

DU PONT OF CANADA EXPLORATION LIMITED

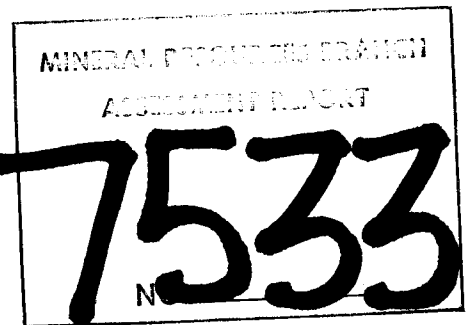
ASSESSMENT REPORT

ON

THE CHAPPELLE PROJECT; DIAMOND DRILLING 1979

CHAPPELLE 3,4,6 CLAIMS

NTS: 94-E-6



OWNER: Kennco Explorations (Western) Limited
730-505 Burrard Street
Vancouver, BC
V7X 1M4

OPERATOR: Du Pont of Canada Exploration Limited
102 - 1550 Alberni Street
Vancouver, BC
V6G 1A5 (604) 684-9264

by, K. A. MacLean, P.Eng.

Date submitted:
1979 11 09
K.A. MacLean

TABLE OF CONTENTS

	<u>Page No.</u>
INTRODUCTION	1
Location	1
Index map	after p.1
Access	1
PROPERTY	1
History	1
Current Owner	2
Operator	2
Brief Economic Assessment	2
WORK SUMMARY - DRILLING	2
Size of Core	2
Purpose of Drill Programme	2
Table of Drill Hole Data	2
Drilling Costs Apportioned to Claims 3,4,6	3
Qualifications T.J. Drown	
DRILL LOGS	
ITEMIZED COST STATEMENT	
AUTHOR'S QUALIFICATIONS	
MAP (in pocket), 1:600	

INTRODUCTION

Location

The Chappelle claims are situated at 57°17'N, 127°08'W between Thutade and Toodoggone Lakes, 50 miles west of the Rocky Mountain Trench. Air distance to Smithers, BC is 288 km at azimuth 180°. The mineralized quartz vein of which the deposit consists is found on claims 3, 4 and 6.

Access

The claims are best reached by flying to the 1676 m Sturdee Airstrip at 57°13'N, 127°06'W and travelling by a 10 km road to the main camp.

PROPERTY

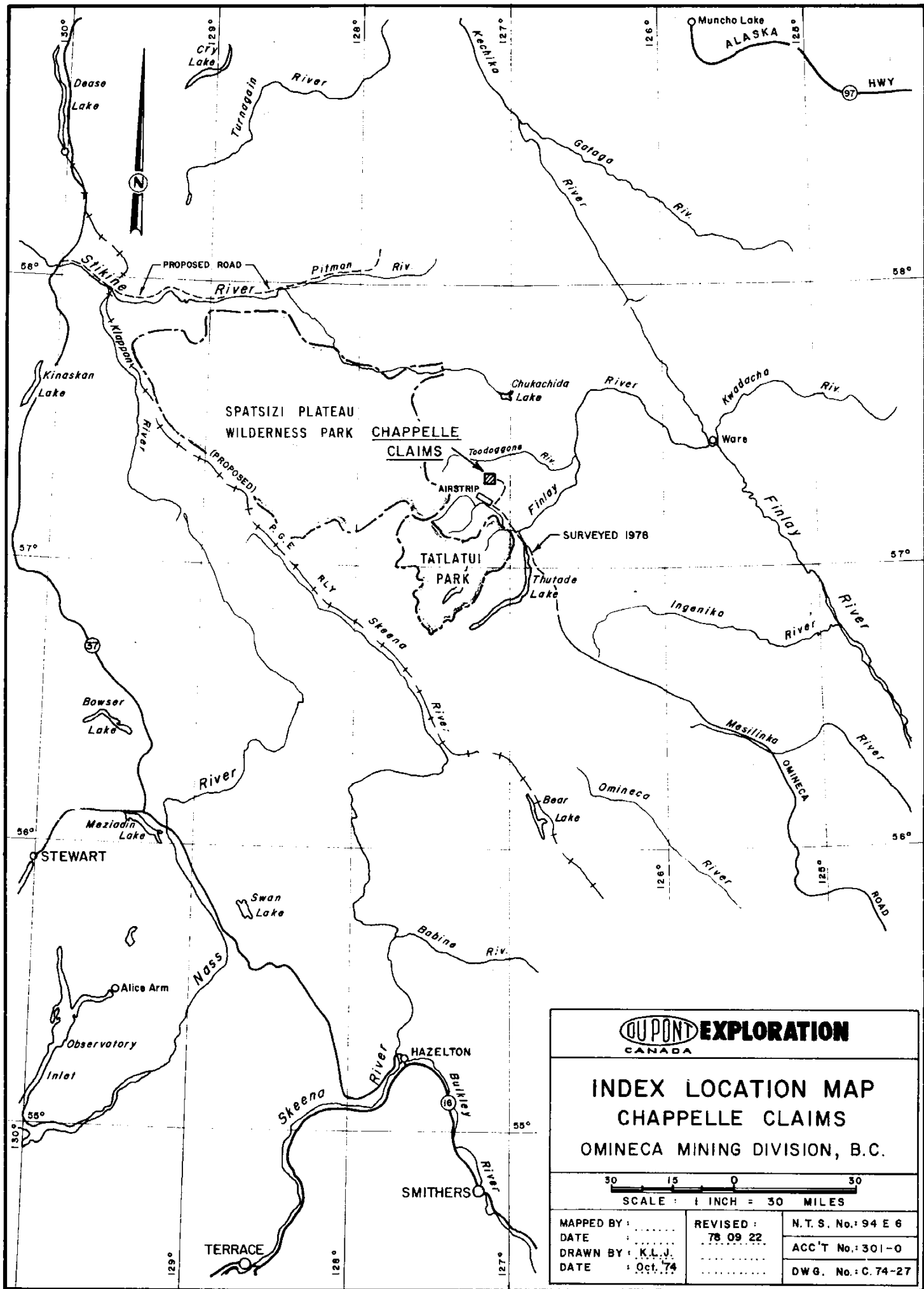
History

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 250x2 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 700 feet of drifting at the 5400' (1650 meter) elevation. The intersected the vein 50 meters below the surface in a barren section of quartz and subsequently dropped the option.

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, a new adit at the 1690 meter elevation was driven with a view to sampling the mineralization and determining the characteristics of the deposit. The drilling programme reported in this report was to establish direction for the drift as well as additional sampling of the deposits and its extension.



DUPONT EXPLORATION
CANADA

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

SCALE: 1 INCH = 30 MILES

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

Current Owner: Kennco Explorations (Western) Ltd.
730 - 505 Burrard Street
Vancouver, BC
V7X 1M4

Current Operator: Du Pont of Canada Exploration Limited
102 - 1550 Alberni Street
Vancouver, BC
V6G 1A5
PHONE: 684-9264

Brief Economic Assessment

Du Pont is considering putting the property into production by 1981.

WORK SUMMARY - DRILLING

Size of Core: NQ

Storage of Core: In a rack at the camp site

Purpose of Drill Programme

1. Provide vein location information for underground development.
2. Sample the vein. Assays all shown on the logs.
3. Extend known shoots of mineralization.
4. Provide structural information.

Table of Drill Hole Data

(attached)

Drilling Costs Apportioned to Claims

Claim 3: 638.14 m, holes 15, 17, 19, 20, 21, 22, 23, 24, 37, 38
Costs @ \$78.75/m = \$50 253.53

Claim 4: 153.0 m, holes 32, 33, 34, 35. Costs @ 78.75/m =
\$12 048.75

Claim 6: 2224/74 m, holes 1-14, 16, 18, 25-31, 39.
Costs = \$175 198.28

Qualifications of Tom Drown

(attached)

CHAPPELLE DRILLING 1979, July 10-August 30

(Azimuth 130° unless otherwise noted)

Hole	n	e	inclin	elev	Depth (feet)	Claim	
79-1	49+07	7+02	-65°	5644.5	120	4	
79-2	49+00	6+25	60	5653.0	249	4	
79-3	50+01	7+23	50	5647.6	174	4	
79-4	51+50	6+85	50	5669.7	227	4	
79-5	51+50	6+85	63	5669.7	270	4	
79-6	51+50	6+85	73	5669.7	326	4	
79-7	49+50	6+62	45	5662.7	193	4	
79-8	49+50	6+62	80	5662.7	291	4	
79-9	52+50	6+65	45	5691.5	241	4	(Azimuth 115°)
79-10	53+50	6+65	60	5691.5	300	4	
79-11	53+00	7+45	45	5704.0	180	4	
79-12	53+00	7+45	80	5704.0	362	4	
79-13	53+50	6+50	50	5734.8	300	4	
79-14	54+00	7+00	62	5734.6	220	4	
79-15	54+50	8+00	45	5706.0	199	4/3	(132' on 3)
79-16	54+50	8+00	80	5706.0	239	4	
79-17	55+00	8+50	50	5697.0	150	3	
79-18	55+00	8+50	75	5697.0	220	3	
79-19	55+00	6+91	80	5737.6	201	3	
79-20	55+50	8+50	45	5712.0	86	3	
79-21	55+50	9+00	60	5705.3	94	3	
79-22	56+00	9+00	60	5715.3	211	3	
79-23	56+00	9+00	70	5715.3	260	3	
79-24	56+00	7+00	55	5749.0	400	3	
79-25	54+80	6+50	90	5753.0	716	4	
79-26	55+50	5+70	90	5775.0	596	4	
79-27	54+00	8+30	60	5692.0	120	4	
79-28	48+50	5+90	45	5632.0	245	4	
79-29	48+50	5+90	70	5632.0	401	4	
79-30	48+00	5+90	45	5615.0	229	4	
79-31	48+00	5+90	70	5615.0	209	4	
79-32	47+50	6+20	45	5609.0	200	4/6	(137' on 6)
79-33	47+50	6+20	70	5609.0	229	4/6	(97' on 6)
79-34	47+00	5+45	55	5631.7	218	4/6	(108' on 6)
79-35	46+50	6+00	55	5626.0	160	6	(160' on 6)
79-36	54+00	6+20	75	5755.0	456	4	
79-37	55+00	9+35	55	5680.0	121	3	
79-38	54+50	9+60	60	5675.0	220	3	(Azimuth 310°)
79-39	52+25	9+40	45	5630.0	263	4	(Azimuth 320°)

9 896 = 3 016.3 meters

STATEMENT OF QUALIFICATIONS

THOMAS J. DROWN

EDUCATION: Graduated 1973 from University of British
Columbia in Honours Geology.

PAST EMPLOYMENT:

Summer 1970	Noranda Exploration Limited, Bathurst, New Brunswick.
Summer 1971	Utah Construction & Mining Limited, Vancouver, BC.
Summer 1972	Utah Construction & Mining Limited, Vancouver, BC.
Summer 1973	Kennco Explorations (Western) Limited, Vancouver, BC.
1974-1976	Du Pont of Canada Exploration Limited, Assistant Geologist, Chappelle Project.
Summer 1979 (July & Aug)	Assistant Geologist, Chappelle Project.

DRILL LOGS

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Ltd. Runners: H. Harvey S. Leduc
 Helpers: M. Gosselin, R. D'Amore
 HOLE NUMBER: C79-1 LENGTH: 120'
 LOCATION: 49°10'N; 64°52'E DIP: -65°
 LATITUDE: 5644.5 (top of casing) DEPARTURE:
 ELEVATION: 5644.5 (top of casing) AZIMUTH: 130°
 HOLE STARTED: 1979-07-11 HOLE COMPLETED: 1979-07-11

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF 2
 HOLE NUMBER: C79-1
 PROPERTY: Chappelle, Vein A
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY				
0	19.5	19.5	0	Casing										
19.5	39.5	20.0	90	Amph. dk grn and. porph. Rusty frags. @ 60°, 45°, calc-zeol fillings. 30', 0.8' gry fault gouge @ 60°. 36'-36.5' 0.5' gry fault gouge @ 60°.										
39.5	42.0	3.5	90	Gry-grn silic. andesite (Poss. Dacite?); ½" qtz. v. @ 0.5' intvls @ 80°, 60°; 39.5'; 0.5' fault gouge, attitude?										
42.0	45.0	3.0	80	Gry-brown f.g. dacite; <1% diss. py.										
45.0	51.0	6.0	60	Gry. dacite, approx 1% diss. py., highly broken core, into ½" to 1" pces. 49' - gry fault gouge @ 75°, poss. bedding @ 60° on 50'										
51.0	67.0	16.0	100	Drk grn amph. and. porph., very fract'd @ 60°, 45°, 75°, 005° Freq. zeol-calc. filled frags., Minor Ep alt'd mafics. 64'-0.5' gry-grn fault gouge @ 20°										
67.0	93.0	26.0	100	Gry-bron dacite, num. zeol. filled frags., 60°, 30°, 80°, 45° 2% diss. py; 70.5'-½" qtz v @ 60° w chl margins.										
93.0	95.0	2.0	100	Brown f.g. dacite; occ. pk. zeols.-calc. on fractures; <1% diss. Py.										
95.0	99.0	4.0	80	Dk grn amph. and. porph., wkly alt'd w chl-ep, occ. pk zeols., frags @ 70°, 60°										

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-1

SHEET NUMBER 2 OF 2

W.M. Hill

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE												
							FROM	TO	WIDTH	RCVRY									
99.0	101.0	2.0	50	90°, 30°, 1Z diss. py & on frac.															
				Dk grn. amph. and. porph., chl-py-zeol alt'n, very broken core															
				100'-0.5' fault gouge @ 30°.															
101.0	104.0	3.0	80	Dk grn. amph. and. porph.															
104.0	107.0	3.0	30	Chl-py fault gouge @ 25°; probably sheared amph. and. porph.															
				2Z Py in gouge (Poss. more).															
107.0	113.0	6.0	50	Dk grn and. porph., 1Z diss. py, frac @ 30°, 45°.															
				111' - gry-grn fault gouge @ 75°.															
113.0	120.0	7.0	80	Dk grn. amph. and. porph. py-zeol-calc-chl on frac.															
				118'-0.2' gry fault gouge @ 80°															
120				Foot of hole.															
				Materials used:															
				20 Quick-gel															
				18 Quick-trol															
				1 NQ core bit #9EM 740 90% lost in fault															
				1 NQ reaming shell 50% worn in sand															
				Notes:															
				Fault zone 89'-120' Crown of bit lost in hole															
				lost circulation, squeezing ground @ 120' and hole															
				was abandoned.															

