DU PONT OF CANADA PLORATION LIMITED

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

WELL CLAIM

CLINTON M.D., B.C.

NTS 92-P-15E

+

120°44'W, 51°54'N

by

li	Department of
1.22	Mines and Petroleum Resources
100	ASSESSMENT REPORT
No. No.	NO. 5807 MAP

F. Marshall Smith

Vancouver, B.C.

March 8, 1976

### TABLE OF CONTENTS

(*	Page
LOCATION AND ACCESS	1
DESCRIPTION OF WORK PERFORMED	1
CLAIMS	1
EMPLOYEES AND DATES AND TYPE OF WORK PERFORMED	1
VEGETATION	2
REGIONAL GEOLOGY	2
LOCAL GEOLOGY	2
GEOCHEMICAL SOIL AND ROCK SURVEY	3
CEPTETCATE	5

### LIST OF PLATES AND FIGURES

Plate	1 ".0	Detailed Geology	In Pocket
Plate	2	Geochemistry - Gold in P.P.M.	
Plate	3	Geochemistry - Copper in P.P.M.	n
Plate	4	Geology	
Plate	5 ° C	Aeromagnetics	
Figure	1 * /	Location Map	Foll.P.1

### APPENDICES

Appendix	I	Description	of Analytical Techniques
		employed by Geochemical	Min-En Laboratories and Results

- Appendix II Statement of Expenditures
- Appendix III Names and addresses of personnel who worked on the Well Project.

### LOCATION AND ACCESS

The Well claim is located 10.5 km ENE of Eagle Creek, British Columbia and about 1.5 km north of Canim Lake. The coordinates for the legal post of the three east by two south claim are 120°44'W by 51°54'N on sheet 92P/15E.

The property is accessible via the 100 Mile House - Forest Grove - Hendrix Lake road about 9.5 km east of Eagle Creek via a turn off to a secondary gravel road along Weller Creek to Canim Lake. From the secondary road about 3.25 km from the Hendrix Lake road a trail was cut to the south eastern portion of the property.

### DESCRIPTION OF WORK PERFORMED

The four eastern units of the six unit claim had topofil and compass-line laid out on the perimeter and at 100 m spaced lines run east-west resulting in a total of 13,000 m of flagged line with stations usually every 100 m on the lines. Soil samples were collected at every station and all outcrops were sampled with control for the location against topofil lines. The whole claim was carefully prospected for mineralization of interest after a walking trail was blazed and cleared from the Weller Creek road. T! e legal corner post was chained and located for control purposes and true boundaries of the claim determined from enlargements of 1:50,000 maps.

#### CLAIMS

This report covers work on the Well claim consisting of six units (three east and two south). The record number of the claim is 2 and is located in the Clinton Mining Division. The claim is owned and operated by Du Pont of Canada Exploration Limited.

#### EMPLOYEES AND DATES AND TYPE OF WORK PERFORMED

Name	41	Dates of Work	Position
н.с.	Boyle	May 21-27/75	Senior Field Geologist
L.K.	Eccles	May 21-27/75	Student Geologist
G.H.	Popp	May 21-27/75	Senior Field Geologist
A.G.	Robinson	May 15-27/75	Prospector
E.M.	Robinson	May 17,24,25,31/75	Labourer
K.L.	Jones	June/75 (4 days) July/75 (1 day)	Draftsman
F.M.	Smith	May 21-27/75 October/75 (2 days)	Senior Staff Geologist



#### VEGETATION

Vegetation over the low regions is cedar, fir and swamp sedges with many beaver ponds disrupting normal water flow. The gentle slope areas have fir, hemlock, aspen poplar, birch and cedar. High areas and steep regions or areas with thin sandy soils have lodge pole pine cover. Underbrush and dead fall is heavy in areas; the former predominates in the central and western portions of the property.

#### REGIONAL GEOLOGY

The regional mapping by R.B. Campbell and H.W. Tipper (1964,65), on map 1287A from Memoir 363 of the Geological Survey of Canada indicates the local rocks should be andesite arenites, silt stones, breccias and tuffs. These Sinenmurian terrestial rocks were not evident anywhere on or near the property but more typical Karnian and Norian age Nicola group Quesnel trough alkali basalts and their differentiates were the only outcropping rocks noted. The highland area on this portion of the north shore of Canim Lake may represent a window of these older rocks not noted by the earlier workers.

#### LOCAL GEOLOGY

#### Field Procedures

Rock samples collected from traverses, and grid line work, were slabbed with a diamond saw, stained with both potassium indicator (cobaltinitrite), and the sodium stain (amaranthe). From the examination of these under 100 power binocular microscope and field determinations of contacts, the compositional and age boundaries were defined.

#### Geology Description

The only outcrops lie along a series of rock knobs on the eastern portion of the property. They vary from basalt and andesite flows to argillaceous tuffs and syenitic diorite and monzonites.

From the north the flows predominate with thickness indefinite but they appear to be fairly homogenous across 61 m - 122 m, north to south (normal to apparent strike). Further south the flows become interbedded with black argillaceous andesite tuff, often with minor grey-green diopside or chlorite alteration on fractures. Pyrite increases in both flows and tuffs southward. Flows south of the north claim line are very thin, usually only a few feet thick and appear to vary in strike from northeast/southwest to east/west. The intercalated tuffs become more chloritic, lighter in colour and very occasionally have thin interbedded agglomerates. These agglomerates are made up of only tuff varying from reddish brown to pale green/grey with a grey/green groundmass. Often the rims of the reddish pieces are altered to a grey-white colour.

