ARIS SUMMARY SHEET

District Geologist, Prince George — Off Confidential: 89.08.10

ASSESSMENT REPORT 17989 — MINING DIVISION: Cariboo

PROPERTY: Toppergold
LOCATION: LAT 52 18 00 LONG 120 43 00
UTM 10 5796643 655697
NTS 093A07E
CLAIM(S): Topper,Topper 4-5
OPERATOR(S): World Cement Ind.
AUTHOR(S): Symonds, D.F.
REPORT YEAR: 1988, 38 Pages
COMMODITIES SEARCHED FOR: Gold,Silver,Lead,Zinc,Copper
GEOLOGICAL SUMMARY:

The property is underlain by Upper Triassic phyllites, schists and argillites of the Quesnel River Group. Trace values of gold and silver occur in quartz sweats and veins within the sedimentary rocks. Galena and sphalerite have been reported. Soil geochemistry shows significant multielement anomalies.

WORK DONE: Geochemical
HMIN 20 sample(s) ;AU,AG,PB,ZN,CU
SOIL 19 sample(s) ;AU,AG,PB,ZN,CU

LOG NO: 1115 RD

ACTION:

FILE NO:

GEOCHEMICAL REPORT

on the

TOPPERGOLD PROPERTY
Crooked Lake Area, Cariboo Mining Division

CLAIMS: Tip, Top, Topper, Topper #1-5, Jolly Jack

NTS: 93A/7
Latitude: 52° 18' North
Longitude: 120° 43' West

on behalf of

GRAND NATIONAL RESOURCES INC.
WORLD CEMENT INDUSTRIES INC.
905-626 West Pender Street
Vancouver, B.C., V6B 1V9

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,969

by

D.F. SYMONDS, B.Sc.(Geol.)

Burton Consulting Inc.
901-626 West Pender Street
Vancouver, B.C., V6B 1V9

November 8, 1988

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TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

1.0 INTRODUCTION

This report has been written on behalf of Grand National Resources Inc. and World Cement Industries Inc. It describes field work, including soil profile analysis and heavy mineral analysis which was carried out on the Toppergold property, located in the Cariboo area near Crooked Lake, B.C., during July and August of 1988 under the direct supervision of the author.

A statement of costs incurred directly as a result of the 1988 work program is included.

Recommendations are made for further work on the property. This cost statement was prepared by a representative of Grand National Resources Inc. and supplied to Burton Consulting Inc.

2.0 SUMMARY & CONCLUSIONS

The Toppergold property, consisting of 9 metric claims totalling 100 units is located near Crooked Lake in the Cariboo area of British Columbia. The property is held by Grand National Resources Inc. and World Cement Industries Inc. of Vancouver, B.C. Access to the property is by road from 100 Mile House, B.C. northeasterly via the Canim Lake/Hendrix Lake/McKusky Creek road network, a total distance of approximately 140.0 kilometres.

Prior to 1984 there does not appear to have been any work recorded on the claim area. In 1984 and 1985, geochemical soil sampling, rock chip sampling and geological mapping were carried out. Three zones of geochemically anomalous copper, zinc and silver with accessory lead and gold values were outlined with an "apparent regional extent inferred to be greater than 3 kilometres". These zones were interpreted as reflecting a mineralized stratigraphic horizon within black phyllites of the Upper Triassic Quesnel River Group.

Mineralization on the property consists mainly of trace values of gold and silver in quartz sweats and veins occurring within sedimentary rocks of the Upper Triassic Quesnel River Group. Galena and sphalerite mineralization has been reported within the quartz material.

During the 1988 field season, soil profile studies and heavy mineral sampling were carried out. A total of 5 sites were selected as representing the centre of a major anomalous area from the 1985 gold soil geochemistry. Samples were taken down the profile and were analysed using two techniques. Part of the sample was ground to -150 mesh and analsyed(as a rock sample would be) and the other part was screened to -80 mesh and treated as a normal geochemical sample. Results indicated that the bulk of the gold found in the soil is in the coarser fraction, and that the total grind to -150 mesh and subsequent analysis technique should be employed in future.

A total of 20 heavy mineral samples were taken from creeks draining the claim area. These samples were taken using a portable suction dredge/sluice box set-up. The samples were split into coarse and fine fractions and analysed separately. Several of the fine fraction samples were highly anomalous in gold, indicating the potential for lode gold deposits in the claim area.

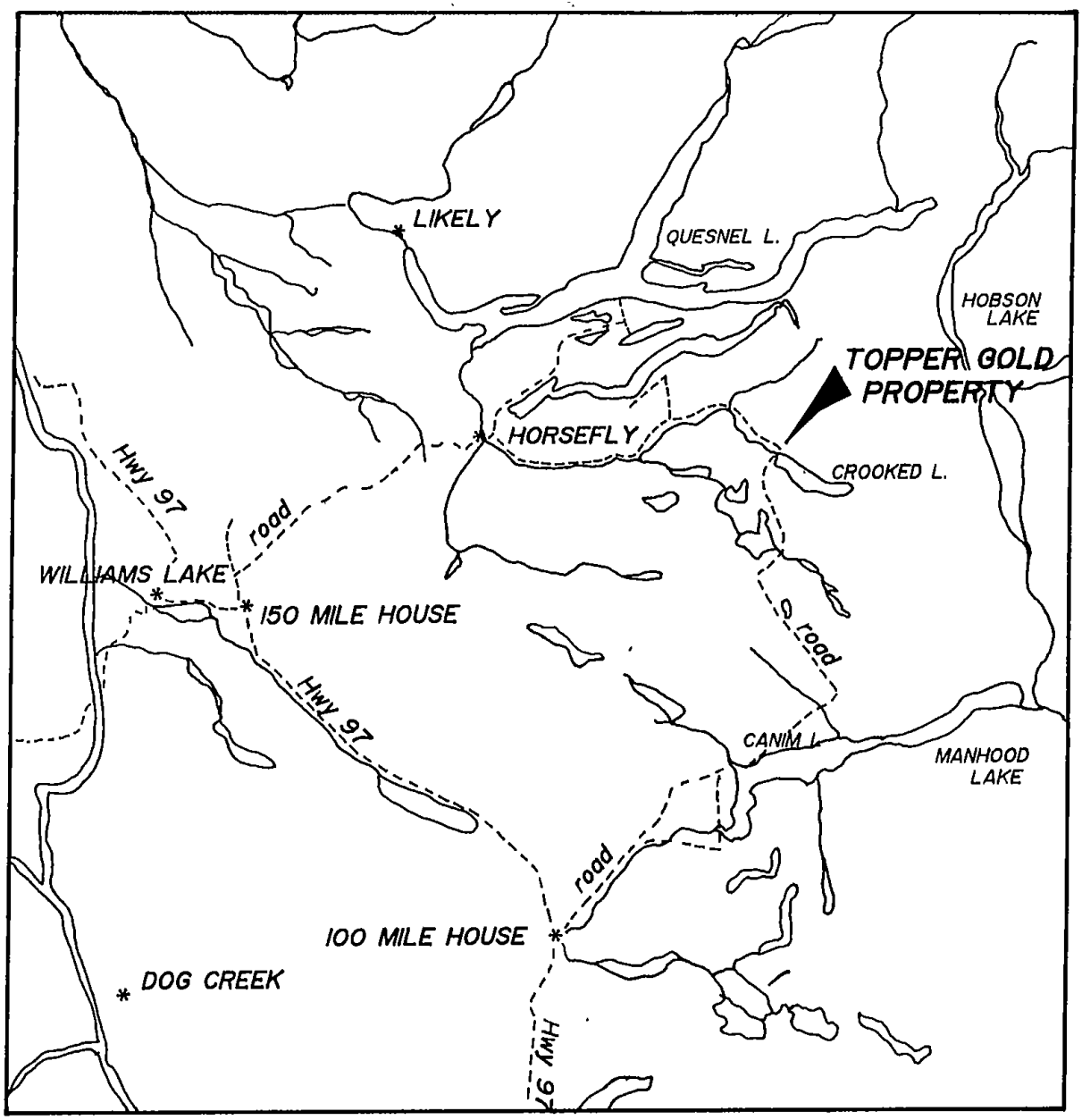
Recommendations are made for follow-up work further to the 1988 surveys. The area which has been examined by soil

