

LOG NO: OCT 04 1001 RD.
ACTION:
FILE NO:

ASSESSMENT REPORT
EXCALIBUR CLAIMS 3056 & 3867

LOG NO: MAR 03 1992 RD.
ACTION: *Handwritten signature*
FILE NO:

CARIBOO MINING DISTRICT
MAP 93G/14W
✓ LOCATION 53° 47' LAT 123° 17' LONG.

OWNER - KOKANEE CONTRACTING LTD.
OPERATOR - KOKANEE CONTRACTING LTD.
AUTHOR - JAMES D. JAMIESON
ADDRESS - 3905 - 18th AVENUE
PRINCE GEORGE, B.C.
PHONE - 561-2770
DATE SUBMITTED - SEPTEMBER 27, 1991

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,684

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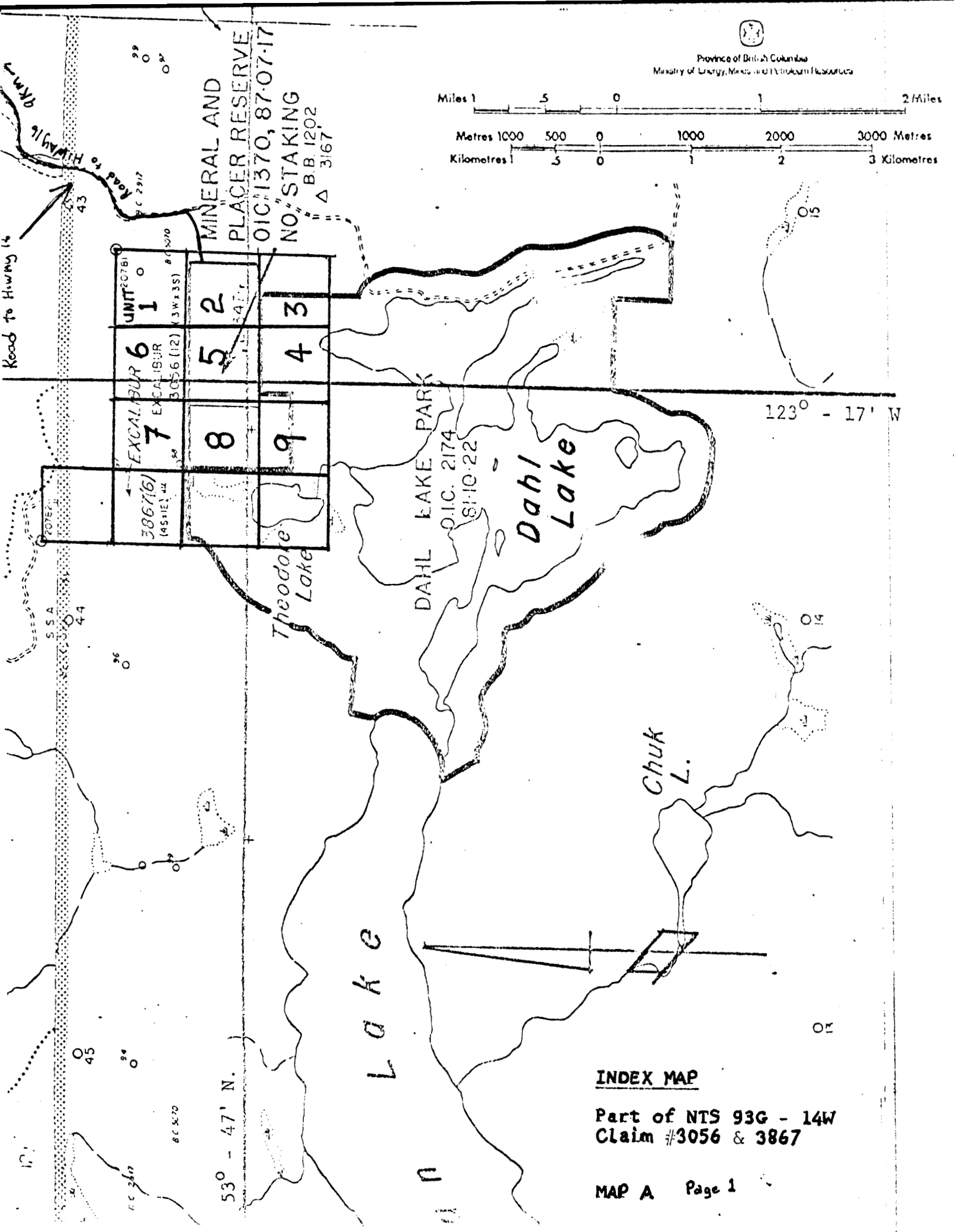
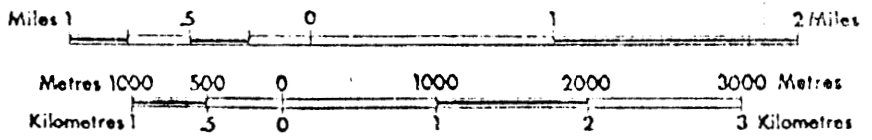
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MINERAL AND
PLACER RESERVE
OIC 1370, 87-07-17
NO STAKING
B.B. 1202
Δ 3167