Tuffs apparently overlying the flows are dark in colour but these andesitic tuffs are rare in relation to the grey-green variety.

The earliest intrusives occur on the northwest of the tallest rock crest with hornblende diorite invading black tuff and agglomerate beds. The small dioritic intrusive(31 m x 31 m) has large (1.9 cm x 0.30 cm) hornblendes in a grey groundmass. Quartz is absent and accessory calcite common. No pyrite was noted in any of the diorite exposures. Peripheral rocks are weakly altered with mafics to chlorite and calcite and pyrite introduced, especially in the agglomerates.

Hornblende monzonite carrying an extreme amount of potassium feldspar (one stained sample showed no residual soda-feldspar), no accessory quartz, with chlorite and pyrite as primary accessories occurs as a small plug on the south side of the major rock crest. The dimensions are indefinite but must be less than 125 m N-S by 250 m E-W. The intrusive could be as small as 70 m by 70 m. Alteration peripheral to the syenite is very minor with calcite flooding, minor chlorite and pyrite addition. The syenite has small miarolitic cavities occasionally, especially in the hornblende porphyry phases.

No exposure of even nearly economic mineral occurrences were observed on the claim. There are some small amounts of chalcopyrite with the pyrite rich andesite tuffs in the north central portion of the claim. No appreciable copper or gold values were determined in the grid soil and/or rock sampling on or near the sygnitic outcrop.

#### GEOCHEMICAL SOIL AND ROCK SURVEY

Soil and occasional rock samples were collected where possible at regular intervals of 100 m by 100 m in the area of the four easternmost units of the Well claim. The project was restricted to this portion as the western area is covered in a maze of beaver swamps with no outcrop and all indications pointed to thick till cover or poor environment for geochemical soil sampling.

A prospectors grub hoe was used to dig a small pit, with sample depth varying from 10 to 25 cm. The sample was placed in Kraft wet strength bags, numbered as to grid location and shipped by bus to Vancouver. The material sent for analysis was usually from well oxidized "B" zone or (by the Canadian Soil Committee nomenclature) "Bf" (indicating enrichment in iron). Some of the lodge pole pine covered areas had "Be" soil samples (loss of clay and/or alumina). In areas of gley soils near swamps or beaver ponds the soils were usually Bg or Cg implying reducing atmosphere in the fine silty soil.

In general drainage was to the south or west with good soil development in areas of gentle slopes covered in fir but poor soil development in either steep or swampy areas.

Soils and all streams were checked for pH and determinations were consistently alkaline with pH ranging from 7.2 to 8.4. Thus copper iron mobility is very low and soils will readily determine near bedrock (source) values for copper. Gold will be comewhat more mobile in this environment and anomalies will indicate targets for follow-up effort.

The plots of the copper and gold analysis by atomic absorption are contained in the attached pocket. The data on analytical procedures etc. are contained in the attached Appendix I. The results of the survey leave little doubt that there are no anomalies of significance in the area sampled. The two weak gold highs are unsubstantiated by their nearest neighbours.

### CERTIFICATE

- I, Frederick Marshall Smith, do hereby certify that:
- I am a geologist residing at 658 Mayflower Road, Richmond, British Columbia and employed by Du Pont of Canada Exploration Limited.
- 2. I am a graduate of the University of Toronto with a B.Sc. (Hons.) degree in Geology.
- 3. I am a Fellow of the Geological Association of Canada and a Member of the Association of Exploration Geochemists.
- 4. I have practised my profession in geology continously for the past 10 years and since 1967 in British Columbia and the Yukon Territory.
- 5. Between May 17 and May 27, 1975, I directed a field programme on the Well claim on behalf of Du Pont of Canada Exploration Limited.

OCIA

### APPENDIX I

## DESCRIPTION OF ANALYTICAL TECHNIQUES

### EMPLOYED BY MIN-EN LABORATORIES

AND

GEOCHEMICAL RESULTS

### GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Samples are processed by Min-En Laboratories Ltd. at 705 W 15th St . North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 30 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 5 hours with  $HNO_3$  and  $HC1O_4$  mixture.

After cooling samples are diluted to standard volume The solutions are analysed by Atomic Absorption Spectrophotometers

Copper. lead, zinc, silver, cadmium, cobalt, nickel and manyanese are analysed using the  $CH_2H_2$ -Air flame combination but the molybdenum determination is carried out by  $C_2H_2$ -N<sub>2</sub>0 gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

### GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD

Geochemical samples for Gold processed by Min-En Laboratories Ltd. at 705 W 15th St., North Vancaver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with  $HNO_3$  and  $HClO_4$  mixture

After pretreatments the samples are digested with <u>Aqua</u> <u>Regia</u> solution, and after digestion the samples are taken up with 25% HCl to suitable volume

 At this stage of the procedure conver, silver, and zinc can be analysed from suitable aliquote by Atomic Absorption Spectrophotometric procedure

Further oxidation and treatment of least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.01 ppm (10 ppb).

