

Property File  
092L 214

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DON TULLY ENGINEERING LTD.  
SUITE 1205, 555-13TH STREET  
WEST VANCOUVER, BRITISH COLUMBIA  
V7T 2N8

92L/02W  
RECEIVED JAN. 10

January 4, 1990

LOG NO: 01.10.90	K1
ACTION:	
FILE NO:	

Mr. Peter Fischl, B. Sc.  
B. C. Ministry of Energy, Mines and  
Petroleum Resources

3rd Floor  
756 Fort Street  
Victoria, B. C.  
V8W 3A3

Dear Sir :

Re : Your telephone request Jan. 2/90  
Industrial Minerals  
R. F. Kent re Central Zeballos Mine

Mr. Kent commissioned me to log the core of five diamond drill holes drilled near the portal of the 9th (Main Crosscut) Level of the former Central Zeballos Mine late in March, 1982. The logs of these holes are attached herewith and summarized as follows -

<u>D.D.Hole #</u>	<u>Direction</u>	<u>Dip</u>	<u>Depth</u>
1-9-82	Southerly	+5°	36.28m
2-9-82	"	+5°	22.87m
3-9-82	"	+5°	18.29m
4-9-82	"	+5°	12.20m
5-9-82	"	+5°	38.72m
			<u>Total 128.36m</u>

The core diameter is 18mm and was drilled during the period of February - March, 1982 and stored at the portal of the 9th (Main Crosscut) Level for logging. I believe it was later stored at 7280 Stirling Avenue, Vancouver, B. C. The direction of these holes is not known since the numbers of the drill was not marked at the collar locations on the walls of the crosscut but suffice it to say the direction of the holes was southerly across the trend of the dolomitic limestone horizon. The core recovery ranged between 44.6% and 100%.

The core showed <sup>ING</sup> whitish dolomitic limestone (dolostone) was intersected in each of the drill holes. This rock frequently carried small inclusions of chloritic matrix. Mafic and felsic dykes were noted in the recovered core sections.

I am not aware of any analyses of these cores.

Encl.

Yours truly,  
Donald W. Tully, P. Eng.

HOLE No. 1-9-82

COMPANY --- IMPACT RESOURCES INC. ---

HOLE DEPTH 36.28 m (119 feet)  
 CORE SIZE 18 mm  
 HOLE DIRECTION  
 DIP +5°

CLAIM  
 LOC'n Located in 9 - level cross-  
 PROPERTY cut at former Central Zeballos Mine

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

collar ELEV. PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS					
FROM	TO				From	To	Length	AU	AG	KN
0.0	0.82	Whitish-grey crystalline dolomitic limestone (dolostone)								
	0.98	As above with chlorite inclusions								
	9.76	Dyke of highly chloritized andesite (?) with (phantom feldspar-like phenocrysts)								
	10.00	Grey dolostone with ± 10% chloritic inclusions								
	27.13	Whitish-grey dolostone with scattered inclusions along core section								
	27.32	Zone of + 80% chloritic impurities in dolostone								
	32.93	Grey to white dolostone with scattered chloritic inclusions								
	32.99	Mud in core box - dolostone is broken (probably a fault zone)								
	36.28	Grey to white dolostone with scattered chloritic inclusions								
		NOTE: 1) Graphite was reported but not observed in core								
		2) Core recovery was 24.70m (81 ft.) = 68%								
		3) Core logged and stored at 7280 Stirling Avenue Vancouver, B.C.								
		END OF HOLE								

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

Cupy - Chalcopyrite

CORE Logged by: D.W. Tully, P.Eng.

CORE Spilt by: .....

HOLE STARTED: February 9, 1981

HOLE FINISHED: February 13, 1981

HOLE No. 2-9-82

COMPANY IMPACT RESOURCES INC.

