83-#596 - 11598

DU PONT OF CANADA EXPLORATION LIMITED

DIAMOND DRILLING REPORT

ON THE

CHAPPELLE CLAIMS

OMINECA MINING DIVISION

LAT. 57°17'N, LONG. 127°17'W

NTS: 94-E-6

Owner of Claims : Du Pont of Canada Exploration Limited
Operator of Claims: Du Pont of Canada Exploration Limited

Author : T.J. Drown
Date Submitted: 1983 11 10

Thomas J. Drown

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INTRODUCTION

Location

The Chappelle claims are located at 57°17'N latitude and 127°07'W longitude between Thutade Lake and Toodoggone River, 80 km west of the Rocky Mountain Trench.

Access

The claims are best reached by fixed wing aircraft to the Sturdee Valley airstrip some 280 km due north of Smithers. From the Sturdee Valley airstrip access to the Chappelle claims' camp, Baker Mine is by a good 13 km all weather gravel road.

The area worked on in this report in accessed by rotary wing aircraft from the Baker Mine about 3 km to the south.

Claim Distribution

The Chappelle claims consist of 168 two post and fractional mineral claims. Exploration work during the 1983 season was conducted over mining lease No. 13 and Chappelle No. 62. Work discussed in this report was conducted within Chappelle No. 62 only.

Chappelle No. 62 has the following record data:

Claim	Record No.	Tag No.	Record Date
Chappelle 62	95483	196962M	November

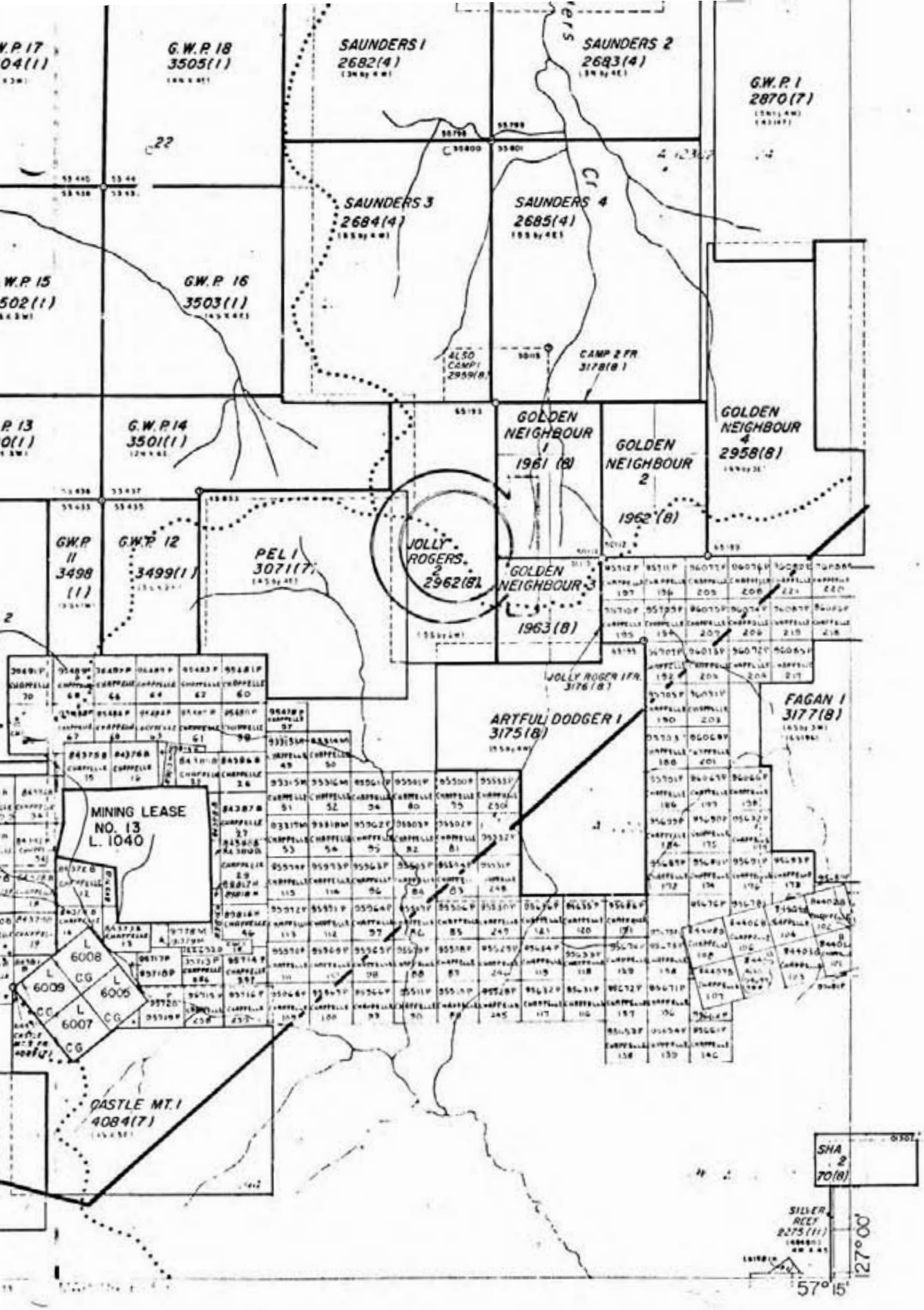
The current owner and operator of the claims is Du Pont of Canada Exploration Limited.