COMPA

PROJECT No .: \_\_\_\_

141.010

CONTRACTOR -

and the second second second second second second the second second second second second second second second s

DuPont

311-03

### hogical GEOCHEMICAL .NALYSIS DATA SHEET

### MIN - EN Laboratories Ltd.

No. 2162 DATE: June 4

	6 Sample, Number	- 10 Mo ppm	15 Cu ppm	Pb Ppm	25 Zn	30 Ni ppm	25 Co ppm	40 Ag ppm	45 Fe ppm	50 Hg ppb	55 As ppm	Mn Form	Au ppm	70	75	
F	2N_8U	90	30		105			•	125	130	133	140	.01		100	
-	011		15			<u></u>		<u> </u>			1111		/.01	<u></u>	<u>, , , , , ,</u>	<u>  + + +</u>
F	100	-1'	16	1.1.1.1		<u> </u>	111	1 1-1-1	<u> </u>		1.1.1.1	* * * * *	1 1 1 1	1 1 2 1	<u> </u>	) <u> </u>
ł	017 017	1 1 1		- <del>  -   -   -  </del>	<u></u>								0.2	<u>_1_4_1_1</u>	1.1.1.1	11.
+	<u>3N-UW</u>	<u></u>	1 40	<u></u>	<u></u>	<u>_1_1_1</u>	1111	1.1.1.	1111	1.1.1.1	1111		1.01	<u></u>		1.1
F	AN OU		30				<u></u>				. <u></u>		101	<u></u>	<u></u>	
+	4N-0W	1 1 1 1	39			_1_1	<u></u> i	<u> </u>			-i-i-i		<u></u>	<u></u>	1 1 1 1 1	1.4.4.1
-	TUW	111	. 45				111		1111	1.1.1		1111	•0 L	1.1.1.)		1 1 1
1	SNIUW	Le t		111	and t	<u> </u>	1111	<u></u>	1111	1.1.1.1		11.1	<u> </u>	-t-d-t-t-	<u></u>	
ł	6N - 10W	<u>r</u> , <u>r</u> , <u>r</u>	76		1.1.1 F	1122	1111		1.1.1.1	1.1.1.1		<u></u>	(.01	1.1.1.1	<u></u>	<u> </u>
	7N-10W		20	- 1 - 1- Ar	<u></u>	1 1 1 1	<u></u>	<u></u>	1.1.1.4	<u></u>	- i trabal		3.30	ى مەلەرلەرىش	hand hand	
1	8N-10W	soil			<u></u>		111	<u></u>	1111	3.1.1.1	1.1.1.	-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	<u> </u>	<u></u>	<u> </u>	<u> </u>
	8N-10W	stre an	1.1.16		1,111	1114	LLIL	1111	TIL	1111	1111	1.1.1.1	. < 01	<u>, i i i i</u>	1.1.1.1	1
-	10N-1W	1.1.4	<u> </u>			1114	111	1.1.1	1111	1111	1111	1.11	. <-01	1	1 1 1 1 1	1
	1 1 2 W	5 A 31	28	1 I N N		4.1.1.1	141	111	1111	A. P. A. I.	1.1.1.1.	14.00	<-01	1	1	1.1.1
	. 2.5	W	. 21		in hi	d al anti-	L.L.L.					1.1.1.	-01		لمعتمد عمل	
1		L.L.I.	1.1.20	1.1.1.1	6110	1111	111		1.1.1.1	111.1	1111	1.1.1.		1111	t t t t t	100
1		1.1.1	110	1.3.4.1	_111	1.1.1.1						1	4.01	11.1.2	1	1.1
I	. 5W	6.1.3.	. 19	1.1.1.1			1.1.1		1144	1.1.1.1	1111	1.1.1				
	6W	1 1 1	25	1 1 1 1	1.1.1.1		1111	•	( 1 1 1		1.1.1.1	1	: 5.01	a Cast		
L	7W	5 I X		In the total	1.1.1.×	1.1.1.1		•.			the base	1.1.1.2	. 01			
	. 8W	1.1.1	2.0		+111	1.1.1.1			1111			1	1 4.01		L. e.e.	
	10N-10	W					1111				1114	1.1.1.1		and the		
			7 1 4 1		t i F i	+ + + + +	1.1.1	0		1.1.1.1		1.3.1.1	i t 🕇 🛀	a fara		1
I				- 1 - 1	1111		1.1.1		1.1.1.1	2.1.1.1				e La e		1
		1.1		· ·	6111			•	E.4. 1. 1		1 1 1 1	-1-1-1-1				L
1			1111		1.1.1.1		1111		1111		11.1.1	1.1.1.1	11.1.1	TITE	1	1.1.1
							1							1.4		
ł		<u></u>													1	
								•				1 .		1 1 1	1	
1	11111	6 1 1													+	1

fillent Voldennion

45	1
	format
	1
a sea a	- (
COM	FAL

### DuPont

#### GEOCHEMICAL NALYSIS DATA SHEET MIN - EN Laboratories Ltd.

Ē Sarah

# C 10. 2162 DATE: June 4

PROJECT No .:

41.

ALLING S

the field notation to the .

