

7676

Box 9

GRAYROCK MINES PROSPECT  
(Update on 1981 Drill Core Sampling)

NTS 92J 15/E

J.J. McDougall

February/82



FALCONBRIDGE NICKEL MINES LIMITED

6415 - 64th Street, Delta, B.C., Canada V4K 4E2

Tel. (604) 946-0441

Telex 04-357583

Mr. Chittenden

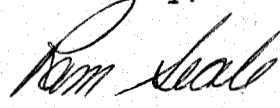
Dear Mr. Chittenden

I enclose a copy of a short report on your Grayrock Core which we sampled recently. We did not split the core but selectively sampled it, marking the space that the specimens (as reported in drill logs) were taken from. Would you please make certain that Jack Crowhurst has a chance to see it.

It's hard to come to any new conclusions regarding the property as there are still too many unknowns. Someone should drill through to the contact sometime but I don't think Falconbridge wants to become involved at this time.

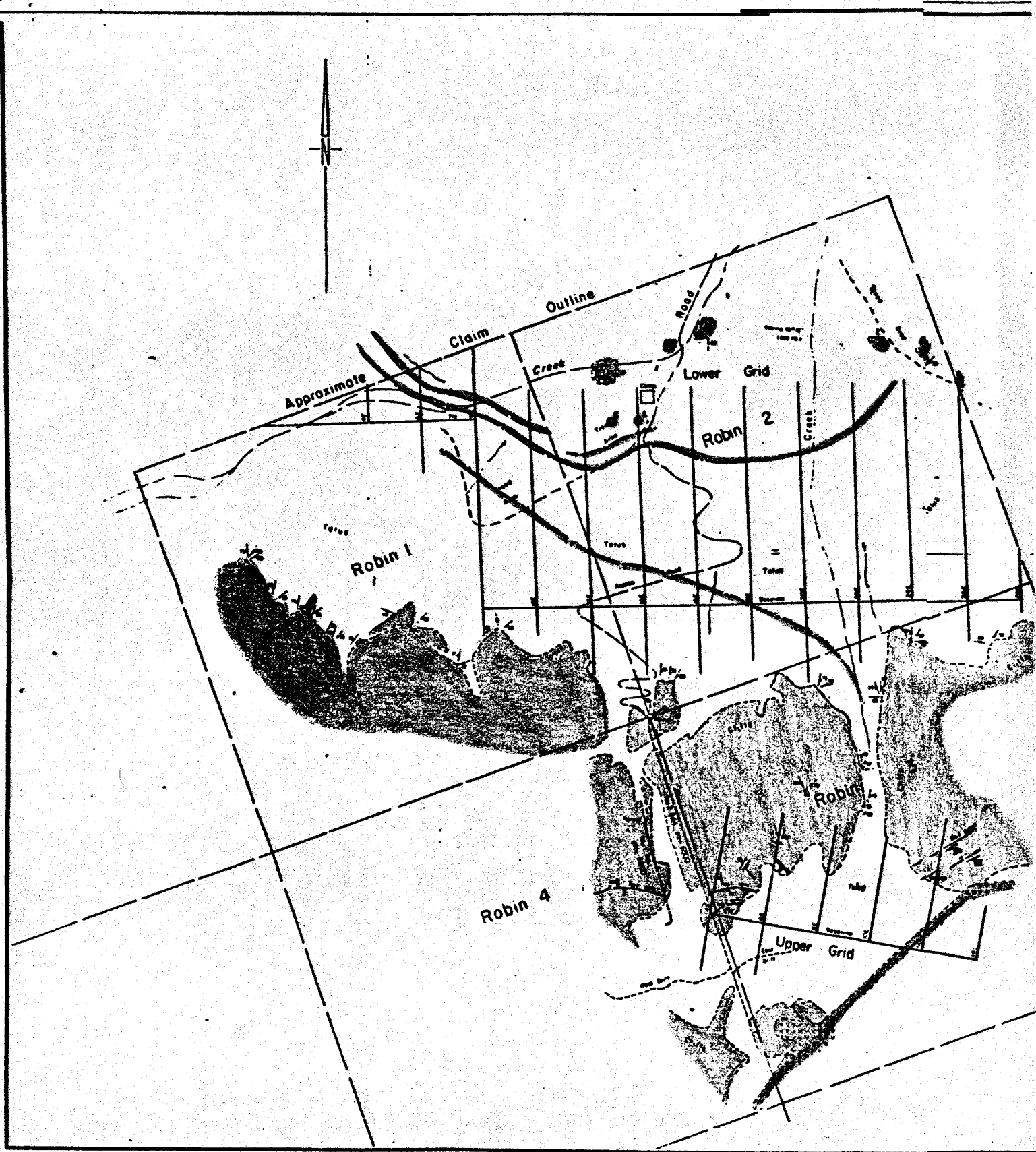
The four core boxes are still at our Delta Warehouse. Thankyou for bringing them to our attention.

