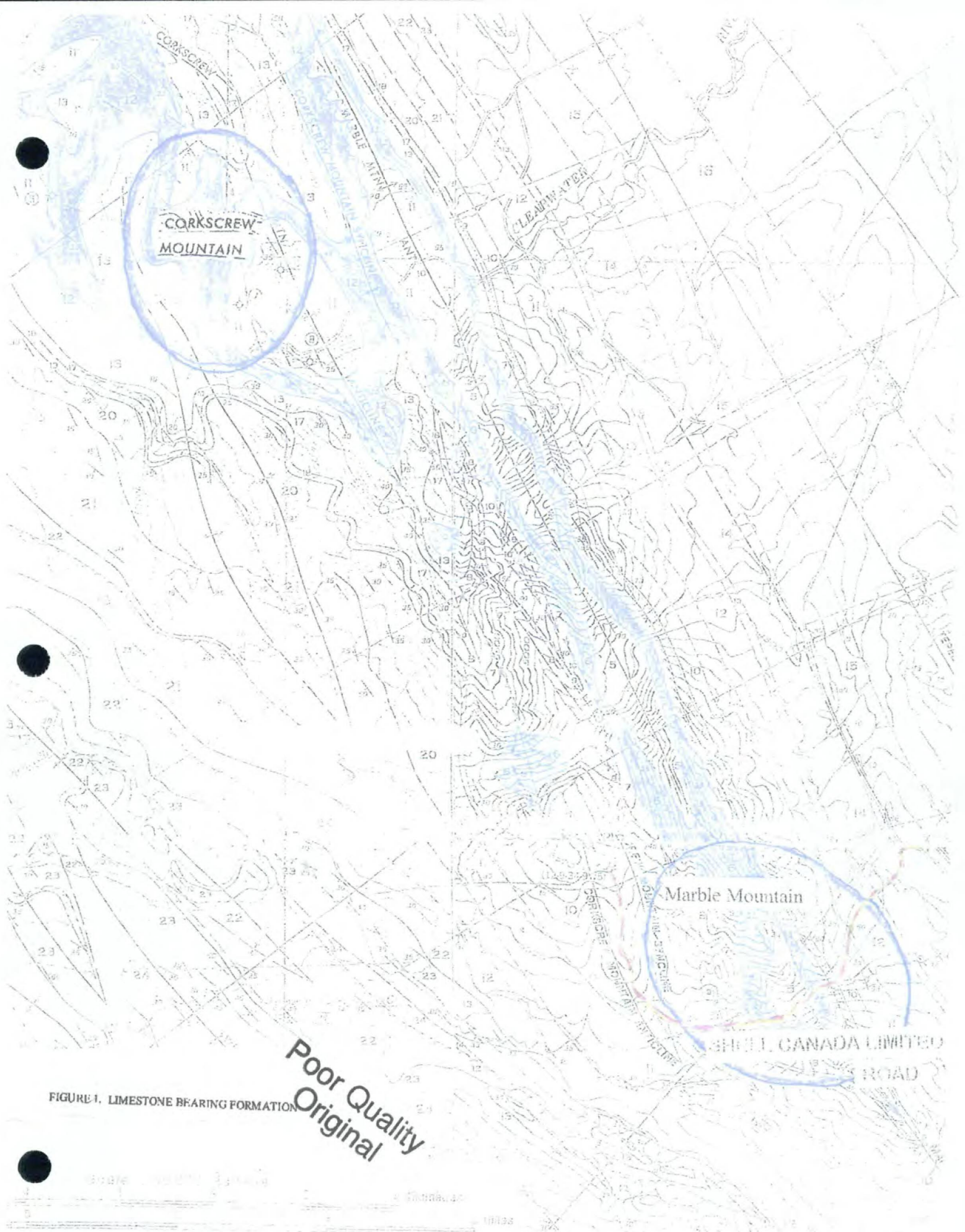