PROPERTY

History

The property was staked in 1968 by Kennco Exploration (Western) Limited as the result of a regional geochemical exploration program when quartz float containing high grade gold and silver were found by Gordon Davies. Subsequent work in the property during 1969, 1970, 1971 and 1972 exposed a 250 x 2 m quartz vein containing zones of high grade gold and silver.

Con West Exploration optioned the claims in late 1972 and paid the costs of building an airstrip at Black Lake, a road to the camp and about 123 m of drifting at the 5400' (1650 metre) elevation. They intersected the vein 50 metres below the surface in a barren section of quartz and subsequently dropped the option.



2 Miles

3000 Metres

3 Kilometres

UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH. FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED

DATE OF MICROFILM: 82.07.28

G AND PETROLEUM RESOURCES

This map is prepared only as a guide to the location of mineral claims and Placer Mining Leases in

Du Pont of Canada Exploration Limited optioned the property in 1974 and undertook a drilling program during the summers of 1974 and 1975 which led to the driving of two raises into the mineralized portions of the vein and the establishment of about 57,000 tons of ore-grade material.

In 1979, further diamond drilling was completed and a new adit at the 1690 metre elevation was driven with a view to sampling the mineralization and determining the characteristics of the deposit. Construction of a 100 ton per day mill commenced in 1980 and full scale production commenced in early 1981.

From 1981 to 1983 approximately 3478 m of surface diamond drilling and 832 m of underground diamond drilling was completed in 37 holes on and around mining lease No. 13.

During 1983 August approximately 139 m of surface diamond drilling was completed on Chappelle No. 62 approximately 3 km north of the Baker Mine. Drawing No. C 83-24 shows the location of drill holes relative to the Chappelle claims and Mining Lease No. 13.

Summary of Work Performed

In 1983, 139 m of surface diamond drilling was completed in 2 holes. Work was done to test the economic potential, down-dip of an intensely argillically altered zone outcropping at surface containing anomalous mercury and arsenic.

Drilling was completed by D.W. Coates Enterprises Ltd using a helicopter supported Longyear Super-38 drill. Core of NQ size was drilled and all core is stored in lided boxes at the Baker Mine site. Drilling was conducted from 1983 August 26 - 1983 September 1.

GEOLOGY

Reconnaissance geological mapping of the area around Chappelle No. 62 and the adjacent Pel claims indicate the area of drilling is underlain by a somewhat monotanous succession of Toodoggone Volcanic rocks cut by an intensely clay altered zone about 5 m wide.

Adjacent to the altered zone is a pyritic, sequence of feldspar porphyritic rocks probably of Toodoggone origin.

Weathering of these pyritic porphyries has caused the development of a significantly large gossan.

LITHOLOGY

Dacite Porphyry

This rock where fresh is a grey to dark green porphyritic rock with white feldspar phenocrysts imparting a spotted appearance. One to 3 mm euhedral and anhedral plagioclase and orthoclase phenocrysts are scattered throughout the rock in a grey-green felsic aphanitic groundmass. Minor tuffaceous sections occur in drill core over 30-60 cm intervals with lapilli clasts of material similar to the host although much finer grained. Overall the rock consists of 60% plagioclase, 15% othoclase, 10% quartz, 10% chlorite, 1-2% pyrite, traces of white zeolite, calcite and very minor biotite and hornblende.

This rock is typically porphyritic but is locally variable with sections containing tuffaceous clasts, quartz eyes, massive flows and breccias.

Within gossanous outcrops the rock appears identical to that observed in drilling but with 3-5% disseminated pyrite and argillically altered feldspars.

ALTERATION

Argillic

Alteration of the dacite is restricted to a 5-8 m wide zone striking approximately north-northwest, dipping roughly 20° to the west, approximately paralleling bedding within the Toodoggone volcanics. Alteration is variable in intensity and consists of partial to total replacement of the feldspars and felsic groundmass to a fine mixture of kaolinite, alunite, dickite quartz and minor hematite. The altered zones encountered in both drill holes are typically light beige to white, very soft and frequently ribboned by reddish hematite staining. Relic porphyritic and/or tuffaceous textures are common with frequent quartz eyes ranging from 0.5-2 mm diameter.

