82-612-10662

DU PONT OF CANADA EXPLORATION LIMITED

DIAMOND DRILLING REPORT

ON THE

CHAPPELLE CLAIMS

OMINECA MINING DIVISION

LAT. 57°17'N, Long. 127°07'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: 1982 09 08

Thomas J. Drown

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INTRODUCTION

1. Location

The Chappelle claims are situated at 57°17'N latitude and 127°08'W longitude between Thutade Lake and Toodoggone Lake, 80 km west of the Rocky Mountain Trench. Air distance to Smithers, B.C. is 228 km at azimuth 180°.

2. Access

The claims are best reached by flying to the 1676 m Sturdee Valley airstrip at 57°13'N Latitude and 127°06'W longitude and travelling by a 16 km road to the Baker Mine camp. From here the work area is accessed by helicopter, approximately 4 km to the east.

3. Claim Definition

The Chappelle claims consist of 168 two post and fractional mineral claims. Exploration work was completed over the following claims with their respective record data:

Claim	Record No.	Tag No.	Record Date
CHAPPELLE 4	60864	877174	1982 09 10

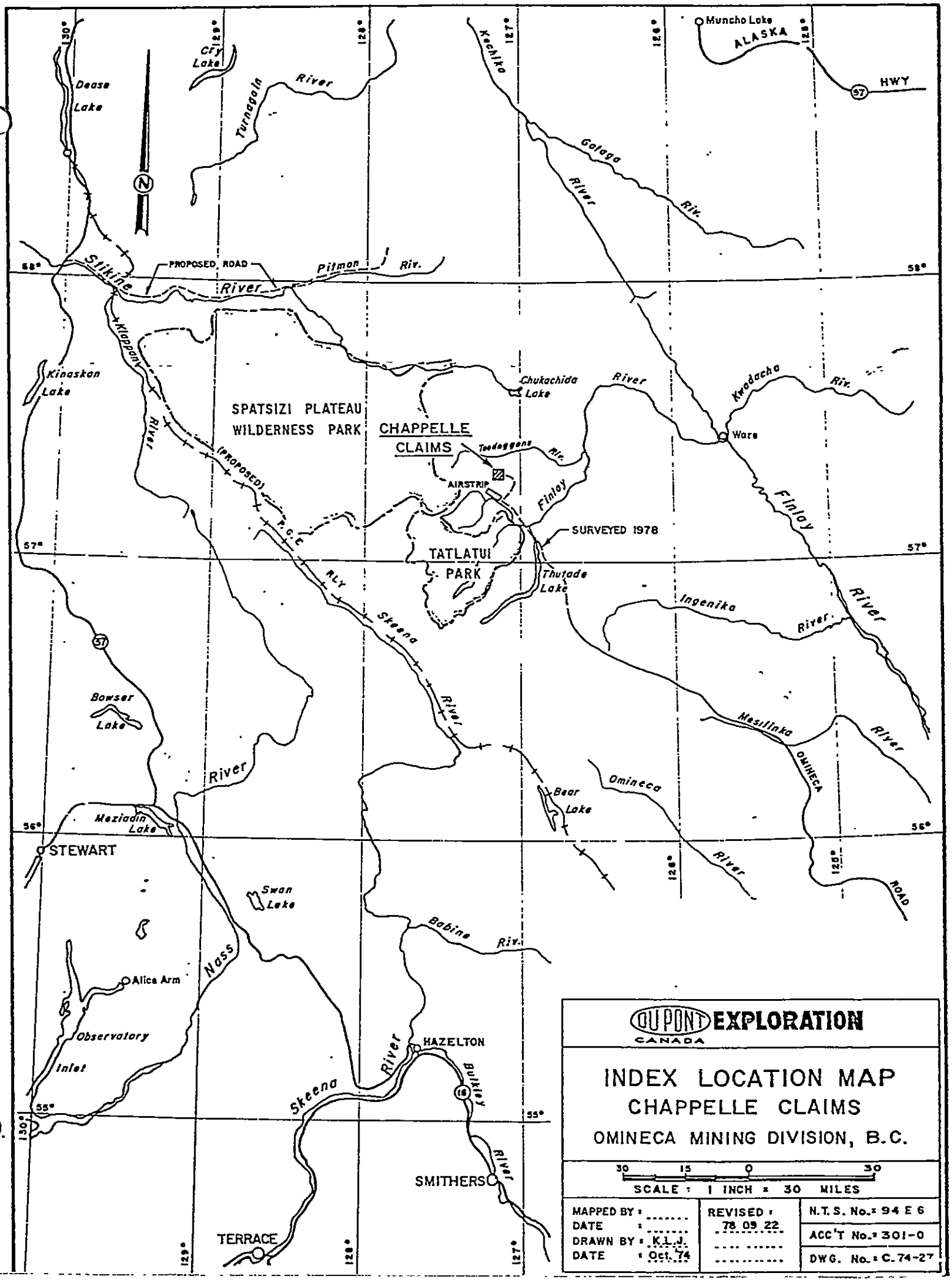
The current owner and operator of the claims is Du Pont of Canada Exploration Limited.