311-03

				2 B												19/3.
Γ	6 Sample.	10 Mo	15 Cu	20 Pb	25 Zn	30 Ni	35 Co	40 Ag	45 Fe	50 Hg	55 As	60 Mn	65 Au	70	75	68
	Number	ppm	pam	ppm	ppm	ppm	ppm	ppm	האכם	ррб	ppm	ppm	ppm		1	
3	Si Sé	50	\$5	100	105	:10	115	120	125	130	135	140	·45	150	1551	:6
	S25-5-	1	16	1-1-1	1.1.1.1	1111	141			1.1.1.	1114	1111		111	1111	
L	1111-	2	29	EL E	1.1.1	1.1.1.1	1111	1.1.1	1111	1111	1111	LE PARE	-01	* 1 × 1	ELI EL	1.1.1.1
L	1 2 1 1 -	3	. 39					L. I. I.	1111	11.11		ch ch	(.01	أستعادهم	-	too had
1		4	100	E.Z. I. I	1.1.1.1	1121	L.L.I.		1111	CITY.	<u>())</u>	1.1.9 6	01		<u></u>	1 . 1
L	1	5	102					*	and inst		and the last of the	- Lawrend				
		6	69	I de la de la	1111	i int 1			1.1.1.	ILL	1111	Lui			i l	1.1.2.1
	1 + 1 + 1	7	75	+ 3 - 1 - L	1.1.1.1	-1-1-1-1	1111		1.1.1.1.	1.1.1.1	1.1.1.1	1.1.1.1.		1. 1.		1 1.1
T	1	9	. 140		4.1.1.1	1.1.1.4	1111			1111		E to t			1.1.1.1	1.1.1.1
T	1	0	130		1.1.1.1	1.1.1.1	1111		1141	1.1.1.1					1.1.1.1	
Γ	1	1	. 280		1.1.1.1.		* I. I. I.		1.1.1.1	1.1.1.1.1	1.1.1.1	11.1.1		· · · · · ·		1. 1.1
		2	. 63		1111		+ + + + +	•		4.1.1.4	1111	S				
T		3	7 5	1.1.1	111	1111	1111		1.1.1.1	1111		1.1 1 1	01	T 1	erry	3 1-1-1
T		4	122	1.1.1	i i l l	1111	-111		1111			1 : 1 1				1.00
T	1	5	65		1111	1	1111			1.1.1.1	1.1.1.1					6
6	S25-5-	16	44		1.1.1.1.1		Lat L				4 1 1 1	1		- 1. I		
	D5251	1	790	7 1 F 1			1111			1 1 1 1	1 1 1 1	1.1.1.1	20		1.1	
T	. 52	1	111		1-1-1-1	1.1.1.1	1111		11111	1 : 1 1	111-	1 1 1 1			<u> </u>	لم يستريك
T	53		103			1.1.2.1	1111				1111	1:		· · · · · ·		
21	54		, 118		1111	1 + 1 1				1.1.1.1	1111	1.1.1.1				1.1.1.1
7	no nmb	er	12600		and the	A lost day	internal.	•		La contra		1.1		1.5		international states
Γ	#1RL /		19			1.1.1.1.			1.1.1.1		1114					
1	#2RL		104			1.1.1.1				1	1111	11:1			1	S. La La
	5N2E		82			1 1 1 1	1 1 1 1				1.1.1.1	i ta i i			1.1.1.1	1 5 1 1
T	5N2.5E		64	111		1.1.1.1.1	1.1.1.					1::1		L. L. L. L.		1.4.1.4
	5S1E		53			the day is a set	4.1.1	•		1.1.5.1		1.1.1.1.		and the second		ليعتبنين
ſ	551.50	)E	60						1111			1.1.1.1				
	6S0.5E		2.3		Luin	1.1.1.1		1	1111			1		l Litra	Lina	1 1 1 1
T	6S1.5E		93			ELT.F					1.1.1.1	1.1.1.1	. (.01	La tan	1	
Ì	6S2.0E		260						1.1.1		1111	1	8.50		1	4.400
I	652.5F		61						1					1.1.4.4		

filbert V. Hemioulle CERTIFIED BY\_\_\_

COMPAN

SAME AND A STRENGT OF ST

allerials; : !

