



**REPORT ON THE 1997  
RC DRILLING PROGRAM  
ON THE  
MAC 1-4 & JEANIE 1-12 CLAIMS**

Whitehorse Mining District, Yukon  
(June 19-July 9, 1997)

**093946**

**Claims:** Mac 1-4 (YB66288-YB66291)  
Jeanie 1-4 (YB66754-YB66765)

**Location:** 1. 10 km North of Braeburn Lodge, Yukon  
2. NTS 105 E/12  
3. Latitude: 61° 32' 40"N  
Longitude: 135° 48' 30"W

**For:** **145976 YUKON INC.**  
1413 Holly Street  
Whitehorse, Yukon  
Y1A 2V2

**By:** R. Allan Doherty, P. Geo.  
**Aurum Geological Consultants Inc.**  
205-100 Main Street  
P.O. Box 4367  
Whitehorse, Yukon  
Y1A 3T5

March 8, 1999

## **SUMMARY**

The Mac 1-4 & Jeannie 1-12 claims were staked north of Braeburn Lodge and east of the Klondike Highway as a potential source of high grade lime. The claims were staked after a regional reconnaissance survey of potential limestone sites was completed by 14844 Yukon Inc., (dba Lime Yukon Inc.). 145976 Yukon Inc. subsequently optioned the claims and completed the described work program as part of the option agreement.

The property is underlain by Triassic Hancock Member Limestone which is a resistant white weathering limestone (Tempelman-Kluit, 1984), and is locally interbedded with fine grained clastic and calcareous siltstone.

During July 1997 seven RC drill holes were completed on the MAC 1-4 claims. One hole, BL-97-3 intersected 45 feet of greater than 95%  $\text{CaCO}_3$  between 55 and 90 feet depth. Although this hole is within the grade requirements for industrial lime, no further drilling should be planned unless significant new high grade lime is identified elsewhere on the property.

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## INTRODUCTION

This report was prepared at the request of the Directors of 145976 Yukon Inc. Its purpose is to summarise the results of the 1997 RC Drilling program on the MAC 1-4 claims, on the Braeburn Lime Project, and to satisfy the reporting and work requirements under the Yukon Quartz Mining Act.

Exploration work consisted of mobilizing a Midnight Sun Drilling Company Ltd., RC drilling rig to the claims on July 23, 1997 and completing seven RC holes for a total of 635 feet of RC drilling over four days. The crew was accommodated at Braeburn Lodge and drove to and from the property daily, a distance of approximately 8 km north from the lodge. Drill supervision and chip logging was completed by R. Allan Doherty, P. Geo. of Aurum Geological Consultants Inc. Drill sites were selected based on depth of overburden and proximity to surface samples that had returned high CaCO<sub>3</sub> values (i.e. >95%).

## LOCATION AND ACCESS

The Mac and Jeannie Claims are located 8 km north of the Braeburn Lodge and airstrip, on the east side of the Klondike highway (Figures 1 ). The Whitehorse-Faro power transmission line runs along the highway and through the property. A cat road was constructed off of the highway to access the drilling sites. The centre of the Mac 1-4 claim block is located at approximately 61° 32' 40"N Longitude, and 135° 48' 30"W latitude within the 1:50,000 Twin Lakes map area, NTS 105 E/12.