HOLE DEPTH 22.87 m (75.0 ft.)  
 CORE SIZE 18 mm  
 HOLE DIRECTION  
 DIP +5 °

CLAIM

Loc'n Located in 9 - level cross-  
 PROPERTY cut at former Central Zeballos Mine

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

collar ELEV.

PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						
FROM	TO				From	To	Length	AU	AG	ZN	CU
0.0	1.10	White to grey, medium to finely crystalline dolomitic limestone (dolostone)									
	1.52	Dolostone with 15-20% chloritic inclusions									
	3.66	Dolostone with less than 5% chloritic inclusions									
	14.33	Dolostone, grey to white, 10-15% chloritic inclusions									
	14.63	Dyke of highly chloritized andesite (?) - schistose									
	14.82	Dolostone with abundant chloritic inclusions									
	15.55	Dyke - as above type									
	16.46	Grey dolostone with $\pm$ 10% chloritic inclusions									
	20.24	Dyke, highly chloritized and sheared phantom feldspar-like phenocrysts									
	20.73	Grey dolostone with $\pm$ 30% chloritic inclusions									
	22.87	Dyke (pseudo-porphyratic) as above									
		Note: 1. Drillers report graphite floating on sludge return water - not observed in core.									
		2. Core recovery = 19.51m ( 64 ft.) = 85%									
		3. Core stored at 7280 Stirling Avenue, Vancouver, B.C.									
		END OF HOLE									

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

Cupy - Chalcopyrite

CORE Logged by: Donald W. Jully, P. Eng.

CORE Split by: .....

HOLE STARTED: 14 February, 1981

HOLE FINISHED: 17 February, 1981

HOLE No. 3-9-82

COMPANY IMPACT RESOURCES INC.

HOLE DEPTH 18.29m (60 feet)

CORE SIZE 18 mm

HOLE DIRECTION

DIP 45°

CLAIM

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

collar ELEV.

PAGE No. 1 of 2

LOC'n Located in 9 - level crosscut  
PROPERTY at former Central Zeballos Mine

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS					
FROM	TO				From	To	Length	AU	AG	ZN
0.0	4.88	White crystalline (1-2mm) dolomitic limestone (dolostone)								
	5.18	Dark green chloritic impurities and scattered grains of pyrite in grey to whitish dolostone								
	5.49	White crystalline dolostone								
	5.71	Ground core reported for this section								
	8.08	Grey to white crystalline dolostone with chloritic inclusions @ 7.71 m								
	9.15	Ground core reported								
	9.85	Dolostone as above								
	11.28	Ground core reported								
	12.32	Grey dolomitic limestone with chloritic inclusions (20%)								
	13.29	White to grey dolostone - ground core reported in this section of core								
	13.48	Dyke or chloritic inclusion (?) - ground core reported in this section of core								
	14.63	Grey to white dolostone with scattered chloritic inclusions								
	23.17	White dolostone - crystalline - ground core reported in this core section								

LEGEND

C/A - CORE AXIS  
Bx - BRECCIATED  
NA - NOT ASSAYED  
Diss. - DISSEMINATED

f.g. - fine-grained  
m.g. - med. grained

py - PYRITE  
Mg - MAGNETITE  
Pb - GALENA  
Zn - SPHALERITE  
Pb - PYRRHOTITE  
Cupy - Chalcopyrite

CORE Logged by: D.W. Tully, P.Eng.,

CORE Split by: .....

HOLE STARTED: 18 February, 1981

HOLE FINISHED: 23 February, 1981

HOLE No. 3-9-82

COMPANY

IMPACT RESOURCES INC.

HOLE DEPTH 18.29m (60 feet)

CORE SIZE 18 mm

HOLE DIRECTION

DIP +5°

CLAIM

LOC'n Located in 9 - level cross-  
PROPERTY cut at former Central Zeballos Mine

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

collar ELEV.