*W.M. Hill
7/19/49*

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Ltd.
 HOLE NUMBER: C79-2 LENGTH: 249'
 LOCATION: 49+10n; 6+25e DIP: -60°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5653.0' AZIMUTH: 130°
 HOLE STARTED: 1979-07-12 HOLE COMPLETED: 1979-07-11

ACID 8/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-2
 PROPERTY: Chappelle
 ACCOUNT No.: 301-
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
						FROM	TO	WIDTH	RCVRY				
0	21.0	21.0	0	Casing									
21.0	48.0	27.0	95	Dk grn. amph. and. porph., minor diss. py., rusty frags. @ 75°, 45°, 15°; Occ. zeols-calc in frags @ 15°.									
48.0	49.0	1.0	80	Fault w dk grn.-chl sheared andesite; 0.25' gouge att'd 60°.									
49.0	89.0	40.0	100	Dk grn. amph. and. porph., 1% diss. py., open frags. @ 30° calc-zeols. on most frags. @ 45°, 75°, 60°, 1" to 3" offsets on 60°. 64' - 0.25 fault gouge @ 60° w chl-py on sfces									
89.0	106.0	17.0	90	Highly fract'd amph. and. porph., Pces from 0.25' to 0.11'; minor diss. py., Py-chl on frags. often w zeols-calcs.									
106.0	120.0	14.0	90	Dk gry-gry wkly silicf'd andesite, approx 40% qtz., 117.5-118' open qtz strgrs. @ 80°; Py in open spaces									
120.0	126.0	6.0	95	Dk grn. amph. and. porph., strongly fract'd, Py-chl on frags., Occ. zeols. 1% diss. py.									
126.0	129.0	3.0	50	Dk grn chloritic fault gouge @ 10°									
129.0	158.0	29.0	100	Dk grn amph. and. porph., highly fract'd, Py-chl-calc on frags Common @ 40°, 60°, 75°; Minor chl-ep alt'n. 152'-0.01' gry-grn fault gouge @ 40°.									

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-2

SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag	Au	Ag	
							FROM	TO	WIDTH	RCVRY					
158.0	168.0	10.0	95	Dk grn. amph. and. porph. lapilli tuff., frags of alt'd andesite porph. in andesitic matrix, 1% Py as diss. & on frags., frags strong @ 60°, 40°, 45°, 10°.											
168.0	170.0	2.0	50	Gry-grn silicif'd volcanic, remnant mafics alt'd to chl-ep-py., Core ground to 1/4" to 1" pces. Poss. fault, att'd?											
170.0	173.5	3.5	90	Gry-grn silic volc. (Dacite) brown frags., 1% diss. py. Py on frags. up to 1/4" thick.	8000A		170.0	173.5	3.5	90	0.12	2.0	0.012	1.45	
173.5	177.0	3.5	95	Qtz w chl-py bands @ 45°, 80°, 1-2% vugs with qtz phenos, Poss. argentite.	8001A		173.5	177.0	3.5	95	0.95	4.5	1.28	4.30	
177.0	182.0	5.0	95	Massive qtz very light grey, 2-3% vugs & open spaces, Py in vugs fault @ 45°; (181-181.5') chl on fault sfce with zeols.	8002A		177.0	182.0	5.0	95	0.02	0.7	0.042	0.52	
182.0	183.5	1.5	80	Gry silic. volc. (Dacite) with 50% qtz, @ 030° 183-183.5' fault gouge @ 45°?	8003A		182.0	183.5	1.5	80	0.03	0.5	0.03		
183.5	189.0	6.5	95	Grn-brown dacite (40% SiO2?) minor 1/4" strgrs @ 30°, 45°, chl patches in volc. poss. mafic alt'n.	8004A		183.5	189.0	6.5	95	0.03	0.8			
189.0	200.0	1.1	95	Dk grn. wkly silicif'd., amph. and. porph., 1% diss. py 191' - 0.20' gry clay fault gouge @ 40° 191.2' - 191.5' qtz. with chl. bands @ 40°											
200.0	214.5	14.5	95	Qtz v. with chl. bands and some volc frags., num. vugs and open spaces (2-3%), Freq. py bands to 1/4" wide @ 45°, 60°, 75°, Poss. argentite with chl. Vein contact @ 35° on lower side. Lct 35°	8005A		200.0	205.0	5.0	95	0.60	1.5	0.037	1.96	
					8006A		205.0	210.0	5.0	95	0.04	0.3	0.017	0.27	
					8007A		210.0	214.5	4.5	95	0.05	0.2			
214.5	220.0	5.5	95	Grn-brown f.g. dacite, pk zeols-calc in frags; 215.5' - 1" fault gouge @ 35°, Poss. volc. bedding @ 30° on 220'	8008A		214.5	220.0	5.5	95	0.01	0.2			

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-3 LENGTH: 174
 LOCATION: 50+00n; 7+20e DIP: -50°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5647' AZIMUTH: 130°
 HOLE STARTED: 1979-07-13 HOLE COMPLETED: 1979-07-14

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-3
 PROPERTY: Chappelle, Vein A
 ACCOUNT No.: _____
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag				
							FROM	TO	WIDTH	RCVRY					
0	20.0	20.0	0	Casing in overburden and weathered rock.											
20.0	22.0	2.0	50	Dk grn amph. andesite porph., broken with rusty faces @ 27°, 30°, 24°, <1% diss. py., much of it leached.											
22.0	36.0	14.0	80	Dk grn. amph. and. porph. fault @ 30° on 25.7' 0.5' rusty gry. fault gouge on 34' @ 24°.											
36.0	39.2	3.2	90	Grn chl. fault gouge @ 28°, slickens @ 75°, frags of grn. andesite porphyry in gouge.											
39.2	51.5	12.3	90	Dk gry-grn andesite, minor alt'n of mafics <1% diss. Py, rusty frac. surfaces. 49' - gry. fault gouge @ 20°, 0.1' wide.											
51.5	69.0	17.5	90	Gry. f.g. dacite, some chl-py-clay alt'n, <1% diss. Py, clean frags @ 34°, 60°; 0.1' gry fault gouge @ 15° on 56' 0.3' gry clay gouge @ 45° on 64', 1/2" qtz v @ 30° on 64.5'.											
69.0	70.0	1.0	95	Gry mottled f.g. dacite, py as diss & frac. fillings, 8009A			69.0	72.0	3.0		0.01	0.1			
70.0	71.0	1.0	95	Gry mottled f.g. dacite with 1" banded qtz v @ 32° on 70.5', assym. chl-py banding in vein.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-3

 SHEET NUMBER ² OF ³

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag	Au _{check}	Ag _{check}
							FROM	TO	WIDTH	RCVRY				
71.0	72.0	1.0	100	Gry. f.g. dacite, <1% diss. py., fault @ 28° with slicken sides @ 20° to core axis.										
72.0	73.5	1.5	100	Grn-brown mottled dacite, 1% diss. py., fresh frags @ 25°, 60°										
73.5	79.0	5.5	95	Gry. f.g. dacite, 1% diss py, zeol. & py on frags @ 75°, 60°, 25°, occ. vugs with py.	8010A		72.0	81.5	9.5	9.7	0.01	0.4		
79.0	81.5	2.5	100	Gry. f.g. dacite as above										
81.5	81.6	0.1	100	Massive qtz v @ 37°	8011A		81.5	81.6	0.1	100	0.03	0.1		
81.6	82.5	0.9	100	Gry. f.g. dacite	8012A		81.6	82.5	0.9	100	0.05	0.5		
82.5	82.7	0.2	100	Gry-white qtz v, minor vugs, Py-chl parallel to contacts @ 34°	8013A		82.5	82.7	0.2	100	0.06	0.1	0.05	C10
82.7	86.7	4.0	95	Gry. f.g. dacite with feldspar phenos visible, zeol & py on frags @ 60°, 45°.	8014A		82.7	86.7	4.0	95	0.04	0.1		
86.7	90.0	2.3	85	Gry. f.g. dacite with faults @ 86.8', 88.4' trending @ 34°.										
90.0	100.2	10.2	95	Gry-white mottled dacite, cut by occ. 1/4" Qtz veins @ 90', 96' 100.1', trending @ 22°, 30°, 50° respectively. Py as diss. & frac. fillings, about 1% Py.	8015A		90.0	95.8	5.8	96	0.06	0.4		
					8016A		95.8	100.0	4.2	96	0.20	1.8	0.12	1.44
100.2	103.8	3.6	85	Dk grn. amph. and. porph., 1-2% diss. py and on frags. 103.7' fault with chl gouge @ 28°, slicks. @ 20° to core axis.	8017A		100.0	103.8	3.8	85	0.10	2.9	0.04	2.20
103.8	104.5	0.7	90	Gry. f.g. dacite cut by qtz stringers 1/4" wide	8018A		103.8	104.5	0.7	90	0.12	6.0	0.052	5.7
104.5	109.5	5.0	90	Gry-white banded qtz, chl-py bands, Poss. argentite in 0.3' dk gry, bands @ 40°, Tr cpy, (S.G. sample @ 106')	8019A		104.5	109.5	5.0	90	3.60	55.5	3.02	91.80
109.5	113.5	4.0	90	Gry-white qtz, gry bands of Py, Cpy, Argentite, 1% vugs with qtz phenos inside. In places qtz is Bxt'd and recemented with barren white ribbons of qtz.	8020A		109.5	113.5	4.0	90	4.00	49.0	3.45	51.24
113.5	118.0	4.5	85	Gry. qtz v., 2% Py with Tr. cpy., Poss argentite, grey mottled & banded with chl-Py. (S.G. sample @ 116').	8021A		113.5	118.0	4.5	85	0.87	20.0	0.63	21.6

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-3

SHEET NUMBER 3 OF 3

W. H. H. H.

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag	Cu	Fe
118.0	121.0	3.0	80	Gry. banded qtz., bands of chl-py, poss. argentite @ 32°;	8022A		118.0	121.0	3.0	80	0.07	2.8	0.07	2.86
121.0	124.0	3.0	20	Dk grn. f.g. andesite and dacite, poss. cave.	8023A		121.0	124.0	3.0	20	0.01	1.0		
124.0	126.5	2.5	70	Dk grn. amph. and. porph., alt'd mafics to chl-py, 1-2% diss. py. zeols. com. on fracs.										
126.5	144.0	17.5	80	Dk gry-grn dacite; Highly broken core, pces <2" dia., chl-py on fracs, <1% diss. py.										
144.0	160.0	16.0	90	Dk grn. amph. and. porph., variably alt'd mafics, variably magnetic, 1% diss. py. faults @ 144', 148' @ 28°, 35° respectively with chl-py gouge 0.1' wide. Occ. calc-zeol. fillings.										
160.0	174.0	14.0	85	Dk grn. f.g. andesite, occ. f.g. amph. visible, occ. Py veinlets up to 1/4" wide with pink alt'n parallel to veinlets. Fault gouge @ 166.5', 173' @ 21°, 24° respectively.										
	174.0			Foot of hole.										
				Note:										
				Rods tight 110'-174', Reamed to bottom, Thick sand and cave.										
				9 Quick-gel										
				- Quick-trol										
				24 Cellex										
				1 NQ reaming shell workn 75% in sand.										

W. H. H. H.
790914

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-4

SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag					
							FROM	TO	WIDTH	RCVRY							
55.6	71.0	15.4	90	Dk grn-brown mottled amph. and. porph. (Poss. pyroclastic) minor silic. & K-spar alt'n, 3% diss. Py, Py frags. fillings @ 60° 35°, 0.2' gry. fault gouge @ 47° @ 56'. 0.5' gry. fault gouge @ 43° at 70.5'; 3-5% Py in gouge.													
71.0	105.0	34.0	96	Dk grn. amph. and. porph., mafics variably alt'd, 1-2% diss. Py. Occ. pink-white zeols on frags and calcite veinlets; moderately magnetic; 0.2' pk trachyandesite dyke @ 45° on 103'; 3% diss. Py. Faults @ 73' for 0.2' @ 47°, grey gouge. 82' for 0.1' @ 52°, grey py-chl gouge													
105.0	105.5	0.5	100	Brown mottled dacite with 3% diss. py., in 1/4 of core parallel to axis.													
105.5	107.0	1.5	100	Dk grn. amph. and porph. (non-magnetic)													
107.0	108.0	1.0	100	Grn-brown f.g. dacite, 2-3% diss. Py., zeols. stringers.													
108.0	110.5	2.5	100	Dk grn. amph. and. porph. (non-magnetic), 2% Py on frags. @ 31°, 57°.													
110.5	112.0	1.5	100	Grn-brown dacite Bx., zeols com. on frags., occ. open spaces.													
112.0	119.5	7.5	95	Dk grn amph. and. porph., 2% diss. Py, zeol-calc. in frags, faults @ 33°, 27° @ 112.5' and 113.5' respectively.													
119.5	120.5	1.0	100	Dk grn.-brown dacite, 3% diss. py.; att'd 51°													
120.5	125.5	5.0	90	Dk grn. amph. and. porph., 1-2% diss. Py. wkly magnetic, 125.5 - 1" qtz v with chl-py banding @ 27°.													
125.5	132.0	6.5	90	Dk grn-brown, mottled silicified volc. (amph. and. porph.) chl. patches may be mafic remnants; (non magnetic)													
132.0	136.0	4.0	80	As above with highly broken core, <3" dia.													