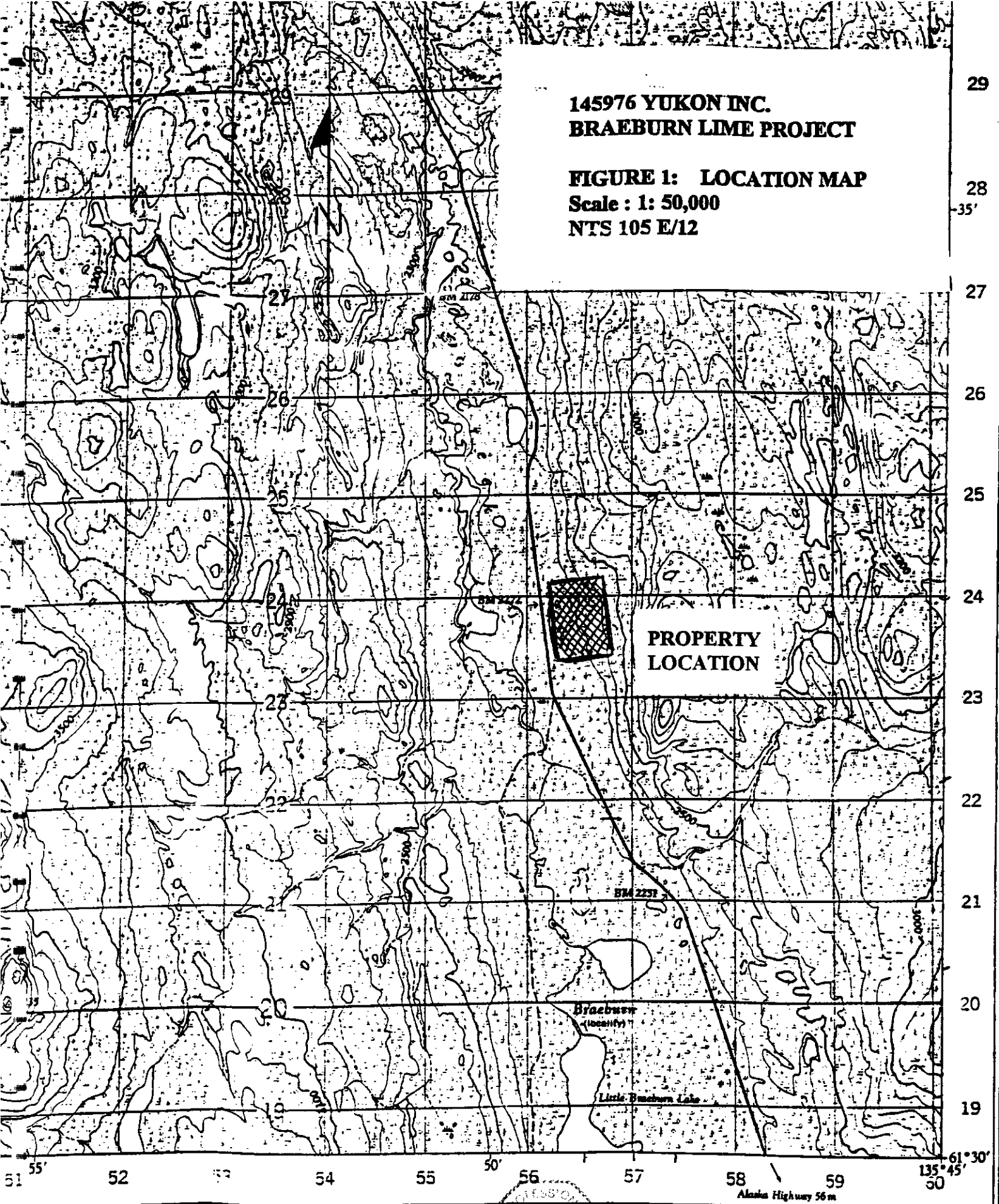
## PHYSIOGRAPHY, CLIMATE AND VEGETATION

The property is located within the Lewes Plateau physiographic region. The area is characterised by moderate relief. Elevations range from 2200 to 3300 feet. Vegetation consists of White Spruce, Lodgepole Pine, and mature Aspen trees with very sparse willow growing in the lower creeks. Outcrop occurs on about 10% of the property and is exposed on ridges cliffs in steeper areas. Talus and felsenmeer are common on the steep ridges and mountainsides and mostly reflect underlying bedrock lithologies. The valley floors are covered by a thick mantle of glacial till which masks important bedrock geology contacts.

The climate in the area is characterised by cool winters and warm summers. Rainfall and thundershowers are common in the summer months. Average annual precipitation is 40 cm. The exploration season extends from May to late September.

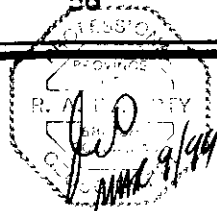
**145976 YUKON INC.  
BRAEBURN LIME PROJECT**

**FIGURE 1: LOCATION MAP**  
**Scale : 1: 50,000**  
**NTS 105 E/12**



(Joins Braeburn Lake 105 E/5W)

**TWIN LAKES  
YUKON TERRITORY**



Compilée en 1962, par la DIRECTION DES LEVÉS ET DE LA  
CARTOGRAPHIE, MINISTÈRE DES MINES ET DES RELEVÉS  
TECHNIQUES, d'après les photographies aériennes prises en  
1948 et 1954. Imprimées en 1963.

Ces cartes sont en vente au Bureau de distribution des cartes,  
ministère des Mines et des Relevés techniques, Ottawa.

## PROPERTY

The MAC 1-4 claims were first staked on September 18, 1995 by R. L. McIntyre. The Jeannie 1-12 Claims were staked on May 9, 1996 by R. Voisine. Both sets of claims were recorded at the Whitehorse Mining Recorders Office. The claims were staked in accordance with the Yukon Quartz Mining Act, (Figure 2). Subsequent to locating the MAC 1-4 claims and the Jeannie 1-12 claims, the claim lines were surveyed by Bruce MacLean and found to be well staked with no fractional ground between claims. The survey sketch of the claims and surface sample locations and RC Drill hole locations is shown in Figure 3. Table I lists the claim names and grant numbers and the renewal dates requested.