profiles should be trenched and sampled using an excavator, in an attempt to determine the source of the gold in the soil. The anomalous drainages as detected by the heavy mineral sampling should be tested in more detail. Further heavy mineral sampling is needed in areas on the claims which have not yet been tested by any technique. This will provide a cost-effective method of prioratizing areas for follow-up work.

3.0 LOCATION & ACCESS

The Toppergold property is located immediately north and east of Crooked Lake, a small lake roughly 10.0 kilometres in length which drains into the Horsefly River and eventually into the Quesnel River/Fraser River drainage(see Figure 3-1).

Access to the property is by road from 100 Mile House on Highway 97. The turnoff to Canim Lake is taken easterly to Eagle Creek on the north side of Canim Lake, a distance of approximately 60.0 kilometres. At Eagle Creek, the turnoff to the Boss Mountain Mine area near Hendrix Lake is taken northerly for a distance of approximately 75.0 kilometres along the Canim Lake/Hendrix Lake road and the McKusky Creek roadto the west end of Crooked Lake. Access to the western end of the property can be gained by using logging road "K", which leaves the McKusky Creek forest road approximately 7.0 kilometres northwest of Crooked Lake. An old fire access road provides seasonal access to the Tip claim and to the northern end of the Topper #1 to #4 claims.



0 10 20 30 40 50 Kms.

SCALE

BDS/KM

GRAND NATIONAL RESOURCES INC.

LOCATION MAP

TOPPER GOLD PROPERTY

CARIBOO M.D. B.C.

BURTON CONSULTING INC.

SCALE	DATE	FIG.	NTS
NOTED	NOV 88	3-1	93A/7

4.0 CLAIM INFORMATION

The Toppergold property is located in the Cariboo Mining Division of British Columbia. The property is comprised of 9 metric claims totalling 120 units. The Topper Group consists of 8 mineral claims totalling 100 units. The 20 unit Jolly Jack mineral claim also forms part of the property. Claim information is as follows:

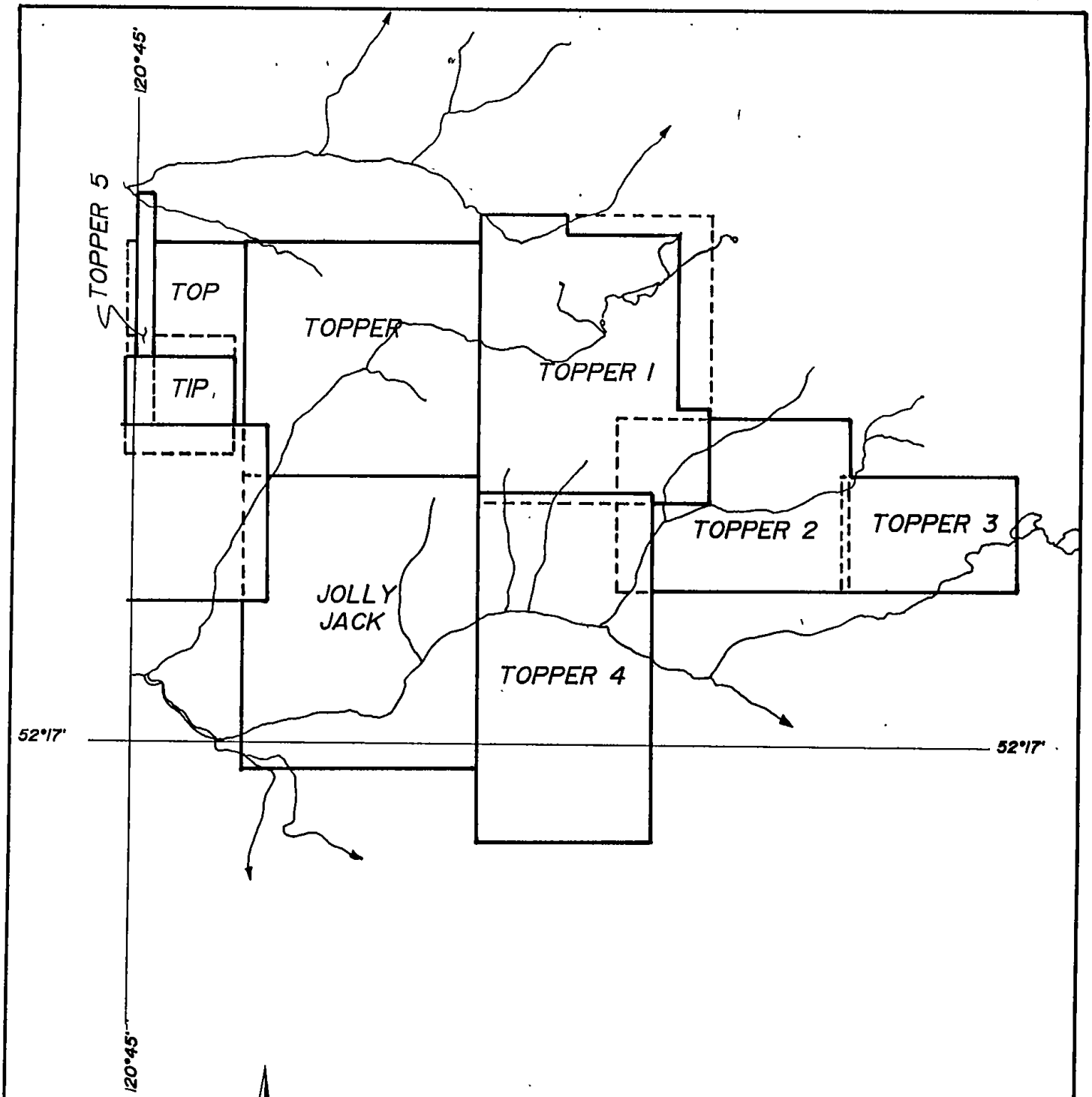
Topper Group

Claim Name	(# units)	Record #	Record Date	Expiry Date
Topper	(16)	4803	22AUG83	22AUG90 **
Topper #1	(20)	5097	22AUG83	22AUG90 **
Topper #2	(12)	5098	22AUG83	22AUG89 **
Topper #3	(6)	5099	22AUG83	22AUG90 **
Topper #4	(18)	7095	15AUG85	15AUG89 **
Topper #5	(16)	7229	28NOV85	28NOV90
Tip	(8)	6001	19APR84	19APR90
Top	(4)	6774	18MAR84	18MAR90
TOTAL	100 units		** = Pending acceptance of this report	

Ungrouped

Jolly Jack	(20)	4803	03MAY83	03MAY89

Claim information and location is shown in Figure 4-1.