PROPERTY

1. History

The property was staked in 1968 by Kennco Exploration (Western) Limited as the result of a regional geochemical exploration programme when quartz float containing high grade gold and silver were found by Gordon Davies. Subsequent work on 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 213 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.



DUPONT EXPLORATION
CANADA

INDEX LOCATION MAP
CHAPPELLE CLAIMS
OMINECA MINING DIVISION, B.C.

30 15 0 30
SCALE : 1 INCH = 30 MILES

MAPPED BY :	REVISED : 78 09 22	N.T.S. No.: 94 E 6
DATE :	.....	ACC'T No.: 301-0
DRAWN BY : K.L.J.	.....	DWG. No.: C.74-27
DATE : Oct. 74	.....	

Du Pont Exploration's new (from Kennco) vice-president, Dave Barr, optioned the property in 1974 and authorized a drilling programme 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.

2. Summary of Work Performed

A total of 1432 feet (436 m) of NQ/BQ surface diamond drilling was completed in two holes. Work was done to test the down dip ore potential of Vein "A" below the 5400 foot level.

3. Current Owner

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

Work Summary -

a) Size of Core : NQ & BQ

b) Storage of Core: In a core rack at the Baker Mine campsite.

c) Purpose of Drill Programme:

To test the down dip ore potential of "Vein A" below the 5400 foot level.

DRILLING COST STATEMENT

1.	Diamond Drilling		$23,476.15
2.	Hole Stabilizing		$ 2,707.60
3.	Testing (Acid Tests)		$ 241.80
4.	Materials Consumed		
	Drilling Mud	2,448.25	
	Bits, shells, rods, etc.	6,047.50	
	Core boxes with lids	425.50	
			$ 8,921.25

5. Standby

Labour: 28 hours @ $18.50/hr	518.00	
Drill: 14 hours @ $14.00/hr	196.00	
		$ 714.00

6. Mobilization and Demobilization

Contractor Costs	4,500.00	
Company Costs:		
- 950 CAT loader $70/hr x 4 hrs	280.00	
- Truck and crane $85/hr x 6 hrs	510.00	
- Equipment Operator $40/hr x 10 hrs	400.00	
		$ 5,690.00

7. Moving between Drill Holes

Contractor Costs:		
- $20.20/hr x11 hrs	222.20	
Company Costs: D7 CAT		
- $180/hr x 6.5 hrs	1,170.00	
		$ 1,392.20

8. Drillsite Construction

D7 CAT: $180/hr x 7.5 hrs $ 1,350.00

9. Fuel Consumed

Drill and Pumps:		
- 110 l/day x13 days x$0.613/l	876.59	
D7 CAT:		
- 25 l/hr x14 hrs x$0.613/l	214.55	
		$1,091.14

10. Assaying

17 rock/core samples assayed for Au and Ag by Min-En Laboratories, @ $19.25 ea with preparation $ 372.25

11. Room and Board

4 Drillers:	
- 52 mandays @ $35/day	$1,820.00
1 Drill Foreman:	
- 5 mandays @ $35/day	175.00

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 seven years in various jurisdictions in Canada.

4. Between 1982 August 1 and 1982 August 20, I supervised/ directed a diamond drilling programme on behalf of Du Pont of Canada Exploration Limited.

Thomas J. Drown
1982 September 8

APPENDIX A

DIAMOND DRILL LOGS

DIAMOND DRILL HOLE RECORD

DRILLED BY: D.H. COATES ENTERPRISES
HOLE NUMBER: Longyear Sup 38 LENGTH: 637'
LOCATION: Chappelle DIP: -85° @ Collar
LATITUDE: 7056.8 n DEPARTURE: 39352.2 e
ELEVATION: 5785.9' AZIMUTH: 130°
HOLE STARTED: 82-08-07 HOLE COMPLETED: 82-08-14

ACID &/OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
393'	-85°				
637'	-83°				