**Table I -CLAIM STATUS**

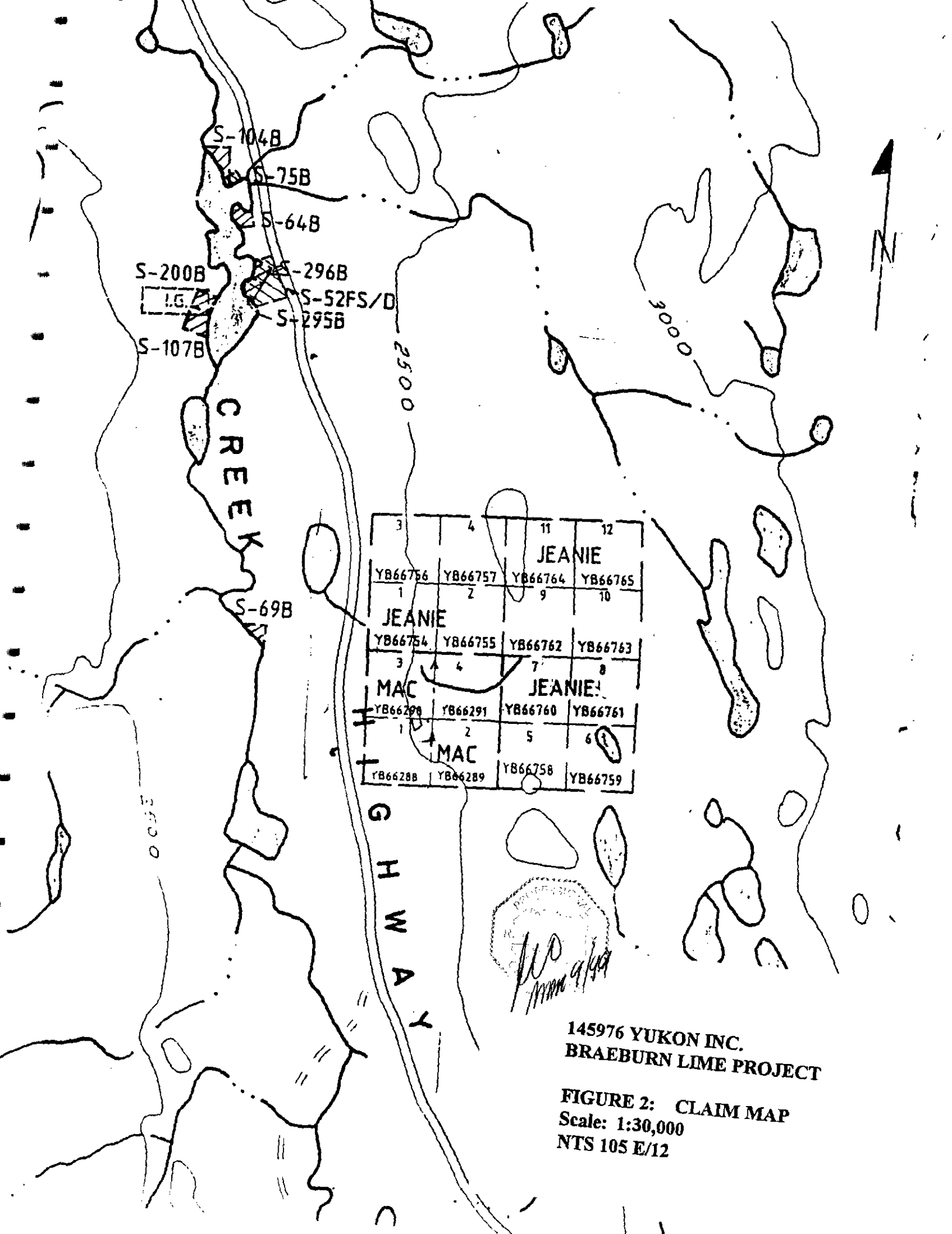
CLAIM NAME	GRANT NUMBER	NUMBER OF CLAIMS	EXPIRY DATE	MINING DISTRICT
MAC 1-4	YB66288-291	4	03 OCT, 2003	Whitehorse
JEANNIE 1-12	YB66754-765	4	10 MAY, 2003	Whitehorse

\* subject to approval of 1997 assessment work

## HISTORY

There is no record of prior claim staking in this area. The area is underlain mainly by Triassic limestone of the Whitehorse Trough which have prior to this program been explored mainly for coal measures.

The MAC 1-4 claims were staked to cover a potential lime deposit identified during a regional exploration program for that mineral commodity.



S-104B  
 S-75B  
 S-64B  
 S-200B  
 S-296B  
 S-52FS/D  
 S-295B  
 S-107B

CREEK

S-69B

3	4	11	12
JEANIE			
YB66756	YB66757	YB66764	YB66765
1	2	9	10
JEANIE			
YB66754	YB66755	YB66762	YB66763
3	4	7	8
MAC		JEANIE	
YB66290	YB66291	YB66760	YB66761
1	2	5	6
MAC		JEANIE	
YB66288	YB66289	YB66758	YB66759

G  
H  
W  
A  
Y

*Handwritten signature and date: 9/1/99*

145976 YUKON INC.  
 BRAEBURN LIME PROJECT

FIGURE 2: CLAIM MAP  
 Scale: 1:30,000  
 NTS 105 E/12

## GEOLOGY

### Regional Geology

The regional geology of the area consists of the Whitehorse Trough Triassic sedimentary rocks overlain by Laberge Group conglomerate and by Upper Jurassic Tantalus Formation conglomerate.

### Property Geology

The Mac and Jeannie claims cover a prominent resistant hill underlain by Triassic Hancock Member limestone. The rocks are gently folded about north south trending axial fold planes. Outcrop distribution is limited to < 10% of the area.

## 1997 RC Drilling Program

### Introduction

Between July 23-26, 1997 seven RC drill holes were completed totalling 635 feet. Most work was concentrated on the centre of the claim block over areas believed to have the best potential for a deposit of high purity lime.

A tote trail was constructed using a D-6 caterpillar following an existing access road under the power transmission line. The RC holes were all within the MAC 1-4 claims, contained within a 350 m by 150 m rectangular area straddling all four claims. Of the seven holes drilled, six were sampled and logged in detail. The seventh hole RC97-7 intersected sooty limey siltstone and it was not logged in detail or sampled. All drill holes were drilled at 90 degrees.

A total of 109 chip samples were collected from the RC drill cuttings and analysed at TerraMin Research Labs Ltd., for a suite of whole rock oxides and loss on ignition (LOI). The oxides analysed were: SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, CaO, MgO, Na<sub>2</sub>O, K<sub>2</sub>O, Fe<sub>2</sub>O<sub>3</sub>, MnO, and TiO<sub>2</sub>. The analytical results are found in Appendix A.

### Results

In order to convert the CaO to CaCO<sub>3</sub>, the percentage CaO is multiplied by a factor of 1.78. The drill logs are found in Appendix B and show the interval in feet, percentage of Fe<sub>2</sub>O<sub>3</sub>, recalculated percentage of CaCO<sub>3</sub>, notes on sulphides and alteration, rock and powder colour, percent fines, a graphic strip log, and lithology. Hole BL-RC97-3 produced the best results with an interval of 55 feet grading 94.8% between 55 and 110 feet ( see Figure 3 & Appendix B). The interval between 55 and 90 feet graded 95.23% CaCO<sub>3</sub>. Other holes produced grades much lower than 90% CaCO<sub>3</sub>. There is a strong correlation between low silica and higher grades of calcium carbonate.