Yours truly,

*for*   
J.J. McDougall

JJM/ps

cc: J. Crowhurst  
W.D. Harrison  
J.B. Gammon *gbr*



GRAYROCK MINES PROSPECT  
(Update on 1981 Drill Core Sampling)

NTS 92J 15/E

February, 1982



J.J. McDougall

TABLE OF CONTENTS

INTRODUCTION AND HISTORY.....1  
LOCATION AND ACCESS.....2  
ASSAYS.....2  
CORE LOGS.....4  
RESULTS.....4  
CONCLUSIONS.....5  
RECOMMENDATIONS.....5  
REFERENCES.....6

FIGURES

Figure 2/81 Assays shown by J. Crowhurst.....2  
Figure 1/81 Map of Geology, Location of DD Holes..3

APPENDIX

Assay report by Zortman & Landusky  
Diamond Drill Record for Hole #1  
Diamond Drill Record for Hole #2  
Min-En Laboratories Ltd. Certificate of Assay

INTRODUCTION AND HISTORY

The Grayrock Prospect is located at the head of Truax Creek in the Bridge River (Bralorne) area of B.C.. It has been described in several reports prepared in this office, the most complete of which was a compilation by Barry Manchuk dated 1976. During that year, Falconbridge had carried out a 2 week examination which included a few geophysical lines run by S. Presunka. Resulting targets were not followed up by FNML. A Mr. "Curly" Chittenden, who is now president of Grayrock, reportedly became aware of "some 1981 diamond drilling done mistakenly on Grayrock but believed to be part of another property." The location of the work, well within claims held for several years by Grayrock, coincided approximately with Presunka's EM 16 anomaly which was shown on assessment work filed during the earlier program.

Mr. Jack Crowhurst, earlier involved with Grayrock, was asked in late 1981 to look at the core. A few specimens were taken and assayed, one of which returned low gold values. Mr. Crowhurst suggested that we (FNM) have a better look at the core and the writer sampled a few short sections of the one 25 ft core tray made available. In late January, 1982, three other core trays were made available and logged as best possible by FNM. The writer sampled a number of additional sections at this time.

This report is a preliminary compilation involving recent assaying of the core. Little is known of the drilling more than is presented on the logs, although such could probably be obtained from Mr. Chittenden. Our purpose was to sample representative sections of the core on behalf of Grayrock Mines, and the resulting assays are included.

LOCATION AND ACCESS

The reported location of the drill holes involved is on Robin #2 located M.C. which is situated near the head of Truax Creek in the Bridge River Area. The location is about 20 miles by poor road east of Gold Bridge in the Bridge River Valley (Fig 1/82), and the drill collars as shown straddle the steep mine access road near the base of the main talus slide. As plotted, they would appear to be a few tens of feet north of Presunka's two most northerly conductors(crossovers) and may have been designed to intersect targets suggested.

There is no information as to the attitude of the drill holes. Mr. Chittenden thinks they may have been vertical, even though the Grayrock veins dip southerly.