BDS/km.

GRAND NATIONAL RESOURCES INC.

CLAIM MAP
TOPPER GOLD PROPERTY
CARIBOO M.D., B.C.

BURTON CONSULTING INC.

SCALE	DATE	FIG.	NTS
NOTED	NOV 88	4-1	93A/7

5.0 HISTORY & PREVIOUS WORK

Prior to the exploration programs carried out by Grand National Resources Inc. and World Cement Industries Inc. during 1984, there does not appear to have been any recorded work carried out on the claim area. During the 1984 and 1985 field seasons, geochemical surveys including "B" horizon soil sampling and rock chip sampling were carried out. Geological mapping at a scale of 1:25,000 was carried out. Three zones of geochemically anomalous copper, zinc, silver and accessory lead and gold values were outlined, with an "apparent regional extent inferred to be greater than 3 kilometres".

During 1984, a VLF-EM survey conducted on the Jolly Jack claim detected a number of anomalies. These anomalies were interpreted as relating to the graphitic nature of the phyllitic rocks in the area.

During 1985, geochemical surveys on the Topper Group were successful in extending and outlining a number of anomalous zones. Three broad zones have been located which have been called the West, Central and South anomalies. These zones are "defined by strongly anomalous geochemical silver, zinc and copper values with an accessory gold and lead association. The geochemical signature suggests a particular mineralized stratigraphic horizon within the underlying black phyllites. This would give the Topper property the potential to host a low-grade bulk-tonnage silver/base metal/gold deposit".

During 1986, geological mapping was carried out along road cuts and prominent ridges(1:2,500). Rock chip sampling of quartz sweats, veins and stockwork and all pyritic rocks along with further geochemical soil sampling and heavy mineral concentrate sampling at five localities was completed. Anomalous levels of silver and gold were found at several sites thought to be underlain by "knotty" phyllititic rocks. The "West" zone as outlined during the 1985 sapling program was confirmed and extended for 500 metres to the northwest.

6.0 GEOLOGY

The Toppergold property has been mapped geologically at a scale of 1:25,000 (Kregosky, 1984-85). The Upper Triassic formation of the Quesnel River Group is shown as four distinct units on the property(see Figure 6-1). These four units are:

1) Phyllites
2) Calcareous argillites and argillites
3) Phyllites, slaty argillites and schist
4) Chlorite sericite schist

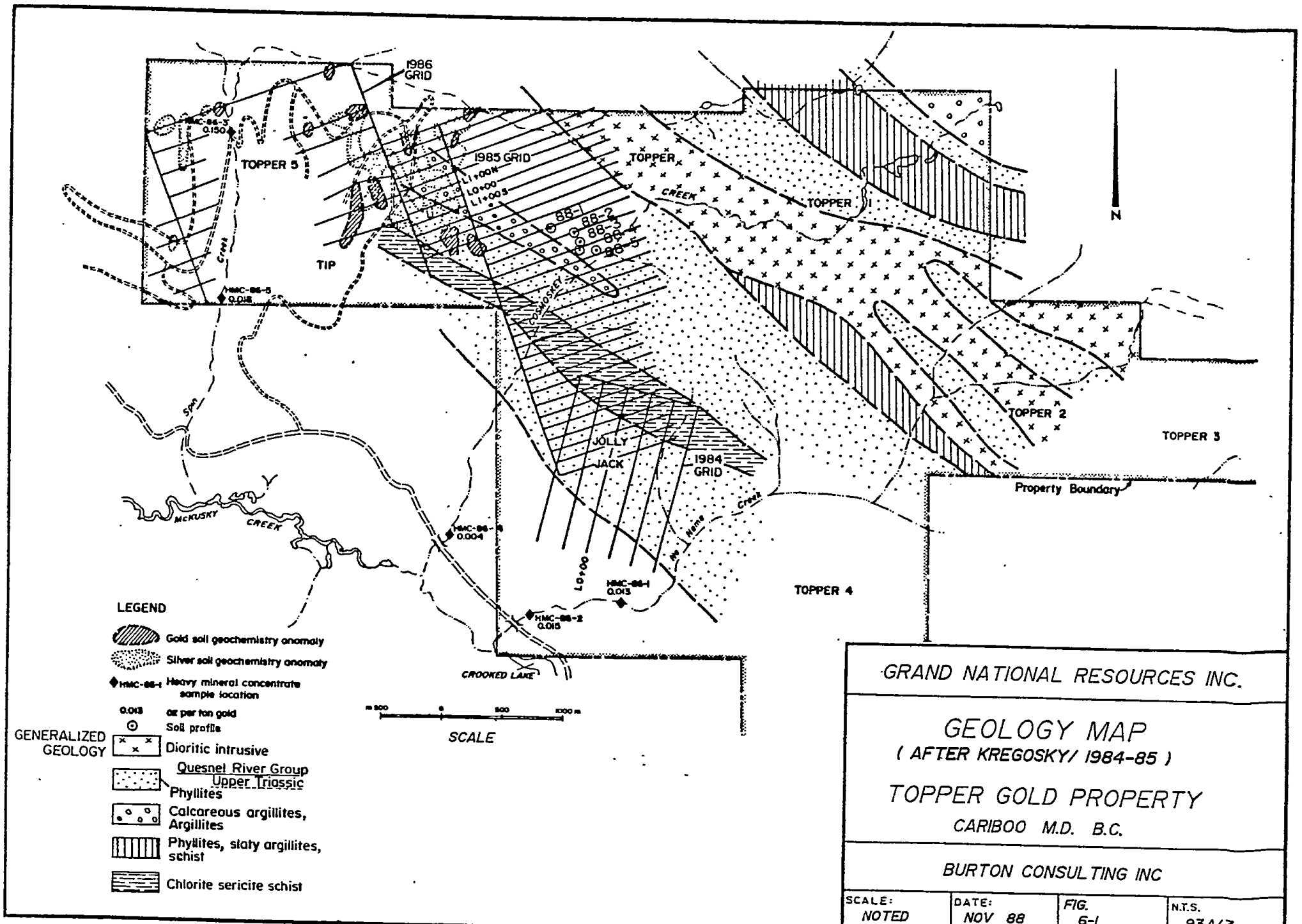
A dioritic intrusive of possible Triassic/Jurassic age has also been mapped on the property. These intrusive rocks are of interest as they are found to be associated with gold mineralization further north within the Quesnel Trough. The "QR" deposit of Dome Mines Ltd. contains over one million tons of ore grading 0.2 oz/ton gold. This ore occurs at the contact of an intensely propylitized package of basaltic calcareous fragmental volcanics and overlying sediments. A quartz-poor diorite stock which outcrops nearby is thought to be the heat source for fluids ' responsible for remobilizing the gold.