SHEET No.1 OF: 6
HOLE NUMBER: S82-1
PROPERTY: Chappelle
ACCOUNT No.: 714-00
CORE SIZE: NQ/BQ
% CORE RECOVERY:
LOGGED BY: T. 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 oz/ton Au	ASSAYS oz/ton Ag
0	60'	60'	0	Casing to 60' due to caving overburden and badly weathered bedrock.								
60	84	14	90	Quartz eye feldspar porphyry. Grey, fine grained matrix with 1/8" Feldspar phenos and 1/8-1/4" Quartz eyes. Num. fractures @ 40°, 60°, 20°, 70° to axis. 3-5% f.g. disseminated pyrite; rusty on fractures.								
84	90	6	5	Broken drill bit in hole, no core retrieved, reamed with tri-cone to 90' to clear bit from hole.								
90	96	6	60	Fault zone with 20% rock, 40% fault gouge. Very oxidized.								
96	100	4	90	Silicified andesite. Medium green knots of chlorite and pyrite blebs in matrix of 60% quartz. 20% volcanic rock. Badly broken core.	5501	10	96	100	4.0	90	0.002	0.06
100	107.5	7.5	90	Amphibole andesite porphyry. Dark to medium green. 5-10%								

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-1 SHEET NUMBER 2 OF 6

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 oz/ton Au	ASSAYS oz/ton Ag
				disseminated Py. Mafics partly altered to chlorite-pyrite. Highly fractured with pyrite sineous on fracture surfaces.								
107.5	117	9.5	90	Bleached, clay altered amphibole andesite porphyry. Light green to grey. 10% f.g. disseminated pyrite. Remnant mafics visible. Alt'd to chlorite-pyrite.								
117	119	2.0	80	Silicified andesite. Light green to grey. 10% disseminated pyrite. 10% chlorite patches. 50% quartz occasional as criss crossing veinlets.	5502	10	113	119	2	80	0.003	0.07
119	142.5	23.5	95	Amphibole andesite porphyry. Dark to medium green. Amphibole phenos to 5 mm across. 10% disseminated pyrite. Core very magnetic. Occasional visible bleb of magnetite. Core highly broken to <2" pieces.								
142.5	147	4.5	0	Lost core due to mechanical problems with core tube lock.								
147	184.5	37.5	100	Amphibole andesite porphyry. Dark green. 10% disseminated py. Magnetic. Broken to <3" pieces. Frequent zeolite veining and pyrite stringers. Fractures mostly at 15°, 75° and 60° to core axis.								
184.5	193.0	8.5	100	Dacite feldspar porphyry. Quite siliceous with occasional quartz stringers. Occasional tiny quartz eyes. Fp. phenos								

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-1 SHEET NUMBER 3 OF 6

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
				<1/10" across. Beige to grey in colour.							
193.0	228	35	90	Amphibole andesite porphyry. Dark green pyritic (10% diss.). Broken to <2" pieces. Occasional zeolite stringers.							
				204'-207' Lost core, tube mislatched.							
				224-227 Lost core, tube mislatched.							
228	240	12	100	Dacite, grey, f.g., 5% f.g. disseminated pyrite. Possibly silicified andesite. Visible chlorite patches.							
240	357	117	90	Quartz feldspar porphyry. Beige; euhedral feldspar phenos to 1/4" across. 5-10% f.g. disseminated pyrite. Numerous fractures with pink and white zeolite coatings. Fault at 264.5; alt'd 030° to axis.							
				slickensides at 40° to axis							
				at 291.5 to 292. 6" clay gouge							
				at 305' to 305.5' clay gouge alt'd at 30°							
357	407	50	75	Amphibole andesite porphyry. Dark green. 5-10% disseminated pyrite. Pink-white zeolites on fractures. Variably magnetic. Broken to <2" pieces.							
				377-382 Core lost, faulting, mud seam							
				397-402 Core ground, triconed, bad caving							
				403-407 Core ground, bad fault							

DGE.474

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-1 SHEET NUMBER 4 OF 6

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
407	408.5	1.5	100	Quartz eye feldspar porphyry. Pink mottled feldspars, 1/8" across in grey f.g. groundmass 10% f.g. disseminated pyrite.							
408.5	427	18.5	100	Andesite lapilli tuff. Dark green, with light green and beige tuff clasts to 3" across. Much gypsum cementing fractures, 5-10% f.g. pyrite, disseminated and on fractures.							
427	452.5	25.5	100	Dacite lapilli tuff. Beige to green 3" clasts in dark green to brown f.g. groundmass. Cemented with gypsum on fractures. 10-15% disseminated pyrite and along fractures. Occasional breccia zone 3-6" wide of similar rock composition.							
452.5	475	22.5	100	Dacite tuff. Medium green to beige-brown. Cut by numerous gypsum filled fractures. 6" gypsum filled Bx. zone at 454' at 060°. 5-10% pyrite as fracture fillings and disseminations. Possible bedding at 060° to axis. Occasional clast of amphibole porphyry.							
475	523.4	48.4	100	Amphibole andesite porphyry tuff. Dark green; 3-8 mm amphiboles in fine grained groundmass with frequent clasts of some material and occasional beige f.g. dacitic clasts. 5-10% Py. and frequent 3-5 mm pyrite veinlets.							
523.4	530	6.6	100	Andesite-dacite lapilli tuff. Dark green to beige. Clasts to 5 cm across. 5-10% Pyrite. Variably magnetic. Numerous							