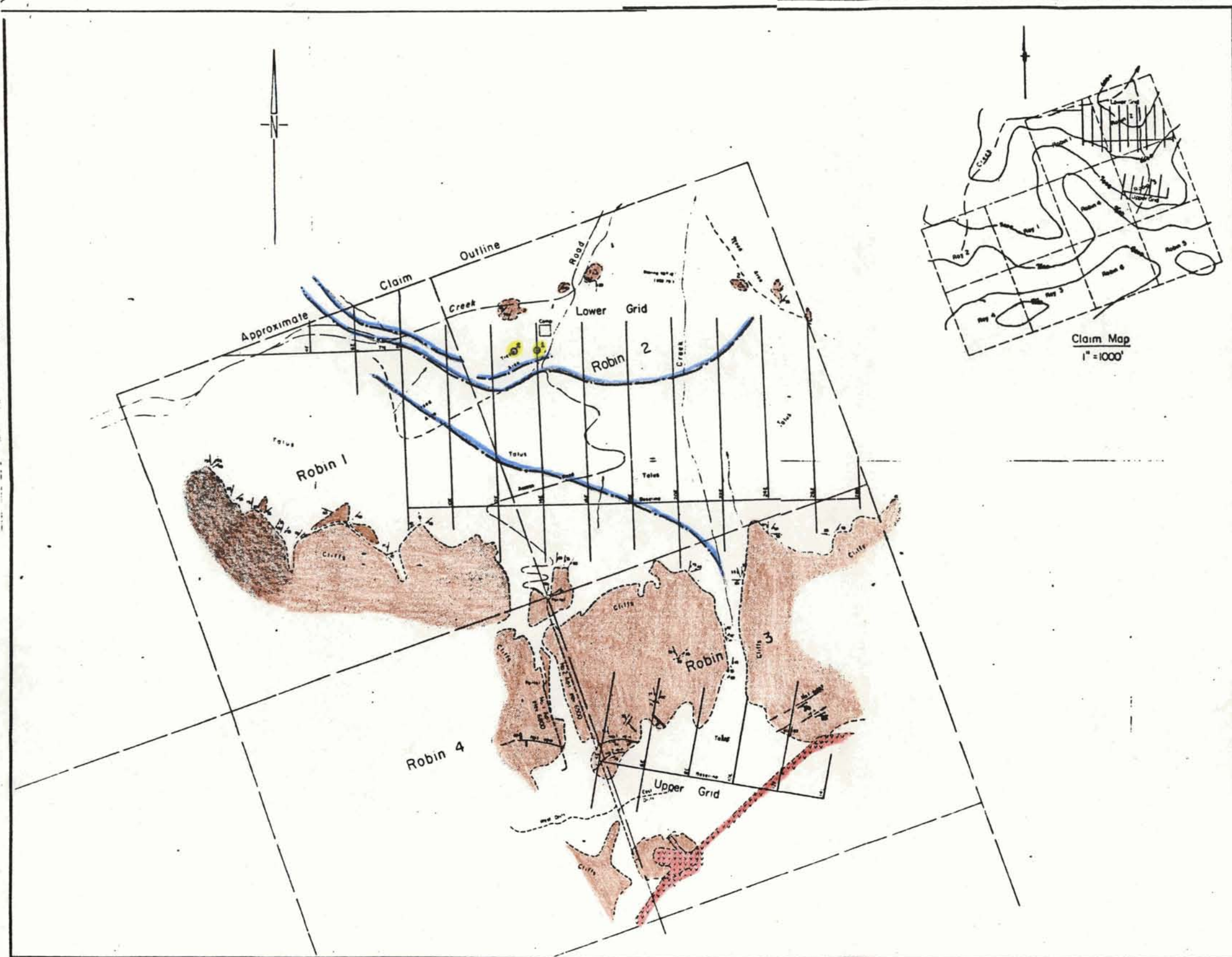
ASSAYS

Fig 2/81 depicts assays shown by J. Crowhurst (original in Appendix). These samples were analyzed geochemically and converted to ounces and percent.

Fig 2/81

#	LOCATION	DESCRIPTION	Au oz/t	Ag oz/t	Mn %	Cu %	Zn %	Fe %
43330	Hole #1, 62.5 ft	2 specimens of core	0.01167	Tr	0.076	0.004	0.0167	10%
43331	Hole #2, 55.0 ft	2 specimens of core	0.0058	0.058	0.038	0.012	0.011	8.15%

Samples of DDH #1, assayed by JJM in October, 1981, are numbered 39401-403 (incl) in the logs included, and those taken in 1982 are numbered 10457 & 10460 (incl) and 10462.



- Talus
- Metasediments: graywacke, tuff, minor flow, minor conglomerate
- Granodiorite
- Granodiorite dyke
- Joints
- Survey Station
- D.D. Holes
- Dip-16 indicator

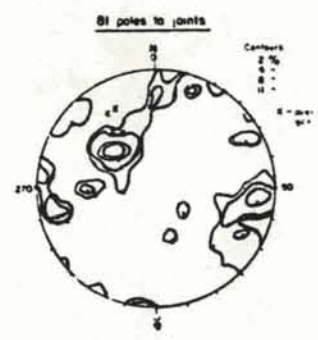


FIG. 1/82  
GREY ROCK PROPERTY  
GEOLOGY.  
LOCATION OF D.D. HOLES.  
Reduced  
Scale approx. 1cm. = 200 ft  
1:6000



CORE LOGS

Logs involving the 4 boxes of core submitted are enclosed (3pp) and include assay results of certain sections believed to be representative of the intersections involved.