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-4

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag	Au	Ag
136.0	138.0	2.0	60	Dk grn. amph. and. porph., fault @ 137.5' att'd?										
138.0	147.0	9.0	5	Triconed due to tight ground and loss of water	8024A		138.0	147.0	9.0	5	0.04	<0.1		
147.0	148.0	1.0	95	Qtz V with 1% diss. py., 1% open spaces, Occ. grey flecks (Poss. argentite).	8025A		147.0	148.0	1.0	95	0.02	0.3	0.016	0.30
148.0	155.0	7.0	100	Gry mottled dacite, 1-2% diss. py., pcc. grey flecks Alt'd f.p. phenos visible, Minor zeols. @ 32°.	8026A		148.0	152.0	4.0	100	0.50	3.8	0.42	3.44
				153.5' - 0.25' qtz with 1% diss. py., tr. cpy., grey flecks	8027A		152.0	155.0	3.0	100	<0.01	<0.1		
155.0	161.0	7.0	100	Gry-brown fig. dacite, remnant f.p. phenos. visible, fault @ 158', slicks at 40° to axis.	8028A		155.0	159.0	4.0	100	0.01	<0.1		
161.0	161.5	0.5	90	Qtz V, occ. grey flecks with 1% diss. py, 1% vugs with Py filling	8029A		159.0	163.2	4.2	98	0.01	<0.1		
161.5	163.0	1.5	100	Gry-grn. f.g. dacite, alt'd f.p. phenos visible, 1% diss. Py 0.01' Qtz. V at 162' @ 37°; chl-py ll to contacts.										
163.0	164.5	1.5	95	Gry.-grn. f.g. dacite, 1% diss. Py.										
164.5	173.3	8.8	90	Dk grn. alt'd amph. and. porph., mafics alt'd to Py-chl. Occ. calc-zeols. in frags with Py, frags @ 30°, 18°, 63°.										
173.3	185.7	12.4	95	Dk grn. mottled amph. and. porph., amphs. alt'd to chl-py, 1% diss.-py. Fault @ 27° @ 173'; 1" grey gouge qtz V @ 32° at 173.5' and 185.5' both 0.2' wide with 1% diss. Py. & minor chl.										
185.7	191.0	4.3	95	Dk gry-brown amph. and. porph. lapilli tuff, Frags of and. with dacite matrix. Att'd 28° (bedding?).										
191.0	193.0	4.0	95	Dk grn. mottled andesite welded tuff, 1-2% diss. Py. some pink zeols. & calc on frags., c.g. white f.p. remnants.										
193.0	194.5	1.5	100	Grn. silicified welded and. tuff, 60% qtz, @ 38°, 2% diss. Py	8030A		193.0	194.5	1.5	100	0.12	0.50	0.14	0.42

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-4

 SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag	C. 21	
							FROM	TO	WIDTH	RCVRY			Au	Ag
194.5	200.0	5.5	100	Gry. qtz with chl bands, poss. argentite, <1% diss. py., 1% open spaces as vugs (S.G. sample @ 196.5')	8031A		194.5	200.0	5.5	100	0.08	1.5		
200.0	204.0	4.0	95	White-gry. qtz with occ. gry-white band. <0.01' wide	8032A		200.0	204.0	4.0	95	0.22	2.0	0.21	1.68
204.0	208.0	4.0	95	Gry Bx qtz V with inclus. of grn volc., num. open spaces in cruc. form qtz inside, lower contact @ 40°.	8033A		204.0	208.0	4.0	95	0.12	0.5	0.21	0.24
208.0	212.0	4.0	95	Dk grn. andesitic welded lapilli tuff, lapillis of dacite & amph. and. porph., 1% diss. py. 209' - 0.02' gry. fault gouge @ 22°	8034A		208.0	212.0	4.0	95	0.12	0.6	0.24	0.38
212.0	227.0	15.0	90	Dk grn. amph. and. porph. (magnetic) occ. zeols. along frac; some calc. vnlt. Very broken core into 1"-2" pces.										
	227.0			Foot of hole.										
				Note:										
				13 - Quik-gel										
				56 - Cellex										
				1 NW casing shoe 50% worn										
				1 NQ bit 75% worn, reaming cave 111'-191'										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-5 LENGTH: 270'
 LOCATION: 51+50n; 6+83e DIP: -60°
 LATITUDE: DEPARTURE: ELEVATION: 5669' AZIMUTH: 130°
 HOLE STARTED: 79-07-15 HOLE COMPLETED: 79-07-16

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-5
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY				
0	22.0	22.0	0	Casing through overburden & weathered rock.										
22.0	32.5	10.5	85	Dk grn. amph. and. porph., rusty frac. sfces, 1% diss. Py Fault with Py-chl gouge @ 28° & 80° @ 31.5'										
32.5	37.5	5.0	95	Grn, pink mottled dacite with Bx. frags of andesite, 1% diss. Py., Py on frags. with chl., 2% open spaces.										
37.5	59.0	21.5	90	Dk grn. amph. and. porph., 2% diss. py., occ. zeols. Py on most frags. @ 25°, 60°. (Magnetite). Faults @ 27°, 43° @ 48.5' and 52' respectively, with gry gouge 1" wide.										
59.0	66.5	7.5	95	Dk grn., brown mottled lapilli tuff, dacite ground, mass with frags. andesite (non-magnetic) calc-zeol in matrix & frags. 1% Py as diss & on frags. Volc. bedding @ 75°.										
66.5	76.0	9.5	100	Dk grn. amph. and. porph. calc-zeol. frac. fillings, (magnetic), 2% diss. py, frags @ 30°, 40°. 72' - 2" wide fault zone filled with calc-zeol @ 30°										
76.0	84.0	8.0	90	Dk grn brown mottled dacite lapilli tuff. Frgs of amph. and. porph., 1-2% diss. py., (Magnetic) 78' - 0.02' gry. gouge @ 40°.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-5

 SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS			
FROM	TO	WIDTH	RCVRT		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
							FROM	TO	WIDTH				
84.0	93.0	9.0	95	Dk grn. amph. and. porph. (magnetic) 1% diss. py.									
93.0	93.2	0.2	100	Dk grn. brown mottled dacite-andesite lapilli tuff @ 37° upper contact; lower contact @ 45°; Variably magnetic.									
93.2	117.0	23.8	95	Dk grn. amph. and. porph., 2% diss. py., occ. magnetite blebs & stringers. calc-zeol frac. fillings @ 60°, 28°, 15°. 106' - 1/2" gry fault gouge @ 30°. 110'-110.5' Dk gry-grn fault gouge @ 18°									
117.0	120.5	3.5	95	Dk grn. amph. and. porph., wkly silicf'd., amph. phenos. nearly gone, 2% diss. py., (magnetic) zeols-calc. frac. fillings.									
120.5	121.0	0.5	90	Qtz V, 3% diss. py. approx. 70% Qtz rest silif'd volc. att'd 50°	8238A		120.5	121.0	0.5	90	<0.01	<0.1	
121.0	124.0	3.0	45	Dk grn. brown mottled lapilli tuff, occ. ang. dacite and. frags., 2% diss. py., Matrix dacitic, calc-zeols. in frags.									
129.0	131.0	2.0	95	Dk. grn. amph. and. porph., variably magnetic, 1% diss. Py									
131.0	135.0	4.0	85	Dk grn. brown mottled dacite lapilli tuff with lap of and. & dacite, 2% diss. py, pink zeols. in frags.									
135.0	144.0	9.0	95	Dk grn. amph. and. porph., strongly magnetic, 1-2% diss. Py zeol.-calc in frags.									
144.0	144.8	0.8	100	Gry-wte, chl-tc Qtz @ 42°, black flecks (Poss. Argentite) Magnetic in grey-black bands ll to contacts, 2% Py as stringers.	8239A		144.0	144.8	0.8	100	<0.01	<0.1	
144.8	147.0	2.2	95	Grn. pink mottled Bx., recemented with lgt. grn. dacite, andesite frags. to 1" long, 1% open spaces with calc-zeol.									
147.0	151.0	4.0	95	Strongly silif'd volc., some buff rems. of F.p., minor chl., Tr. Cpy., num. gry flecks, 1% diss. Py, 1% open spaces, tiny grey bands, poss. Argentite; (S.G. Sample 148.5').	8240A		147.0	151.0	4.0	95	<0.01	0.1	

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-5

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag	CHECK		
							FROM	TO	WIDTH			RCVRY	Au	Ag
151.0	152.0	1.0	100	Dk grn. silif'd volc. with 0.01' qtz v @ 33°, banded with chl - py. Occ. zeol.-calc frac. filling.										
152.0	161.0	9.0	95	Lgt. grn-gry f.g. dacite, 2% diss. py., Py vnlt's to ¼" wide @ 42°, strong frags. @ 42°, wk @ 10°, Occ. amph. phenos.										
161.0	163.5	2.5	95	Gry-brown mottled f.g. dacite, Pink f.p. rems visible, frags @ 30°, 80°, minor calc. in matrix.										
163.5	166.0	2.5	95	Gry. f.g. dacite, 1-2% diss. py. with chl., occ zeol.-calc.										
166.0	169.0	3.0	50	Gry-brown mottled dacite with pink f.p. remnants.										
169.0	176.0	7.0	75	Lgt. to dk grn. andesite lapillip tuff with dacite laps. 1-2% diss. py. magnetite blebs to ½" dia., zeol-calc-chl com. filling frags. Core broken into 1"-2" pces.										
176.0	191.0	15.0	90	Dk grn. mottled andesitic lapilli tuff. Minor dacite lapilli mostly andesites; wkly magnetic, 2-3% diss. py 181'-0.2' banded qtz v @ 46°. 188' - 0.01' gry. pebbly gouge @ 62°, slicks @ 90° to core.										
191.0	194.0	3.0	80	Dk grn. mottled andesitic lapilli tuffs with lapilli of and., dacite, and quartz, 2-3% diss. py. in matrix & lapilli.										
194.0	197.0	3.0	75	Gry. qtz. v @ 18°, chl-py bands @ 30°. Minor diss. py.	8035A		194.0	197.0	3.0	75	0.18	<0.1	0.022	0.08
197.0	202.0	5.0	95	Gry. grn. silif'd volc. with frags of dacite & andesite 2% open spaces, calc-qtz stringers <¼" wide.	8036A		197.0	199.0	2.0	95	0.10	<0.1	0.004	0.07
					8037A		199.0	202.0	3.0	95	0.15	0.3	0.005	0.06
202.0	202.6	0.6	100	Dk grn. and. tuff as in 191-194'.	8038A		202.0	202.6	0.6	100	0.04	<0.1		
202.6	204.0	1.4	100	Gry. banded qtz., 3% open spaces (vugs & frags); 203' - 2" band of grey (poss. argentite) mixed with Py-chl, occ. volc. frags alt'd to grn. clay, <1% diss. py.	8039A		202.6	204.0	1.4	100	0.05	<0.1		

199111

DIAMOND DRILL HOLE RECORD										HOLE NUMBER: C79-5				SHEET NUMBER 4 OF 4			
FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag	CHLOR A ₁	A ₁			
204.0	219.8	15.8	90	Dk. grn. andesitic tuff, with c-g. each f.p. phenos in frags., 2% diss. py replacing mafics mostly. 214' - Gry. fault gouge @ 40° 217.5' - Gry. fault gouge @ 54° 219.5' - 0.3' whte. qtz. v @ 60°, 1" vug with qtz XLs.													
219.8	223.5	3.7	100	Dk grn. andesitic tuff, frags of f.p. porph. andesite 220' - 0.3' gry. fault gouge @ 28°.													
223.5	230.0	6.5	85	Gry-white qtz with occ and. frags., minor grey flecks & ribbons; <2% open spaces, Tr. cpy, <1% Py	8040A		223.5	227.0	3.5	85	0.55	0.8	0.46	1.00			
					8041A		227.0	230.0	3.0	85	0.25	0.3	0.26	0.36			
230.0	243.5	13.5	95	Grn. pink mottled andesitic welded tuff, amph. & f.p. phenos variably alt'd; occ. qtz frags., 1% diss. py, Calc-zeol vng.													
243.5	248.0	4.5	100	Gry-white qtz in pt. Bx, cemented with white qtz, some chl- py ribbons @ 40°, 2% open spaces.	8042A		243.5	248.0	4.5	100	0.12	0.5	0.00	0.31			
248.0	252.0	4.0	100	Gry-white mottled qtz @ 40°, some gry ribbons & flecks, occ. Bx texture, 1% diss. py.	8043A		248.0	252.0	4.0	100	0.10	0.5	0.022	0.19			
252.0	257.0	5.0	100	Dk grn. brn. mottled silicf'd & Bx. volc. cemented with qtz- calcite. 253' - 0.01' gry. fault gouge @ 20°, minor zeols.	8044A		252.0	257.0	5.0	100	0.14	0.2	0.002	0.05			
257.0	270.0	1.3	95	Dk. grn. amph. and. porph., 2% diss. py., variably magnetic blebs & stringers of magnetite.													
	270.0			Foot of hole.													
				Note:													
				10 - Quik-gel used													
				60 - Cellex used													
				Fault zone 193-196 pumped heavy mud.													

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling
 HOLE NUMBER: C79-6 LENGTH: 326'
 LOCATION: 51+50a; 6+83e DIP: -73°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5669' AZIMUTH: 130°
 HOLE STARTED: 79-07-16 HOLE COMPLETED: 79-07-17

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-6
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE							
							FROM	TO	WIDTH	RCVRY				
0	20.0	20.0	0	Overburden, casing to 20'.										
20	26.3	6.3	95	Andesite amph. porph., dk grn, rusty frags. 2% diss. Py, Fracs @ 60°, 24°; Fault @ 25' @ 24°, mvmt parallel to core.										
26.3	29.4	3.1	100	Dacite, gry-bwn, f.g., occ. blebs of andesite, 1-2% diss. Py										
29.4	30.3	0.9	90	Andesite amph. porph., 1% diss. Py, chl-py on frags. Fault @ 29.5' @ 25°.										
30.3	34.0	3.7	100	Dacite; gry-bwn, mottled, occ. pk f.p.s, occ. and. blebs; 1% diss. py, Lat @ 34°, minor calc. strngs.										
34.0	50.8	16.8	95	Andesite amph. porph. dk grn, 1-2% diss. py, Py-chl in frags., frags @ 70°, 30°, 18°. Num. calc-zeol filled frags; magnetic										
50.8	51.0	0.2	100	Dacite, welded tuff, Pk-bwn; poss. dyke?										
51.0	56.0	5.0	95	Andesite amph. porph., Variably magnetic. Fault @ 54' with chl gouge @ 31°.										
56.0	56.5	0.5	100	Dacite; f.g. pk-bwn, poss. dyke? calc-zeol. filled frags. contacts @ 48°.										
56.5	82.5	26.0	95	Andesite amph. porph., 2-3% Py, diss. & in frags, Magnetic 64.5' - Fault with chl-py gouge @ 28°; slick sides @ 30° 74-75' - Fault with chl. andesite @ 25°, slick sides @ 20°										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-6

 SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
82.5	85.5	3.0	95	Andesite welded tuff, dk grn-gry, mottled, frags of and. & dacite.													
85.5	89.5	4.0	100	Andesite amph. porph., dk grn., pink veined with zeol.-calc 20% zeols. Fault @ 86-89' @ 18°; zeol-shrd volc-calc gouge													
89.5	101.5	12.0	100	Andesite amph. porph., cut by num. tiny calc-zeol. stringers, variably magnetic, 2% diss. py, chl-py on frags. @ 70°, 20°, 42°.													
101.5	134.0	32.5	100	Andesite amph. porph. welded tuff, dk grn-bwn mottled with frags. of andesite & dacite, 2% diss. py; variably magnetic Fault @ 112.9' with 0.02' calc-zeol. gouge @ 65°.													
134.0	136.0	2.0	75	Andesite amph. porph., alt'd lgly to chl. poss. fault, att'd? Core broken to pces <2" dia., 3% Py.													
136.0	145.0	9.0	100	Andesite amph. porph., dk grn., vbly. magnetic, 2% diss. Py, num. calc-zeol strgrs, chl-py on frags.													
145.0	162.0	17.0	100	Andesite amph. porph. lapilli tuff, 2% diss. Py, vrbly magnetic, num. calc. strgrs.													
162.0	163.5	1.5	100	Dacite, f.g. brown-grn, @ 47°.													
163.5	165.0	1.5	100	Andesite amph. porph., dk grn.													
165.0	172.0	7.0	90	Dacite, grn-bwn, f.g. to massive, occ. pk zeols on frags with py. 1% diss. py (non-magnetic).													
172.0	178.0	6.0	95	Andesite amph. porph. lapilli tuff with lapilli of brn dacite in and. matrix, 2% diss. py, occ. calc-zeol strgrs, occ. lapilli of f.p. porphyry (andesitic?).													
178.0	183.0	5.0	95	Andesite amph. porph., 1% diss. py, vrbly. magnetic, core broken into <1½" pces.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-6