C. T. M. C. M. S. Martin L. C. Martin C.

PROJECT No.: \_\_\_

### DuPont

311-03

### GEOCHEMICAL NALYSIS DATA SHEET

### MIN - EN Laboratories Ltd.

DATE: June 4

T := 2162

1	75	70	65 Au ppm	60 Mn 627	As ppm	50 Hg pp5	45 Fe	40 Ag	35 Co	30 Ni	Zn Zn	20 Pb	15 Cu	10 Mo mea	6 Sample. Number
	155	150	145	140	135	130	125	120	115	:10	105	100	95	90	81 85
1		4.1.4.3	4.01				1111		1-1-1		L. I. I.	1	118	1.1.1	6S3E ,
1 4 4	Territ	1. 1. 1. 1.	11.1	1.1.1.1	in the	1.1.2.1.	1111				LI LI	r	1.3.1.4	1 4 4	41141
1.1.1.	1.1.1	1.1.1.1			أمتاحه			i	1111		1.1.1.1	1 4 1	1.1.1.1	1.1.1	
1.1.4	Link	A 1	61.0.0			E F C F			i i i i i			1.1.1.1			
		the and				ale all		•					the state of the		1. 1.1.2
1	أعديد	1111		1111	11111	1.1.1.1		!			er la	1211			11111
1	Lill	11.1.1		1.1.1.1	i   1-1-1	1.1.1.1			1111		1111			+ + + +	( ( ) ; )
1.1.20	L	a tas		1.0.1	1.1.1.	1 1 1 1	11.1.6		1.1.1	1 1 1 1	1.1.1.1		1.1.1.1	I.T.F.	1.1.1.1.1
1.1.1		an tra line		Jan	1.1.1.1		+		1.1.1.1		1.1.1.1		and the	111	11.1.1.1
_	Lange and	a Kanal		1 1 4 2		1-1-1-1-1					1. 1. 1. 1. A.		1.1.1.1	1.5.4	
1.1.1	1.1.1.1	1.1.1.1	1.1.1.1	1.1.1		أسدين	1 1 4 1	111	1.1.1	1.1.1.1	1111	1 1 1 1	1.1.1.1	111	11101
1.1.1	1.1.1.1	7 F 1 4		1.00.1.1	1 + 1 1		1.1.1.1		1.61	1111		1111	1111	1.1.1	1.1.1.1.1
	1.1.1	1.1.1		1			11.1.1			1 1 1 1	1.1.1.1			1.1.1	11:11
1 1	1	0110		1.1.1.1	1.1.1.1	1.1.1.	1.1.1.1	1 1 1 1	1.1.1		1.1.1.1			1.1.1	1.1.1.1.1
t				1	4.1.7.1		and a	•				Sec. 1		1.1.1	
	Lun	etta	11. 1 1	1111	1111	1.1.1.			1.1.1		1.1.1.1	1.1.1.1	1111	111	11111
2.1.1.	11111	A. J. A. A.		1.0.1.1	1.1.1.1	1.1.1.1			1 + 1 1		1111			1.1.1	1 1 1 1 1
La L	1.1.1.1					1.1.1			July 1					1.1.1	+ 1 + + 1
		1111		1.1.1		Lat tal	1.1.1		1111	LILL			1111		11111
1 - 1						-		1 0 1 to	L. J. 1				S. L.S. S.		
1.2.1	Juni			4.4.4				1.1.1. •	1411			1.1.1.1	<u></u>	11	11111
1	1.1.1.1	115	1111	1.3 1 1	1111		1.1.1.1		1-1-1	11.1.1	LIL	i kiri		1.1.1	1.1.1.1.1
1 1 2		1. F. (1. A.		1111	1111	1111			1111		1.1.1.1.	7.1.1.1		111	11111
in the star		1.1.1.1		-Lill		1.1.1.1	1111	L.L.			1.1.1	1.0.1.1			
9.0 L		J.J. a. f.			a a sector	1.1 1.			1 5 1					1. J. 1.	1.1 1.1
111	Land	<u>. 1 1 : .</u>	<u></u>	1.1.1.1		111	11.1.1		1.1.1			1.1.1.1	a Line	1.3 1	
<u></u>	1	- المراجع الم							TL1			1.1.1.1.1	1 2 1 1	1.1.1	LLLL
	Leen					1.1.1.1	11.01	t			1.11	1.1.1.1	1.1.1	1.1.1	11111
		1.1.1		1			1111				1.1.1			11	11111
t		L. C. D. P.		i. Le ra	1.1.1.1		in	1111				1.1.1.1	3.1.1.1	1.1.1.	11111

CERTIFIED BY-

DuPont . COMPAN

Harris (1) and 1. . . Balakes He we re

Makers & Court Area and area

#### GEOCHEMICAL ALYSIS DATA SHEET MIN - EN Laboratories Ltd.

# F 10. 2162 DATE: June 4

311-03 EROJECT No .: \_

			0										1	,
6 10 Sample, Ma Number ppm 81 ES 90	15 Cu FPM 95	20 Pb ppm 105	25 Zn ppm 105	30 Ni ppm 310	35 Co ppm 115	40 Ag ppm 120	45 Fe opm 125	50 Hg ppb 130	55 As ppm 135	60 Mn 140	65 Au ppm 145	70	75	2 1
300S-400W	9	4. F. 2. F		1.1.1.1	1.1.1		1151		L 1 . L .	LIII.	03			1.6.6.3
" 500W	. 16	1. s. a. r			LLI		1.1.1.1	+ 1 1 1	LLIL	1.1.1	02	- 1		d and the
" 600W	19		1.1.1.1	1 1 + 1					1.1.1.1.	LILE		1		
" 70'OW	48	1111	1111	1111	1 + 1 +	1.1.1	1.1.1.1	1111	1111	1.1.3.1	· · · · · · · · · · · · · · · · · · ·	1111	1.1.1.1	4 1 4
" 800W	. 9					•				1	.02			
3005-900W	7	- 1- 1- 1 - 1-					1.1.1	1111				1414	<u> </u>	
4005-00W .	5				LLL		1.1.1.1			1.1.7.1		31131	1.1.1.1	7.1.1
". 100W	23		LI LI	1111	LLL	111	1.1.1.1	1	1.1.1.4	1.1.1.1				·
". 200W .	. 31			J. J. Kat	LLLL		1.1.4.4	1.1.1.1	L	1.1.1.1	L. 03		أحسب	
". 300W	170	1.0.1				•	a		and dot-	1. 1. 1. H.				
	1 . 11		1111	4414	1.1.1		1.1.1.1.	1.1.1.4	1.1.1.1	L. L. L. L.			1111	
." 500W	. 17	1111	1111	1.1.1.1	111				1111	1		ل ال ال	1.1.1	
" 600W	23		1.4.1.0		LLIL	1.1.1				1 1 1 1	L 10 9.	1.1.1.1	5.3. A. C.	and the
" 700W	, , 13		14.1	1 1 1 1	1111		1.1.1.1	1 1 1 1	11.11	1. 4. 4. 4	19	1. 1. A. A. A.	1 1 1 1	6.1.3
" 800W	. 10			1 States		•				1.1.1.1	.04		1	-
4005-900W		1 1 1 1	1.111	1.1.1.1	1111	1.1.1.1	1111	1 1 1 1	11.1.1	1.1.9.1	1 . 01	1	<u>i i t i</u>	4.4.1
500S-00W	1.15			1.1.1	Lui			1.1.1.		1.0.1			I.I.I.	a. 1. a
" 100W	80		1.1.1.1	1134	Link		1.1.1.1.		11.1.1	Lui			1.1.1.2	614
" 200W	1 19		1111	41.1.3	Line			P_1_1_1_	1.1.1.1.	1.1.1.1		110	بتلتات	ه ت م
" 300W	25		61.1.1	1-1-1-1-1-	Len .					in a	02	- 1-1		
". 400W	21	1.1.1.1.1	LILL	1.1.1.	Lu	1.1.1			Lui	11		. 1. 1. 3		<u>. 1 1</u>
". 500W	1 25			1.1.1.1.	LLL		1111		1114	1111	02	<u> </u>	1.1.1.	1.1.2
" 600W	1.19	1.1.1	1.1.1.1	Link	LUL	1111	Lui	1.1.1.1		1.1.1.1	. 01	A. T. A. J.	Li La La	
" 800W	47		1		LLL		Lui			1			<u></u>	
5005-900W	1.,22		<u></u>	1.1.1.1.	<u> </u>					1			Land I am	-
500S-50E	80	l	Lun	and the	Lun	1.1.1	1.1.1.1		1.1.1.	Lun				1.1.1
" 100E	27		Luis		1.1.1		Lun	1 1 1 1		1.1.1.1.		1.1.1.1.1.	La La La	
"_150F	1 1 . 9		1111		m	1	111-	L.L.L.	1111	1			1	
.". 200E	1,1,3		Lui	LILL	Lun	1	+++++	1	1121	1.1.1		La manda da la		L.
.". 250E	41			1.1.1.1	1			LITE	1.1.1.1.	1	.02	C1	Sale 2	