At several locations on the property a "knotty" or "knobby" phyllitic unit has been observed. This unit is similar in appearance to the rock which hosts gold-bearing quartz on the Frasergold property to the east. The "knotty" texture is caused by iron oxide or iron carbonate-stained blebs or porphyroblasts.

Volcanic rock units on the property were observed both interbedded as thin beds with the sediments and as massive beds. Extreme alteration makes the identification of original rock types difficult.

Contacts between the various rock units on the property trend generally northwest.

Mineralization on the property consists mainly of trace values of gold and silver in quartz sweats and veins occurring within the phyllites and other sediments on the property. Large pyrite cubes and fine-grained disseminated pyrite can be found in some of the quartz sweats. Galena and sphalerite mineralization has been reported within the quartz material. Significant multielement geochemical anomalies on the property would indicate that considerable surface leaching and depletion has taken place, and that samples of fresh, unweathered mineralized material should provide better results.



GRAND NATIONAL RESOURCES INC.

GEOLOGY MAP

(AFTER KREGOSKY/ 1984-85)

TOPPER GOLD PROPERTY

CARIBOO M.D. B.C.

BURTON CONSULTING INC

SCALE:	DATE:	FIG.	N.T.S.
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7.0 GEOCHEMISTRY

7.10 Soil Profiles

A total of 5 sites were selected from the 1985 gold geochemical map to be examined more closely. The locations of the soil profiles taken are shown in Figure 6-1.The purpose of this examination was to attempt to explain the high gold values in the soil. At each sample profile site, a large hole was dug as deeply as possible with a shovel and samples of each soil horizon were taken. Any rocks of interest found in the hole were taken for assay.

Each sample was placed in a gussetted kraft soil sample envelope and sent to Min-En Laboratories Ltd., 705 West 15th Street, North Vancouver, B.C. for analysis. The samples were split into two subsamples. One subsample was sieved to -80 mesh and the fine fraction was analysed. The other subsample was totally ground to -150 mesh and analysed. Both subsamples were analysed in a similar manner for gold, silver, lead, zinc and copper. Gold analysis was by fire assay with a wet atomic absorption finish and the silver, lead, zinc and copper analyses were acid digestion followed by multi-acid atomic absorption. Detection limits for the analyses of the two subsamples are as follows:

DETECTION LIMITS(-150 mesh total grind - treated as rock)

GOLD -	0.01 gm/tonne	(10 ppb)
SILVER -	0.1 gm/tonne	(0.1 ppm)
LEAD -	0.01 %	(100 ppm)
ZINC -	0.01 %	(100 ppm)
COPPER -	0.001%	(10 ppm)

DETECTION LIMITS(-80 mesh fraction)

GOLD -	5	ppb
SILVER -	0.0	ppm
LEAD -	0.1	ppm
ZINC -	0.5	ppm
COPPER -	1	ppm

The analytical results have been converted to common units for purposes of discussion(Gold - ppb, Silver - ppm, Copper - ppm, Lead - ppm, Zinc - ppm). Sample values at the detection limit are marked with an *.

Analytical results are shown in Appendix I. The soil profile results follow:

SOIL PROFILE 88-1

Original Grid Designation: 500N 550E
Original Site Depth(Est.): 6 - 10 cm.
Local Slope: 15° to North
Original Geochemical Value(Gold - ppb): 55

#	HORIZ.	FR.ANAL.	AU(ppb)	AG(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
88-1-1	A_H	-150	120	2.1	40	*100	200
88-1-1	A_H	-80	5	2.3	44	14	128
88-1-2	C	-150	70	3.8	50	*100	200
88-1-2	C	-80	5	2.3	58	17	137
88-1-3	C	-150	40	2.7	70	*100	200
88-1-3	C	-80	10	1.9	57	23	146
88-1-4	C	-150	60	2.4	60	*100	300
88-1-4	C	-80	5	2.6	77	18	175

* = detection limit
whole sample pulverized to -150 mesh

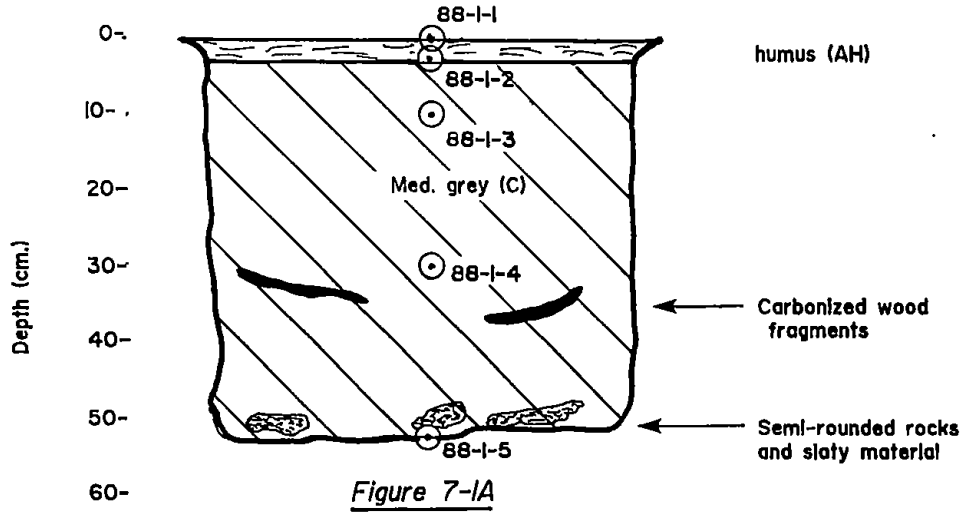


Figure 7-1A

SOIL PROFILE 88-2

Original Grid Designation: 400N 750E
Original Site Depth(Est.): 10 - 15 cm.
Local Slope: 10^{O} to North
Original Geochemical Value(Gold - ppb): 55

#	HORIZ.	FR.ANAL.	AU(ppb)	AG(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
88-2-1	A_H	-150	80	2.3	40	*100	*100
88-2-1	A_H	-80	5	1.8	18	11	49
88-2-2	A	-150	30	1.8	20	*100	*100
88-2-2	A	-80	5	1.4	15	9	42
88-2-3	B	-150	10	2.5	40	*100	200
88-2-3	B	-80	5	1.7	27	12	63
88-2-4	B	-150	20	2.6	60	*100	200
88-2-4	B	-80	5	1.8	45	16	103
88-2-5	C	-150	40	4.3	80	*100	*100
88-2-5	C	-80	100	3.1	58	14	110

* = detection limit
whole sample pulverized to -150 mesh

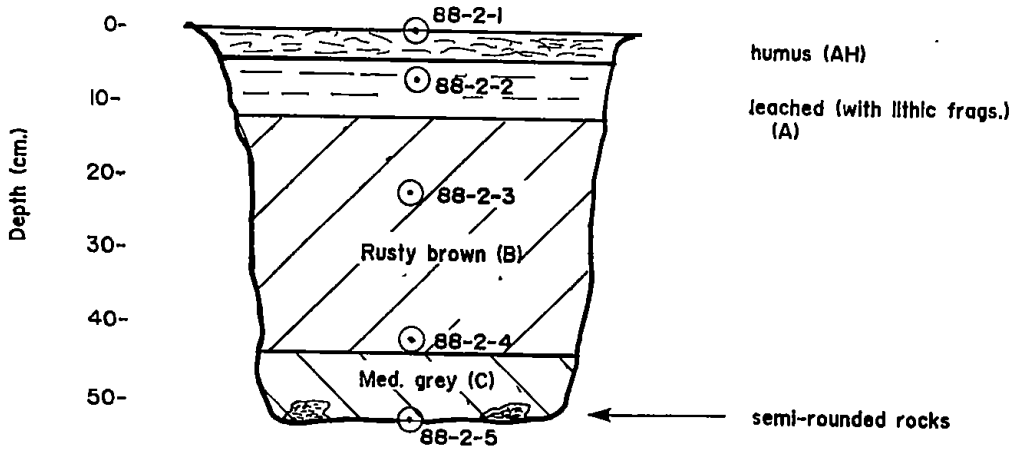


Figure 7-IB

SOIL PROFILE 88-3

Original Grid Designation: 400N 750E
Original Site Depth(Est.) 10 cm.
Local Slope: 5° to Northeast
Original Geochemical Value(Gold - ppb): n.a.