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
183.0	191.0	8.0	95	Andesite amph. lapilli tuff, dk grn with lapilli of dacite and f.p. pheno andesite.										
191.0	196.0	5.0	80	Andesite amph. porph., dk grn, vrbly magnetic, frags @ 18°, 28°, 60°. Fault @ 195' with 0.02' gry gouge @ 18°.										
196.0	205.5	9.5	100	Andesite amph. welded tuff, f.p. phenoandesite frags with occ. dacite frags, 1-2% diss. py, mostly in andesite.										
205.5	212.0	6.5	100	Andesite tuff, dk grn, pk mottled, cut by num. pk zeol-calc stringers, @ 30°, 15°, Poss. bedding @ 62°; 2% diss. Py.										
212.0	225.0	13.0	95	Andesite tuff; highly shrd., Fault @ 213' with 0.03' gry fault gouge @ 16°, occ. ½" qtz v @ 18° with ½" offsets. Faults @ 217' with 2' shrd volc. & qtz strgrs @ 19° 223' with 0.1' gry gouge @ 22° 224' with 1' shrd volc. @ 18°										
225.0	237.0	12.0	90	Andesite welded tuff; dk grn, bwn mottled, with occ. zeol-calc strgrs, Amph. phenos in grnd mass, frags @ 18°, 5°, 50°. Occ. ½" qtz v @ 50°, some with ½" offsets. Fault @ 236' with 0.5' grn gouge @ 10°.										
237.0	245.0	8.0	100	Andesite, grn-brn; strongly silif'd with approx 60% qtz, 5% calc-zeol, 2% diss. py, Poss bx, recem with qtz.	8266A		237.0	241.0	4.0	100	<0.01	0.1		
					8267A		241.0	245.0	4.0	100	0.01	0.1		
245.0	249.0	4.0	95	Andesite lapilli tuff; with brn-grn, frags of dacite in grn andesite matrix, 2% diss. py, calc-zeols strgrs; Uct @ 30°.										
249.0	255.5	6.5	85	Andesite amph. porph., dk grn, 1% diss. py, core broken to <½" pces; Abndt py on frags.										
255.5	258.0	2.5	85	Andesite amph. porph. welded lapilli tuff, with dacite-andesite										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-6

 SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		Au	Ag		
							FROM	TO				
				lapilli in f.g. andesitic matrix, 2% diss. py., num. zeol-calc core broken to <1" pces.								
258.0	261.0	3.0	100	Andesite amph. porph. welded lapilli tuff, dk grn with lapilli to 5" long, 1% diss. Py, Pink felsic zone @ 260-260.5 @ 50°.								
261.0	285.0	24.0	100	Andesite lapilli tuff, dk grn, with dacite and andesite lapilli, zeol-calc strgrs @ 80°, 30°, 20°.								
				Fault @ 279' with 0.6' bx zone @ 70°								
285.0	294.0	9.0	100	Dacite lapilli tuff, grn-brn with lapilli of dacite & andesite amph. porph., occ. qtz vnlts @ 60°, 1-2% diss. Py, num. calc-zeol strgrs.								
294.0	297.5	3.5	100	Andesitic lapilli tuff, dk grn, wkly silif'd, @ 62°. occ 3-5" qtz vns, 1% diss. py.	8045A		294.0	297.5	3.5	100	0.12	0.01
297.5	305.5	3.0	100	Qtz V, white-gry, with tiny gry strgrs, occ. chl-py bands @ 80° 45°, 32°; some bx recent. text. (S.G. sample @ 298')	8046A		297.5	300.5	3.0	100	0.02	<0.1
					8047A		300.5	305.5	5.0	100	<0.02	<0.1
305.5	306.5	1.0	100	Dacite; brn-grn, wkly. silif'd, @ 50°, 1% diss. Py	8049A		305.5	306.5	1.0	100	<0.02	0.5
306.5	309.5	3.0	100	Qtz. V gry-white, occ gry vnlts @ 15°, <0.002' wd, <1% diss. Py Py. filled fracs. com., Lct @ 70°; (S.G. sample @ 307').	8050A		306.5	309.5	3.0	100	0.04	0.3
309.5	326.0	15.5	100	Dacite, welded lapilli tuff, dk brwn-grn, with andesite amph. porph. lapilli, num. calc.-zeol strgrs., 1-2% diss. Py., occ. lapilli of pre-existing tuff.	8051A		309.5	315.0	4.5	100	<0.02	0.3
	326.0			Foot of hole.								
				Note: Hole caving & squeezing 240'-275', Using mud Lost return @ 241'.								
				Used: 4 gallons Polydrill								
				1 NQ bit worn 75%								

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-7 LENGTH: 193
 LOCATION: 49+50n, 6+62e DIP: -45°
 LATITUDE: 5662' DEPARTURE: 130°
 ELEVATION: 79-07-18 AZIMUTH: 79-07-19
 HOLE STARTED: 79-07-18 HOLE COMPLETED: 79-07-19

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-7
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
0	21.0	21.0	0	Overburden; casing to 21'										
21.0	35.0	14.0	80	Andesite amph. porh; dk grn, 1% diss. py., rusty frags, frags. @ 10°, 25°, 40°.										
35.0	55.0	20.0	95	Andesite amph. porph., as above unit, occ. qtz strgrs @ 32°, Fault @ 32° @ 42' with 0.2' rusty gouge.										
55.0	63.0	8.0	100	Andesite amph. porph., dk to md grn, with occ. clastics, 2% diss. py., rusty frags, calc-zeols strgrs com. Fault @ 60-63' with rusty gouge @ 15°.										
63.0	67.0	4.0	100	Andesite dyke, v.f.g., dk grn to blk, magnetic, 2% diss. Py Uct @ 50°, Lct. @ 47°.										
67.0	88.5	21.5	95	Andesite amph. porph., dk grn, vrbly alt'd, 2-3% Py., rusty frags., Poss. bedding @ 50° @ 86'. Fault @ 23° with 0.2' chl-py gouge @ 74'										
88.5	89.0	0.5	100	Andesite dyke, f.g. dk grn-black, (massive) @ 30°, Lct, 32° Uct.										
89.0	95.0	6.0	95	Dacite, Lt. grn with f.g. whte-brn. alt'd f.ps, 1% diss. Py., 90.5' Andesite dyke as in units 88.5 to 89 above; 1 frag. of stoped dacite visible, num. calc. blebs.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-7

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
95.0	100.0	5.0	50	Dacite, gry. f.g., vrbly alt'd with qtz strgrs occ. @ 30°	8048A		95.0	100.0	5.0	50	0.02	1.5		
100.0	104.5	4.5	90	Dacite, as above; core broken to <2" pces.	8052A		100.0	104.5	4.5	90	0.02	0.5		
104.5	105.5	1.0	95	Qtz V, gry-whte, @ 21°; 5% Py., occ. grey flecks, Uct 60°	8053A		104.5	105.5	1.0	95	0.04	0.5		
105.5	106.5	1.0	100	Dacite, f.g., gry. wkly, silif'd, 2% diss. Py	8054A		105.5	106.5	1.0	100	0.04	1.0		
106.5	111.0	4.5	80	Andesite, dk grn, v.f.g., magnetic, occ. calc. bleb, chl-py on fracs. Fault @ 15° with 0.01' gry gouge @ 108'										
111.0	113.0	2.0	100	Andesite amph. porph. vrbly silif'd cut by tiny qtz vnlt @ 27°, 2-3% diss. Py. amph. phenos lgly alt'd to chl.	8055A		111.0	113.0	2.0	100	0.08	0.4		
113.0	115.0	2.0	100	Qtz V, 90% qtz, volc, 2% Py, 3% open spaces, Occ. Bx & recemnt. text.	8056A		113.0	115.0	2.0	100	0.02	0.1		
115.0	120.0	5.0	85	Andesite amph. porph. vrbly silif'd, 2% diss. Py. Fault @ 15° with gry gouge @ 118' core broken to <2" pces.										
120.0	132.0	12.0	0	Triconed from 120 to 132 due to faulting; squeezing rods.										
132.0	133.0	1.0	95	Qtz V, 90% with volc. frags. 2% diss. Py, Occ. chl & gry flecks	8057A		132.0	133.0	1.0	95	0.04	0.3		
133.0	143.0	10.0	95	Andesite tuff or Bx? recemnt. with qtz-calc-zeol., 1-2% diss. Py										
143.0	148.0	5.0	95	Qtz. V., gry mottled with occ. chl band; 2% diss. Py & on fracs. Occ. grey fleck. Fault @ 144.5' with 0.2' gouge @ 18°	8058A		143.0	148.0	5.0	95	0.04	0.5		
148.0	150.0	2.0	95	Qtz. V with silif'd Volc., bx & recemnt with qtz., 90% qtz., 1-2% Py., Num. clay filled vugs.	8059A		148.0	150.0	2.0	95	0.18	1.8		
150.0	154.0	4.0	95	Qtz. V. with silif'd volc., chl. bands @ varying att'ds	8060A		150.0	154.0	4.0	95	0.04	1.0		
154.0	156.0	2.0	100	Andesite-dacite tuff with frags of gry.-wht mottled andesite & dacite, num. calc-zeol strgrs.	8061A		154.0	156.0	2.0	100	0.10	0.3		

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-7

 SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS							
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE									
							FROM	TO	WIDTH	RCVRY						
156.0	160.0	4.0	98	Dacite welded tuff, with andesite & dacite frags. <1% Py ct @ 31'.												
169.0	169.0	9.0	90	Andesite amph. porph., dk grn with 1-2% py., vrbly mag., broken into <1" pces.												
169.0	178.0	9.0	100	As above 160-169.												
178.0	179.5	1.5	100	Andesite welded tuff, cemented with lt grn. matrix, occ. dacite frags.												
179.5	193.0	13.5	100	Andesite amph. porph., dk grn. vrbly alt'd mafics, calc filled strgrs com. Fault @ 188.3' @ 35° Fault with Bx. volc. @ 32' at 192-192.5', 5% Py in fault Foot of hole.												
				Note: Triconed 124'-132' due to squeezing hole. Fault.												
				Used: 14 Quik-gel												
				16 Quik-trol												
				15 gal. soluble oil												
				12 Cellex												

DIAMOND DRILL HOLE RECORD

W. H. H. H.

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-8 LENGTH: 291'
 LOCATION: 49+50n; 6+62e DIP: -80°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5662' AZIMUTH: 130°
 HOLE STARTED: 79-07-19 HOLE COMPLETED: 79-07-20

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-8
 PROPERTY: Chappelle (Vein A)
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag							
							FROM	TO	WIDTH	RCVRY									
0	12.0	12.0	0	Overburden, used NQ casing.															
12.0	47.0	35.0	85	Andesite amph. porph., dk grn, c.g. euh amph. phenos., 1% diss. Py., lgly. leached, rusty frags. @ 50°, 18°. Fault @ 22', att'd?, 1" rusty gouge. Fault @ 37' rusty gouge @ 15°															
47.0	55.0	8.0	95	Andesite amph. porph., occ. calc strgrs, Basaltic dyke @ 54-55' @ 60°, occ. pk zeol. strgrs in dyke.															
55.0	96.0	41.0	95	Andesite amph. porph., dk grn. fresh frags. Fault @ 15° @ 65' cement'd by Qtz, 15% open spaces @ 37° @ 87-87.5' to gry. gouge @ 22° @ 93' with chl-calc-Qtz gouge															
96.0	115.0	19.0	95	Andesite amph. porph., vrbly alt'd., core brkn to <1" pces. Faults @ 55° @ 103.5' with 0.5' gry. gouge @ 62° @ 110' with 0.005' gry. gouge															
115.0	130.0	15.0	90	Dacite, grn-brn, f.g. with amph. phenos, 2% diss. py., Pk-white calc-zeol-strgrs, occ. calc blebs; frags. @ 45°, 30°, 72°.	8062A		125.0	130.0	5.0	90	0.06	0.1							
					8063A		130.0	132.5	2.5	90	0.04	0.3							
130.0	132.5	2.5	90	Qtz V, gry. streaked with occ. cly. blebs to 2" dia., 2% diss. Py mostly in vugs, gry. ribbons @ 30°															

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-8

SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
				130-130.5' silif'd volc @ 50°.										
132.5	133.5	1.0	70	Volcanic, silif'd, brkn into <1" pces; Poss. fault @ Lct of Vn	8064A		132.5	133.5	1.0	70	0.04	0.5		
133.5	136.0	2.5	95	Andesite, variably silif'd, lt grn-gry mottled with occ. 1" qtz vns, @ 30° @ 0.5' intvls., 2% diss. py.	8065A		133.5	136.0	2.5		0.04	0.3		
136.0	140.5	4.5	95	Andesite amph. porph., vrbly silif'd, by 6" qtz vn @ 140-140.5' @ 30° with gry. ribbons.										
140.5	146.0	5.5	95	Andesite welded tuff with dk grn andesite matrix & brn clasts of dacite?, 3-5% diss. py. (mostly in and. matrix). Frac. strong @ 20°, 40°, 75°.										
146.0	161.0	15.0	85	Andesite tuff, lt-dk grn, vrbly alt'd, 3% diss. Py., Fault @ 30° @ 147', 0.02' gry-zeol gouge Felsic silif'd zone @ 154-155.5', Pk mottled with andesite frags.										
161.0	167.0	6.0	0	Triconed due to water loss & squeezing ground.										
167.0	170.0	3.0	80	Andesite welded tuff, dk grn with lt grn mottling, rem. of amph. phenos., 2-3% diss. py., occ. qtz vnlt.										
170.0	178.0	8.0	75	Andesite amph. porph., dk grn with 2-3% diss. Py., core brkn to <1" pces.										
178.0	187.0	9.0	90	Andesite amph. porph. with occ. 1/2" qtz vnlt. Felsic zone with pk zeol-calc strgrs (1.2' wide).										
187.0	209.0	22.0	85	Andesite amph. porph. tuff with 2% diss. Py., Pk zeol. strgrs. com @ 21°, 32°; Fault @ 187.5' with 0.05' chl. gouge @ 21°.										
209.0	231.0	22.0	91	Andesite tuff, lt grn-brn mottled with frags of dacite & andesite in. f.g. andesitic matrix, 5% diss. Py., occ. tiny qtz strgrs. Fault @ 15° with 0.2' grn gouge @ 218'										

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-8

SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
							FROM	TO	WIDTH				
				Sheared & crumbly rock, 219-224'									
				Fault @ 70° with slick sides @ 22° @ 226'									
231.0	237.0	6.0	90	Andesite amph. porph., dk grn, with occ. brn mottly, poss. clastics 5-10% diss. py., zeol-calc com; occ. ½" qtz vns @ 15°.									
237.0	247.0	10.0	100	Andesite welded tuff, md grn with clastics of amph. porph. & brn dacite, 5% f.g. diss. py., occ. ½" qtz vnls, @ 15° to 18°; pk-white calc-zeol fillings com.	8066A		243.0	247.0	4.0	100	0.04	<0.1	
247.0	249.0	2.0	100	Qtz. V with clasts of andesite & dacite; 20% volc, 75% qtz., 5% Py., att'd?	8067A		247.0	249.0	2.0	100	0.06	0.3	
249.0	250.5	1.5	100	Dacite Bx, brn-gry cement'd with qtz 3-5% Py.	8068A		249.0	250.5	1.5	100	0.06	<0.1	
250.5	255.0	4.5	100	Qtz. V, gry with Bx texture, 10-15% volcs., num. grey criss crossing ribbons. Fault @ 65° with 0.2' gry gouge @ 253.5'	8069A		250.5	255.0	4.5	100	0.08	0.1	
255.0	257.5	2.5	100	Qtz Vn, 80% qtz, 15% volcs, 5% frags., occ. open spaces, some gry bands & flecks.	8070A		255.0	257.5	2.5	100	0.04	0.1	
257.5	261.5	4.0	100	Qtz Vn, as above Lct @ 32° to dacite	8071A		257.5	261.5	4.0	100	0.06	<0.1	
261.5	285.0	23.5	100	Dacite, lt brn f.g. with zeol-gypsum frac. fillings, 5-10% diss. Py., occ. amph. phenos.	8072A		261.5	266.0	4.5	100	0.02	0.2	
285.0	291.0	6.0	100	Dacite, lt brn, fig., with 10% diss. py., Lct with above unit @ 60°-70°, num. amph. phenos.									
	291.0			Foot of hole.									
				Note: Lost return 128-161'; triconed 161-167' due to squeezing ground; Badly caved at this point. Used heavy mud 205-214'.									