filbert V. J. lemion CERTIFIED BY

· COMPA

PROJECT Ne .: \_

DuPont

311-03

### GEOCHEMICAL ANALYSIS DATA SHEET

logical

### MIN - EN Laboratories Ltd.

T'No. 2162

DATE: June 4

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				· ····································												±	11.1.
N=rest    sen    sen<		6 Sample.	10 Mo	15 Cu	20 Pb	25 Zn	30 Ni	35 Co	40 Ag	45 Fe	50 Hg	55 As	60 Mn	65 Au	70	75	03
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Number	ppm	ppm	ppm	md4	ppm	ppm	ppm	nga	ppb	ppm	ppm	ppm			
5008-300E  99		81 34	50	93	165	105	:10	115	120	125	130	135	140	125	150	155	160
"350E  9		500S-30	OOE			LILL	1111	-				1111	1111	. 02			1.1.1.1
500S-400E  4		" 3501	E	9	1.1.1.1	LILL	+ : : 1		C.L.	1111		1111	1 1 1 1				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		500S-40	OOE	4			1111			1.1.1.1	5.1.1.1	Jul 1			33.12		
"100E  21		600S-5	0 E	29	1.1.1.1	LILL	1111	i i i i i					11.1	02	a La L		9444
"  150E  20		<u>" 100</u> H	Ξ., [	21		1. 1. 1.					1. J. J. J. J.			0 2			
"200E  15	E	", 150H	Ξ.,,	20		444	1.1.1.1			1.1.1.1							And the
" 250E  15	23	" 2001	5 I	. 15		1111		1111			(	1111	1		1 1 1 1		
" 300E  16		" 250H	Ε.,	, 15			1111			1.1.1.1	11.1	1.4.4.4	4 1 1 1		4 4 4 4	1,1,1,1	1 7 3 5
"350E  19		" 300H	3	16		1.1.1.1	1.1.1.1	1411	111	1111		1.1.1.1.			a band		
600S-400E  17		" 3501	Ξ	19	1.1.1.1	1-1-1-1				1.1.1.1		1.1.1.1	1 1		a de la r	1.1.1.1	internet to
600S-100W  25		600S-40	DOE	. 17			1111	11				1 - 1 - 1 - 1	1				1.5 . 1
"200W  20		600S-10	WOO	, 25			1.1.1.1	1111			3-0-1-1	1 1 1 1					7 4 4
"300W  .9 <td< td=""><td></td><td>" 2001</td><td>J</td><td>20</td><td></td><td>1.1.1.1</td><td>1 1 1 1</td><td>1111</td><td></td><td></td><td></td><td>1 + 1 1</td><td>1</td><td></td><td></td><td></td><td>* 1 1 2</td></td<>		" 2001	J	20		1.1.1.1	1 1 1 1	1111				1 + 1 1	1				* 1 1 2
		. 3001	1	9		1111	1111	1111		( ) ] (		1 1 1 1				1.10.2.1	1 1 2 1
		" 400V	J	. 13		La La	1 1 1 1		•		1111			.02	1.1.1		r de tele
		" 500V	₹	11 16	+ 1 1 1		1111	LIII				1113	Lara				+ + 4: 4
"700W  19		" 600V	<b>J</b>	17			1111	1.1.1		1111		3 E T L	1.1.1.1	03	1.4.4	1111	1.1.1
		" 7001	J	, 19		1 1 1 1	1.1.1.1				1.1.1.4	1.1.1.1	1.1.1.1	03	1111		T. I.I.
600S-900W  18	5	" 800V	V	3	11.11	1.1.1.1		1-1-1-1		1111		1.1.1.1	k 1 1 1	02	y toras	1111	1.14
700S-100W  34	See.	6005-90	WOO	18				inter l	•••	i L.L.I		and the sector	1	•04			-
		7005-10	WOO	. 34	1.1.7.1.		1.1.1.1			1111			13.11			1.0.1.1	4 7 5 K
".300W  .21 <t< td=""><td></td><td> 2001</td><td><b>J</b></td><td>, 80</td><td></td><td>4.1.1.1</td><td>T. I. I. I.</td><td>1411</td><td></td><td></td><td>1 1 1 1</td><td></td><td>1.1.1.1</td><td>03</td><td></td><td></td><td></td></t<>		2001	<b>J</b>	, 80		4.1.1.1	T. I. I. I.	1411			1 1 1 1		1.1.1.1	03			
". 400W	3	" 3001	<b>J</b> , ,	, , 21		1.111	1.1.1.1	1111	•	1111	1111	1111	.1.1.5.1.1		Sec. 1 and	+ + + + +	1.1.1.1
". 500W  .34			J	1 70		1.1.1.1		LII			THE T	1.1.1.1			i	1 1 1	1 - 1 1
		". 500V	J	34			25 1 1 1	1.1.1.1			(4) K (2) (2)		1.2.1.2				I The Protection
", 700W		" 600V	J	21				1111		1111	1.1.1.1				4.1.1	1.1.1.1	4.17.1
<u>'', 800W</u> , <u>16</u> , <u>16</u> , <u>17</u> ,		". 700V	J	1:18	2111		1.1.1.1	1111		1111	1.1.1.1	1.1.1.1	1:11				
7.00S-900W		." 8001	٩.,	11,16		1111	1111	1111	1.1.1.	1111		1111	1.1.1.1		1.1.1		
		7.005-90	WOC	7		1,11	1.1.1.1	1.1.1	•		11.1	1111		.03		1 1 1 1	
			1.1.1	1.1.1.1		i del 1		Jacob I.		1111			1.1.1.1	• •			1.1.1.1