PAGE No. 2 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						
FROM	TO				From	To	Length	AU	AG	EN	
23.17	23.78	Zone of chloritic inclusions in dolostone									
	24.18	Dyke - highly chloritic									
	36.59	White crystalline dolostone - has a homogenous bluish coloration throughout - ground core reported in this section									
	43.29	White crystalline dolostone with scattered dark green inclusions and fine grains of pyrite									
	45.12	White crystalline dolostone									
		NOTE: 1. Graphite noted by drillers in sludge water.									
		2. Core recovery 20.12m (66 feet) = 44.6%									
		3. Core stored at 7280 Stirling Avenue, Vancouver, B.C.									
		END OF HOLE									

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

Cu<sub>2</sub>S - Chalcocrite

CORE Logged by: D.W. Tully, P. Eng.

CORE Split by: .....

HOLE STARTED 18 February, 1981

HOLE FINISHED 23 February, 1981

HOLE No. 4-9-82

COMPANY \_\_\_\_\_ IMPACT RESOURCES INC. \_\_\_\_\_

HOLE DEPTH 12.20m (40 feet)

CORE SIZE 18 mm

HOLE DIRECTION

DIP +5°

CLAIM

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

LOC'n Located in 9 - level crosscut  
PROPERTY at former Central Zeballos Mine

collar ELEV.

PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						
FROM	TO				From	To	Length	AU	AG	KN	CU
0.0	4.36	White to slight bluish cast crystalline dolomitic lime- stone (dolostone), chloritic inclusions									
	4.88	+ 30% chloritic inclusions in dolostone									
	5.98	White crystalline dolostone with slight bluish coloration									
	6.65	Zone of chloritic inclusions in dolostone with blebs and aggregates of pyrite (7 cm) at 5.79m									
	8.54	White crystalline dolostone with slight bluish coloration									
	9.45	Dyke - dark green chloritic (andesite ?)									
	11.59	White dolostone as above									
	11.89	Dyke as last above noted									
	12.20	Dolostone as last above noted									
		END OF HOLE									
		NOTE: 1. Graphite noted in sludge but not observed in core									
		2. Core recovery 100%									
		3. Core stored at 7280 Stirling Avenue, Vancouver, B.C.									

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

Cupy - Chalcopvrite

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: \_\_\_\_\_

HOLE STARTED: 24 February, 1981

HOLE FINISHED: 28 February, 1981

HOLE No. 5-9-82

COMPANY IMPACT RESOURCES INC.

HOLE DEPTH 38.72m (127 feet)

CORE SIZE 18mm

HOLE DIRECTION

DIP +5°

CLAIM

Loc'n Located in 9 - level crosscut

PROPERTY at former Central Zeballos Mine

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

collar ELEV.

PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						
FROM	TO				From	To	Length	AU	AG	KN	CU
0.0	2.13	Whitish crystalline dolomitic limestone (dolostone)									
		(slight bluish coloration), fine grains and blebs of pyrite @ 5.47m									
	3.05	Dark green (soft) dyke of chlorite (lamprophyre-like)									
	3.96	Whitish dolostone as above but carrying chloritic inclusions									
	8.54	Dark soft dyke of chlorite as above									
	28.20	Dolostone carrying fine dark chloritic inclusions, 4 cm seam of anhydrite @ 17.99m, fine seams (1-2mm) and aggregates pyrite @ 24.39m									
	33.99	White crystalline dolostone with slight bluish coloration									
	34.45	As above section with scattered dark chloritic inclusions									
	38.26	White crystalline dolostone									
	38.72	This section of white dolostone carries scattered dark inclusions									
		END OF HOLE									
		NOTE: 1. Core recovery was 35.67m (117 ft.) = 92%									
		2. Core stored at 7280 Stirling Avenue,									
		Vancouver, B.C.									

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Diss. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

Cupy - Chalcopyrite

CORE Logged by: D.W. Jully, P.Eng.

CORE Split by: \_\_\_\_\_

HOLE STARTED: March 1, 1982

HOLE FINISHED: March 5, 1982