DRX 474

Thomas McCann

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-1 SHEET NUMBER 5 OF 6

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 oz/ton Au	ASSAYS oz/ton Ag			
				gypsum, pyrite and zeolite filled fractures. Occasional 4 mm											
				quartz veinlets. Feldspar porphyry dyke at 549.2', over 6".											
530	540	10	100	Amphibole andesite porphyry. Variably magnetic. Patches of											
				tuffaceous clasts of dacite and andesite. Abundant zeolites											
				on fractures.											
540	557	17	100	Dacite. Brown to medium green f.g. to porphyritic 5-10%											
				pyrite.											
557	571	14	100	Dacite, silicified with 20-30% quartz. 10-15% pyrite and	5503		557	562	5.0	100	0.152	7.50			
				occasional chalcopyrite patches. Quartz as 1-2" veins and as	5504		562	565	3.0	100	0.009	0.53			
				6" patches.	5505		565	571	6.0	100	0.010	0.30			
571	586.4	15.4	100	Quartz vein. Massive, occasional grey flecks and/or stringers.	5506		571	575.8	4.8	100	0.002	0.06			
				Frequent bx textures 3-5% disseminated pyrite and pyrite on	5507		575.8	581	5.2	100	0.002	0.05			
				fractures common lower vein contact at 75° to core axis. Does	5508		581	586.4	5.4	100	0.011	0.05			
				not appear well mineralized.											
586.4	602.9	4.8	100	Dacite f.g., green-brown. 10-15% Pyrite. Weakly to moderately	5509		598.1	602.9	4.8	100	0.003	0.08			
				silicified.											
602.9	608.8	5.9	100	Quartz vein with 10-20% silicified brown dacite fragments.	5510		602.9	608.8	5.9	100	0.019	0.03			
				10% Pyrite. Only minor grey patches. Lower contact at 048°.	(Note)	Trace of Amethystine Quartz									

DDX 4.74

Thomas J. Brown

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-1

SHEET NUMBER 6 OF 6

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY					
608.8	625	26.2	100	Dacite, brown-green; weakly silicified. 10-15% disseminated pyrite. Gypsum-zeolite on fractures common.											
625	637	12	100	Dacite, light brown-tan. Salmon coloured. Possibly silicified andesite. 10% disseminated pyrite.											
				End of Hole.											

DDF 474

DIAMOND DRILL HOLE RECORD

DRILLED BY: D.W. COATES ENTERPRISES
HOLE NUMBER: Longyear Sup 38 LENGTH: 795'
LOCATION: Chappelle DIP: -85° @ Collar
LATITUDE: 6873.5 n DEPARTURE: 39314.7 e
ELEVATION: 5763.1' AZIMUTH: 130°
HOLE STARTED: 82-08-14 HOLE COMPLETED: 82-08-19

ACID &/OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
447	-79°				
795	-86°				

SHEET No.1 OF: 8
HOLE NUMBER: S82-2
PROPERTY: Chappelle
ACCOUNT No.: 714-00
CORE SIZE: NQ/BQ
% CORE RECOVERY:
LOGGED BY: T. 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
0	20'	20'	0	Casing through overburden.							
20	37.5	17.5	95	Feldspar porphyry. Grey-brown, highly oxidized. 3-5% disseminated pyrite. Core broken to <2" pieces. Occasional amphibole andesite porphyry fragment to 6" across.							
37.5	43.0	5.5	100	Amphibole andesite porphyry. Dark green; 3-5% disseminated pyrite. Highly oxidized. 42-42.5' Fault with 6" gouge.							
43	94.5	51.5	100	Quartz eye feldspar porphyry (Q.F.P.). Grey with beige mottling. 3% disseminated pyrite. Py on most fractures. Fracturing strong at 30°, 70°, 20°, 45° to core axis. 57' Fault at 30°; 4" clay gouge. Contact with andesite at 065°.							