123° - 17' W

53° - 47' N.

INDEX MAP

Part of NTS 93G - 14W
Claim #3056 & 3867

INTRODUCTION

The Excalibur claims #3056 and #3867 are located approximately 50 km S.W. of Prince George, 53° 47' lat. 123° 17' long. accessed by a road leaving Highway 16 approximately 35 km west of Prince George, thence southerly approximately 15 km as shown on Mineral Titles map 93G 14W.

The property is a limestone deposit owned and operated by Kokanee Contracting Ltd. and has supplied processed limestone to the local pulpmills for approximately 23 years. Thirty-one percussion drill holes 75 mm diameter were drilled for a total length of 283.34 metres.

Reason for lay-out of drill holes is to investigate area that would carry limestone. The thirty-one percussion drill holes were drilled to a depth of 9.14 m each.

This assessment work was done on Unit 8 and 9 Claim #3056.

PRODUCTION: ** ALL METRIC VALUES ARE IN KILOGRAMS EXCEPT PRECIOUS METALS WHICH ARE IN GRAMS **
 ** ALL IMPERIAL VALUES ARE IN POUNDS EXCEPT PRECIOUS METALS WHICH ARE IN OUNCES **

YEAR	Tonnes Mined	Tonnes Milled	Limestone
1987	30,000	0	30,000,000
1986	25,356	0	2,356,000
1985	14,800	0	14,800,000
1984	8,557	0	8,557,000
1983	21,750	0	21,750,000
1982	17,514	0	17,514,000
1981	27,307	0	27,307,000
1980	30,844	0	30,844,000
1979	14,824	0	14,824,000
1978	18,144	0	18,144,000
1977	38,613	0	38,613,000
1976	31,582	0	31,582,000
1975	24,948	0	24,947,579
1974	49,140	0	49,140,380
1973	38,102	0	38,101,757
1972	21,591	0	21,590,995
1971	35,380	0	35,380,203
1970	27,216	0	27,215,541
1969	24,494	0	24,493,986
1968	32,659	0	32,658,649

METRIC TOTAL: 532,821 0 509,820,090

IMPERIAL TOTAL: Tons 587,334 0 1,123,960,903

GEOLOGY:

A northwest trending wedge-shaped area of Upper Permian limestone of the Mississippian to Triassic Cache Creek Group up to 2.8 kilometres wide and 4.3 kilometres long outcrops along the northeast side of Dahl Lake, 35 kilometres southwest of Prince George. The northeast margin of the deposit is faulted against Upper Triassic to Lower Jurassic argillite, greywacke and andesitic to basaltic volcanics of the Takla Group of the Quesnellia Terrane. To the west and south the limestone is buried under glacial till. Bedding generally dips steeply west to vertical, although at one point it strikes 125 degrees and dips 71 degrees northeast.