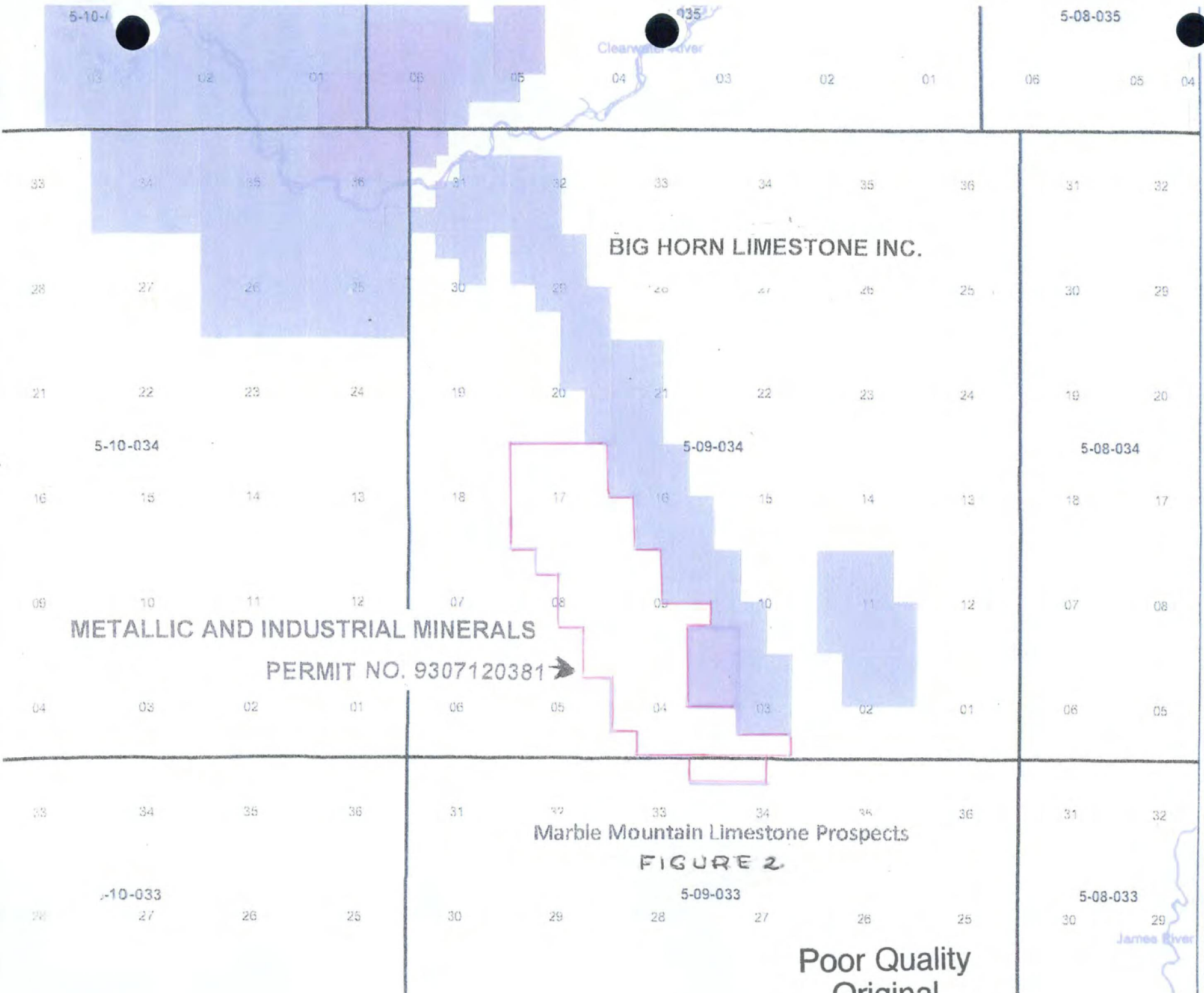