DEV. 3 76

Teresa J. Drown

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-2 SHEET NUMBER 2 OF 8

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
94.5	146.4	51.9	95	Amphibole andesite porphyry. Dark green. 5% disseminated pyrite. Occasional 1/4" quartz stringers. Contact with Q.F.P. at 65°. Strong fracturing at 70°, 45°, 30° to core axis. 108' - 2" q.v. at 45°; 10% disseminated pyrite in vein. - 1" chlorite gouge above vein contact. 115.6' - Fault with 3" chlorite gouge at 30°. 130-131.5 - Q.F.P. dyke altitude? Core broken to <2" pieces. 129'-150' - Core badly broken; <1 1/2" pieces.							
146.4	236	99.6	100	Quartz eye feldspar porphyry. Bleached to light grey. 3% disseminated pyrite and py. coating all fractures. Fracturing strong at 15°, 35°, 10°, 70° breaking core to wedge shaped pieces <4". 184' - 1/2" q.v. at 060° with 1/4" patches of cpy. 187' - Porphyry less bleached, Fps. white and pink in beige-grey groundmass 209' - Fault at 015° with 1/2" clay gouge. Core broken to <8" pieces below 195'. 222' - 1/4" q.v. at 55° to core axis.							
236	240	4.0	100	Rhyolitics contact equiv. of Q.F.P. above. Chilled zone; five but some minerology. Occasional 1/4" Q.Vs. at 1' intervals.							

Thomas Gibson

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: SB2-2 SHEET NUMBER 1 OF 8

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 oz/ton Au	ASSAYS oz/ton Ag
240	253.4	13.4	100	Amphibole andesite porphyry. Dark green. 5-10% disseminated pyrite & on fractures. Occasional 1/4" Q.Vs. Some Q.Vs. have pink-beige envelopes of K-spar? Contact with above Q.F.P. at 050°; appears gradational.								
253.4	297	43.6	90	Quartz eye feldspar porphyry. Brown beige mottled to light grey. Clay altered. 261' fault at 015° with 10" clay gouge. Occasional 1" quartz vein at 60° to axis within 2' of Q.F.P. - Volcanic contact. Lost 3' core at 284'-287' mislatch tube.								
297	308	11.0	90	Strongly silicified and clay altered Q.F.P. Quartz eyes just visible; porphyritic texture all but destroyed. Light grey with 3-5% disseminated pyrite. Reduced to 80 at 300'.								
308	313	5	55	Quartz vein and silicified Q.F.P.; grey to white mottling. 3% disseminated pyrite. Occasional clay-calcite patches. Weakly mineralized in appearance. 311'-313' mislatched core tube, lost core. Possible Q.V., (minor recovered core is of Q.V.)	5511	3	308	311	3	100	0.006	0.05
313	330	7	100	Q.F.P. Finer grained due to clay and SiO_2 alteration. Numerous zeolite-calcite stringers. Core broken to <10" pieces.								

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: SB2-2 SHEET NUMBER 4 OF 8

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
330	338	8.0	100	Dacite brown-grey, fine grained. 5% disseminated pyrite. Occasional feldspar phenos visible; may be altered Q.F.P.?							
338	339	1.0	100	Q.F.P. finer grained; nearly massive. Beige to brown. 5-8% disseminated pyrite.							
339	342	3.0	100	Andesite f.g., dark green with occasional sections with amphibole phenos. Variably magnetic.							
342	348	6.0	100	Q.F.P. Beige; weakly silicified with 1/4" q.vs. at 10" intervals mostly with pyrite, and white.							
348	352	4.0	100	Dacitic tuff. Brown-green mottled; probably silicified andesite tuff. Tuffaceous patches to 1" across. Irregular shapes 5-10% pyrite on fractures and dissemination.							
352	368	1.6	100	Andesite. F.g. dark green, occasional brown patches. 5% pyrite, disseminated & on fractures. Gypsum common on fracs. Fractures at 30° and 60° mostly. Core weakly magnetic.							
368	376.5	8.5	100	Dacite; brown-green mottled, fine grained, massive. Numerous zeolite-gypsum-calcite stringers. 5% f.g. disseminated py. Weakly silicified with occasional 1/4" - 1/2" Q.Vs. at 1' intervals at 045° to core axis.							