Chloritic

Chloritic alteration is apparent within the footwall dacite porphyry in both drill holes. Here chlorite occurs as patches replacing mafics (hornblende and biotite) and on occasion as patches within the otherwise felsic groundmass. The chlorite appears related to the hydrothermally altered argillic zone in that it is distal to the argillic zone. This is typical of propyllitic alteration around hydrothermally altered zones elsewhere in Toodoggone Volcanics.

GEOCHEMISTRY

A 26 element I.C.P. analysis was undertaken on clay altered core samples by Min-En Laboratories. The results of this analysis are summarized on Drawing C83-25. Results are here compared between drill holes rather than with fresh unaltered rocks to determine whether a depth zoneation exists within the alteration zone itself. Metals that show a marked increase with depth in the altered zone are; As, Bi, Fe, Mn, Mo, Pb, U, V, Se and Hg.

Metals that show a significant decrease in values with depth are; Mg and Na. Other metals report near equivalent values or erratic values that cannot be correlated.

Gold values report a modest increase although still in the background range.

CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling in the vicinity of a hydrothermal alteration zone composed of kaolinite, alunite, dickite, quartz and hematite has shown the zone to be continuous at depth although dipping at less than 30 degrees to the west. The zone does not contain significant precious metal values although several trace elements (Hg, Ba, As) report above average values and are often related to hydrothermally deposited precious metals.

Several trace elements show a modest increase in concentration with depth.

The absence of a significant increase in precious metal values and the gentle dip of the altered zone precludes further diamond drilling at this time. There is, however, a remote chance that precious metal concentrations may be found several hundreds of metres down dip of the zone.

COST STATEMENT

1.	Diamond Drilling	$ 9,533.50
2.	Hole Stabilization	549.00
3.	Testing (acid dip tests)	125.10
4.	Materials consumed (drill wind, bits, core boxes, rods)	2,019.42
5.	Mobilization/Demobilization (Contractor)	5,932.80
6.	Mobilization/Demobilization (Company)	
	- D-7 Cat Tractor 5 hrs @ $85/hr	1,050.00
	- Flat-Deck Truck 2 hrs @ $85/hr	170.00
	- Equipment Operator 7 hrs @ $20/hr	140.00
		$ 1,360.00
7.	Full Consumed; Diamond drill & pumps	
	- 210l/day x 2 days x $0.63/l	264.60
8.	Assaying	
	Min-En Laboratories Ltd (Invoice No. 3150A)	
	11-rock geochem. - 26 element I.CP. @ $7.50 ea	82.50
	11-rock geochem. - Ag, Hg, Au @ $11.25 ea	123.75
	11-rock geochem. prep.	27.50
		$ 233.75
9.	Room and Board	
	4 drillers - Aug. 26 - Sept. 2 x $35/day	1,120.00
	1 geologist - Aug. 26 - Aug. 31 x $35/day	210.00
		$ 1,330.00
15.	Rotary Aircraft Support	
	ALC Airlift Corporation 14.9 hrs @ 425/hr + $115/hr (fuel and oil)	8,046.00
16.	Airfreight	
	- C-GDOX (Twin Otter)	
	2000 lbs drill mud @ $0.20/lb	400.00
17.	Airfares	
	- 5 persons, Smithers-Sturdee VAlley and return to Smithers @ $80.00 ea.	560.00
	- 3 persons, Vancouver-Smithers and return @ $285.80	1,157.40
	- 2 persons, Kamloops-Smithers and return @ $412.60	825.20
		$ 2,542.60

18.	Report Preparation compilation/drafting/copying	800.00
GRAND TOTAL		$33,136.77

QUALIFICATIONS

I, Thomas J. Drown, do hereby certify that:

1. I am a geologist residing at 407 Cardiff Way, Port Moody, British Columbia and employed by Du Pont of Canada Exploration Limited.

2. I am a graduate of the University of British Columbia with a B.Sc. degree in honours geology.

3. I have practised my profession in geology for approximately eight years in various jurisdictions in Canada.

4. Between 1982 December 1 and 1983 August 20, I supervised/ directed a field program on the BILL claims on behalf of Du Pont of Canada Exploration Limited.

Thomas J. Drown

Thomas J. Drown
1983 November 3

APPENDIX A

DIAMOND DRILL LOGS

DIAMOND DRILL HOLE RECORD

DRILLED BY: D.W. Coates Enterprises Ltd
HOLE NUMBER: 583-26 LENGTH: 256'
LOCATION: Chappelle No. 61 DIP: -45° @ Collar
LATITUDE: 131 + 00n (mine grid) DEPARTURE: 1 + 00e
ELEVATION: 5,800' AZIMUTH: 98° (mine grid)
HOLE STARTED: 1983 August 28 HOLE COMPLETED: 1983 August 30

ACID B/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
250'	-45°				

SHEET No. 1 OF: 4
HOLE NUMBER: 583-26
PROPERTY: CHAPPELLE
ACCOUNT No.: 714-00
CORE SIZE: NQ
% CORE RECOVERY: 98%
LOGGED BY: T.J. Brown