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-8

SHEET NUMBER 4 OF 4

Handwritten initials

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
				USED: 2 NQ bits worn 90%										
				1 NQ bit worn 75%, 1 worn 100%										
				1 NQ reaming shell, 50% worn.										
				16 Quik-gel										
				44 Cellex; 10 gal. soluble oil										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-9 LENGTH: 241'
 LOCATION: 52+50n; 6+65e DIP: -45°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5691.5' AZIMUTH: 110°
 HOLE STARTED: 79-07-21 HOLE COMPLETED: 79-07-21

ACID 8/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-9
 PROPERTY: Chappelle (VeinA)
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
							FROM	TO	WIDTH	RCVRY			
0	20.0	20.0	0	Overburden, NQ casing to 20'.									
20.0	22.0	2.0	20	Feldspar, qtz eye porph., pk-brn with m.g. qtz eyes, 2% diss. Py Fps. lgly. alt'd to clay.									
22.0	30.0	8.0	80	Feldspar, qtz eye porph., as above, occ. zeol. filled fracs. @ 60°, 42°.									
30.0	47.0	17.0	90	Feldspar, qtz eye porph., wht-gry mottled, abn't clay alt'n in Fps., 3-5% open spaces after Py. Faults @ 32° with 0.8' gry. gouge @ 31.5' @ att'd?, with 0.5' gry. gouge @ 40'									
47.0	49.0	2.0	85	Dacite Bx., dk grn-brn poss. contact zone with Fp. porph. above, highly sheared with zeols. in fracs. @ 15°.									
49.0	75.0	26.0	85	Andesite amph. porph., lapilli tuff, dk grn, with 5% diss. Py., and. & dacite lapilli to 3" dia. Fault @ 65° with 0.5' chl gouge @ 58.5' @ 18° with 2' pk zeol. shr. @ 67' @ 30° with 3' pk zeol. shr. @ 70'									
75.0	92.0	17.0	90	Andesite amph. porph., poss. tuff, dk grn with brn patches (clasts ?) 5% diss. py., num. calc-zeol filled fracs.									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-9

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS							
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag					
							FROM	TO	WIDTH	RCVRY							
92.0	96.0	4.0	95	Andesite welded tuff, dk grn-brn, 5% diss. py., clasts to 3" dia.													
96.0	135.0	39.0	95	Andesite amph. porph., dk grn., massive with 3-5% diss. Py., vrbly. magnetic, abnd't chl-py on frags., occ. calc-zeols.													
135.0	157.0	22.0	80	Andesitic welded tuff, dk grn-brn with olive grn alt'd amph. phenos., 5% diss. Py., dacite an. fp. porph. clasts, core brkn to <1 1/2" pces.													
157.0	168.0	11.0	70	Dacite tuff, lt brn-gry, with 5% diss. Py., Bx. cement'd with dacite-qtz. matrix, abnd't cly. alt'n.													
168.0	172.0	4.0	45	Dacite, lt. gry, much cly., poss. fault gouge, 3-5% diss. Py., core brkn to <1" pces.													
172.0	173.5	1.5	100	Dacite, gry-brn, v.f.g. 5-8% diss. Py. Fault @ 41' with 0.5' gry. gouge @ 172.5'													
173.5	177.0	3.5	90	Dacite tuff, gry-brn, cut by qtz V to 0.04' wide @ 0.6' intvls, 5% diss. py., occ. gry. flecks & bands in qtz.	8073A		173.0	177.0	4.0	90	0.02	0.1					
177.0	184.0	7.0	100	Dacite fp porph., f.g., gry. with gry ribbons @ low angles (Poss. f.g. py), occ. qtz. V @ 1/2" wide.	8074A		177.0	180.0	3.0	100	0.02	0.2					
184.0	185.5	1.5	100	Qtz V., gry with gry bands, 3% Py, Tr. Cpy, 90% qtz, 5% volcs.	8075A		180.0	184.0	4.0	100	Missing						
* 185.5	191.6	11.1	100	Dacite fp. porph., mottled, abnd't cly. alt'n, 3-5% diss. Py., Fault @ 35° with 0.5' @ 187'-187.5'.	8076A		184.0	185.5	1.5	100	<0.02	0.1					
185.5	191.6	6.1	100	Dacite fp. porph., mottled, abnd't cly. alt'n, 3-5% diss. Py., Fault @ 35° with 0.5' @ 187'-187.5'.	8077A		185.5	191.6	6.1	100	0.02	0.3					
191.6	194.0	2.4	100	Qtz. V with gry bands, Tr. Cpy., Poss. arg., 1/2" vugs com. with good qtz phenos.	8078A		191.6	194.0	2.4	100	<0.02	0.1					
194.0	198.0	4.0	100	Dacite fp porph., gry. f.g. cly alt'd fp. 2% diss. py., num. py.	8079A		194.0	198.0	4.0	100	0.04	<0.1					

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-9

 SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag					
							FROM	TO	WIDTH	RCVRY							
198.0	199.5	1.5	100	filled fracs. @ various angles, occ. 1/4" qtz. vnlts.													
				Bx zone with qtz-volc frags. cement'd. with calc-qtz @ 15°; abnd't	8080A		198.0	199.5	1.5	100	0.02	0.1					
				lt. gry. mineral parallel to zone as ribbons.													
199.5	204.0	4.5	100	Dacite Fp. porph., gry. f.g. with 2% diss. py. occ. 1/4" vnlt.	8081A		199.5	204.0	4.5	100	0.20	0.1					
204.0	208.0	4.0	100	Dacite Fp. porph., f.g. gry., 20% diss. Py., num. gry. ribbons &	8082A		204.0	208.0	4.0	100	0.24	0.3					
				flecks. Fault @ 30° with chl-py gouge @ 207.6'.													
208.0	209.6	1.6	100	Qtz. V., massive with gry. flecks & ribbons, 3-5% diss. Py.,	8083A		208.0	209.6	1.6	100	0.40	0.8					
				3% open spaces.													
209.6	213.0	3.4	100	Qtz. V., gry-white, with 5% Py., gry. bands com. @ 48°; 211-211.5	8084A		209.6	213.0	3.4	100	1.36	45.0					
				gry. qtz. with 3% Cpy., Poss. Arg., 5% open spaces.													
213.0	218.2	5.2	100	Qtz. V., gry. banded with 2-3% diss. Py., 3-5% open spaces, occ.	8085A		213.0	218.2	5.2	100	0.24	1.0					
				volc. frag., with clay alt'n.													
218.2	224.0	5.8	95	Qtz. V., gry-white with occ. gry. bands, occ. cly. alt'd. volc.	8086A		218.2	224.0	5.8	95	0.44	0.5					
				(10%) 1-2% diss. Py.													
224.0	228.5	4.5	60	Dacite, m.g. grn-brn, lgly. cly. alt'd., 3-5% diss. Py.	8087A		224.0	228.0	4.0	60	0.02	1.2					
				Core brkn. to 2" pces. Fault @ ? Fw. of vn.													
228.0	241.0	13.0	75	Andesite amph. porph., dk. grn., gry mottled, mafics visible,													
				3% diss. py., abnd't. Py. on fracs. with chl.													
	241.0			Foot of hole.													
				Note: Used - 1 NQ bit, 50% worn in fault													
				12 Cellex													

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-10 LENGTH: 300'
 LOCATION: 52+50a; 6+65e DIP: -60°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5691.5' AZIMUTH: 130°
 HOLE STARTED: 79-07-21 HOLE COMPLETED: 79-07-22

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 5
 HOLE NUMBER: C79-10
 PROPERTY: Chappelle (Vein A)
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE							
							FROM	TO	WIDTH	RCVRY				
0	20.0	20.0	0	Overburden, NQ casing to 20'.										
20.0	22.0	2.0	50	Dacite, feldspar Qtz eye porph., gry-brn, 2-3% diss. Py., rusty frags. @ 52°, 20°, 67°.										
22.0	27.0	5.0	85	Dacite, as above.										
27.0	31.6	4.6	95	Dacite, f.p. Qtz eye porph., gry. cly. alt'd; 1-2% diss. py.										
31.6	48.0	17.6	90	Dacite, f.p. Qtz eye porph., gry. brn. Fault @ 62° with 0.2' gry. gouge @ 33'. @ 65° with 0.4' gry. gouge @ 37'										
48.0	50.6	2.6	95	Dacite, Fp Qtz eye porph., gry with strg. shr. zone @ 49-50.6' @ 15° filled with chl-py-zeol. Qtz V, 2" wide @ 50.4'-50.6' @ 60°										
50.6	55.0	4.4	95	Andesite amph. porph. lapilli tuff, grn-brn, with frags. of massive andesite & Fp porphyry: 3-5% diss. Py., calc. blebs com., Faults @ 15° with chl-zeol gouge @ 53'.										
55.0	58.5	3.5	100	Andesite feldspar porph., dk grn, whte. mottled by alt'd f.ps 3-5% Py, chl. com. on frags.										
58.5	60.0	1.5	95	Andesite amph. porph., md grn with zeol. shr. zone @ 58.5' -										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-10

 SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH					RCVRY				
				58.7' @ 20°.														
60.0	71.1	11.0	95	Andesite amph. porph., with 3-5% diss. Py. & in frags. occ. calc-zeol strgrs.														
				Felsic pk zone @ 62' for 0.4' @ 74° & @ 64' for 0.5' @ 60°														
				Vrbly. magnetic, Fault @ 45° with 0.1 chl. gouge @ 68'														
71.0	75.0	4.0	100	Dacite, Fp Qtz eye porph., Brn-pk with m.gr. Qtz eyes in f.g. feldspathic matrix; 1% diss. py. Lct @ 70°.														
75.0	80.0	5.0	85	Andesite amph. porph., strg. shr. with abnd't chl. @ 40° for 3'														
80.0	82.5	2.5	100	Andesite amph. porph., porph. lapilli tuff with lap. of and. Fp. porph. calc-zeol strgrs com., Felsic dyke @ 70° @ 80.1' to 80.3'.														
82.5	84.0	1.5	100	Dacite, Fp Qtz eye porph., Uct @ 80°														
84.0	103.0	1.9	95	Andesite amph. porph. lapilli tuff with laps of c.g. Fp. porph., 2% diss. py., calc-zeol. strgrs @ various angles. Faults @ 75° & 15° with 0.2' gouge @ 88' @ 80° with 0.9' gry. gouge @ 91' @ 40° with 0.4' zeol-chl gouge @ 97.6'														
103.0	109.5	6.5	95	Andesite amph. porph. tuff with clasts of brn dacite in dk grn and. matrix 5-8% diss Py. (alt'd mafics).														
109.5	111.0	1.5	100	Dacite tuff brn with dacite clasts to 1" dia., occ. zeol. frac. @ 15°.														
111.0	121.0	10.0	95	Andesite amph. porph. lapilli tuff, lapilli of andesite porph. and occ. dacite in dk grn matrix. 5% diss. py., Qtz V ¼" wide @ 113' @ 75°; occ. ¼" Qtz vns @ 8" incls.														
121.0	128.0	7.0	100	Dacite Bx., gry. mottled with ang. frags. of pk dacite; Qtz,														

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-10

SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
128.0	154.0	26.0	95	Andesite amph. porph. lapilli tuff dk grn-brn mottled with occ. zeol-calc, blebs & strgrs; 5% diss Py., chl-py on brkn frags., occ. 1/4" Qtz vns. @ 0.9' intvls, frags. @ 60°, 30°, 45° bedding @ 140' @ 62°.										
154.0	155.0	1.0	85	Dacite Fp. porph. with m.g. Qtz eyes, gry-brn. lgly clay alt'd., 1% diss. py.										
155.0	157.0	2.0	75	Andesite amph. porph. tuff										
157.0	163.0	6.0	85	Dacite tuff, gry-grn with andesite clasts, 2-3% diss. Py. core brkn to <1 1/2" pces.										
163.0	173.0	10.0	70	Dacite tuff as above; core brkn to <3" pces. Poss. fault; core to brkn. too brkn to tell.										
173.0	180.0	7.0	75	Andesite amph. porph. lapilli tuff, dk grn with clasts of andesite amph. porph. & feldspar porph. 3% diss. py., core highly fractured & brkn. to <2" pces.										
180.0	190.0	10.0	50	Andesite amph. porph. lapilli tuff										
190.0	205.0	15.0	80	Andesite welded tuff, md. grn. with gry patches (cly alt'n) 3% diss. py., Core bkn to <2" pces., crumbly, soft. Fault @ 62° with 0.4' gouge @ 200'.										
205.0	210.0	5.0	55	Andesite amph. porph. lapilli tuff, dk grn with clasts of andesite amph. porph., feldspar porph. and dacite. Occ. Qtz vnlts. att'd? (too bkn to tell), 3-5% diss. py.										
210.0	214.0	14.0	65	Andesite tuff, olive grn with abnd't chl, 3-5% diss. py., core brkn. to <2" pces.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-10