#	HORIZ.	FR.ANAL.	AU(ppb)	AG(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
88-3-1		qtz. rock	*10	0.4	*10	200	*100
88-3-2	A	-150	50	4.6	50	*100	*100
88-3-2	A	-80	5	4.2	37	13	101
88-3-3	B	-150	30	1.9	30	*100	*100
88-3-3	B	-80	10	0.7	17	8	56

* = detection limit
whole sample pulverized to -150 mesh

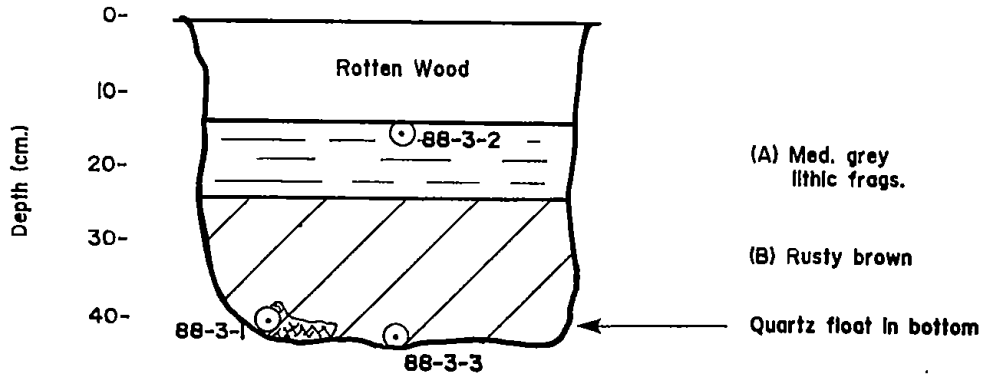


Figure 7-IC

SOIL PROFILE 88-4

Grid Location: 95 m. grid south from soil profile 88-3
Original Site Depth(Est.): 8 - 10 cm.
Local Slope: 3^{O} to Northeast
Original Geochemical Value(Gold - ppb): 275

#	HORIZ.	FR.ANAL.	AU(ppb)	AG(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
88-4-1		qtz. rock	*10	0.3	*10	*100	*100
88-4-2	A	-150	40	2.0	20	*100	200
88-4-2	A	-80	20	1.3	15	15	57
88-4-3	B	-150	30	3.6	50	*100	*100
88-1-3	B	-80	5	2.5	44	16	122

* = detection limit
whole sample pulverized to -150 mesh

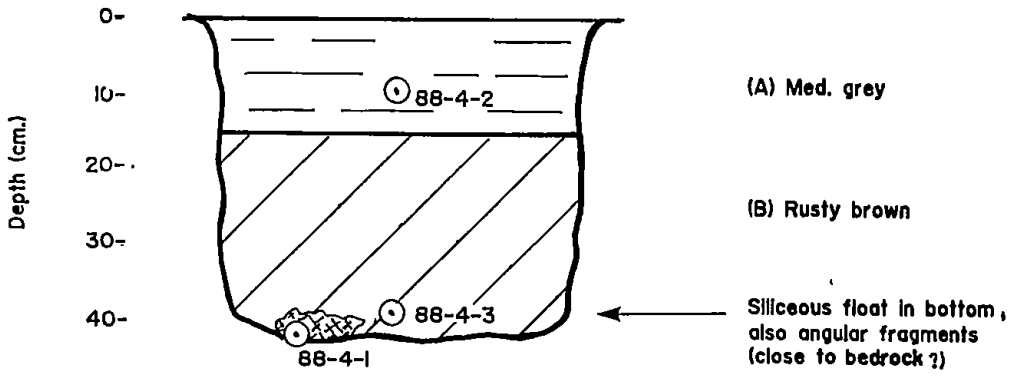


Figure 7-ID

SOIL PROFILE 88-5

Grid Location: 85 m. @ 115° from soil profile 88-4
Original Site Depth(Est.): 15 cm.
Local Slope: 13° to Northeast
Original Geochemical Value(Gold - ppb): 45

#	HORIZ.	FR.ANAL.	AU(ppb)	AG(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
88-5-1		qtz. rock	20	1.7	10	200	*100
88-5-2	A	-150	120	3.2	40	*100	*100
88-5-2	A	-80	5	1.5	37	19	95
88-5-3	B/C	-150	100	3.7	110	*100	200
88-5-3	B/C	-80	10	2.6	85	32	245

* = detection limit
whole sample pulverized to -150 mesh

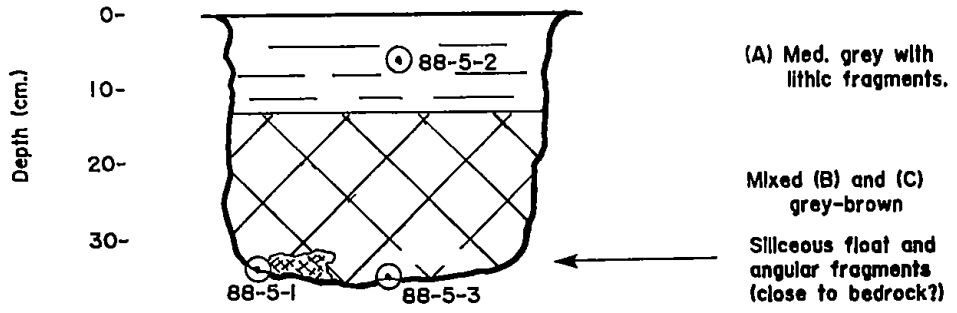


Figure 7-IE

The arithmetic average of 16 soil samples ground to -150 mesh and analysed for gold is 54 ppb whereas the arithmetic average of the same 16 soil samples screened to -80 mesh and analysed for gold is only 13 ppb. Only one of the -80 mesh fraction analyses was higher than the corresponding -150 mesh total grind and analysis. The fact that the most significant proportion of the gold values detected by geochemical soil sampling comes from the coarser than +80 mesh fraction could indicate that the source of the gold is largely either placer or that there is a source of lode gold nearby. The coarse gold is more likely to have been derived from a "mineralized shoot" rather than representing the background value of a favourable ore horizon.

The values obtained for silver, lead, zinc and copper from the -80 mesh analysis and the -150 mesh total grind analysis appear to be fairly uniform, considering the difference in detection limits between the analytical techniques used on the two fractions.