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS
				C-Colour; T-Texture; M-Major minerals, % of total; m-minor minerals plus metallics/sulphides; A-Alteration; H-Hardness.							
0.0	23.0	23.0	0.0	Casing to 23'.							
23.0	29.8	6.8	6.5	Feldspar Porphyry tuff; Kaolinized. C-beige to pink; T-porphyritic with tuffaceous clasts of massive kaolinite. M-kaolinite 80%, quartz 10-15% (mostly as eyes); m-hematite 3%. A-kaolinization; almost total except for occasional relic feldspar phenos and quartz eyes. H-4 1/2.	5015		23.0	29.8	6.8	6.5	
29.8	41.0	11.2	11.0	Welded tuff. C-maroon and white banding. T-banded and porphyritic; flow banding with welded (compressed appearance). Plagioclase to 2 mm, usually oriented parallel to banding. Banding (bedding) at 40° to C.A. M-kaolinite 60%, hematite 20%, quartz 10%; m-sericite? A-kaolinization (possibly other clays too) of groundmass and phenocrysts. H-4. Bedding at 40° to C.A.							

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S84-26 SHEET NUMBER 2 OF 4

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	% SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS oz/ton Au	ASSAYS oz/ton Ag			
41.0	52.0	11.0	9.8	Quartz-eye Dacite (intensely altered). C-white to light beige. T-tuffaceous angular and rounded clasts to 1" diameter. M-clays (kaolinite, alunite?) 90%, quartz 10%. A-intense clay altered. H-3 1/2. U/C at zone at 35° to C.A.; L/C @ 50° to C.A.	5016	Tr.	45.0	52.0	7.0	6.5					
52.0	66.5	14.5	14.5	Same as above 41-52' with less bleaching. C-grey and white mottled (80% grey). T-tuffaceous to brecciated. M-clays, (as above); m-pyrite 2% as veinlets. A-intense clay alteration; grey where less altered. H-4 1/2.	5017	2%	52.0	59.0	7.0	7.0					
66.5	69.0	2.5	2.5	Massive clay rock. C-white. T-massive with occasional quartz eyes to 3 mm. No other textures. M-clay; (kaolinite?) quartz 10%. A-kaolinitization; total. H-3 1/2.	5018	—	66.5	69.0	3.5	3.5					
69.5	75.0	4.5	4.5	Kaolinitic fault gouge 50° to C.A. C-white with rusty patches. M-clays 95%; m-limonite and quartz, tr.											
75.0	101.0	26.0	25.5	Fault gouge. Intensely crushed greyish volcanic rock. Occasional relic plagioclase phenos visible. L/C at 50° to C.A.											
101.0	114.5	13.5	12.5	Dacite Porphyry. Clay altered. C-grey, white speckled by plagioclase relics. T-porphyritic; 1-3 mm euhedral plagioclase floating in grey aphanitic groundmass. M-plagioclase											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S83-26 SHEET NUMBER 3 OF 4

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS
				relics 55%, mostly to kaolinite, quartz 10% (eyes and patches), groundmass 30%; m-biotite relics, chloritized now 3%, pyrite, Tr. A-all feldspars kaolinitized; biotite to chlorite groundmass clay altered. H-4.							
114.5	132.0	17.5	17.5	Same as above with <20% kaolinitic alteration; relatively fresh. C-dark grey-green. Occasional red zeolite and carbonate stringers at 45° to C.A.							
132.0	162.0	30.0	30.0	Dacite Porphyry tuff. C-dark green with white speckles from feldspars. T-mixed porphyritic and tuffaceous. Massive and porphyritic clasts of dacite-andesite floating in porphyry of same composition. Plagioclase phenos range from 1 mm to 3 mm long x 1-2 mm wide, mostly white, euhedral and randomly oriented. M-plagioclase 60%, quartz 10%, chlorite 10%; m-amphibole (largely chloritized 5-10%). Faulting at 141' @ 20° to C.A.; 1" chl. gouge. Faulting at 151.5' @ 70° to C.A. 2" chl. gouge. A-chloritization of mafics; weak clay alteration of feldspars. H-4 1/2.							
162.0	164.0	2.0	2.0	Dacitic-carbonaceous breccia. C-dark green; with black patches of carbonaceous matter, filling in the bx. matrix. T-brecciated; angular and subangular fragments of massive and porphyritic dacite porphyry in mixture of f.g. dacite							