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-2 SHEET NUMBER 5 OF 8

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 oz/ton Au	ASSAYS oz/ton Ag
376.5	381.4	4.9	100	Quartz vein and silicified dacite; massive Q.V. 376.5' to 378'; several 5"-6" q.vs. from 378'-381.4'. Altitude of Q.Vs. is 35-40° to core axis, thus true width is less than shown here.	5512	5	376.5	381.4	4.9	100	0.002	0.08
381.4	392	10.6	100	Dacite; f.g. beige-grey. 5-8% disseminated pyrite. Contact with Q.V. at 50° to core axis.								
392	442	50	100	Andesite. Dark green, massive to porph. with 1/8"-1/4" amphibole phenos. 5% Py as dissem. and fracture fillings. 396' and 399' beige feldspar porphyry dykes at 70° over 8" and 24" intervals respectively. Andesite variably magnetic. Darkest in colour where strongly magnetic. Occasional 1/2"-1" q.v. cutting at 40° to core axis containing magnetic blebs and patches. Abundant gypsum filled fractures.								
442	471	29	100	Dacite, (silicified andesite) f.g. grey-beige. Numerous gypsum-zeolite stringers. 442.5'- 6" green-grey clay gouge altitude at 060° to core axis. 446-446.8' - Q.V. with grey-block sulphides 10% pyrite as stringers mostly.	5513	10	446	446.8	0.8	100	0.001	0.06
				446.8'-450' - silicified dacite; 25% visible quartz as veining.	5514	10	446.8	450	3.2	100	0.003	0.07
471	480	9	100	Amphibole andesite porphyry. Dark green to brown. Cut by								

Thomas J. Mann

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-2 SHEET NUMBER 6 OF 8

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				
				numerous gypsum stringers. Pink zeolites common. 5% diss. pyrite. Occasional 1/4" pyrite fracture fillings.											
480	498	18	100	Dacite, fine grained, beige-brown to green mottling. Possible tuff or agglomerate, with 2-3" clasts (or less altered rock). Numerous gypsum-zeolite stringers.											
498	524	26	100	Amphibole andesite porphyry; dark green with 1/4" amphibole phenos. Numerous gypsum stringers. Variably magnetic.											
524	541	17	100	Dacite, fine grained, beige-green. 5% disseminated pyrite. Gypsum filled fractures abundant.	5515	5	537	541	4.0	100	0.002	0.10			
					5516	5	541	544.1	3.1	100	0.003	0.04			
541	544.1	3.1	100	Dacite, moderately silicified; 15-20% Q.Vs. Grey-beige-green.	5517	10	544.1	546	1.9	100	0.008	0.10			
544.1	546	1.9	100	Quartz vein. Grey-white, lower contact at 060°. Numerous pyrite filled factures. 10% Pyrite overall.											
546	550	2.0	100	Dacite lapilli tuff-agglomerate. Grey and/or beige rounded 2" clasts in beige f.g. dacite matrix. 5-8% pyrite.											
550	640	90	100	Dacite; grey-beige, fine grained. Cut by frequent pyrite and gypsum stringers. 1/10" to 1/2" across. Crude bedding at 060° to core axis. 581' - 6" shear zone at 060°.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-2 SHEET NUMBER 7 OF 8

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
				Occasional section of tuffaceous textures. Minor 1/2" to 1" quartz veins at 50° to core axis.							
				Minor black magnetite patches.							
				Frequent zeolites as stringers.							
				622.1' - zeolite filled fault at 35°; slicken.							
				- sides at 80° to axis.							
640	656	16	100	Andesite, fine grained, dark green. Magnetic. 3% disseminated pyrite.							
656	659	3	100	Dacite, bleached to light grey by weak silicification. 10% zeolites, abundant pyrite stringers. Lower contact at 40°.							
659	725	66	100	Dacite, grey, f.g., 5-8% disseminated pyrite. Gypsum on fractures. Zeolite common. Occasional dark grey magnetite patch.							
				669' - Bxt'd fault zone, cemented with gypsum. Angular frags. of grey dacite.							
				665'-685' - abundant 1 to 3" gypsum-zeolite-pyrite filled shear zones at 2' intervals.							
				667-690' - Dacite largely tuffaceous or agglomeratic.							
				706, 711' - zeolite filled shear zones at 20° over 3" widths.							