The limestone is black to light grey and medium to fine-grained with abundant crinoid remains. In thin section the rock displays a few rounded quartz grains and some thin quartz veinlets. The limestone occasionally contains northwest trending chert bands up to 0.6 metres thick that sometimes form zones of numerous bands up to 9 metres wide. Cream coloured masses of magnesian limestone are sometimes present. A sample composed of chips taken at 1.5 metre intervals across the top of the Number 1 Quarry for 33.5 metres contained 55.03 per cent CaO, 0.14 per cent MgO, 0.77 per cent insolubles, 0.15 per cent R2O3, 0.06 per cent Fe2O3, trace of MnO, 0.04 per cent P2O5, 0.003 per cent sulphur and 43.48 per cent ignition loss (Geology, Exploration and Mining in B.C., p. 395 - Sample 1)

Limestone has been produced from three quarries just north of Dahl Lake by Kokanee Contracting since 1968 for pulp mills in the vicinity of Prince George. Up to 1987 a total of 532,820 tonnes of limestone were quarried.

BIBLIOGRAPHY:

EMPR AR #1968-310,311
 EMPR GEM #1969-393-395; 1970-502; 1971-467; 1972-601; 1974-384-385
 EMPR EXPL 1985-A48
 GSC MAP 49-1960; 1424A

Hole Number	Date	Collar EL. M.	Bottom EL. M.	Direction	Inclination	Drilling Log	
						Remarks:	
91-1	16/09/91	0	9.14	Vert.	Vert.	Limestone light to dark grey - fine	
91-2	Sept. 16	0	"	"	"	"	" " " " " "
91-3	Sept. 16	0	"	"	"	"	" " " " " "
91-4	Sept. 16	0	"	"	"	"	" " " " " "
91-5	Sept. 16	0	"	"	"	"	" " " " " "
91-6	Sept. 16	0	"	"	"	"	" " " " " "
91-7	Sept. 17	0	"	"	"	"	light grey - fine
91-8	Sept. 17	0	"	"	"	"	" " " "
91-9	Sept. 17	0	"	"	"	"	" " " "
91-10	Sept. 17	0	"	"	"	"	" " " "
91-11	Sept. 17	0	"	"	"	"	" " " "
91-12	Sept. 17	0	"	"	"	"	" " " "
91-13	Sept. 18	0	"	"	"	"	Medium grey - fine
91-14	Sept. 18	0	"	"	"	"	" " " "
91-15	Sept. 18	0	"	"	"	"	" " " "
91-16	Sept. 18	0	"	"	"	"	dark grey - fine
91-17	Sept. 18	0	"	"	"	"	Light grey - fine
91-18	Sept. 18	0	"	"	"	"	" " " "
91-19	Sept. 18	0	"	"	"	"	" " " "
91-20	Sept. 19	0	"	"	"	"	" " " "
91-21	Sept. 19	0	"	"	"	"	" " " "

APPROVED BY:

DRILL LOGS OF PERCUSSION
 DRILL HOLES FOR ASSESSMENT
 WORK 1991 ON UNIT 8 & 9
 EXCALIBUR M.C. 3056
 SEPTEMBER 16 - 21, 1991
 REF. MAP B

Hole Number	Date	Collar EL. M	Bottom EL. M	Direction	Inclination ⁰	Drilling Log
						Remarks;
91-22	19/09/91	0	9.14	vert.	vert.	Limestone light grey - fine
91-23	19/09/91	0	"	"	"	" " " "
91-24	19/09/91	0	"	"	"	" light to dk grey-fine
91-25	19/09/91	0	"	"	"	" " " " "
91-26	20/09/91	0	"	"	"	" " " " "
91-27	20/09/91	0	"	"	"	" " " " "
91-28	20/09/91	0	"	"	"	" " " " "
91-29	20/09/91	0	"	"	"	" " " " "
91-30	20/09/91	0	"	"	"	" " " " "
91-31	21/09/91	0	"	"	"	" " " " "
91-32						
91-33						
91-34						
91-35						
91-36						
91-37						
91-38						
91-39						
91-40						
91-41						
91-42						