FIGURE 1. LIMESTONE BEARING FORMATION

Poor Quality
Original





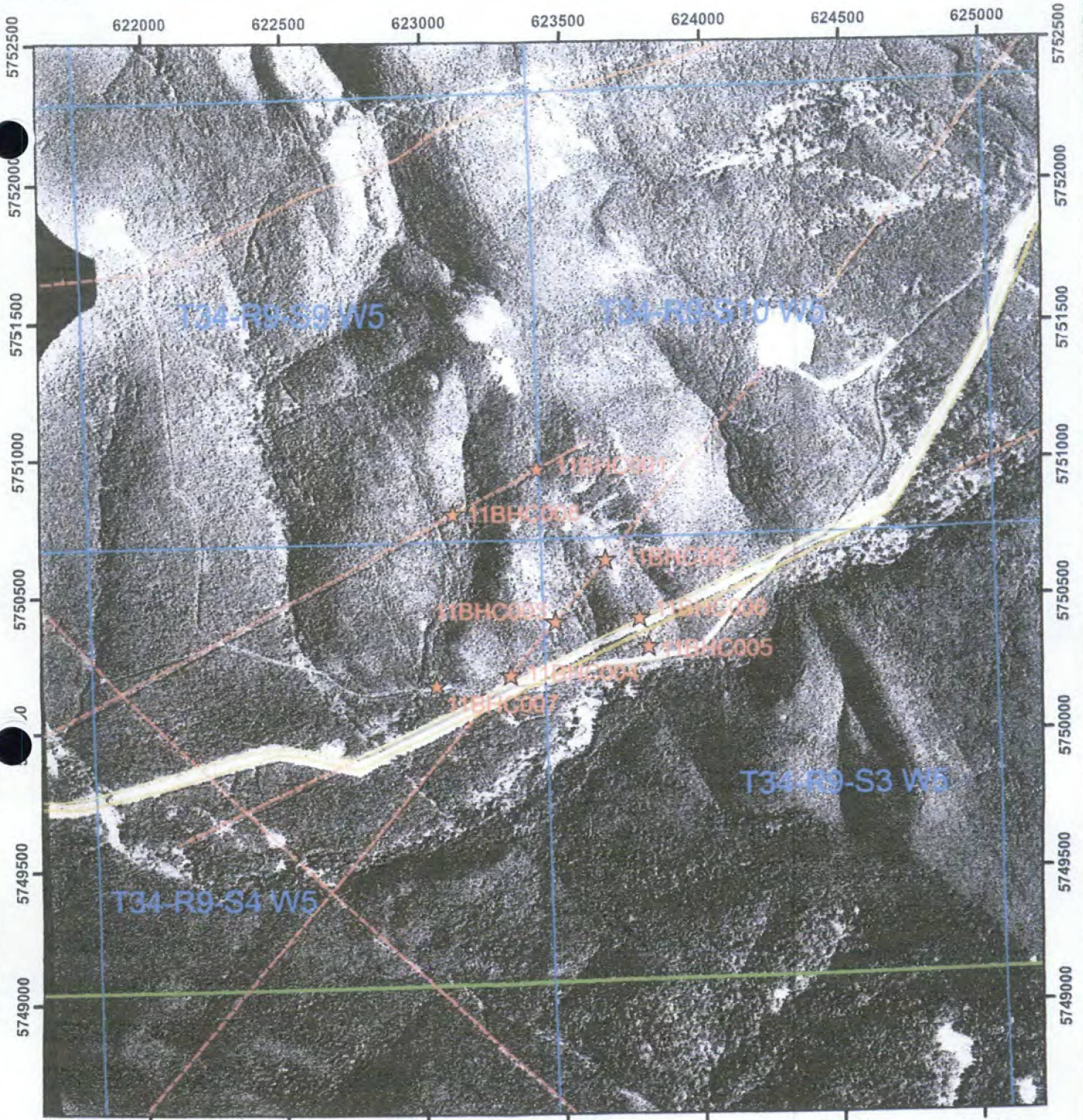
- Major
- Munic
- Speci
- Phosp
- Permi
- Other
- Naturi
- Lease
- Appli
A37
- Appli
Explo
- Appli
- Appli
- Appli
Stora
- Appli
Miner
Undet
- Miner
Alber
- Parks
- Natio

Marble Mountain Limestone Prospects

FIGURE 2

Poor Quality
Original





- Legend**
- ★ 2011 Proposed Drill Holes
 - Road
 - - - Cutline
 - Pipeline
 - Transmission Line
 - Townships
 - Sections



FIGURE 3

BIG HORN LIMESTONE INC.
 Marble Mountain
2011 Proposed Drill Hole Locations

500 250 0 500
 Meters
 1:20,000
 Nad27 z11
 APEX Geoscience Ltd.
 Alberta, Canada