CERTIFIED BY\_filbert V . Hemisulle

a)

COMPAN

•

DuPont

PROJECT No.: \_\_\_\_\_\_ 311-03

#### GEOCHEMICAL ALYSIS DATA SHEET

bernand

### MIN - EN Laboratories Ltd.

... 2162 FI CATE: June 4

	75	70	65	60	55	50	45	40	35	30	25	20	15	10	6
			Au	Mn	As	Hg	Fe	Ag	Co	Ni	Zn	РЪ	Cu	Mo	Sample.
	155	150	145	140	135	130	125	ppm 120	ppm 115	ppm ;10	ppm 105	ppm 100	ppm 95	09 09	Number 1
1			. 01	L	1 1 1 1			•					43		N-OW
1 1		1 1 1 1	01	1111									64	1	" 1WA
					3 1 1 1			•		3			26		" 1WB
			01					•					14		" 2W
		and and a state of the state of	01		1 1 3 7			•			<u></u>		25		11 31
			. 02	1.1.1.1				•					. 37		IN_4W
			.01					•					25	1 1 - 5	DN-5E
<u></u>				<u></u>				•			111	<u> : i </u>	. 46		1.6F
di interio			.10									<u></u>	67	1 1 1	11 7 F
den and	l-i-i-i-l		<u></u>				1.1.1.1	-1_1_1_					33	1.1.1.	ON OF
					111-	1 1 1 1	- <u>1_i_i_</u>	• • •	111	1-1-1-1	<u></u>		21		DN-9E
1.4 -		<u></u>	02	<u></u>			1112	•		1.1.1	1111	-1-1-1-1	5/	1 3-1	$\frac{1}{1}$ $\frac{1}{1}$
1		<u>. 4 4 1 4</u>	02	1 1 1 2			1.1.1.1			<u> </u>		<u></u>	20	1 1 1	
£		<u></u>	02		<u></u>	1111	<u>un c</u>			1111	1111		1.7	1 1 1	
-	<u> </u>	<u></u>	<u>.</u> 02	1, 1, 7, 1, 1	1111	11 ***	1111	• • •	4.1.1	1311	1.1.1.1	1 1 1 3	15	• • •	11 / TT
			01	<u></u>	1111	<u> </u>		•	- total	- t-t-t-				-l-i-t-	11 ETT
		1.1.1	01	1111	1111		1111		111	1111	111	1111	1 09	111	11 CTT
d de		<u></u>		4444			<u></u>		<u></u>	<u> </u>		<u> </u>	20	<u>1.1.1.</u>	<u> </u>
1 1	1-1-1-1-1	<u>_1_1_1_1_</u>	1.01	1111	1.1.1.1				<u>+++</u> ++-			1.1		3 3 1	W /W
	1.1.1.1	a data in	01		<u>_1_1_i_i</u>		<u> </u>		<u></u>		1111		2	1.1.	II OU
-anti-			02	<u>_l_i_i_i</u>	-hal-i-t-		<u>_1_1_1_1</u>	1.1.1.1	<u> </u>	<u> </u>		and the second			1 N 1 011
<u> </u>		يىغان قىرىغى ا	02	1:4:1	1.1.1.1.				<u> </u>					<u>, 1 1 1</u>	IN-LOW
·		1 1 1 5	1.01	<u>1 + + 1</u> -	111-	1111	1141			<u>_i_j_l_</u>			57	1 1 1	ZN-OW
		<u>, i, i i</u>		1141	1111	1.1.1.	1111	1111	1111	1.1.1.1	1.1.3.4	<u> </u>	20	<u>( ) </u>	WI WI
4.1-		<u></u>	(01		<u></u>		1111			- tot I		. d. d. d. d.	16	·	11 2W
		<u> </u>	101	<u></u>	+ + + +	- In the lot in	1.1.1.1		the later		<u></u>		. 10		WC !!
1		- المراجعة - الم			.1.1.1.	1111		<u></u>	1111	1-1-1-1		at and the	31	1.1.1	4W
		<u></u>	101	1.1.1.1.	1.1.1.5			<u></u>			<u></u>	- total i	22		
1.1	-1-1-1-1			1.1.1	_t. <u>1_1_</u>	1-1-1-1-	1111	<u> </u>	1111		1121	<u></u>	40	4.4.5	- 6W
<u></u>			1 (01	ad interest	1144	1.1.1.1.	<u></u>	<u> </u>	-1-1-1-	-1-1-1-1-				1.1.1.	, /.W
Y. J.	t total	<u> </u>	01	A to the	1-1-1-1-		1 mar	<u> </u>	- la la la	1.1.1.1		and a state	<u>21</u>	1.1.1	2N7.5W