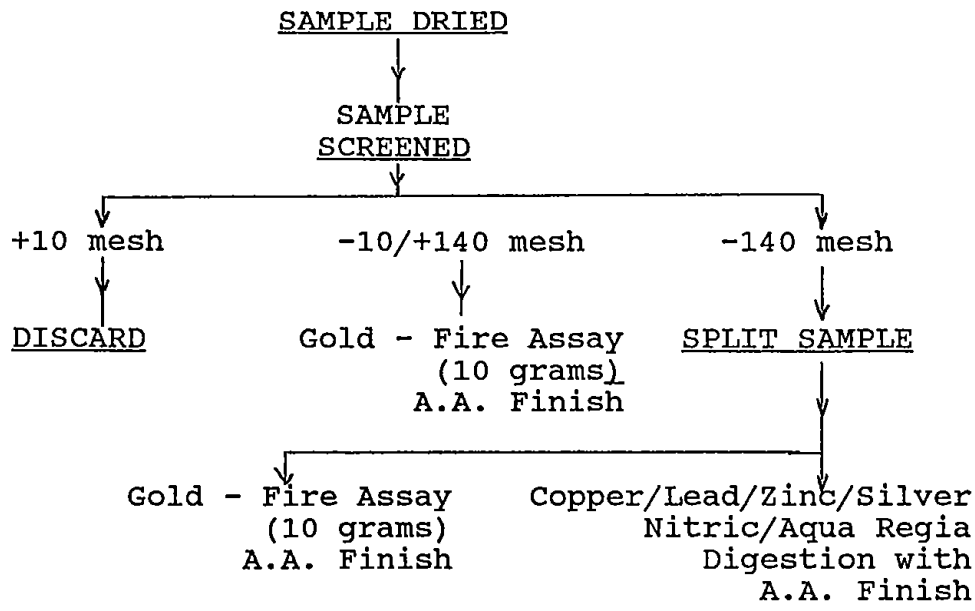
2.0 Heavy Mineral Sampling

Heavy mineral sampling was carried out at 19 sites on and around the claim area in an attempt to trace the source of the anomalous gold values detected by previous geochemical surveys. Sampling locations and results are shown in Figure 7-2 and the results are also shown in Appendix II.

A portable sluice box and pump/suction dredge were used to sample active drainages at a nominal 500 metre spacing. The sluice box was set up on the creek bank so that no reject material from the box would be put back in the creek. The suction hose was used to pick up stream deposits in a localized(usually 6.0 m^2) area. The method concentrates on picking up material from natural "traps" such as underneath stream boulders, in cracks and on inside curves in the stream.

About one hour is required at each sample site(once the site is reached) to dredge and sluice approximately 0.5 m^3 to 0.75 m^3 of material. The material which is trapped by the fine riffles and the matting in the sluice box is washed carefully into a large heavy poly bag, allowed to settle. Most of the water can then be poured off.

The samples were sent to Chemex Laboratories Ltd., 212 Brooksbank Ave., North Vancouver, B.C., V7J 2C1 where they were processed as follows:



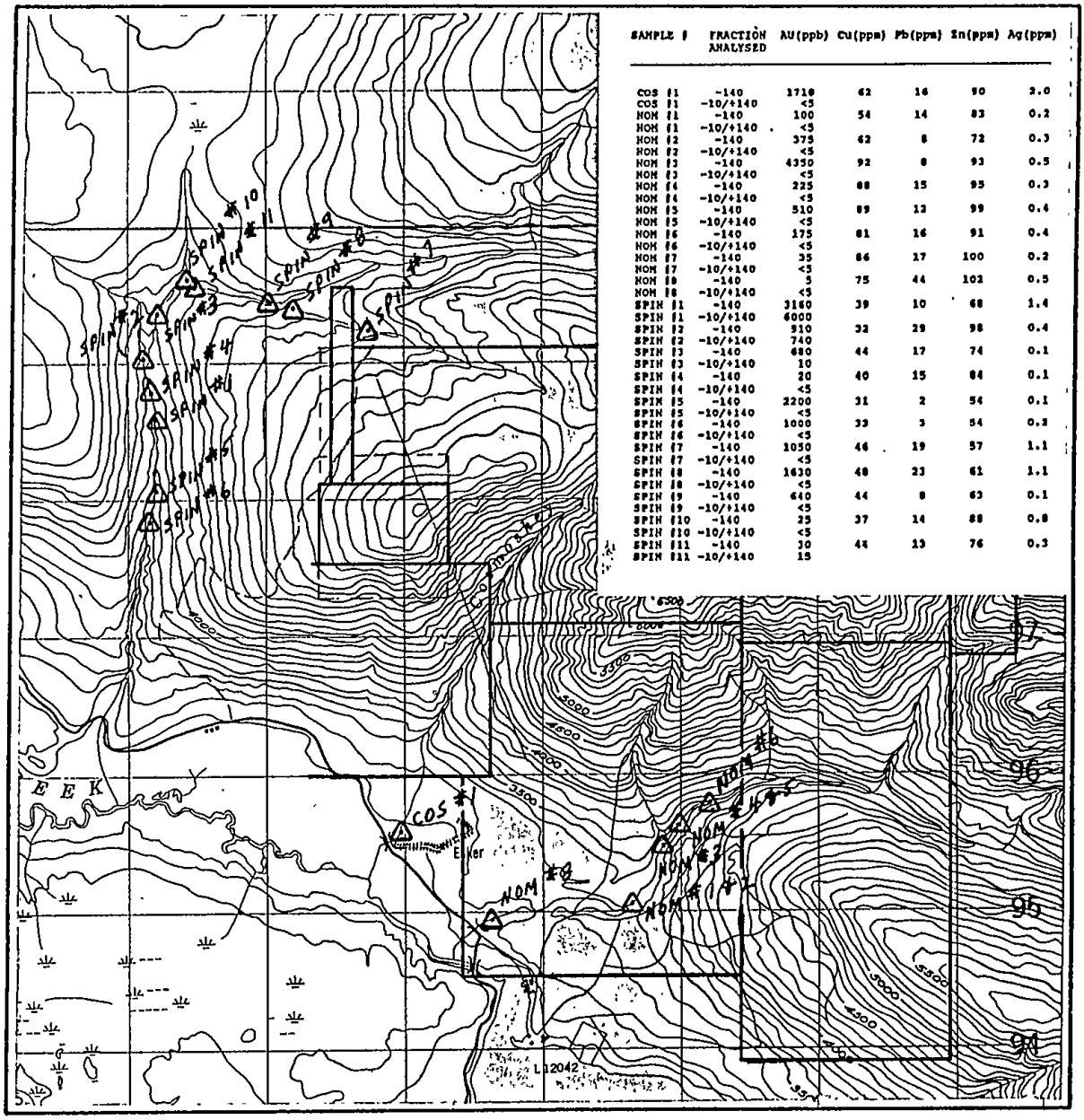
The detection limits for heavy mineral sample analysis were as follows:

Gold - 5 ppb
Copper - 1 ppm
Lead - 1 ppm
Zinc - 1 ppm
Silver - 0.2 ppm

Results of Heavy Mineral Stream Sampling

The arithmetic average value for 20 gold samples in the fine fraction was 942 ppb. The arithmetic average value for the corresponding coarse fraction was 342 ppb. The fine fraction most probably reflects gold being shed from a lode deposit whereas the few high values in the coarse fraction would indicate gold from a placer trap.