Edmonton April, 2011



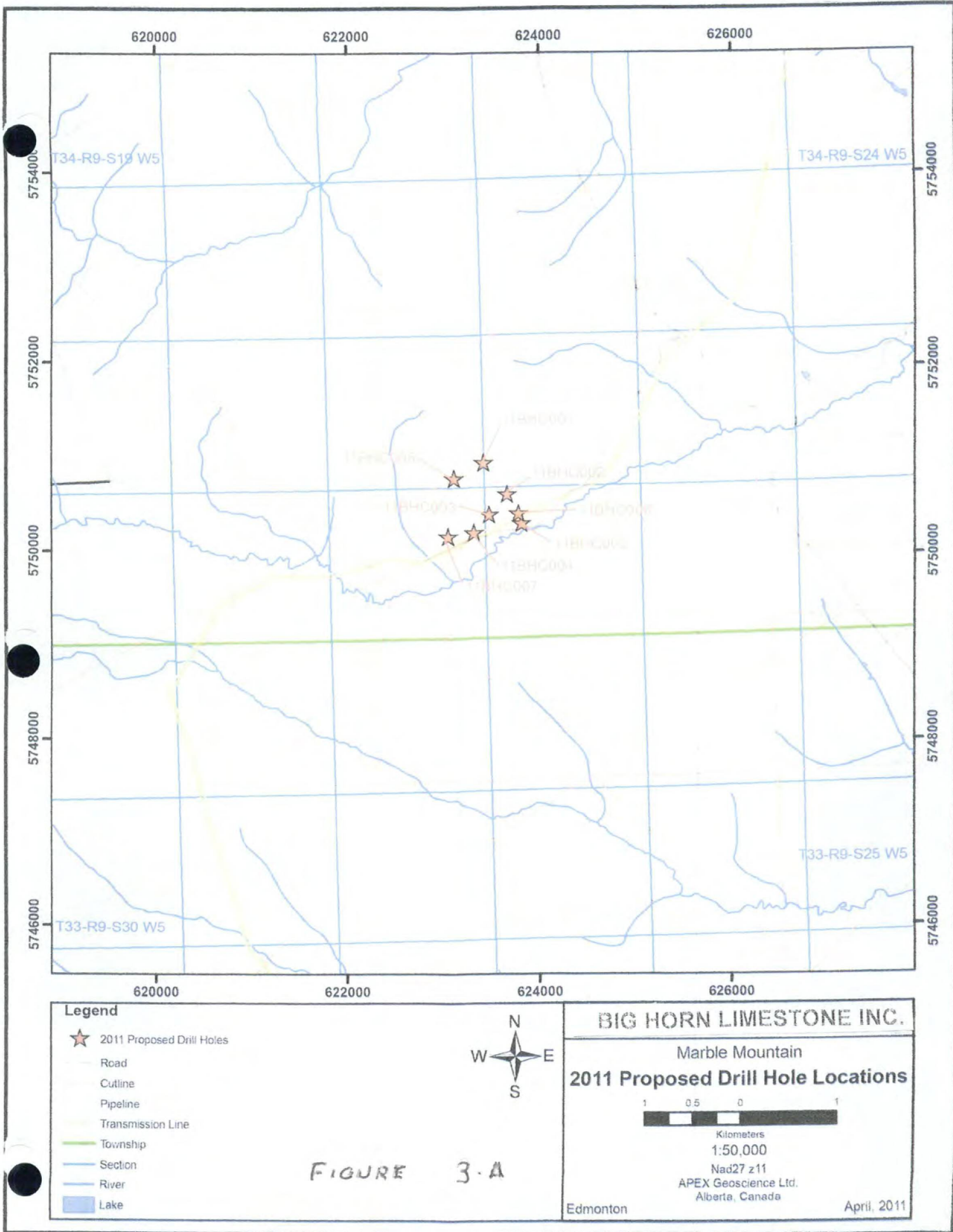


FIGURE 3-A



BIG HORN LIMESTONE INC.

Twp. 34, Rge. 9, W. 5th Mer.