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 583-26 SHEET NUMBER 4 OF 4

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RECVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % VALUES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RECVRY	ASSAYS				
				and black carbonaceous material. M-plagioclase 50%, carbon-											
				aceous matter 20%, chlorite 15%, kaolinite 10%; m-zeolites											
				(pink and white). A-chlorite and some clays; H-4.											
164.0	256.0	92.0	91.0	Dacite Porphyry tuff. Similar to 132-162'. C-dark green,											
				white and pink speckled by plag. and zeolites. T-porphyritic											
				and tuffaceous as above 132-162'. M-plagioclase phenos 40%,											
				matrix 30%, rock clasts (f.g. massive and porphyritic) 20%;											
				m-zeolites 5%, calcite 3%, chlorite 8%. A-propyllitization;											
				calcite-chlorite ± zeolites; very minor pyrites. H-4 1/2.											
				Faulting at 172' @ 60° to C.A.											
				Faulting at 166' @ ? attitude.											
				Faulting at 195' @ 15° to C.A. 1/4" gouge.											
				Faulting at 197' @ 30° to C.A. 3" gouge.											
				Faulting at 212-214' @ 30° to C.A. - gouged.											
				Faulting at 230' @ 75° to C.A. 2" clay gouge.											
				Faulting at 235.5-236'; crushed zone; attitude?											
				Faulting at 246-246.8' crushed zone with 0.8' clay-chlorite											
				gouge @ 55° to C.A.											
				Bedding @ 35° to C.A. at 180'; from alignment of plagioclase											
				phenos and tuffaceous clasts.											
				FOOT OF HOLE.											

DIAMOND DRILL HOLE RECORD

DRILLED BY: D.W. Coates Enterprises Ltd
HOLE NUMBER: S83-27 LENGTH: 201'
LOCATION: Chappelle No. 61 DIP: -80°
LATITUDE: 131 + 00n (mine grid) DEPARTURE: 1 + 00e
ELEVATION: 5,800' AZIMUTH: 98° (mine grid)
HOLE STARTED: 1983 August 30 HOLE COMPLETED: 1983 August 31

ACID &/OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
195'	-80°				

SHEET No. 1 OF: 3
HOLE NUMBER: S83-27
PROPERTY: CHAPPELLE
ACCOUNT No.: 714-00
CORE SIZE: NQ
% CORE RECOVERY: 99%
LOGGED BY: T.J. Drown

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS
				C-Colour; T-Texture; M-Major minerals, % of total; m-minor minerals and sulphides; A-Alteration; H-Hardness.							
0.0	10.0	10.0	0.0	Overburden. Casing to 10'.							
10.0	22.0	12.0	11.5	Dacite Porphyry. C-maroon. T-porphyritic; <1 to 2 mm euhedral plagioclase phenos in maroon hematitic aphanitic groundmass. M-plagioclase 55%, hematite 25%, kaolinite 10%; m-quartz 10%. A-hematization; intense colouring by reddish hematite clay (kaolinite) alteration of plagioclase. H-4 1/2-5.							
				Faults at 15.8-16.2' @ 45° to C.A.							
				17.0' @ unknown attitude; 2" gouge.							
				20-21.5' @ 60° to C.A. much clay gouge.							
22.0	24.4	2.4	2.4	Clay fault gouge: yellow and purple @ 30° to C.A.							
24.4	39.5	15.1	15.1	Dacite porphyry tuff. C-maroon-pink. T-porphyritic to	5019		34.0	39.5	5.5	5.5	