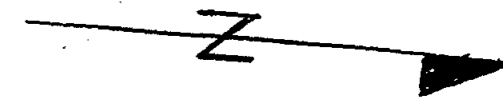


356°

893.29 (c)

MAC 1

MAC 3



(2427)

353°

52' 444.62 (c)

38° (c)

97-4

BL-RC-97-5

(2603)

349° 09' 13" 62.84

(2426)

354°

15' 439.36 (c)

43° (c)

BL-RC-97-3

97-2

97-3

BL-RC-97-2

BL-RC-97-1

97-1A

97-7

97-1B

BL-RC-97-4

37"

97-6

BL-RC-97-7

97-5

97-12

97-11

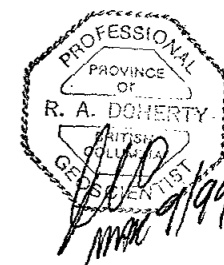
97-10

BL-RC-97-6

MAC 2

MAC 4

- BL-RC-97-6 ● - RC DRILL HOLE NUMBER & LOCATION
- 97-11 - SAMPLE NUMBER & LOCATION
- (2426) - SURVEY TAG



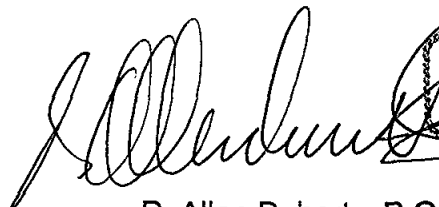
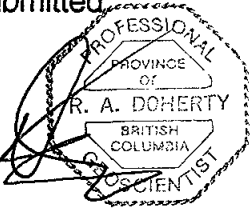
45976 YUKON INC.  
 BRAEBURN LIME PROJECT  
 FIGURE 3: RC DRILL HOLE LOCATIONS  
 Scale: 1:2500  
 NTS 105 E/12

## CONCLUSIONS AND RECOMMENDATIONS

Of the seven short RC drill holes completed on the Braeburn Lime project, BL-RC-97-3 intersected good grades of calcium carbonate over a reasonable interval (55 feet of 95.23% CaCO<sub>3</sub>). There is a strong correlation between low silica and high calcium carbonate in analyses from drill cuttings.

Further drilling should only be contemplated if additional high grade (>95% CaCO<sub>3</sub> recalculated) is located elsewhere on the property by surface sampling.

Respectfully Submitted,

  
  
R. Allan Doherty, P. Geo.  
Aurum Geological Consultants Inc.

March 8, 1999

## REFERENCES


Tempelman-Kluit, D. J., 1984 Geology of Laberge (105 E) and Carmacks (115 I). Open File 1101, Exploration and Geological Services, Department of Indian and Northern Affairs, Whitehorse.,

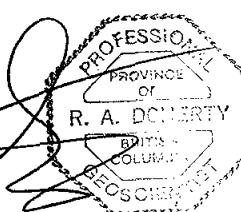
## STATEMENT OF QUALIFICATIONS

I, R. Allan Doherty, hereby certify that:

1. I am a geologist with **AURUM GEOLOGICAL CONSULTANTS INC.**, 205 - 100 Main Street, P.O. Box 4367, Whitehorse, Yukon, Y1A 3T5.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland, 1978-80. I have been involved in geological mapping and mineral exploration continuously since then.
3. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564.
4. I am the author of this report based on information collected during property work on the Braeburn Lime property completed between June 19<sup>th</sup> - July 9, 1997.
5. I have no interest in the properties or securities of 145976 Yukon Inc., or any related companies.
5. I consent to the use of this report by 145976 Yukon Inc., only for assessment purposes.

March 8, 1999

  
R. Allan Doherty, P. Geo.



## STATEMENT OF COSTS

1997 Assessment Work Valuation; MAC 1-4 Claims, 105 E/12  
Work completed between June 19, and July 9, 1997

### Personal

R. Allan Doherty, P. Geo.,	
P.O. Box 4367, Whitehorse, Yukon, Y1A 3T5	
(June 19, 23-26, July 7, 1997), 5.5 days @ \$350.00	\$1,925.00

### Expenses - Drilling & Analytical

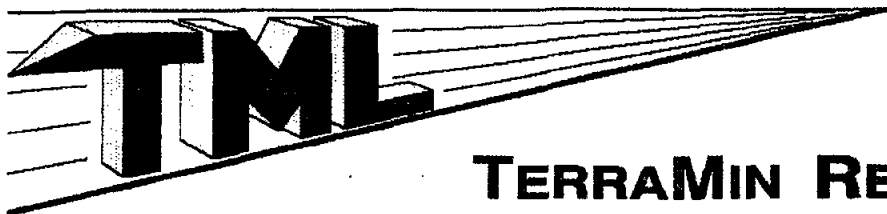
Midnight Sun Drilling Ltd. 635 feet @ \$17/foot:	\$10,625.00
Truck rental: 3 days @ \$100/day	\$300.00
Accommodation & Meals: 10 man days @ \$60/man day	\$ 600.00
Sub-Total:	\$13,450.00
GST (7% of \$13,450.00):	\$941.50

<b>VALUATION OF 1997 ASSESSMENT WORK</b>	<b>\$14,391.50</b>
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**APPENDIX A**

**ANALYTICAL REPORTS**

**TerraMin Research Labs Ltd Job No. 97-178**



**14976 YUKON INC.**  
1413 Holly Street  
Whitehorse, Yukon Y1A 4V2  
Phone: (403) 633-6870

# TERRAMIN RESEARCH LABS LTD.

14, 2235 - 30th Avenue NE, Calgary, Alberta, T2E 7C7  
Phone (403) 250 9460 FAX (403) 291 7064 Toll Free 1 (800) 363 0962

## FAX COVER PAGE

To: Bruce MacLean

From : Yvonne Hazeldene

Company :

Company : Terramin Research Labs Ltd.