UNDERGROUND MINING PROSPECT →

PERMIT NO. 093-9307120381

FIGURE 4

MARBLE MOUNTAIN LIMESTONE PROSPECT

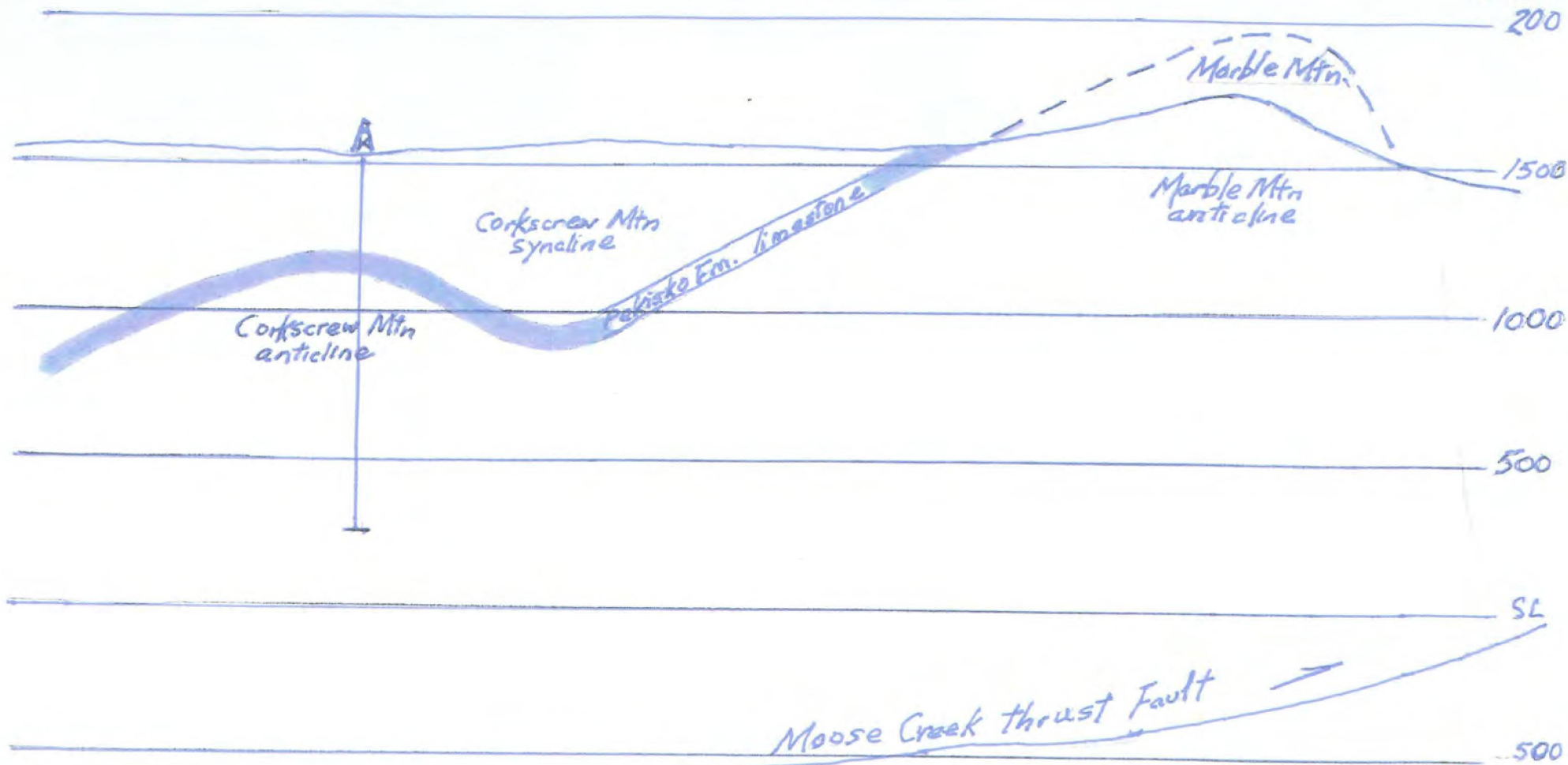
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B
SW

Marble Mountain limestone prospect
Underground mining

B
NE



Sketch - Cross section through Marble Mountain limestone prospect, showing subsurface structure (not to exact scale)