BOY. 3.76

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 583-27 SHEET NUMBER 2 OF 3

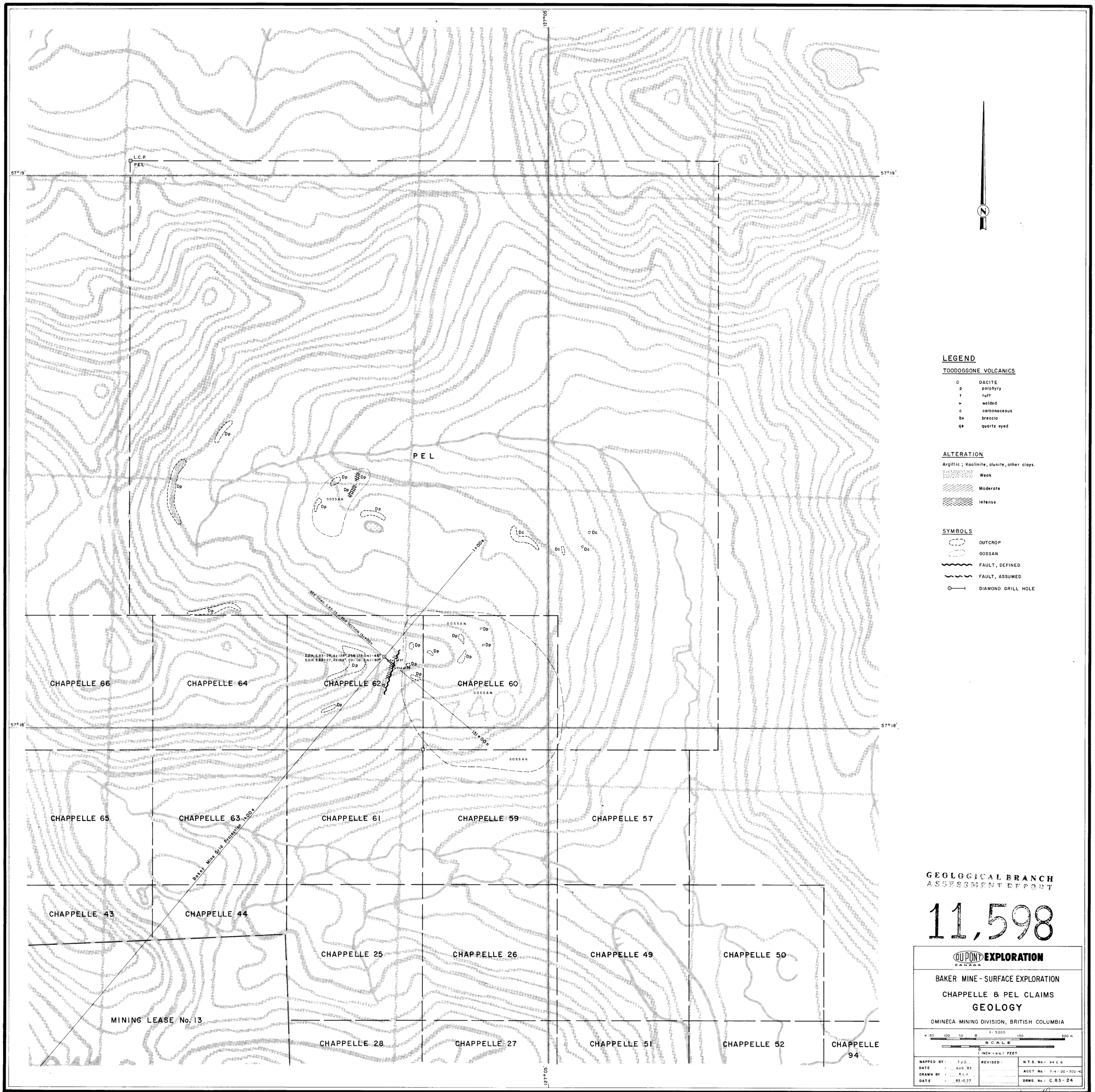
FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RECVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RECVRY	ASSAYS				
				tuffaceous. Clasts of maroon dacite porphyry with 1-3 mm plagioclases welded together in thin 1-3" irregular beds/ lenses with frequent white-pink clay knots bent and welded to tuffaceous layers. M-plagioclase 40%, clay 35%, hematite 20%; m-quartz 5%. A-hematization; appears syngenetic, kaolinization of felsic knots, possibly during deposition. H-4 1/2. Bedding prominent at 50° to C.A. Lower reaches of interval are similar to discovery outcrop 160' ahead of collar.											
39.5	67.5	28.0	27.5	Quartz-eye tuff: kaolinitized intensely. C-creamy white with limonite on fractures. T-massive where kaolinitic and rounded quartz eyes along bedding planes (1-2 mm across). M-kaolinite (possibly either clays as well) 85%, quartz 15% (quartz eyes). A-kaolinitization. H-4. 62-67.5' - rock contains gray, less kaolinitized isolated patches 1" wide x 2" long.	5020		39.5	43.5	4.0	4.0					
					5021		43.5	47.5	4.0	4.0					
					5022		47.5	51.5	4.0	4.0					
					5023		51.5	56.0	4.5	4.5					
					5024		56.0	62.0	6.0	6.0					
					5025		62.0	67.5	5.5	5.5					
67.5	70.0	2.5	2.5	Fault zone with intensely gouge rock of same composition to above 39.5-67.5'. Contacts crushed, assumed to be steep.											
70.0	150.0	80.0	78.6	Dacite Feldspar Porphyry. C-grey to dark green; white speckled by plagioclase phenos. T-porphyritic 1-3 mm euhedral and anhedral plagioclase phenos in grey-green aphanitic felsic groundmass. In part tuffaceous, over 0.5-1' intervals.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: SB3-27

SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
					NUMBER	% SULFIDES	FOOTAGE								
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY					
				M-plagioclase 60%, chlorite 15%, quartz 10-15%; m-pyrite											
				trace, hornblende ± biotite trace, calcite 3-5%, zeolites 1%.											
				Fracturing @ 35°, 80°, 45° & 60° to C.A.											
				138-145.2' - heavy limonite stained zones with 15-25%											
				zeolite/calcite (shear zone?).											
				Frequent 1/4-1/2" calcite-zeolite stringers along fractures.											
				Occasional 1-2" calcite-gypsum veinlet at 50° to C.A.											
150.0	201.0	51.0	51.0	Dacite-Feldspar-Biotite Porphyry. C-dark grey-green, pink-											
				white speckled. T-c1-4 mm anhedral and euhedral (40:60)											
				plagioclase phenos and 1-3 mm biotite books in greenish-											
				grey aphanitic felsic groundmass. M-plagioclase, white 20%,											
				pink 45%, biotite 15%, chlorite 10%; m-calcite 5%, zeolites											
				3%, hematite (staining of plagioclase) trace, gypsum trace											
				as fractures coatings. A-clay alteration of feldspar;											
				chlorite alteration of mafics, hematite staining of plagio-											
				clase. H-4-4 1/2. Rock is partially pyroclastic with											
				segments up to 10" containing clasts 2-3" long x 2" wide.											
				No faulting observed this section.											
				FOOT OF HOLE. 201'.											