Recent assaying was done by fire methods (F) and earlier work was by geochem (AA) designated by (G).

RESULTS

A summary by T. Chandler (Feb 9, 1982) is presented:

6415 - 64th Street, Delta, B.C.

INTER-OFFICE MEMORANDUM

DATE: February 9, 1982

TO: J.J. McDougall

COPIES TO:

FROM: T. Chandler

SUBJECT: Grayrock Property, Robin Claims, DDH 1 and 2

Logs are attached for the core submitted from holes 1 and 2 on the Robin 2 claim. Both holes are incomplete and no attitudes or final depths were given. The core examined appears to be highly deformed meta-quartzite or wacke with rusty weathering sericite in streaky fg bands and as matrix around brecciated fragments. Minor disseminated py with lesser po occurs throughout but no ore minerals were observed. Dark, vfg slightly magnetic deformed bands occur sporadically in both holes. Carbonate occurs only rarely within narrow Qtz. veinlets. The degree of deformation and brecciation might indicate proximity to a major fault zone.

Fig 1 shows the inferred grid location of the holes on B. Manchuk's 1977 base map. The holes were presumably drilled to test the best EM-16 conductor discovered during S. Presunka's 1976 survey which had a weak coincident mag trend. It is possible that the conductor represents a shear zone within weakly magnetic meta sediments and was intersected. However if the conductive zone dips southerly in parallel with the known mineralized veins then the holes may not have fully tested the anomaly. No further interpretation is possible without knowledge of the depth, direction and dip of the holes.

RESULTS (contd)

As logged, the core of the 4 boxes (100 feet) presented is a monotonous sequence of sheared or schistose marble-textured metasediment. The rock is probably a fault-affected contact assemblage near an intrusive which was not intersected. Fine grained pyrite and some pyrrhotite occur weakly disseminated throughout the more common phase, described as "a strongly fractured micaceous (muscovite/sericite) and siliceous fine grained quartzite/wacke."

It is probable that the gold values obtained are related to the sulphides present. Veins similar to those antimony-silver bearing ones on which development has taken place appear not to have been intersected. If the V.L.F. (EM16) crossover anomaly represents a vein paralleling the known system, and the drill holes were steep, an intersection would be impossible. It must also be cautioned that the location of the crossover may not be too accurately shown on the map, although it was marked by ribbon during the survey.

CONCLUSIONS

Assay values (1982) approximate those obtained earlier by J. Crowhurst and the writer. The maximum of 0.018 oz is anomalous but is still short of being of economic interest directly. Without knowing the orientation and total length of drilling done, additional comment is of little significance.

RECOMMENDATIONS

As earlier stated, the Grayrock prospect is located within the same general geological locale as Bralorne, and any vein structures within the zone need careful appraisal.

REFERENCES      (FNM FILES)

- 1) GENERAL FILE    Ref. # 7665  
NTS 92J/15E  
Grayrock (Bellore) Ag, Sb  
Traux Cr. Bridge River Dist.
  
- 2)                    Ref. # 7665  
Report on Grayrock Property  
Robin 1-6, Roy 1-4 M.C.  
Lillooet M.C. Physical Work, Geophys.  
& Geochem Surveys, Aug 14-15,  
Aug. 24 - Sept. 7, 1976  
by: B. Manchuk
  
- 3)                    Ref. # 7667  
Grayrock Assessment Report  
Robin 1-6, Roy 1-4 M.C.  
Lillooet M.C. Physical Work, Geophys.  
& Geochem Surveys, Aug 14-15  
Aug. 24, Sept. 7, 1976  
by: B. Manchuk & I.L. Elliott

APPENDIX

# ZORTMAN & LANDUSKY

## Metallurgy Laboratory

P. O. Box 57 • Zortman, Montana 59546

Assay Report: JERRY MAY Date: 10-7-81

Property: CORE SAMPLES Charge No: \_\_\_\_\_

Type Sample: GRAY ROCK ORE DRILLING Assayed By: LJK

Location: \_\_\_\_\_

Manganese Copper Zinc Iron

Lab. No.	Sample No.	Description	oz/t Au	oz/t Ag	oz/t Mn	oz/t Cu	oz/t Zn	oz/t Fe
*43330	T	"B" CORE (HOLE #1)	.01167	Tr	22.17	1.25	9.78	291
					0.076%	0.004%	0.016%	100%
		"D" CORE OLE # 2	.0058	.058	11.08	3.38	5.12	237
					0.038%	0.012%	0.01%	
								Factor = 29,166 ozs/ton (8.15%)