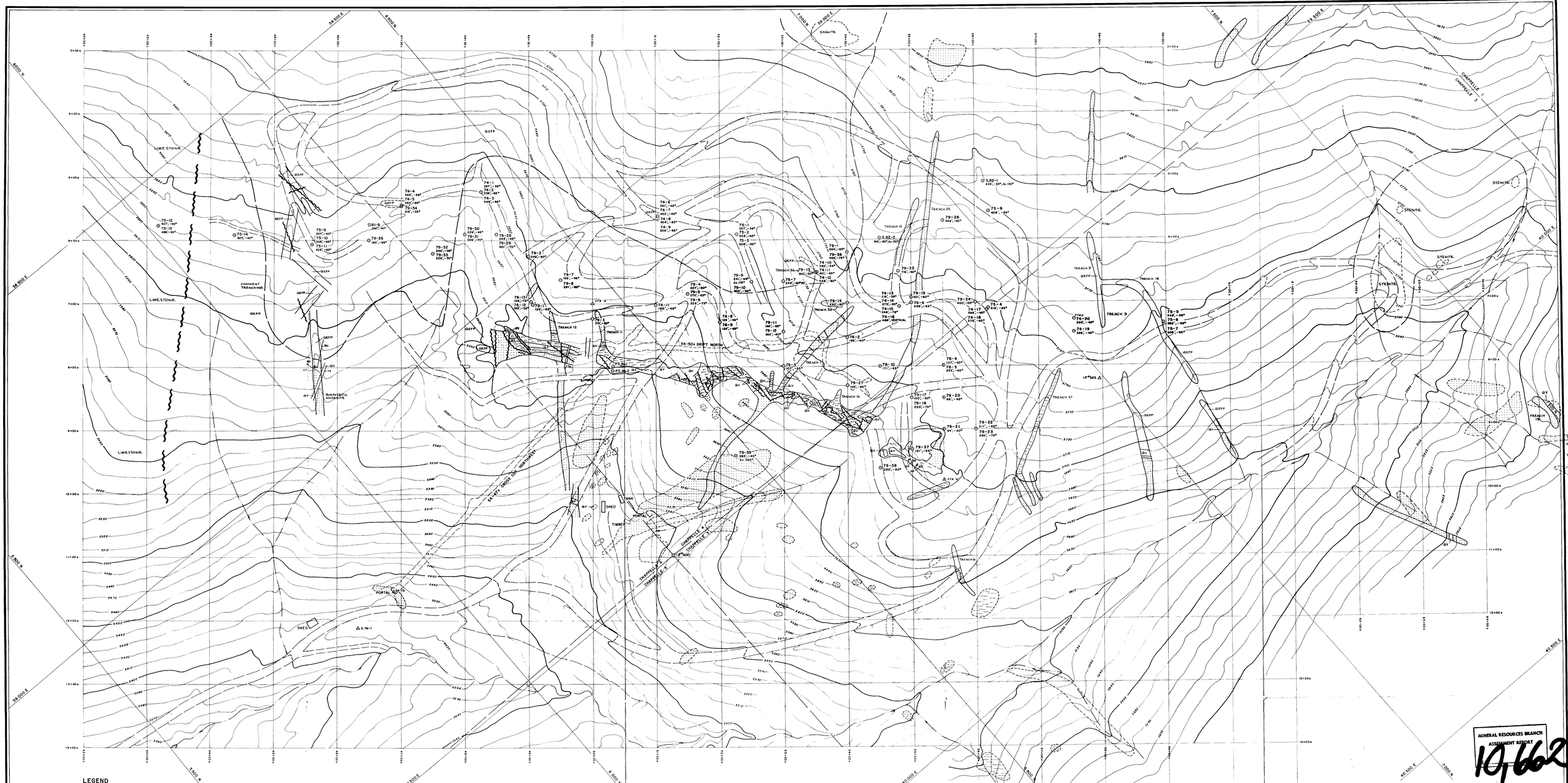
Thomas A. Keen

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: S82-2 SHEET NUMBER 8 OF 8

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
							FOOTAGE								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY					
725	754	29	100	Dacite, grey, f.g., massive. Occasional visible remnant amph.											
	/			phenos. Shear zone at 80° at 735', Quartz-zeolite filling											
				over 6".											
754	795	41	100	Andesite, f.g., dark green, massive to slightly porphyritic in											
				amphiboles. 3-5% disseminated pyrite. Moderately magnetic.											
				Numerous pink-white stringers of zeolite and gypsum.											
				779.3'-779.8' - Bxt'd. zone cemented with gypsum-zeolite. Bx											
				fragments angular and altered to beige-brown											
				dacite.											
				781' - bedding in andesite at 75°.											
				Foot of Hole 795'.											
				Dip test at 795'.											

FORM 470



LEGEND

- MASSIVE WHITE AND GREY QUARTZ VEIN
- CHLORITIC, BANDED QUARTZ VEIN
- FELSIC TUFF
- PINK OR ORANGE PORPHYRY INTRUSION
- DACITE
- SILICIFIED DACITE
- PHENO ANDESITE
- QEFP — QUARTZ EYE FELDSPAR PORPHYRY
- SYENITE