127°05'
57°19'
57°18'
L.C.P.
PEL
PEL
Dp
Dc
GOSSAN
1+00s
131+00n
SEE DRWG. C.83-25 FOR SECTION 131+00n
D.D.H. S.83-26, Az 138°, 258' (78.0m) - 45°
D.D.H. S.83-27, Az 138°, 201' (61.3m) - 80°
CHAPPELLE 66
CHAPPELLE 64
CHAPPELLE 62
CHAPPELLE 60
CHAPPELLE 65
CHAPPELLE 63
CHAPPELLE 61
CHAPPELLE 59
CHAPPELLE 57
Baker Mine Grid Projection 1+00s
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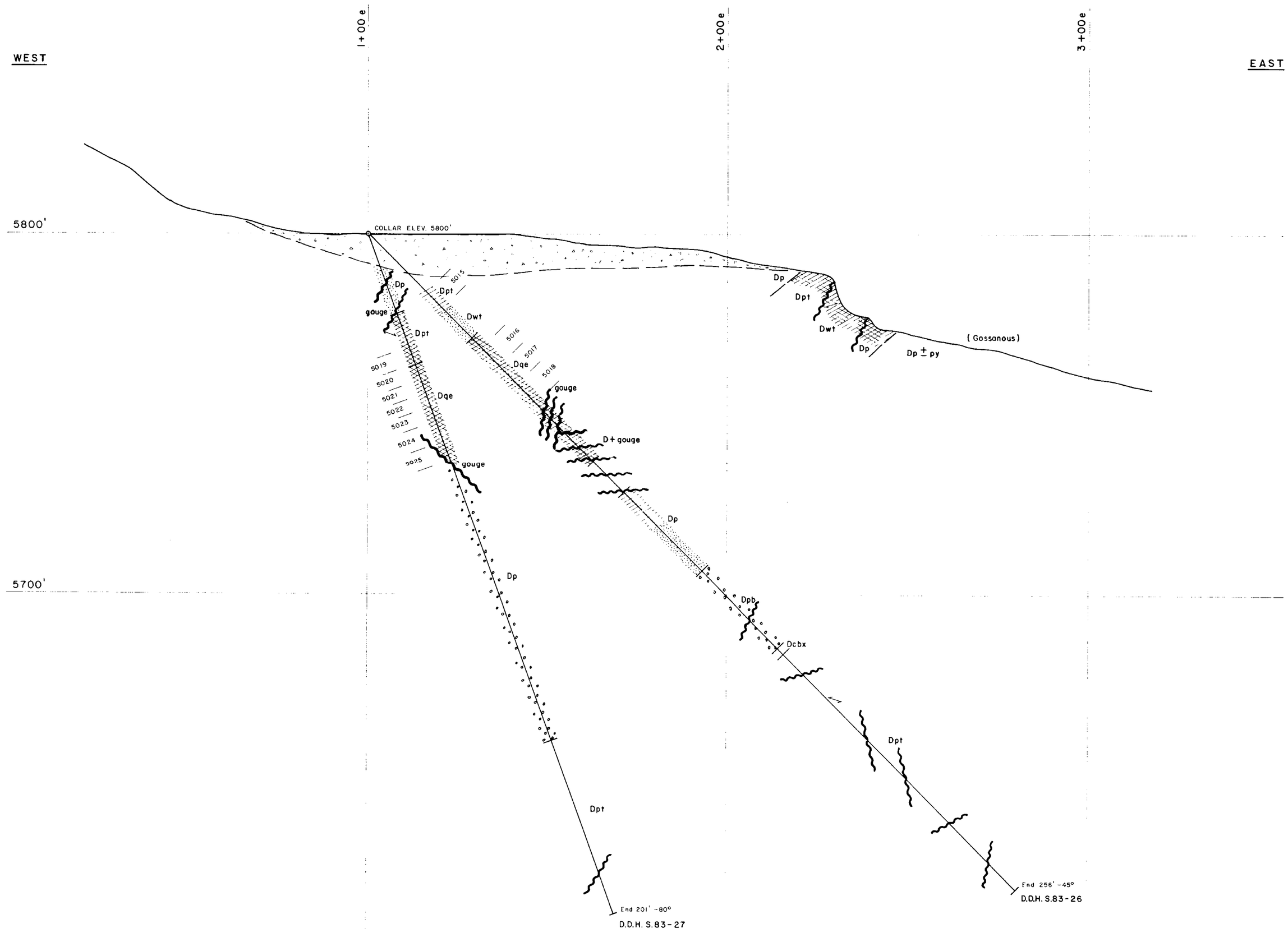
CHAPPELLE 44
CHAPPELLE 25
CHAPPELLE 26
CHAPPELLE 49
CHAPPELLE 50
MINING LEASE No. 13
CHAPPELLE 28
CHAPPELLE 27
CHAPPELLE 51
CHAPPELLE 52
CHAPPELLE 94
N
LEGEND
TOODOGGONE VOLCANICS
D DACITE
p porphyry
t tuff
w welded
c carbonaceous
bx breccia
qe quartz eyed
ALTERATION
Argillic ; Kaolinite, alunite, other clays.
Weak
Moderate
intense
SYMBOLS
OUTCROP
GOSSAN
FAULT, DEFINED
FAULT, ASSUMED
DIAMOND DRILL HOLE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
11,598
DUPONT CANADA EXPLORATION
BAKER MINE - SURFACE EXPLORATION
CHAPPELLE & PEL CLAIMS
GEOLOGY
OMINECA MINING DIVISION, BRITISH COLUMBIA
1 : 5000
m 150 100 50 0 150 300 m
SCALE
0
1 INCH = 416.7 FEET
MAPPED BY : T.J.D.
DATE : AUG. '83
DRAWN BY : K.L.J.
DATE : 83.10.27
REVISED :
N.T.S. No.: 94 E 6
ACCT No.: 714-00-300-40
DRWG. No.: C.83-24