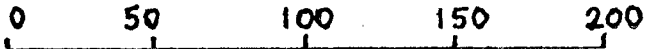
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DRILL LOGS OF PERCUSSION
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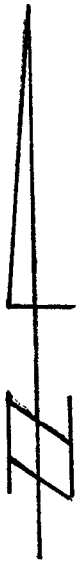
3W 1S

UNIT 8

LOCATION OF PERC. DRILL HOLES
 1991 ASSESSMENT WORK ON UNIT
 8 & 9 EXCALIBUR M.C. #3056
 QUESNEL M.D. 93G 14W



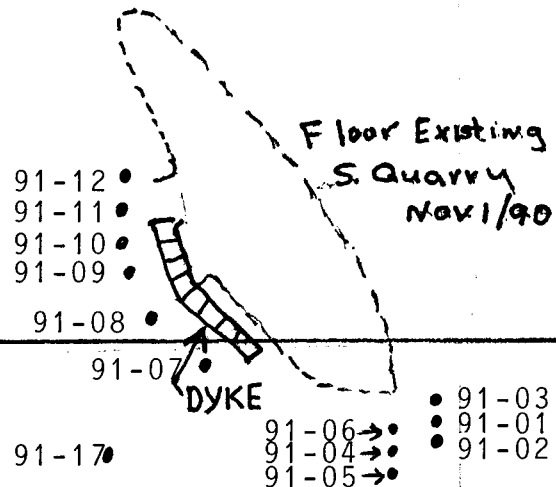
Scale 1:2500 meters
 COMPASS & CHAIN SURVEY
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500 M

- 91-29
- 91-28
- 91-27
- 91-34
- 91-32
- 91-30

- 91-24
- 91-25
- 91-26
- 91-23
- 91-21
- 91-22
- 91-20
- 91-18
- 91-19



3W 2S

UNIT 9

- 91-17
- 91-16
- 91-15
- 91-14
- 91-13

COST OF PHYSICAL ASSESSMENTS

A Gardner Denver ATD 3700 Air-trac c/w PR123 Hammer and Gardner Denver 600 CFM compressor was used for test drilling 31 holes @ 9.14m deep each.

1991

Sept. 16 - 54.84 meters
Sept. 17 - 54.84 meters
Sept. 18 - 63.98 meters
Sept. 19 - 54.84 meters
Sept. 20 - 45.70 meters
Sept. 21 - 9.14 meters

Total of 283.34 meters

283.34 meters @ \$45.93/m = \$13,013.81

TOTAL = \$13,013.81

INTERPRETATION

Percussion drill holes were collared in limestone outcrops in an effort to delineate an area that may contain mineable reserves of limestone. Drill cuttings were examined and the area was found to be composed of massive, light to dark grey, fine grained hard limestone. No intersections of greenstone or porphyry dykes were encountered which have been noted in the area. Drill holes were limited to a depth of 9.14 m. This area appears attractive for further examination which will require stripping of some of the overburden covered areas to accomodate in-fill drilling in order to further assess the property.

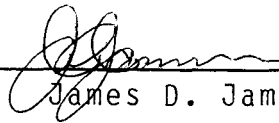
AUTHORS QUALIFICATION

Previous experience in mining, roadway construction and staking of properties.

Foreman for 8 years at Dahl Lake Quarry from 1980 to 1987 in charge of all stripping, drilling, crushing, and production of Chemical Grade Limestone.

Manager of Dahl Lake Quarry from 1987 to present.

Holder of a British Columbia Ministry of Energy, Mines and Petroleum Resources Blasting Ticket.



James D. Jamieson