### APPENDIX II

### STATEMENT OF EXPENDITURES

### STATEMENT OF EXPENDITURES

### Personnel

F.M.	Smith	Senior Geologist	\$76.55/day	4	days	\$ 306.20
н.с.	Boyle	Geologist	\$44.56/day	4	days	178.24
G.H.	Popp	Geologist	\$45.76/day	3	days	137.28
ь.к.	Eccles	Geologist's Asst.	\$28.96/day	4	days	115.84
A.G.	Robinson	Prospector	\$45.77/day	10	days	457.70
E.M.	Robinson	Labourer	\$20.48/day	4	days	81.92
K.L.	Jones	Draftsman	\$58.00/day	5	days	290.00

\$1,567.18

### Analytical Results

Geochemical analyses of 172 samples		
for Cu, Au. Min-En Laboratories Invoice No. 1760		834.20
	3	\$2,401.38

INVOI

№ 1760

MIN-EN LABORATORIES LTD. 705 WEST 15TH STREET NORTH VANCOUVER, B.C. Phone: 980-5814

DATE June 11/75. YOUR ORDER NO.

- TO . DuPont Epl.,
  - · 1550 Alberni St.,
  - · Vancouver, B.C.



### APPENDIX III

NAMES AND ADDRESSES OF	PERSONNEL WHO WORKED ON THE WELL PROJECT					
H. Craig Boyle	7 - 1019 Broughton Street Vancouver, B.C.					
Louise K. Eccles	782 West 22 Avenue Vancouver, B.C.					
George H. Popp	3354 East 27th Avenue Vancouver, B.C.					
Alfred G. Robinson	General Delivery Eagle Creek, B.C.					
Evans M. Robinson	General Delivery Eagle Creek, B.C.					

K. L. Jones

F. Marshall Smith

658 Mayflower Road . Richmond, B.C.

1004 West Aintree Crescent Richmond, B.C.







· ·· \_ ·

	· IOOO W BASE LINE	¥ 006 ·	× 008 : .	× 200 ×	<b>8</b> 600 <b>8</b>	500 W		· 300 W
LINE Q ···-	⊙7 		⊖ 20	O 17	O 22	ତ । ୨	Q 10	<u>;</u> 20
LINE ICO S	 ⊙ 21	O 17	() I 3	وا ()	⊙ ı7	وا ن	O 27	8ı ©
LINE 200 S	    :	O 25	Qн	() 2 2	<u>(</u> ) 24	⊙ I 2	© 16	O 33
LINE 300 S	   © 20	07	O 9	<b>⊙</b> 48	وا ن	() I6	و ن	() 16
LINE 400 S	 ⊙76 	04		0 13	O 23	© 17	Θu	O 170
LINE 500 S -	 	Ōzş	⊙10 ⊙ 47	⊙ n.s	وا ن	©25	() 21	0 8 2
LINE 600 S	0 45	<u>्</u> । e	0,	() is	⊖ I 7	() (B	() i 3	e ن
LINE 700 S	031	07	<del>ن او</del>	O 18	⊙ 21	O 34	O 70	() Z I
LINE BCO S	    : 	О IS		⊙3।	⊙ <b>4</b> 0	() 22	() <b>3</b> 1	⊙ 1 \$
LINE 900 5	0 37   	0 %	© 29	⊙ 32	<b>⊙</b> 46	() <b>6</b> 9	⊙ <b>15</b>	<b>⊙ 4</b> 4
LINE 1000 \$	34	©33		© \$7	0 45	0 25	<b>3</b> 37	© 25

.

### LEGEND

 $\odot^{17}$  . Soil sample location with  $c_0$  value in P.P.M.

 $\Delta^{53}$  — Rock sample location with GUVALUE in P.M.

- ▼30 SILT SAMPLE LOCATION WITH CU VALUE IN RRM.
- UNSAMPLED STATION
- CLAIM POST
- STREAM





### LEGEND

TUFFS AND FLOWS OF ANDESITE DIORITE AND RELATED INTRUSIVES 2 MONZONITE TO SYENITE INTRUSIVE 3 ··-\_\_\_\_ CONTACT OBSERVED CONTACT INFERRED ATTITUDE OF BEDDING CUT TRAIL o LEGAL CORNER CLAIM POST O IDENTIFICATION POST



## LEGEND

DATA FROM Linch = I mile G.S.C. AEROMAGNETIC SERIES									
		500	GAMMA	ISOMAGNE TIC	CONTOUR	(total field	)		
		100	п	in .		<b>n</b> 11			
		20		••	6	<b>b</b> 44			
		MAG	NETIC	DEPRESSION					