Fax Number : 1-403-667-2220

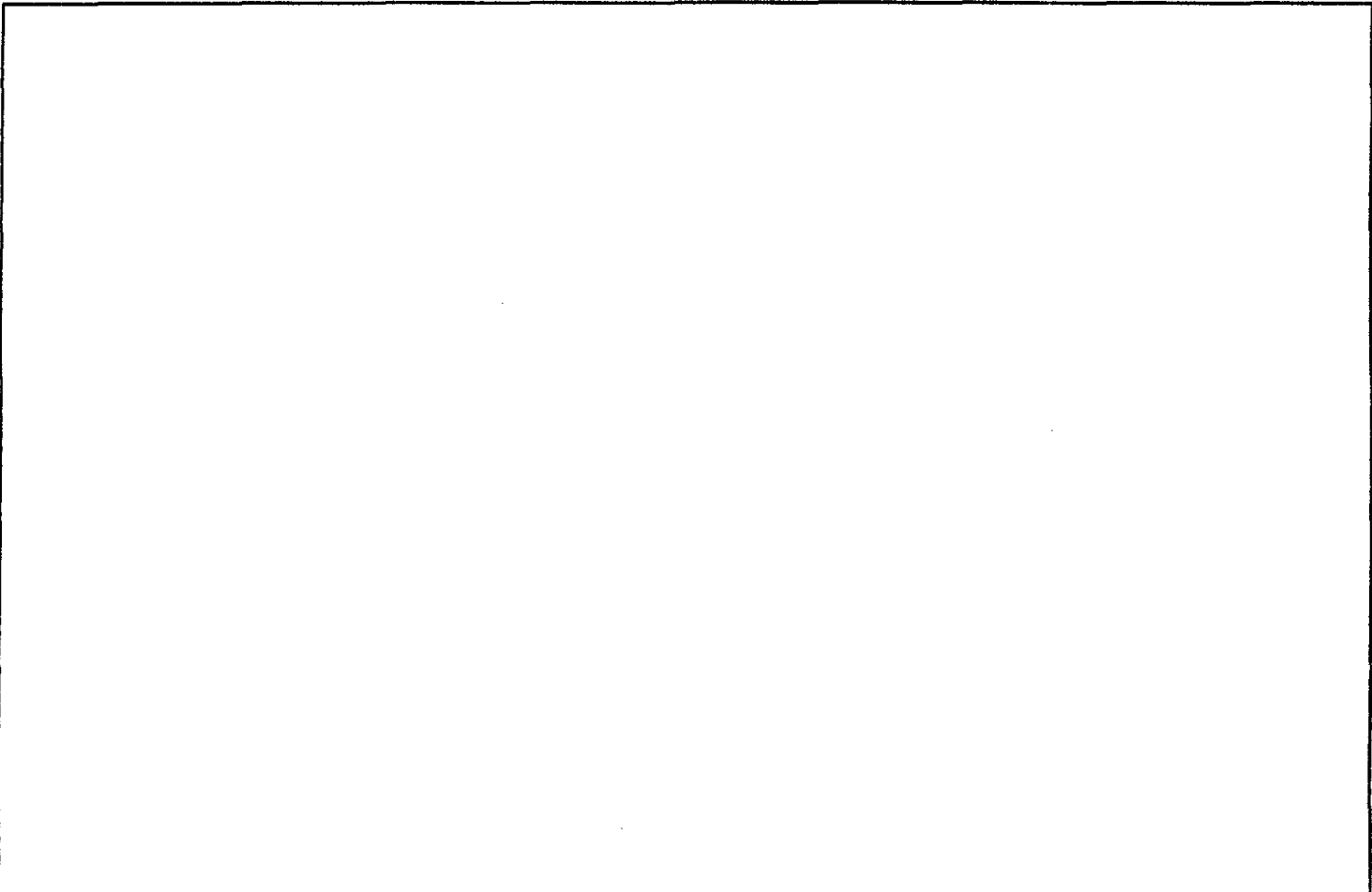
For information Call: 403 291 7064

Date : 8/6/97

Time : 4:28:12 PM

Fax Number : 1-403-291-7064

Pages including this cover : 4




**TERRAMIN RESEARCH LABS Ltd.**
**Job No: 97-176****Client: 14976 Yukon Inc.  
Project:**

Sample Number	from	to	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	Fe <sub>2</sub> O <sub>3</sub> %	MnO %	TiO <sub>2</sub> %	LOI %	Total %
97-1	0	5	6.2	1.7	45.1	4.46	0.108	0.296	0.43	0.015	0.07	41.4	99.73
97-1	5	10	4.9	1.1	48.0	2.37	0.032	0.192	0.44	0.012	0.03	42.0	99.11
97-1	10	15	5.3	1.3	48.0	2.45	0.026	0.217	0.36	0.013	0.05	41.6	99.37
97-1	15	20	4.9	1.3	49.4	1.96	0.036	0.195	0.29	0.012	0.05	41.6	99.82
97-1	20	25	4.7	1.1	46.6	3.40	0.036	0.192	0.25	0.014	0.03	42.4	98.82
97-1	25	30	4.3	0.9	45.6	4.39	0.043	0.163	0.30	0.018	0.03	42.4	98.16
97-1	30	35	3.9	0.9	48.9	2.50	0.027	0.124	0.30	0.015	0.03	42.2	98.91
97-1	35	40	4.9	1.3	49.2	1.64	0.036	0.172	0.37	0.015	0.05	42.0	99.70
97-1	40	45	5.3	0.9	48.5	1.39	0.015	0.145	0.33	0.014	0.03	41.8	98.53
97-1	45	50	28.7	5.1	31.6	1.69	0.039	0.853	1.92	0.043	0.18	29.4	99.52
97-1	50	55	45.6	10.0	16.7	2.21	0.042	0.658	5.45	0.065	0.42	18.2	99.35
97-1	55	60	34.4	9.3	23.1	2.79	0.032	0.596	5.18	0.076	0.40	23.6	99.49
97-1	60	65	49.2	10.2	14.4	2.30	0.030	0.643	5.36	0.059	0.43	16.8	99.38
97-1	65	70	48.1	7.6	16.6	2.82	0.030	0.725	3.86	0.063	0.30	19.2	99.29
RC 97-2	0	5	3.2	0.8	52.6	0.53	0.022	0.122	0.33	0.012	0.03	41.4	99.04
RC 97-2	5	10	4.3	1.1	51.0	0.47	0.030	0.166	0.39	0.010	0.05	42.0	99.56
RC 97-2	10	15	4.3	0.9	51.0	0.48	0.047	0.112	0.24	0.008	0.03	42.0	99.18