NOTE : SURFACE GEOLOGY FROM KENNCO 94E PL.10, 1971 S.G.
AND FROM DU PONT EXPLORATION DWG No. C.76-2 REV. 79 03 20

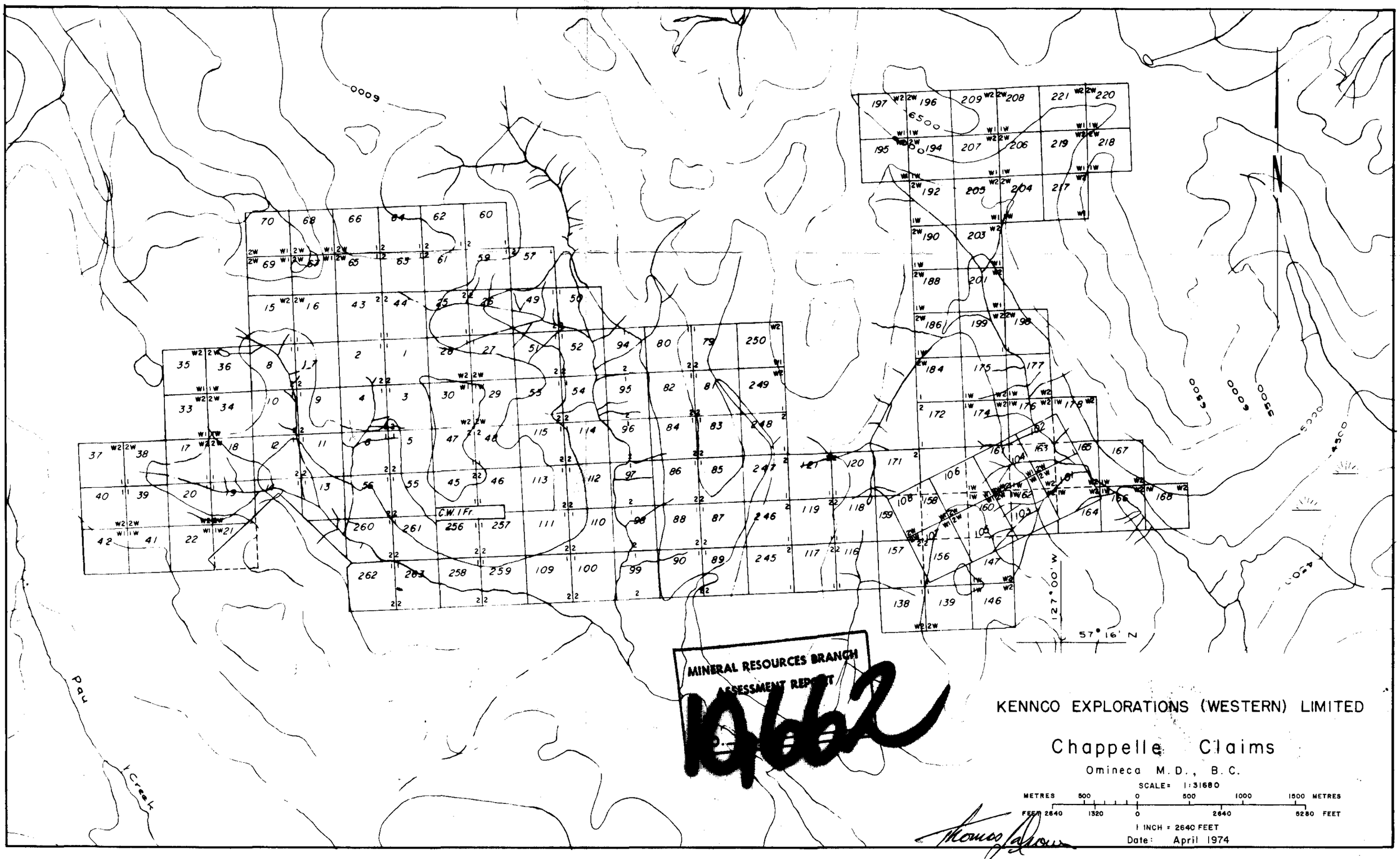
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,662

DU PONT EXPLORATION
CANADA

SURFACE PLAN
BAKER MINE
OMINECA MINING DIVISION, BRITISH COLUMBIA

1" = 400'
SCALE
1 INCH = 50 FEET

DATE BY	K.A.M.	REVISED	N.T.S. No.: 94 E 5
DATE	JAN. '80	80 05 15, 82 09 08	ACCT. No.: 3 0 0 0 1
DRAWN BY	K.L.J.	80 09 22	DWG. No.: C 80-1
DATE	JAN. 80	82 02 21	



KENNCO EXPLORATIONS (WESTERN) LIMITED

Chappelle Claims

Omineca M.D., B.C.

SCALE: 1:31680

METRES 500 0 500 1000 1500 METRES

FEET 2640 1320 0 2640 5280 FEET

1 INCH = 2640 FEET

Date: April 1974

DU PONT EXPLORATION DWG. No. C.74-28