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
214.0	219.0	5.0	15	Dacite tuff with clasts of alt'd and. amph. porph. 2% diss. py., core brkn. to <1" pces.											
219.0	223.0	4.0	40	Dacite tuff, gry with other volc. clasts vsble; Fault @ 20° @ 222	8088A		219.0	223.0	4.0	40	0.02	0.2			
223.0	226.0	3.0	85	Dacite bx. gry-brn, cemented with qtz; gry-pk mottled 1/2"-1" qtz vnlt. @ 6" intvls @ 30°, 45°, 1% diss. Py.	8089A		223.0	226.0	3.0	85	0.02	0.2			
226.0	230.0	4.0	95	Qtz V. gry with occ. volc. frag., 5-10% open spaces, 3% diss. Py, Tr. Cpy., Occ. gry flecks & bands (argentite).	8090A		226.0	230.0	4.0	95	0.08	1.7			
230.0	236.0	6.0	100	Qtz. V., gry-white., occ. volc. frag., occ. gry. ribbon and fleck, 5% open spaces with py. inside; 5% diss. Py.	8091A		230.0	236.0	6.0	100	0.16	1.0			
236.0	239.0	3.0	100	Dacite bx., gry-grn with qtz cement, 3% Py.	8092A		236.0	239.0	3.0	100	0.04	0.1			
239.0	245.0	6.0	80	Andesite tuff, dk grn with dacite clasts, 3% diss. Py., Fault @ att'd? with grn gouge @ 244'.											
245.0	246.5	1.5	100	Felsic dyke? pk-grn with m.g. fp phenos, Uct @ 40°											
246.5	248.0	1.5	90	Qtz V., wht-gry with 1% diss. Py., 5% open spaces, some zeol. in qtz as vnlt. @ 15°.	8093A		246.5	248.0	1.5	90	0.06	<0.1			
248.0	261.0	3.0	90	Andesite amph. porph., dk grn 2% diss. py, py-chl on fracs., variably magnetic, core bkn to <2" pces.											
261.0	263.0	2.0	85	Dacite fp qtz eye porph., gry with clay alt'n, 1-2% diss. Py.											
263.0	266.0	3.0	80	Andesite amph. porph. dk grn.-black; magnetic											
266.0	267.0	1.0	75	Dacite fp. qtz eye porph., gry with cly alt'n.											
267.0	278.0	11.0	90	Andesite amph. porph. dk grn., 3% diss. Py. abnt chl-py on fracs.											
278.0	284.0	6.0	100	Dacite, gry-grn, m.g. with 2% diss. py., occ. pk zeols in fracs.											
284.0	285.0	1.0	30	Fault with 0.8' chl. gouge @ 70°											
285.0	295.6	10.6	100	Dacite, gry-grn, f.g. with amph. phenos., 1% diss. Py. strg. fracs. @ 20°, 60°, 80°, Rx. vry tough, brittle.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-10

SHEET NUMBER 5 OF 5

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag				
							FROM	TO	WIDTH	RCVRY						
295.6	300.0	4.4	0	No revy., core tube did not lock in barrel.												
	300.0			Foot of hole.												
				Note: Hole squeezing 195-200'												
				Lost circulation @ 270-300'												
				Core tube mismatched, not core, 295.9-300'												
				Used: 12 Quik-Gel												
				50 Cellex												
				15 gal. soluble oil												
				1 NQ bit, 50% worn in fault 210-219'												

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-11 LENGTH: 180'
 LOCATION: 53+00n; 7+45e DIP: -50°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5696' AZIMUTH: 130°
 HOLE STARTED: 79-07-22 HOLE COMPLETED: 79-07-23

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-11
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
0	20.0	20.0	0	Overburden; Casing to 20'														
20.0	22.0	2.0	40	Dacite Fp. Qtz eye porph., 1% f.g. diss. py., rusty frags. @ 90°, 60°, 10°; Core broken to <1" pcs.														
22.0	30.0	8.0	95	Dacite Fp. Qtz eye porph. with rusty frags.														
30.0	35.0	5.0	95	Andesite amph. porph., massive, dk grn, with 5% v.f.g. diss. Py., variably magnetic, rusty frags.														
35.0	45.5	10.5	95	Andesite amph. porph. welded tuff, with lt grn frags in dk grn matrix. 5% diss. py. occ. tiny Qtz. strgrs.														
45.5	52.0	6.5	95	Andesite amph. porph., massive dk grn-blk, with 5% diss. Py. num. blk patches of magnetite to 4" dia., Faults @ 47.5' with 0.2' grn. gouge @ 35° @ 52' with 0.4' grn gouge @ 70°														
52.0	70.0	18.0	95	Andesite amph. porph. lapilli tuff, md grn with brn patches of dacite, vrbly alt'd grnd. mass. 8% f.g. diss. Py., occ. tiny Qtz strgrs. @ low angles.														
70.0	89.0	19.0	97	Andesite amph. porph. lapilli tuff, dk-md grn with occ. massive zones 1" long, lapilli of and. amph. porph., fp. porph., & occ. dacite, occ. zeols. in frags; 5-10% diss. Py vrbly, with lapilli														

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-11

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag					
							FROM	TO	WIDTH	RCVRY							
89.0	93.5	4.5	97	Fault @ 22° with 0.1' zeol-chl gouge @ 83.5'													
				Andesite amph. porph., dk grn, occ. frags of other volcs.,													
				variably alt'd, occ. qtz strgrs @ 45° with py banding, 8% diss.													
				Py, blebs & frac. fillings; zeols. com. on frac.													
93.5	97.0	3.5	60	Andesite, md grn-brn, variably alt'd, core broken to <1" pces													
				Abn f chl-py on frac.													
97.0	107.0	10.0	90	Andesite amph. porph. tuff with sill alt'n., med. grn mottled													
				with alt'd mafics & Fps.													
				Qtz. V @ 98-98.6' @ 40° with 10% Py, 10% open spaces, mostly													
				vugs.													
				Fault @ 50° with 0.1' gry. gouge @ 100.8'.													
107.0	109.0	2.0	65	Fault @ 63° with 2' gry. gouge & pebbles @ 107'													
109.0	113.0	4.0	100	Dacite bx. brn. v.f.g. with qtz cement 3-5% diss. py., occ.	8094A		109.0	113.0	4.0	100	0.10	1.5					
				mafic rems.													
				Fault @ 43° with 0.2' gry. gouge @ 112.8'													
113.0	119.0	6.0	97	Qtz V lt gry. Argentite? in patches & bands, 1% Cpy, 8% diss. Py,	8095A		113.0	116.0	3.0	97	4.0	43.0	4.92	165.40			
				Occ. alt'd volc. frag. to 1" dia. Some chl-clay Uct with dacite	8096A		116.0	119.0	3.0	97	1.60	28.0	1.63	28.64			
				@ 43°, fault contact, some gouge.													
				Fault @ 40° with 0.2' gry. gouge @ 116'													
119.0	125.0	6.0	100	Qtz. V wht with occ. gry. patches & flecks, <1% diss. Py, 5%	8097A		119.0	122.0	3.0	100	0.06	0.5	0.074	0.72			
				open spaces, mostly vugs. Some Bx texts.	8098A		122.0	125.0	3.0	100	0.02	0.1					
125.0	130.0	5.0	100	Qtz. V., gry patches & ribbons; Vugs with qtz phenos	8099A		125.0	130.0	5.0	100	0.08	1.0					
130.0	132.0	2.0	100	Qtz. V., gry-wht with bx text. occ. silif'd volc frags. cemented	8100A		130.0	132.0	2.0	100	0.04	2.5					
				with qtz. gry. bands to 3" wide @ 30°, 40°, occ. yell. clay													
				patches rimmed with argentite.													

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-11

 SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SLIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
132.0	135.0	3.0	100	Dacite welded tuff or Bx., Olive grn (chi-py) with some qtz cement. Fault @ Uct with Vn @ 45°; movmt indic.	8101A		132.0	135.0	3.0	100	0.06	2.2		
135.0	140.0	5.0	100	Qtz. V gry with Bx. text, some grn & yell. clay in vugs, 3% diss. py., 3% open spaces.	8102A		135.0	140.0	5.0	100	<0.02	0.1		
140.0	145.0	5.0	100	Qtz. V with Bx text & tiny vnlt of qtz cutting main vein, num. gry. patches & blebs (Argentite) Tr. Cpy, 5-8% open spaces, minor yell. cly.	8103A		140.0	145.0	5.0	100	0.14	1.8	0.13	46
145.0	168.5	23.5	85	Dacite gry-grn with 2% f.g. diss. py., Occ. pk zeol-calc. frac. fillings @ 80°, 65°, 32°, 15°. Fault @ att'd? with 0.2' gry. gouge @ 150', core broken to <1" pces.	8104A		145.0	150.0	5.0	85	<0.02	0.5		
168.5	173.0	4.5	100	Andesite amph. porph. welded tuff with dk grn matrix, occ. dacite clasts, 3% diss. Py.										
173.0	176.0	3.0	100	Andesite amph. porph. massive, dk grn with occ. mag. patches, Occ. pk zeol. on frac., some calc. blebs.										
176.0	180.0	4.0	100	Dacite tuff, gry-brn with occ. qtz vnlt., 2% f.g. diss. py. Fault @ 17° with num. slickensides @ 179'. Foot of hole.										
	180.0													
				Note: Used: 1 NW casing shoe, worn out 15'-20'										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-12 LENGTH: 363'
 LOCATION: 53+00n; 7+45e DIP: -80°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5696' AZIMUTH: 130°
 HOLE STARTED: 79-07-23 HOLE COMPLETED: 79-07-24

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No.1 OF: 5
 HOLE NUMBER: C79-12
 PROPERTY: Chappelle (Vein A)
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
0	15.0	15.0	0	Overburden; Casing to 20'										
15.0	19.0	4.0	45	Dacite feldspar porph., with md. gr. qtz eyes,										
19.0	36.0	17.0	90	Dacite f.p. qtz. eye porph., gry-pk brn mottled with cly. alt'n in Fps. Fracs @ 60°, 30°, Num. Py filled vnlt @ 8" intvs. Occ. zeols. in fracs; rusty on fracs.										
36.0	38.0	2.0	97	Dacite Bx, Uct @ 60°, Gry-brn with qtz cement, gry strgrs, 3% diss. py., some cly in Bx.	8105A		36.0	38.0	2.0	97	0.02	0.1		
38.0	50.0	12.0	80	Dacite Fp. qtz-eye porph., 2% diss. py., tough, brittle Rx., strg. fracs. @ 25°, 18°, 80°, 30°.										
50.0	54.5	4.5	70	Dacite Fp porph., gry-brn mottled, similar to 38-50'										
54.5	58.5	4.0	90	Andesite amph. porph., massive, dk grn, strgly magnetic, 1% diss. py, Fault @ 54.5-55' with dk grn chl. gouge @ 45°.										
58.5	77.5	19.0	90	Andesite amph. porph. lapilli tuff, dk grn., brn mottled, 3% diss Py., clasts of andesite and dacite. Fault @ 63-63.5' with chl gouge @ 21° @ 65.5' with 0.2' gry gouge @ 18°										
77.5	81.0	3.5	100	Dacite tuff, brn-pk, with num. zeol. filled fracs., 8% diss. Py, clasts of dacite & andesite, Lct @ 45°, Poss. fault ct.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-12

 SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
81.0	88.0	7.0	97	Andesite amph. porph., dk grn., brn patches of dacite or alt'd andesite, 3% diss. py., occ. calc. strgrs. Fault @ 86' with chl. gouge @ 30°													
88.0	97.0	9.0	95	Dacite tuff, gry-brn with qtz cement, 3-5% diss. Py. occ. Py vnl't up to 1" wide.													
97.0	109.0	12.0	97	Andesite amph. porph. lapilli tuff, dk grn, brn patches, calc strgrs. com., variably magnetic from clast to clast. Fault @ 100-100.9' with chl-zeol gouge @ 18°													
109.0	123.0	14.0	95	Andesite amph. porph., massive with lg. euhedral amph. phenos to 3/8" dia., strgly magnetic, 2-3% diss. py. Fault @ 115.3' with chl. @ 22°, slickensides @ 60°.													
123.0	131.0	8.0	100	Dacite amph. porph. tuff; gry-brn with occ. qtz. vnl't to 1" wide @ 22° & 35°, 3% diss. py. Faults @ 128' with 0.1' pebbly gouge @ 30° @ 130-131' with gry. pebbly gouge @ 26°													
131.0	133.0	2.0	95	Andesite amph. porph. tuff, grn with calc blebs & strgrs 3-5% diss. py., clasts up to 3/4" dia; Qtz v @ 133', 0.1' wide @ 45°, vuggy with cockscomb text, some chl.													
133.0	151.0	18.0	95	Dacite tuff-Bx., gry-grn mottled with ang. & rnd'd clasts to 2", Variably alt'd with grn, yell, white, brn, clays. Fault @ 133' with grn. chl. gouge @ 28°.													
151.0	161.0	10.0	95	Dacite lapilli tuff, gry-grn with brn patch Fault @ 160.5-161' with gry pebbly gouge @ ? alt'd.													
161.0	166.0	5.0	60	Fault zone with 4-5' gry. pebble gouge; @ 35°; in part recemented with qtz where solid (162.5-163.5')													

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-12

SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
166.0	173.0	7.0	90	Andesite-dacite tuff; grn-brn with about 50:50 andesite/dacite material. 3% diss. Py., vrbly alt'd.											
173.0	175.0	2.0	65	Fault @ 15°, core broken to <2" pces.											
175.0	192.0	17.0	90	Dacite tuff-bx, f.g., gry-brn, with 2% diss. py., frags. strong @ 85°, 15°, 45°, occ. qtz strgr. to 1/4" wide . Faults @ 27° @ 190-191' with gry. gouge. @ ? @ 187.6' with gry. gouge.											
192.0	205.0	13.0	100	Dacite, f.g. gry., 1% diss. py., tough, brittle rx., Qtz v @ 198.5-199' @ 30°. Fault @ 63° with 0.5' gry. gouge @ 205'											
205.0	208.0	3.0	100	Qtz v, white-gry, with 20% volc. frags., 4% diss. Py. qtz is bx & recemented.	8106A		205.0	208.0	3.0	100	0.06	0.1			
208.0	212.0	4.0	100	Dacite, v.f.g. gry-brn variably alt'd, some silicf'n & clay alt'n., 3% diss. Py.	8107A		208.0	212.0	4.0	100	<0.02	0.1			
212.0	220.0	8.0	90	Dacite tuff, with qtz grnd.mass, gry-grn mottled, occ. zeol. on frags; 5% diss. py. Faults @ 55° @ 215.5' with 0.2' gry. gouge @ 35° @ 218-218.6' with gry. sandy gouge											
220.0	234.0	14.0	97	Dacite Bx., gry-grn with ang. & rnd'd frags of various volcs., including qtz, Tr. cpy, 3-5% diss. Py; Fault @ 15° @ 232-233' with gry. gouge	8108A		220.0	225.0	5.0	97	0.04	<0.1			
					8109A		225.0	230.0	5.0	97	0.08	0.1			
234.0	238.0	4.0	100	Dacite f.p. qtz eye porph., gry-brn with pk white fp phenos, 1% diss. py., frags. strong @ 15°, 45°, 80°, brittle rx.											
238.0	247.0	9.0	80	Dacite, f.g. gry-brn, core brkn to <2" pces., 2% v.f.g. diss. py, occ. pk zeol. on frags.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-12

SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
247.0	252.0	5.0	100	Dacite Bx, grn-brn, cement'd with pk-brn sili. material										
252.0	254.0	2.0	90	Andesite tuff, dk grn with grn brn, clasts, abnd't zeols. as frac fillings, 10% in Rx, 2% diss. Py.										
254.0	266.0	12.0	75	Andesite, massive to slight porph., with some frags of dacite & f.p. porph., variably magnetic with alt'n, 5% diss. py.										
266.0	277.0	11.0	85	Andesite, massive, dk grn, f.g., 1-2% diss. Py, moderately mag., abn'd Py on frags. Faults @ 30° @ 264' @ 27° @ 267' with slicken sides @ 00°										
277.0	278.0	1.0	100	Dacite f.g., gry-brn, 2-3% diss. py., core broken to <1" pces.										
278.0	280.0	1.0	100	Andesite amph. porph., dk grn, 2-3% diss. py., chl alt'd mafics, occ. pk calc-zeol filled frags.										
280.0	281.0	1.0	95	Fault @ 30° & 45° intersecting with 1' gry gouge										
281.0	288.0	7.0	90	Andesite amph. porph., dk grn, variably mag., variably alt'd, 2% diss. py.										
288.0	290.0	2.0	85	Dacite tuff, with qtz grndmass, gry-pk mottled Fault @ 23° with chl-zeol-py gouge @ 288.4'-288.6'										
290.0	293.0	3.0	0	Lost NQ bit & NQ shell due to squeezing ground, triconed to remove the bit & shell.										
293.0	294.0	1.0	50	Fault with dk gry gouge att'd? core badly broken										
294.0	300.0	6.0	95	Andesite, dk grn, nearly massive, with blebs & strgrs of magnetite, num. calc. blebs & strgrs. occ. pk zeol. filled frags., 2% v.f.g. diss. py.										
300.0	309.0	9.0	95	Andesite amph. porph. tuff, dk grn, clasts variable in comp. andesite-dacite; 3-5% diss. py.										