The creek(known locally as "Spin" Creek) which cuts through the Topper #5 claim has 8 samples with gold values greater than 500 ppb in the fine fraction. There are 2 high samples in the coarse fraction(Spin #1 & Spin #2) that most likely reflect placer traps. The single sample taken at the bottom of Cosmoskey Creek is anomalous(1710 ppb) in the fine fraction. Two of the samples taken on the creek draining the Topper #4 claim are anomalous in the fine fraction.



SAMPLE #	FRACTION ANALYSED	AU(ppb)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)
COS #1	-140	1710	62	16	90	2.0
COS #1	-10/+140	<5				
NOM #1	-140	100	54	14	83	0.2
NOM #1	-10/+140	<5				
NOM #2	-140	375	62	8	72	0.3
NOM #2	-10/+140	<5				
NOM #3	-140	4350	92	8	93	0.5
NOM #3	-10/+140	<5				
NOM #4	-140	225	88	15	95	0.3
NOM #4	-10/+140	<5				
NOM #5	-140	510	89	13	99	0.4
NOM #5	-10/+140	<5				
NOM #6	-140	175	81	16	91	0.4
NOM #6	-10/+140	<5				
NOM #7	-140	35	86	17	100	0.2
NOM #7	-10/+140	<5				
NOM #8	-140	5	75	44	102	0.5
NOM #8	-10/+140	<5				
SPIN #1	-140	3180	39	10	68	1.4
SPIN #1	-10/+140	6000				
SPIN #2	-140	910	32	29	98	0.4
SPIN #2	-10/+140	740				
SPIN #3	-140	680	44	17	74	0.1
SPIN #3	-10/+140	10				
SPIN #4	-140	20	40	15	84	0.1
SPIN #4	-10/+140	<5				
SPIN #5	-140	2200	31	2	54	0.1
SPIN #5	-10/+140	<5				
SPIN #6	-140	1000	33	3	54	0.3
SPIN #6	-10/+140	<5				
SPIN #7	-140	1050	46	19	57	1.1
SPIN #7	-10/+140	<5				
SPIN #8	-140	1630	48	23	61	1.1
SPIN #8	-10/+140	<5				
SPIN #9	-140	640	44	8	63	0.1
SPIN #9	-10/+140	<5				
SPIN #10	-140	25	37	14	88	0.8
SPIN #10	-10/+140	<5				
SPIN #11	-140	30	44	13	76	0.3
SPIN #11	-10/+140	15				

0 1000 2000 3000 Mètres

Scale 1:50,000

GRAND NATIONAL RESOURCES INC.

HEAVY MINERAL SAMPLE LOCATIONS

TOPPER GOLD PROPERTY

CARIBOO M.D. B.C.

BURTON CONSULTING INC.

SCALE:	DATE:	FIG.	N.T.S.
NOTED	NOV 88	7-2	93A/7

8.0 DISCUSSION & RECOMMENDATIONS

Results from the analysis of several soil profiles taken over areas previously sampled on the property and found to be anomalous geochemically indicate that any further geochemical analyses carried out should be done on a -150 mesh grind of the total sample. This will ensure that coarser gold is not missed in the samples. The areas which have been profiled should be tested using an excavator to find the source of the gold mineralization.

Analysis of heavy mineral samples taken on creeks draining the claim area indicate several anomalous values in the fine fractions as analysed for gold. These results indicate the potential for lode gold mineralization in these areas. Further heavy mineral sampling should be carried out with respect to these anomalous areas, to more closely define areas for for more detailed follow-up work. The untested portions of the claim block should also be tested using the heavy mineral sampling technique as a vehicle for prioratizing further exploration areas and targets.

9.0 COST BREAKDOWN

The following cost breakdown was prepared by a representative of Grand National Resources Inc. from information supplied in part by Burton Consulting Inc.

GRAND NATIONAL RESOURCES INC.

Suite 905 - 626 West Pender Street, Vancouver, B.C. Canada V6B 1V9 Telephone (604) 682-5648 Fax (604) 682-5649

TOPPERGOLD PROPERTY
CARIBOO MINING DIVISION/HORSEFLY B.C.

STAEMENT OF EXPENSES:

Break down of expenses incurred in carrying out work on the Topper,Topper 5-Top-Tip Claims from July 21 to August 2,1988.

Personel:

Supervisor; Alex Burton P.Eng., geologist 2 days $450.00 per day Report and drafting $600.00		$1,500.00
Field Geologist: D.F.(Doug)Symonds, B.Sc., $300.00 per day 7 days		2,100.00
Assaying and analyses		1,800.00 ←
Field manager: $150.00 per day 13 days		1,950.00
Field assistant: $100.00 per day 13 days		1,300.00
Boardand room at $70.00 per day 32/mandays		2,240.00
Truck rental 13 days at $100.00 per day		1,300.00
Truck rental 7 days at $100.00 per day		700.00
Mobilization and demobilization		400.00
Assaying and analyses		1,800.00 ←
Dredging Equipment 2 weeks at $300.00 per week		600.00
Field supplies		50.00
		$ 15,740.00

10.0 CERTIFICATE

I, Douglas Frederick Symonds, of 10081 - 120th Street, Surrey, B.C. do certify that:

1. I am a geologist and a graduate of the University of British Columbia(B.Sc.(Geol.), 1972).

2. I have practised my profession in Canada and the United States since 1972.

3. I have based this report on field work carried out under my direct supervision during July and August, 1988.

4. I have no personal interest, directly or indirectly in the property or securities of Grand National Resources Inc. or World Cement Industries Inc., nor do I expect to receive any such interest, directly or indirectly in any such property or securities.

Dated this 8th day of November, 1988 in Vancouver, B.C.

DOUGLAS F. SYMONDS, B.SC.(Geol.)
Geologist

APPENDIX I

MIN
•EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Analytical Report

Company: BURTON CONSULTING
Project: CARIBOO CROCKED LK.
Attention: D.SYMONDS

File: 8-1074
Date: AUGUST 10/88
Type: ROCK ASSAY

Date Samples Received : JULY 27/88
Samples Submitted by : D.SYMONDS

Report on .....16 SOILS..... Geochem Samples
.....
.....3..... Assay Samples
.....

Copies sent to:
1. BURTON CONSULTING. VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh .....-80..... Ground to mesh .....-150.....

Prepared samples stored:.....X..... discarded:.....
rejects stored:.....X..... discarded:.....

Methods of analysis:

CU PB ZN AG - ACID DIGESTION-CHEMICAL ANALYSIS.
AU - FIRE ASSAY.
GEOCHEM - CU PB ZN AG - MULTI ACID.A.A.
GEOCHEM - AU - WET.A.A.