COMPANY: DUPONT OF CANADA
PROJECT No: 714-00-300
ATTENTION:

MIN-EN LABS ICP REPORT
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(ACT:GEO3A+) PAGE 1 OF 3
FILE No: 3-946R
DATE: SEPTEMBER 30, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
5015	2.0	2580	0	0	0	201	0	2	2	3130	23	53
5016	2.2	5370	0	1	0	100	0	1	2	2230	18	12
5017	3.0	5670	0	2	0	82	0	5	13	8780	3	13
5018	9.5	7500	0	5	0	197	0	1	2	9670	74	62
5019	2.5	5300	0	1	0	128	0	0	0	1040	8	7
5020	3.0	4900	0	3	0	131	.8	2	0	11800	14	14
5021	1.0	4060	0	2	0	119	0	0	14	4610	4	8
5022	2.0	3260	0	1	0	170	0	1	14	7290	9	8
5023	3.8	4570	12	2	3	186	0	4	6	10600	13	13
5024	4.0	5000	21	3	8	176	.5	3	14	16800	14	20
5025	4.5	6790	0	4	2	108	0	2	6	16500	82	49

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
5015	12	1	0	0	3	4	0	24	2	0	36.0	0
5016	3	2	10	2	75	0	0	112	0	1	24.9	0
5017	2	7	1	0	80	0	1	73	2	0	32.3	0
5018	2	5	32	0	322	15	3	53	1	7	39.3	0
5019	2	3	0	1	28	1	0	70	0	10	30.1	0
5020	1	3	0	1	18	1	4	63	0	14	75.1	0
5021	2	11	0	0	36	3	1	46	0	8	66.6	0
5022	3	11	0	1	60	5	0	44	0	0	58.5	0
5023	0	8	4	3	85	10	1	83	1	11	49.7	0
5024	0	11	5	2	216	7	7	62	4	17	48.5	0
5025	0	7	101	1	364	22	4	108	4	5	47.8	0

(REPORT VALUES IN PPM)	BA	SE	HG-PPB	AU-PPB
5015	2230	16	50	<5
5016	1070	10	1250	5
5017	1120	43	1500	5
5018	52	36	400	<5
5019	813	6	8000	25
5020	866	39	1450	10
5021	625	42	5350	5
5022	666	39	7000	10
5023	2910	43	5400	5
5024	1080	129	1800	5
5025	52	25	600	<5

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,598

LEGEND

TOODOGGONE VOLCANICS

D	DACITE
p	porphyry
t	tuff
w	welded
c	carbonaceous
bx	breccia
qe	quartz eyed

ALTERATION

Argillic ; Kaolinite, alunite, other clays.

Weak

Moderate

Intense

Chlorite, replacing matrix & feldspars

Weak

Bedding

Fault

DUPONT EXPLORATION
CANADA

BAKER MINE - SURFACE EXPLORATION
CHAPPELLE & PEL CLAIMS
SECTION 31+00n
D.D.H.'s S.83-26 & 27

OMINECA MINING DIVISION, BRITISH COLUMBIA

SCALE
20 0 20 40
1 INCH = 20 FEET

MAPPED BY : T.J.D.	REVISED :	N.T.S. No.: 94 E 6	
DATE : 83.08.31		ACCT No.: 714-00-300-40	
DRAWN BY : K.L.J.		DRWG. No.: C.83-25	
DATE : 83.10.26			