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-12

SHEET NUMBER 5 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
309.0	317.0	8.0	100	Andesite, massive, dk grn, with patches of f.g. magnetite, 2% diss. py.													
317.0	318.5	1.5	97	Andesite tuff, dk grn with variable alt'n, 1-2% diss. py., occ. zeol. strgrs @ 15°, 30°.													
318.5	324.0	5.5	100	Andesite, massive, dk grn-blk, magnetic, 2-3% diss. Py., occ. c.g. amph. phenos, abnd't py on frac.													
324.0	328.0	4.0	95	Andesite tuff, grn, 2-3% diss. Py, zeols on frac. vrbly alt'd clasts. Fault @ 30° @ 327.6' with slicken sides @ 40°.													
328.0	343.0	1.5	100	Andesite, massive to porphritic, with occ. amph. phenos., dk grn-lt grn., gypsum filled frac; making excellent recovery and solidly held together core. Faults @ 330' @ 42° with slicken sides @ 66°) Intersecting @ 330' @ 15° with slicken sides @ 76°) faults @ 332' @ 75° with 0.3' gry. gouge													
343.0	363.0	20.0	100	Andesite, f.g. massive, dk grn with gypsum filled frac., 1-2% f.g. diss. py. occ. calc. filled frac.													
	363.0			Foot of hole.													
				Note: Fault zone 158-163 used heavy mud Bit & shell broke off @ 290', triconed through, 190-193'													
				Lost: 2 NQ bits			Used: 5 ga.	Polydrill	"525"								
				2 Reaming shells			5 ga.	Polydrill	"325"								
				1 NQ stabilizer			3	Quik-Gel									
				1 NQ core barrel, with adapter & latch coupling													
				2 2 15/16" tricones													
				10 NQ drill rods													
				1 Hoist cable (broke)													

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-13 LENGTH: 300'
 LOCATION: 53+48n; 6+50e DIP: -50°
 LATITUDE: DEPARTURE:
 ELEVATION: 5734.8' AZIMUTH: 130°
 HOLE STARTED: 79-07-25 HOLE COMPLETED: 79-07-26

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 5

HOLE NUMBER: C79-13
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
0	15.0	15.0	0												
15.0	17.0	2.0	60												
17.0	33.0	16.0	95												
33.0	35.0	2.0	90												
35.0	46.0	9.0	95												
46.0	53.5	7.5	85												
53.5	55.5	2.0	95												

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-13

 SHEET NUMBER 2 OF 5
Willed

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag				
							FROM	TO	WIDTH	RCVRY						
55.5	65.5	2.0	80	Andesite amph. porph. tuff, with c.g. euh amphs. in grndmass of andesite-dacite clasts to 1" dia., rusty frags; core brkn to <1" pces.												
65.5	79.0	13.0	95	Andesite amph. porph., massive, dk grn-blk magnetic, 2-3% diss. py, num. calc. in frags. & blebs. Faults @ ? @ 69' with core brkn to <1/4" pces. @ 70° with 0.1' chl gouge @ 75'												
79.0	93.5	14.5	100	Andesite amph. porph., massive as above in 65.5-79', 1-3% diss. Py, rusty on frags. @ 35°, 80°, 45°.												
93.5	96.5	3.0	100	Andesite amph. porph. lapilli tuff, md-dk grn, 5% diss. Py., Fault @ 60° with gry-chl-pebbly gouge from 93.5'-94'.												
96.5	97.5	1.0	100	Dacite Fp. porph., m.g. white-pk Fps in brn grndmass, Uct. @ 60°, Lct @ 60°.												
97.5	102.5	5.0	100	Andesite amph. porph. lapilli tuff, m.g. with calc. strgrs. abnd't chl in grnmass & mafics, 3-5% diss. Py.												
102.5	107.0	4.5	97	Dacite, f.g. gry., 2% v.f.g. diss. py., occ. m.g. Fp. phenos.												
107.0	108.0	1.0	100	Dacite agglomerate-bx., gry-brn with blocks to 2 1/2" long, with dacite, andesite @ qtz fragments.												
108.0	116.5	8.5	100	Dacite Fp porph., gry-brn mottled, with 3% diss. py. frags. @ 24°, 60°, 4°.												
116.5	118.0	1.5	95	Fault @ 70° with 1.5' pebbly gouge												
118.0	127.0	9.0	97	Dacite, gry. f.g., with 3-5% diss. py., cly. alt'd, occ. zeols. on frags. Fault @ 5° with 1.5' gry-cly gouge @ 120'												

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-13

 SHEET NUMBER 3 OF 5
Handwritten: 11/11/62

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
							FROM	TO	WIDTH				
127.0	135.0	8.0	95	Dacite Fp. porph.; gry-brn, 5% diss. py., frags. strg @ 10°, 34°, 80°, chl-py alt'd mafics.									
135.0	158.0	23.0	95	Andesite amph. porph., dk grn, 3-5% diss. py. Py-chl on frags; occ. calc. strgrs. Fault @ ? from 140-140.5 with chl gouge @ 21° with 0.1' chl gouge @ 141.5' Qtz V, 0.2' wide @ 55° 147.5'									
158.0	161.0	3.0	90	Andesite amph. porph., dk grn with occ. 0.2' silic. alt'n @ 1' incls. over 5' (156-161), strong frags. @ 22°, 60°, 95°, Fault @ 80° with zeol-calc-chl filling from 158-161'.									
161.0	168.0	7.0	100	Andesite amph. porph. tuff, dk grn-brn mottled with br. dacite clasts, 2% diss. Py.									
168.0	170.5	2.5	95	Andesite amph. porph. dk grn, 3-5% diss. Py.									
170.5	175.0	4.5	100	Dacite Fp. porph., gry-brn with 2% diss. Py., variably cly. alt'd, occ. calc-zeols. filling frags.									
175.0	179.0	4.0	100	Andesite amph. porph. tuff, dk grn with clast of and. Fp porph. to 2" dia., 2-3% diss. Py., calc-zeol. in frags.									
179.0	194.0	15.0	95	Dacite-andesite Bx., cemented with qtz-zeol.; 30% qtz, 10% zeol, 50% volc. frags. Occ. qtz strgrs @ 40°. Dacite dyke @ 65° from 185-185.8'									
194.0	198.0	2.0	100	Andesite tuff, m.g. grn, clasts of andesite, amph. porph., & brn dacite; 1-2% diss. Py, num. calc-zeol. strgrs.									
198.0	218.5	10.5	95	Andesite agglom., dk grn-brn, clasts of amph. porph. Fp porph. & dacite, Occ. qtz. in grndmass., Faults @ 18° with slickensides @ 80° from 200-200.5', @ 18° with slickensides @ 80° from 203-203.1'									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-13

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
218.5	219.5	1.0	95	Qtz V with chl blebs & 1% f.g. diss. Py., in part. bx'td. & recemented; Lct @ 60° with 0.1' fault gouge.											
219.5	223.0	3.5	95	Dacite agglom., gry-grn mottled; occ. patch of grn cly., clasts of dacite in silic. grndmass.											
223.0	227.0	4.0	100	Dacite Fp. porph., brn-gry mottled, 5% diss. Py., some cly alt'd Fps.											
227.0	231.0	4.0	90	Dacite lapilli-agglom., with silic. grndmass., 5-8% Py. occ. 0.2' qtz. vn. @ 60° @ 1' intvls. Faults @ 45° with 0.1' gry. gouge @ 228' @ 30° with 0.6' gry. gouge @ 229'											
231.0	235.0	4.0	35	Dacite, gry-brn, core brkn to <1" pces ground to rounded slopes;											
235.0	240.0	5.0	40	Dacite, gry-brn, f.g., occ. qtz., core broken to <1" pces											
240.0	244.0	4.0	50	Dacite, f.g., gry-brn, some cly gouge, core too brkn to det. fault att'ds.											
244.0	245.0	1.0	100	Dacite agglom. brn-grn with rounded clasts of dacite @ andesite; 5% diss. Py.											
245.0	247.0	2.0	100	Dacite f.g., brn-grn, with chl-py alt'd mafics; 6% diss Py.											
247.0	260.0	13.0	95	Dacite agglom-bx; brn with ang. & rnded. clasts of dacite with qtz. cement. Qtz. V @ 258-258.5'	8111A		250.0	255.0	5.0	95	0.02	0.1			
					8112A		255.0	260.0	5.0	95	<0.02	0.1			
260.0	261.5	1.5	100	Qtz. V, white-gry; with occ. gry flecks & patches; 2% diss. Py. 2% open spaces, Uct; fault @ 50° with 0.2' gry. chl. gouge	8113A		260.0	261.5	1.5	100	0.06	0.7			
261.5	265.0	3.5	100	Dacite lapilli tuff-agglom., brn-grn clasts of andesitic and Fp porph., 2-5% diss. py., variable from clast to clast.	8114A		261.5	265.0	3.5	100	<0.02	0.3			

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-13

 SHEET NUMBER 5 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag	L-TEX		
							FROM	TO	WIDTH			RCVRY		
265.0	267.5	2.5	95	Qtz. V., whte-gry, with 5% diss. Py., Fault @ ? att'd with cly-qtz. gouge fro, 265.5'-267.5'	8115A		265.0	267.5	2.5	95	0.06	1.0		
267.5	269.0	1.5	98	Qtz. V., whte-gry, 3-5% diss. Py. occ. gry ribbon, 5-8% vugs.	8116A		267.5	269.0	1.5	98	0.14	0.5	0.028	0.64
269.0	274.0	5.0	100	Qtz. V., dk gry. with occ. bx'td zones, recemented, num. gry. ribbons & bands @ 30°, 55°, 5% Py, 5% vugs, Tr. Cpy (patchy) occ. chl. blebs.	8117A		269.0	274.0	5.0	100	4.30	76.0	3.95 3.70	145.5 143.8
274.0	276.5	2.5	100	Qtz. V., drk gry, with ribbons & patches of gry., (Argentite?)	8118A		274.0	276.5	2.5	100	1.40	21.6	1.30	21.56
276.5	279.0	2.5	100	Qtz. V., whte-gry., with occ. gry. fleck, Nr. massive qtz.	8119A		276.5	279.0	2.5	100	0.14	0.2	0.012	0.65
279.0	281.0	2.0	95	Qtz. V., whte-lt gry., occ. gry. fleck, 2% Py., Lct faulted att'd ?, core crushed.	8120A		279.0	281.0	2.0	95	0.08	0.1		
281.0	285.0	4.0	95	Dacite agglom. brn-grn, mottled, clasts of dacite, amph. porph. and massive andesite, 5% diss. Py.	8121A		281.0	285.0	4.0	95	0.10	1.5		
285.0	296.5	11.5	95	Dacite agglom., dk grn-gry-brn, mottled; Fault @ 28° with 0.05' gry pebbly gouge @ 292' @ 55° intersecting 28° fault above										
296.5	298.0	1.5	0	Core missing?										
298.0	300.0	2.0	95	Andesite amph. porph. lapilli tuff, clasts of dk grn massive andesite & brn dacite; 3% diss. Py. Py. chl. on frags; Core broken to <2" pces. Foot of hole.										
				Note: Used - 4 NQ drill rods, worn from previous holes, belled.										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-14 LENGTH: 220'
 LOCATION: 54+00n; 7+00e DIP: -62°
 LATITUDE: 5734.6' DEPARTURE:
 ELEVATION: AZIMUTH: 130°
 HOLE STARTED: 79-07-26 HOLE COMPLETED: 79-07-27

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 5
 HOLE NUMBER: C79-14
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: T. Drown
 LOGGED BY:

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY					
0	10.0	10.0	0	Overburden, NQ casing to 10'											
10.0	15.0	5.0	85	Dacite gry-brn, mottled, rusty frags., Fracs @ 57°/3 (57°, 3 perfect, even intervals) 39°/2 85°/4											
15.0	18.0	3.0	95	Dacite as above, rusty frags. fracs @ 5°/4, 57°/5, 85°/4; in criss cross pattern											
18.0	23.0	5.0	95	Andesite amph. porph. welded tuff; rusty frags. Fracs @ 4°/2, 30°/5, 52°/6, 85°/3.											
23.0	28.0	5.0	100	Andesite amph. porph. tuff, Fracs @ 7/5, 30°/10, 75°/10, 85°/5, in criss cross pattern.											
28.0	31.0	3.0	100	Andesite amph. porph. rusty frags @ 88°/4, 5°/3, 48°/16, 47°/14 core shattered.											
31.0	35.0	4.0	100	Andesite amph. porph., rusty frags @ 5°/2, 33°/3, 67°/5, 70°/5,											
35.0	41.0	6.0	100	Dacite tuff, gry-grn f.g. with occ. Fp. phenos, @ 38', 0.3' pk grn lahar type material with silica flow bands @ 70°; Fracs. @ 25/3 (2 sets), 40°/5, 50°/3.											
41.0	45.0	4.0	100	Andesite amph. porph. tuff, frags @ 23°/6, 27°/2, 87°/10 rusty.											