Remarks

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ANALYSTS • ASSAYERS • ANALYTICAL CONSULTANTS

VANCOUVER OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE. (705) 264-9996

Certificate of ASSAY

Company: BURTON CONSULTING INC.
Project: CARIBOO CROOKED LAKE.
Attention: DOUG SYMONDS

File: 8-1074/P1
Date: AUG 9/88
Type: SOIL ASSAY

We hereby certify the following results for samples submitted.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
88 1 1	.004	.01	.02	2.1	0.06	.12	0.004
88 1 2	.005	.01	.02	3.8	0.11	.07	0.002
88 1 3	.007	.01	.02	2.7	0.08	.04	0.001
88 1 4	.006	.01	.03	2.4	0.07	.06	0.002
88 1 5	.010	.01	.01	3.9	0.11	.03	0.001
88 2 1	.004	.01	.01	2.3	0.07	.08	0.002
88 2 2	.002	.01	.01	1.8	0.05	.03	0.001
88 2 3	.004	.01	.02	2.5	0.07	.01	0.001
88 2 4	.006	.01	.02	2.6	0.08	.02	0.001
88 2 5	.008	.01	.01	4.3	0.13	.04	0.001
88 3 2	.005	.01	.01	4.6	0.13	.03	0.001
88 3 4	.003	.01	.01	1.9	0.06	.02	0.001
88 4 2	.002	.01	.02	2.0	0.06	.04	0.001
88 4 3	.005	.01	.01	3.6	0.11	.03	0.001
88 5 2	.004	.01	.01	3.2	0.09	.12	0.004
88 5 3	.011	.01	.02	3.7	0.11	.10	0.003

Certified by _____

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CHEMIST • ASSAYERS • ANALYSTS

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: BURTON CONSULTING INC.
Project: CARIBOO CROOKED LAKE.
Attention: DOUG SYMONDS

File: 8-1074/P1
Date: AUG 9/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-WET PPB
88 1 1	44	14	128	2.3	5
88 1 2	58	17	137	2.3	5
88 1 3	57	23	146	1.9	10
88 1 4	62	16	162	2.2	5
88 1 5	77	18	175	2.6	5
88 2 1	18	11	49	1.8	5
88 2 2	15	9	42	1.4	5
88 2 3	27	12	63	1.7	5
88 2 4	45	16	103	1.8	5
88 2 5	58	14	110	3.1	100
88 3 2	37	13	101	4.2	5
88 3 3	17	8	56	.7	10
88 4 2	15	15	57	1.3	20
88 4 3	44	16	122	2.5	5
88 5 2	37	19	95	1.5	5
88 5 3	85	31	245	2.6	10

Certified by _____

MIN-EN LABORATORIES LTD.

MIN
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LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMIST[illegible]

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: BURTON CONSULTING
Project: CARIBOO-CROOKED LK.
Attention: D. SYMONDS

File: 8-1074/P1
Date: JULY 30/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
88-3-1	.001	.02	.01	0.4	0.01	.01	0.001
88-4-1	.001	.01	.01	0.3	0.01	.01	0.001
88-5-1	.001	.01	.01	1.7	0.05	.02	0.001

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.

APPENDIX II

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: GRAND NATIONAL RESOURCES INC.

905 - 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TOPPER
Comments: ATTN: PETER WISHART CC: BURTON CONSULTING

Date :25-AUG-88
Invoice # :I-8820895
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8820895

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
COS #1 -10+140	217	---	< 5
NOM #1 -10+140	217	---	< 5
NOM #2 -10+140	217	---	< 5
NOM #3 -10+140	217	---	< 5
NOM #4 -10+140	217	---	< 5
NOM #5 -10+140	217	---	< 5
NOM #6 -10+140	217	---	5
NOM #7 -10+140	217	---	< 5
NOM #8 -10+140	217	---	< 5
SPIN #1 -10+140	217	---	6000
SPIN #2 -10+140	217	---	740
SPIN #3 -10+140	217	---	10
SPIN #4 -10+140	217	---	< 5
SPIN #5 -10+140	217	---	< 5
SPIN #6 -10+140	217	---	< 5
SPIN #7 -10+140	217	---	< 5
SPIN #8 -10+140	217	---	< 5
SPIN #9 -10+140	217	---	< 5
SPIN #10 -10+140	217	---	< 5
SPIN #11 -10+140	217	---	15

CERTIFICATION : Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: GRAND NATIONAL RESOURCES INC.

905 - 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TOPEER
Comments: ATTN: PETER WISHART CC: BURTON CONSULTING

Date : 8-SEP-88
Invoice # : I-8821976
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821976

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
COS #1 -140	214	--	1710
NOM #1 -140	214	--	100
NOM #2 -140	214	--	375
NOM #3 -140	214	--	4350
NOM #4 -140	214	--	225
NOM #5 -140	214	--	510
NOM #6 -140	214	--	175
NOM #7 -140	214	--	35
NOM #8 -140	214	--	5
SPIN #1 -140	214	--	3160
SPIN #2 -140	214	--	910
SPIN #3 -140	214	--	680
SPIN #4 -140	214	--	20
SPIN #5 -140	214	--	2200
SPIN #6 -140	214	--	1000
SPIN #7 -140	214	--	1050
SPIN #8 -140	214	--	1630
SPIN #9 -140	214	--	640
SPIN #10 -140	214	--	25
SPIN #11 -140	214	--	30

CERTIFICATION : Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: GRAND NATIONAL RESOURCES INC.

905 - 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TOPPEER
Comments: ATTN: PETER WISHART CC: BURTON CONSULTING

Date :23-AUG-88
Invoice # :I-8820894
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8820894

SAMPLE DESCRIPTION	PREP CODE		Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
COS #1 -140	202	--	62	16	90	2.0
NOM #1 -140	202	--	54	14	83	0.2
NOM #2 -140	202	--	62	8	72	0.3
NOM #3 -140	202	--	92	8	93	0.5
NOM #4 -140	202	--	88	15	95	0.3
NOM #5 -140	202	--	89	12	99	0.4
NOM #6 -140	202	--	81	16	91	0.4
NOM #7 -140	202	--	86	17	100	0.2
NOM #8 -140	202	--	75	44	102	0.5
SPIN #1 -140	202	--	39	10	68	1.4
SPIN #2 -140	202	--	32	29	98	0.4
SPIN #3 -140	202	--	44	17	74	0.1
SPIN #4 -140	202	--	40	15	84	0.1
SPIN #5 -140	202	--	31	2	54	0.1
SPIN #6 -140	202	--	33	3	54	0.2
SPIN #7 -140	202	--	46	19	57	1.1
SPIN #8 -140	202	--	48	23	61	1.1
SPIN #9 -140	202	--	44	8	63	0.1
SPIN #10 -140	202	--	37	14	88	0.8
SPIN #11 -140	202	--	44	13	76	0.3

CERTIFICATION : Hart Bichler

APPENDIX III

REFERENCES

1. Kreegosky, R.;"Geochemical Report on the Topper Group";Private(Assessment) Report on behalf of Grand National Resources Inc. & World Cement Industries Inc.;September 6, 1985

2. Borovic, I.;"Report on the Mineral Exploration of Jolly Jack-Topper Properties";Private Report on behalf of Grand National Resources Inc.;August 30, 1984.

3. Borovic, I.;"Report on the Mineral Exploration of the Topper and Kero Projects";Private Report on behalf of Grand National Resources Inc.;August 18, 1987.

4. Freeze, J.C.;"Report on the Topper Property";Private Report on behalf of World Cement Industries Inc.;May 5, 1987.