RC 97-2	15	20	3.9	0.9	51.3	0.65	0.027	0.108	0.29	0.009	0.05	42.4	99.62
RC 97-2	20	25	4.1	1.1	50.2	0.70	0.061	0.157	0.40	0.012	0.05	41.6	98.41
RC 97-2	25	30	7.7	2.5	47.0	1.23	0.032	0.462	1.07	0.014	0.15	39.0	99.16
RC 97-2	30	35	37.2	12.3	11.7	6.67	0.077	2.759	8.41	0.066	0.60	20.2	99.97
RC 97-2	35	40	28.0	10.8	20.1	5.89	0.088	1.591	6.38	0.114	0.53	26.2	99.65
RC 97-2	40	45	27.2	10.4	22.9	4.66	0.201	2.000	6.65	0.107	0.52	25.2	99.75
RC 97-2	45	50	39.4	12.5	12.6	4.73	0.169	2.567	8.98	0.086	0.68	18.0	99.66
RC 97-2	50	55	33.4	10.6	17.5	5.82	0.105	1.326	6.25	0.127	0.53	24.0	99.65
RC 97-2	55	60	30.4	13.2	15.0	6.12	0.178	2.109	7.58	0.097	0.67	24.0	99.36
RC 97-2	60	65	28.9	13.0	16.1	6.04	0.116	2.374	8.08	0.094	0.67	24.4	99.76
RC 97-2	65	70	16.0	5.3	36.8	4.01	0.040	0.922	2.77	0.054	0.30	33.6	99.85
RC 97-2	70	75	29.1	11.7	16.5	8.24	0.077	2.350	6.81	0.146	0.47	24.4	99.77
RC 97-2	75	80	34.9	14.0	13.8	5.75	0.058	3.434	6.64	0.056	0.53	20.6	99.74
RC 97-2	80	85	3.4	1.1	49.8	2.47	0.013	0.195	0.83	0.018	0.07	41.8	99.79
RC 97-2	85	90	2.1	0.4	52.9	0.86	0.008	0.055	0.27	0.012	0.03	43.0	99.66
RC 97-2	90	95	3.6	0.6	49.8	2.30	0.019	0.084	0.36	0.014	0.03	42.8	99.66
RC 97-2	95	100	4.1	0.8	49.0	2.80	0.020	0.128	0.41	0.014	0.05	42.4	99.69
RC 97-3	0	5	12.8	2.8	43.9	0.46	0.473	0.398	0.82	0.032	0.13	37.6	99.44
RC 97-3	5	10	1.5	0.4	53.6	0.24	0.018	0.047	0.14	0.018	0.02	43.6	99.52
RC 97-3	10	15	3.6	0.9	51.8	0.34	0.156	0.124	0.40	0.019	0.05	41.6	99.10
RC 97-3	15	20	1.3	0.2	54.0	0.27	0.009	0.041	0.10	0.006	0.02	43.8	99.67
RC 97-3	20	25	3.0	0.8	52.2	0.31	0.082	0.104	0.26	0.010	0.05	42.4	99.19
RC 97-3	25	30	2.1	0.4	53.8	0.26	0.016	0.072	0.19	0.010	0.03	42.6	99.52