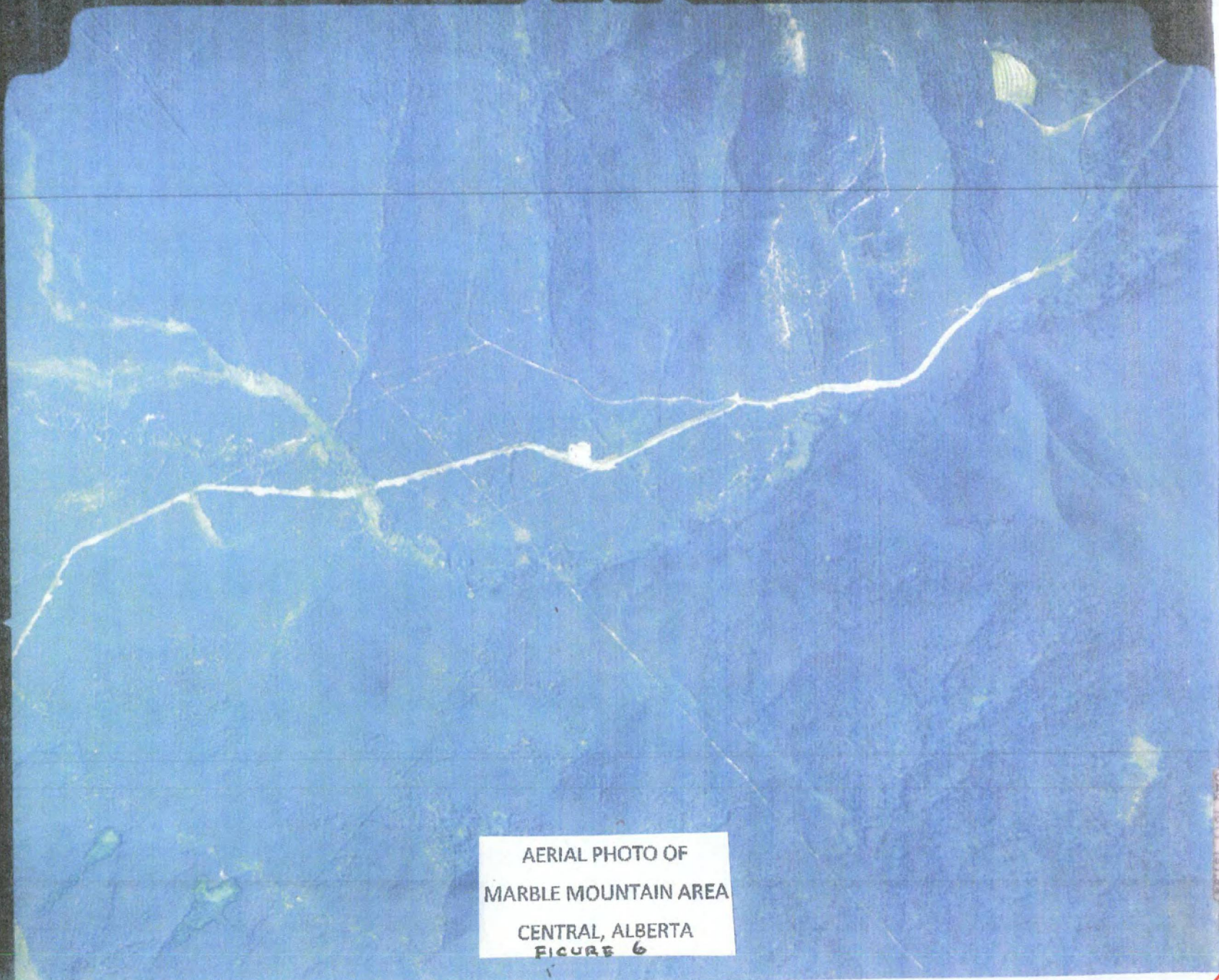
FIGURE 5



820 51:53

1:20,000 85-07-18

Poor Quality
Original



AERIAL PHOTO OF
MARBLE MOUNTAIN AREA
CENTRAL, ALBERTA
FIGURE 6



Big Horn Limestone Inc.

107, 8912 – 156 Street

Edmonton, AB T5R 5Z2

Phone (780) 486-5487 Fax (780) 484-5487 Mobile (780) 245-5487 (24 Hr.)

February 14, 2012

Coal and Mineral Development
11th Flr, North Petroleum Plaza
9945 – 108 St.
Edmonton, AB
T5K 2G6

Attention: Michael Moroscat
Manager Mineral operations

Re: Assessment report mineral Permit No. 9307120781

I, Owen Kenneth Bakewell, residing at the above address do hereby certify I am an independent prospector and have been an active prospector in Alberta since October, 1997.

I am not aware of any material fact or material change with respect to the subject matter of the report that is not reflected in the report, or the omission to disclose which makes the report misleading


Owen Kenneth Bakewell

Signed in Edmonton, Alberta, February 14, 2012