3 OCT 81

7N. ORE - Hole # 2

(A) Specimen taken by JLC @ 39.4 approx

(B) Specimen taken by JLC @ 55' 2' base, Hole No # 2

(C) Specimen taken by JLC @ 62 1/2' Hole No #

JOHN B. GAMMON, B.Sc., Ph.D., M.I.M.M.  
Exploration Manager



FALCONBRIDGE NICKEL MINES LIMITED  
6415 - 64th Street  
Delta, B.C. Tel. 604/946-0441

\* Sample Size, 1 gram

Assay Charges ...  
Sample Preparation ...  
Total ...

NORTH 7N STARTED \_\_\_\_\_  
 EAST 14E COMPLETED \_\_\_\_\_  
 ELEV. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 BEARING \_\_\_\_\_  
 DIP \_\_\_\_\_

# FALCONBRIDGE DIAMOND DRILL RECORD

PROPERTY  
Grayrock 92/J 15E

PURPOSE Investigate HOLE No. 2  
EM 16 conductor (?) CLAIM Robin 2  
north of known vein SECTION \_\_\_\_\_  
 LOGGED BY TC OFFSET \_\_\_\_\_  
 PLOTTED \_\_\_\_\_

## AQ DRILLING

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	C.L.	Au oz/t	Ag oz/t		
	- incomplete hole submitted to J.J. McD. Logged per request.							
11- 61(??)	- Highly contorted occasionally brecciated fg cherts and wackes, fragmented with seams and bands of semi-schistose fg dark brown weathering sericite mica + dissem py/po enclosing blocks of the hard siliceous rock. V. faint x cutting fractures of Qtz. Rare carbonate in 2cm x cutting Qtz. vein at 56.4 ± greenish micaceous mineral (fuchsite?). Micaceous + fg groundmass has sub=schistose fabric - irregular but averages 25-30° to core axis. Occ dark vfg aphanitic siliceous seams are magnetic poss due to fg included magnetite (?)	10458	16' - 18' (F)		0.018	0.01		
		10459	22' - 24' (F)		0.004	0.02		
		10460	36' - 38' (F)		0.002	0.01		
		10462	43' - 45' (F)		0.002	0.01		
	AS MARKED ON THE BOXES AVAILABLE, CORE RECOVERY APPEARS TO HAVE BEEN EXCELLENT.							

HOLE No. 2



NORTH 7N STARTED Unknown  
 EAST 14E COMPLETED Drilled in '81  
 ELEV. 6000' I LENGTH \_\_\_\_\_  
 BEARING probably southerly  
 DIP probably -45° plus

# FALCONBRIDGE

## DIAMOND DRILL RECORD

PROPERTY

Grayrock 92/J 15E

AQ DRILLING

PURPOSE Investigate  
EM conductor (?)  
north of known vein  
 LOGGED BY T.C.

HOLE No. 1  
 CLAIM Robin 2  
 SECTION \_\_\_\_\_  
 OFFSET \_\_\_\_\_  
 PLOTTED \_\_\_\_\_

FOOTAGE	DESCRIPTION	SAMPLE	FOOTAGE	Sb	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppb
	Little or no info re: location, elevation, attitude, depth, etc. of hole. Hole #1 apparently consists of 4 boxes, only 2 of which are present. Available core logged at request of JJM.							
36? - 36.5	Light green to dark gray fragmental-highly silicified. Probably agglomerate or coarse metaconglomerate. Minor dissem. py at lower contact w following rock.							
36.5 - 81.4	Light gray to mottled gray brown siliceous unit. Strongly sheared and brecciated. Rock is primarily a strongly fractured fg quartzite/wacke which has undergone severe deformation & shearing. Fg streaky brown groundmass enclosing fragments of above or as streaky schistosity is mostly vfg sericite/muscovite weathering to pale rusty colour. Dissem. potpy occurs							
		10461	40 - 45 (F)				0.03oz	0.004c
		10451	58- 63 (F)				0.05oz	0.01oz
		39401*	60 - 65 (G)		-	234	0.3	ND
		39402*	66 - 69 (G)	ND	19	141	0.4	5