1.78




**TERRAMIN RESEARCH LABS Ltd.**
**Job No: 97-176****Client: 14976 Yukon Inc.  
Project:**

Sample Number	from	to	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	Fe <sub>2</sub> O <sub>3</sub> %	MnO %	TiO <sub>2</sub> %	LOI %	Total %
RC 97-3	30	35	3.4	0.8	52.4	0.32	0.031	0.134	0.30	0.012	0.05	42.2	99.58
RC 97-3	35	40	2.4	0.6	52.9	0.34	0.008	0.072	0.27	0.010	0.05	42.6	99.17
RC 97-3	40	45	2.1	0.6	52.9	0.41	0.004	0.082	0.26	0.008	0.05	42.8	99.21
RC 97-3	45	50	1.7	0.4	53.0	0.38	0.003	0.055	0.14	0.008	0.03	43.2	98.94
RC 97-3	50	55	11.1	2.8	44.8	1.19	0.011	0.560	1.23	0.027	0.13	37.4	99.30
RC 97-3	55	60	1.3	0.4	53.7	0.42	0.001	0.059	0.16	0.008	0.03	43.2	99.24
RC 97-3	60	65	1.1	0.2	53.0	0.32	0.008	0.043	0.13	0.006	0.02	43.4	98.21
RC 97-3	65	70	1.3	0.2	53.7	0.34	0.005	0.049	0.09	0.006	0.03	43.4	99.09
RC 97-3	70	75	1.7	0.4	53.3	0.32	0.043	0.057	0.10	0.005	0.03	43.4	99.34
RC 97-3	75	80	1.5	0.2	53.4	0.34	0.018	0.049	0.09	0.005	0.03	43.2	98.85
RC 97-3	80	85	1.5	0.4	54.0	0.32	0.016	0.054	0.10	0.006	0.03	43.6	99.96
RC 97-3	85	90	1.7	0.4	53.4	0.34	0.009	0.074	0.11	0.006	0.03	43.2	99.29
RC 97-3	90	95	3.0	0.8	53.4	0.35	0.069	0.129	0.19	0.008	0.05	42.0	99.97
RC 97-3	95	100	6.2	1.5	49.8	0.45	0.226	0.224	0.41	0.012	0.08	40.4	99.37
RC 97-3	100	105	1.7	0.4	54.4	0.36	0.039	0.059	0.10	0.004	0.02	42.0	99.03
RC 97-3	105	110	1.9	0.4	53.7	0.45	0.020	0.060	0.13	0.006	0.02	42.8	99.47
RC 97-3	110	115	2.4	0.4	53.2	0.88	0.016	0.042	0.20	0.010	0.02	42.8	99.86
RC 97-3	115	120	3.0	0.4	52.6	0.61	0.016	0.019	0.09	0.006	0.02	42.8	99.56
RC 97-4	10	15	4.7	0.4	51.6	0.70	0.081	0.139	0.49	0.014	0.05	41.4	99.52
RC 97-4	15	20	3.2	0.2	53.3	0.62	0.026	0.065	0.31	0.014	0.02	42.0	99.75
RC 97-4	20	25	19.3	4.2	36.2	2.64	0.035	0.610	2.36	0.036	0.27	34.2	99.70
RC 97-4	25	30	32.5	11.3	14.6	7.23	0.063	1.699	7.68	0.101	0.62	23.8	99.65
RC 97-4	30	35	5.6	0.9	49.2	1.07	0.011	0.143	0.77	0.015	0.08	41.2	98.98
RC 97-4	35	40	18.4	6.0	35.0	3.07	0.036	0.672	2.86	0.075	0.37	33.4	99.87
RC 97-4	40	45	30.4	12.5	17.8	5.07	0.208	1.482	7.29	0.103	0.67	24.0	99.48
RC 97-4	45	50	31.2	11.7	16.1	6.65	0.278	1.639	7.32	0.137	0.68	24.0	99.73
RC 97-4	50	55	6.2	1.7	46.5	2.84	0.044	0.306	0.94	0.023	0.10	40.4	99.07
RC 97-4	55	60	6.8	1.5	46.6	2.09	0.030	0.224	1.02	0.037	0.08	41.0	99.48
RC 97-4	60	65	29.7	10.8	21.9	4.89	0.055	2.181	4.55	0.062	0.42	24.8	99.38
RC 97-5	0	5	8.6	1.9	47.2	0.78	0.144	0.327	0.49	0.018	0.08	40.0	99.46
RC 97-5	5	10	4.3	1.1	51.2	0.61	0.009	0.208	0.27	0.019	0.07	41.8	99.56
RC 97-5	10	15	4.5	1.3	50.5	0.86	0.013	0.263	0.31	0.012	0.07	41.6	99.45
RC 97-5	15	20	3.4	0.9	51.7	0.75	0.020	0.196	0.24	0.009	0.05	42.0	99.34
RC 97-5	20	25	2.8	0.8	52.0	0.71	0.018	0.134	0.19	0.009	0.03	42.6	99.19
RC 97-5	25	30	3.0	0.8	52.0	0.48	0.013	0.131	0.21	0.010	0.05	42.6	99.22
RC 97-5	30	35	2.4	0.8	53.0	0.43	0.024	0.118	0.17	0.008	0.03	42.6	99.52
RC 97-5	35	40	2.4	0.6	52.5	0.47	0.018	0.094	0.19	0.010	0.03	42.8	99.03
RC 97-5	40	45	2.6	0.6	53.0	0.46	0.013	0.100	0.29	0.019	0.05	42.8	99.89
RC 97-5	45	50	3.0	0.8	52.6	0.51	0.019	0.119	0.34	0.014	0.05	42.4	99.84
RC 97-5	50	55	21.6	2.5	40.0	0.90	0.019	0.293	1.36	0.026	0.15	32.4	99.21



## TERRAMIN RESEARCH LABS Ltd.

Job No: 97-176

Client: 14976 Yukon Inc.

Project:

Sample Number	from	to	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	CaO %	MgO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	Fe <sub>2</sub> O <sub>3</sub> %	MnO %	TiO <sub>2</sub> %	LOI %	Total %
RC 97-5	55	60	25.0	4.2	35.6	1.91	0.022	0.405	1.97	0.028	0.23	30.2	99.57
RC 97-5	60	65	20.1	4.0	39.7	1.45	0.023	0.352	1.79	0.030	0.22	31.6	99.27
RC 97-5	65	70	28.4	0.9	37.7	0.51	0.004	0.112	0.59	0.018	0.05	30.8	99.22
RC 97-5	70	75	1.3	0.8	51.6	0.69	0.007	0.093	0.53	0.027	0.05	41.4	99.40
RC 97-5	75	80	31.4	1.9	34.6	0.71	0.018	0.221	0.87	0.022	0.10	29.2	99.03
RC 97-5	80	85	22.0	3.8	38.0	1.39	0.026	0.433	1.84	0.028	0.23	31.8	99.58
RC 97-5	85	90	25.0	3.0	36.9	1.07	0.016	0.512	1.50	0.022	0.17	31.4	99.69
RC 97-5	90	95	31.7	12.5	15.0	6.83	0.356	2.796	7.61	0.086	0.58	22.4	99.80
RC 97-5	95	100	13.3	4.9	39.9	2.21	0.559	0.541	1.32	0.163	0.25	36.6	99.68
RC 97-6	0	5	18.4	4.5	38.5	0.98	0.767	0.639	1.63	0.048	0.20	33.6	99.34
RC 97-6	5	10	9.4	1.7	46.8	1.00	0.015	0.236	0.60	0.014	0.10	39.6	99.46
RC 97-6	10	15	4.9	0.6	45.9	4.82	0.011	0.082	0.31	0.014	0.05	42.8	99.43
RC 97-6	15	20	5.6	0.4	47.4	3.30	0.007	0.075	0.74	0.021	0.03	42.0	99.56
RC 97-6	20	25	3.4	0.4	50.6	1.42	0.003	0.078	0.21	0.012	0.03	42.8	98.99
RC 97-6	25	30	4.3	0.4	48.0	2.90	0.012	0.058	0.17	0.012	0.03	43.2	99.02
RC 97-6	30	35	7.5	1.5	46.5	2.35	0.013	0.204	0.49	0.014	0.10	41.0	99.69
RC 97-6	35	40	22.2	5.3	35.2	2.45	0.032	0.940	1.53	0.021	0.22	31.2	99.15
RC 97-6	40	45	21.0	4.7	38.1	1.45	0.019	0.709	1.12	0.022	0.17	32.4	99.71
RC 97-6	45	50	19.3	3.2	41.2	0.93	0.015	0.521	0.79	0.025	0.12	33.8	99.86
RC 97-6	50	55	14.5	4.5	42.0	2.04	0.022	0.745	1.33	0.023	0.20	34.0	99.44
RC 97-6	55	60	12.6	2.6	41.7	3.02	0.012	0.412	0.90	0.017	0.15	37.8	99.31
RC 97-6	60	65	8.1	0.9	46.5	2.35	0.009	0.118	0.36	0.013	0.07	41.0	99.51
RC 97-6	65	70	21.2	5.1	34.3	3.05	0.022	0.636	1.49	0.028	0.18	33.2	99.17
RC 97-6	70	75	19.9	4.9	36.7	3.02	0.023	0.780	1.54	0.034	0.17	32.2	99.25
RC 97-6	75	80	25.5	6.4	28.2	5.57	0.034	0.953	1.79	0.046	0.20	30.4	99.04
RC 97-6	80	85	30.8	7.9	27.4	3.53	0.038	1.374	2.12	0.034	0.23	26.2	99.64
RC 97-6	85	90	32.7	7.9	26.3	3.30	0.032	1.434	2.15	0.034	0.22	25.6	99.74
RC 97-6	90	95	19.5	5.1	35.8	4.19	0.054	0.807	1.54	0.030	0.18	32.6	99.73
RC 97-6	95	100	26.7	5.7	30.0	4.63	0.036	0.980	1.86	0.050	0.20	29.8	99.99

**APPENDIX B**  
**Graphic Drill logs**





HOLE NO.: B11097  
 DATE DRILLED: JUNE 23, 1997  
 LOGGED BY: RAD  
 PROJECT: BRAEBURN LIME

NORTHING:  
 EASTING:  
 ELEVATION:  
 DEPTH: 120'

DIP: -90'  
 AZUMITH: -  
 SIZE: 5 3/8"

INTERVAL (feet) FROM - TO	Fe <sub>2</sub> O <sub>3</sub> %	CaCO <sub>3</sub> %	SULPHIDES ALTERATION	COLOUR	POWDER COLOUR	FINES %	LOG	LITHOLOGY
0 - 5	0.8	78.1		GR. WHITE	WHITE	60		LIMESTONE FIRST 2.5' IN O/B
5 - 10	0.1	95.4		GR. WHITE	WHITE	60		LIMESTONE
10 - 15	0.4	92.2		GREY	WHITE	60		LIMESTONE
15 - 20	0.1	96.1		GREY	WHITE	60		LIMESTONE
20 - 25	0.3	92.9		GREY	WHITE	60		LIMESTONE
25 - 30	0.2	95.8		GREY	WHITE	60		LIMESTONE 29' COLOR DARKNESS
30 - 35	0.3	93.3		M. GREY	MED. GREY	60		LIMESTONE
35 - 40	0.3	94.2		DR. GREY	GREY	60		LIMESTONE
40 - 45	0.3	94.2		DR. GREY	GREY	60		LIMESTONE
45 - 50	0.1	94.3		DR. GREY	GREY	60		LIMESTONE
50 - 55	1.2	79.7		BLACK	DK. GREY	60		LIMESTONE
55 - 60	0.2	95.6		BLACK	DK. GREY	60		LIMESTONE
60 - 65	0.1	94.3		BLACK	DK. GREY	60		LIMESTONE
65 - 70	0.1	95.6		BLACK	DK. GREY	60		LIMESTONE
70 - 75	0.1	94.9		BLACK	DK. GREY	60		LIMESTONE
75 - 80	0.1	95.1		BLACK	DK. GREY	60		LIMESTONE
80 - 85	0.1	96.1		BLACK	DK. GREY	60		LIMESTONE
85 - 90	0.1	95.1		BLACK	DK. GREY	60		LIMESTONE
90 - 95	0.2	95.1		BLACK	DK. GREY	60		LIMESTONE
95 - 100	0.4	88.6		BLACK	DK. GREY	60		LIMESTONE
100 - 105	0.1	96.8		DR. GREY	WHITE	60		LIMESTONE
105 - 110	0.1	95.6		DR. GREY	WHITE	60		LIMESTONE
110 - 115	0.2	94.7		DR. GREY	WHITE	60		LIMESTONE
115 - 120	0.1	93.6		DR. GREY	WHITE	60		LIMESTONE