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-14

 SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
45.0	47.0	2.0	100	Andesite amph. porph., 60% rusty frags @ 5°/2, 38°/6, 72°/4, 85°/4, 85°/5, in criss cross pattern.													
47.0	49.5	2.5	100	Andesite amph. porph., frags. @ 10°/6, 38°/5, 85°/4													
49.5	50.5	1.0	100	Andesite amph. porph., fault zone; frags @ 35°/20, 50°/20, 62°/4 rusty; criss crossing.													
50.5	58.5	8.5	100	Andesite amph. porph. tuff, rusty frags @ 12°/2, 27°/3, 65°/3, 70°/3 (last 2 sets criss crossing).													
58.5	66.0	7.5	100	Andesite amph. porph. tuff; 50% rusty frags. @ 03°/1, 12°/2, 27°/4, 65°/4, 70°/3.													
66.0	71.0	5.0	100	Andesite amph. porph., frags @ 43°/4, 55°/3, 70°/4 all criss crossing & rusty to 68'.													
71.0	74.0	3.0	100	Andesite amph. porph., Fracs @ 3°/2, 8°/2, 70°/8													
74.0	77.0	3.0	100	Andesite amph. porph., Fracs @ 8°/2, 30°/5, 57°/3, 70°/2													
77.0	78.0	1.0	50	Dacite Fp. porph., gry. core brkn to <1" pces (rusty frags)													
78.0	80.0	2.0	100	Dacite Fp. porph., rusty frags to 79'; Fracs @ 25°/2, 40°/6, 60°/4 (last 2 sets crossing).													
80.0	82.0	2.0	40	Dacite, gry f.g., core too brkn to meas. att'ds.													
82.0	86.0	4.0	95	Dacite gry. f.g., frags. @ 25°/4, 45°/15, 60°/12, 75°/3.													
86.0	87.0	1.0	65	Dacite, core too brkn to meas. frac. att'ds.													
87.0	87.5	0.5	95	Fault @ 75° with 0.5' gry. gouge													
87.5	90.0	2.5	100	Dacite Fp. porph. gry-brn., Fracs @ 14°/2, 47°/3, 55°/9, criss-crossing													
90.0	93.0	3.0	95	Dacite Fp. porph., f.g. gry-brn, Fracs @ 3°/3, 60°/12, 68°/10; core brkn to <2" pces.													
93.0	95.0	2.0	100	Dacite Fp. porph., Fracs @ 5°/1, 63°/4, 68°/3													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-14

 SHEET NUMBER 3 OF 5
V. H. H. H.

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRT		NUMBER	% SULFIDES	FOOTAGE						
							FROM	TO	WIDTH				
95.0	97.0	2.0	100	Dacite; Fracs @ 5°/4, 5°/2 (crossing), 40°/10, 70°/7									
97.0	99.0	2.0	100	Dacite; gry-brn, Fracs. @ 15°/2, 45°/3, 55°/4, 60°/5									
99.0	100.0	1.0	100	Dacite; f.g. to massive, gry-grn, Fracs. @ 12°/2, (35°/6, 40°/6, 70°/10, 85°/10. (criss-crossed)									
100.0	102.0	2.0	100	Dacite; fracs. @ 18°/2, 35°/5, 45°/3, 80°/8									
102.0	103.0	1.0	100	Dacite; frg. gry., Fracs @ 40°/40, 28°/30, 58°/20, core brkn to <1/4" pces. (poss. fault).									
103.0	108.0	5.0	100	Dacite; Fracs. @ 10°/2, 25°/6, 40°/6, 72°/6, Fault @ 42° @ 106' with slickensides @ 72°.									
108.0	112.0	4.0	100	Dacite; f.g. gry., Fracs @ 10°/3, 25°/6, 42°/5, 72°/6.									
112.0	116.0	4.0	100	Andesite amph. porph., dk grn-blk., magnetic Fracs @ 5°/3, 18°/4, 52°/5, 60°/3, 80°/3, core brkn to <1/4" angular pces.									
116.0	118.0	2.0	100	Andesite amph. porph., Fracs @ 22°/4, 45°/4, 58°/4									
118.0	124.0	6.0	100	Andesite amph. porph., Fracs @ 5°/2, 22°/8, 45°/10, 60°/10, 75°/5.									
124.0	126.0	2.0	100	Andesite amph. porph., Fracs @ 5°/6, 25°/15, 40°/15									
126.0	133.0	7.0	100	Andesite amph. porph., Fracs @ 15°/2, 37°/5, 50°/3									
133.0	140.0	7.0	100	Andesite amph. porph., num. calc-zeol strgrs: Qtz Vn @ 133.8'-134.3' @ 40°. Fault @ 47° with 0.1' chl. gouge @ 137' Fracs @ 27°/3, 40°/2, 55°/2.									
140.0	145.5	5.0	100	Andesite amph. porph. lapilli tuff, Fracs @ 35°/2, 52°/3									

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-14

SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag						
							FROM	TO	WIDTH	RCVRY								
145.0	149.0	4.0	100	Andesite amph. porph. lapilli tuff, Fracs @ 8°/2, 22°/5, 50°/8, 65°/10. Fault @ 8° with chl gouge @ 148'-149'														
149.0	156.0	37.0	95	Andesite amph. porph. tuff, 5% diss. Py., Fracs @ 20°/5, 28°/3, 50°/6, 60°/6; Fault @ 38° @ 155'.														
156.0	161.0	5.0	100	Andesite amph. porph. tuff same as 149-156' above.														
161.0	163.0	2.0	100	Andesite amph. porph. lapilli tuff, Fracs @ 10°/2, 34°/6, 50°/5, 67°/4.														
163.0	170.0	7.0	100	Same as unit in 161-163' above.														
170.0	174.0	4.0	95	Dacite tuff, gry-grn; Fracs @ 30°/15, 80°/15, 75°/10. Fault @ 10° with slickensides @ 70°														
174.0	179.0	5.0	100	Dacite Fp. porph; Fracs @ 22°/3, 50°/10, 55°/10, 60°/10. (Criss Crossing).														
179.0	189.0	10.0	95	Dacite tuff, with occ. Fp. phenos fracs @ 20°/6, 40°/15, 60°/10, 70°/10, Core brkn to <1½" pces occ. <1" pces.														
189.0	196.0	7.0	100	Dacite tuff, welded lapilli, dk grn-brn, 10% diss. Py., Fracs @ 5°/5, 40°/12, 60°/10, 80°/10.														
196.0	205.0	9.0	100	Andesite amph. porph. tuff., 8% diss. Py; Fracs @ 48°/3, 50°/3, 60°/15. Qtz Vn @ 30° from 202-202.5'; fracs @ 5°/3, 30°/2.														
205.0	207.5	2.5	100	Andesite amph. porph. tuff, 10-15% diss. Py. Frac @ 35°/4, 40°/5, 65°/4, (criss crossed)														
207.5	209.0	1.5	100	Qtz Vn. with 20% brn-grn dacite; Uct @ 35°, Bx'td & recemented with gry qtz.	8243A		207.5	209.0	1.5	100	0.02	<0.1						

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-14

SHEET NUMBER 5 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS							
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag				
							FROM	TO	WIDTH	RCVRY						
209.0	215.0	6.0	100	Andesite tuff, dk grn; occ. qtz vnls. @ 1' invls., Fracs @ 25°/2, 65°/4, 78°/3, 15°/3, 65°/4 (2nd set) Fault @ 38° with slickensides @ 82° @ 210'												
215.0	220.0	5.0	100	Qtz Vn., with gry flecks & patches, Tr. Cpy, 2% diss. Py., Fracs @ 5°/6, 25°/10, 50°/7, 70°/5, Gry. bands @ 40°.	8244A		215.0	220.0	5.0	100	0.01	0.1				
	220.0			Foot of hole in raise, stopped hole.												
				Note: Used - 1 NQ rod (threads belled)												

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-15 LENGTH: 199'
 LOCATION: 54+50n; 8+00e DIP: -45°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5662.6' AZIMUTH: 130°
 HOLE STARTED: 79-07-27 HOLE COMPLETED: 79-07-27

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3

HOLE NUMBER: C79-15
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS							
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE									
							FROM	TO	WIDTH	RCVRY						
0	30.0	30.0	0	Overburden, NQ casing to 30'												
30.0	32.0	2.0	70	Dacite Fp. porph., f.g., brn-gry mottled, 1% diss. Py., rusty on frags.												
32.0	38.0	6.0	100	Dacite Fp. porph., 50% rusty frags.												
38.0	40.5	2.5	70	Dacite tuff, dk grn, with brn dacite clasts, 1% diss. Py.												
40.5	43.0	2.5	60	Fault @ 77°; brn-gry cly gouge												
43.0	52.0	9.0	95	Andesite amph. porph. tuff, dk grn, vrbly att'd mafics, rusty frags; @ 80°, 52°, 32°, 80°; 3-5% diss. Py.												
52.0	55.0	3.0	95	Andesite amph. porph. tuff, lt-med grn., 2% Py., rusty frags. some open due to leaching of Py.												
55.0	57.0	2.0	90	Dacite f.g. gry., with 1-2% diss. Py., rusty frags; Faults @ att'd ?, @ 56' @ 70° with 0.1' gry gouge @ 57'												
57.0	67.0	10.0	95	Andesite amph. porph. tuff, clasts to 1" dia.; 1-2% Py, rusty frags. Fault @ 65' att'd? Core too brkn to measure.												
67.0	78.0	11.0	95	Dacite, f.g. gry-brn, 50% rusty frags., Fault @ 68' att'd? Fault @ 30° with 0.5' gry gouge @ 69.5'												

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-15

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
78.0	83.0	5.0	100	Dacite tuff-agglom., gry-grn mottled clasts of silic. volcs., 1-2% Py., variable cly alt'n.											
83.0	90.0	7.0	100	Dacite, f.g. to porph. in places, gry. Qtz. Vn. @ 40° Uct @ 86'-87', Lct @ 60° in fault.	8122A		85.0	90.0	5.0	100	0.06	<0.1			
90.0	93.6	3.6	100	Qtz. Vn., with 25% silic.f'd volcs. (dacite), occ. gry strgrs. Tr. Cpy, some chl & cly; 1-2% diss. Py.	8123A		90.0	93.6	3.6	100	0.06	<0.1			
93.6	98.4	4.8	100	Dacite Bx., dk gry-grn with qtz groundmass, occ. calc-zeols in frac. 2% Py. diss & on frac.	8124A		93.6	98.4	4.8	100	<0.02	0.1			
98.4	102.0	3.6	100	Qtz. Vn., gry with 20% volcs. some chl-cly altn in volcs. Lct @ 60°, partly Bxt'd.	8125A		98.4	102.0	3.6	100	<0.02	<0.1			
102.0	106.0	4.0	100	Dacite agglom-Bx., dk gry-grn with variable comp. clasts, angular-rounded.	8126A		102.0	106.0	4.0	100	<0.02	0.1			
106.0	109.0	3.0	100	Qtz. Vn; gry-white with 35% volc. frags. variably alt'd 1-2% Py, Frac. @ 30°, 50°.	8127A		106.0	109.0	3.0	100	2.80	2.4			
109.0	114.0	5.0	100	Qtz. Vn; gry with flecks & ribbons of argentite? 10% vugs, 3% Py, Tr.-1% Cpy.	8128A		109.0	114.0	5.0	100	1.50	1.7			
114.0	118.0	4.0	85	Qtz. Vn., 5-8% vugs, gry flecks & strgrs com. Fault @ 75° with gry pebbly gouge from 117-117.3'	8129A		114.0	118.0	4.0	85	0.90	0.7			
118.0	122.0	4.0	75	Qtz. Vn., gry with alt'd volcs. 2% Py. Fault @ 35° with gry. pebbly gouge from 121.3'-121.5'	8130A		122.0	126.5	4.5	100	<0.02	0.2			
122.0	126.5	4.5	100	Dacite Fp. porph. gry-brn mottling, some cly alt'n of Fps.	8131A		122.0	126.5	4.5	100	0.02	0.2			
126.5	136.0	9.5	95	Dacite, gry-grn with alt'd mafics, 2% diss. Py. Frac. @ 40°, 30°, 15°, 70°											
136.0	138.0	2.0	85	Dacite, gry. f.g., ground to <1" rounded pces. Fault?											
138.0	140.0	2.0	90	Fault 40° with 2' gry. muddy gouge											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-15

SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
140.0	141.0	1.0	95	Dacite Fp. porph., brkn to <2" pces. Fracs @ 10°, 35°, 80°										
141.0	143.0	3.0	95	Fault @ 35° with gry-grn gouge										
143.0	157.0	14.0	95	Dacite, f.g., fry-grn, with cly alt'n, fracs @ 10°, 35°, 40°, 50°, 80°; core brkn to 2" pces. Fault @ 60° @ 155'										
157.0	161.0	4.0	100	Andesite, dk grn, massive, mod. magnetic, occ. zeol. strgrs, 1-2% diss. Py.										
161.0	165.0	4.0	100	Andesitic tuff, with varied clasts of andesitic volcs. calc. zeol. strgrs. com., 1% diss. Py.										
165.0	167.0	2.0	100	Andesite, dk grn., sheared & filled with chl-zeol-hematite @ 10°										
167.0	170.0	3.0	100	Andesite lapilli tuff, occ. zeols., 1% diss. Py.										
170.0	176.0	6.0	100	Andesite, dk grn, massive, strongly magnetic, Tr. py., 6" pyroclastic zone @ 173' @ 35°.										
176.0	182.0	6.0	100	Andesite volc. Bx. with ang.-rounded clasts of dacite & andesite. 8% diss. Py. occ. calc. blebs.										
182.0	186.0	4.0	100	Andesite, dk grn., massive, mod. magnetic, Tr. Py., occ. calc. strgrs. Fault @ 32° with some chl. gouge @ 183.5'										
186.0	199.0	13.0	100	Andesite lapilli tuff; lt grn with num. calc. strgrs., 5-8% Py.										
	199.0			Foot of hole.										
				Note: Used - 2 gal. polydrill "325" 3 Quik-gel										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-16 LENGTH: 239'
 LOCATION: 54+50n; 8+00e DIP: -80°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5662.6' AZIMUTH: 130°
 HOLE STARTED: 79-07-27 HOLE COMPLETED: 79-07-28

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4

HOLE NUMBER: C79-16
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE					
				FROM	TO	WIDTH	RCVRY					
0	15.0	15.0	0	Overburden; NQ casing to 15 feet.								
15.0	25.0	10.0	90	Andesite amph. porph. tuff, dk grn, rusty frags., brken to <2" pces. Fault @ 30° with gry-grn gouge from 18-19'.								
25.0	29.0	4.0	100	Dacite tuff, gry-grn, with occ. amph. phenos, 3-5% Py.								
29.0	43.5	13.5	95	Dacite Fp. porph. gry-pk mottled, 50% rusty frags. Fault @ ? att'd, with pebbly gouge @ 42.5'-43.5'								
43.5	54.0	10.5	90	Dacite, gry., f.g., occ. Fp. phenos., 3% diss. Py., some cly alt'n. Fracs @ 35°, 45°, 50°, 15°.								
54.0	56.5	2.5	60	Fault @ 60° with 2.5' gry-grn gouge								
56.5	61.4	4.9	85	Dacite, f.g. gry., cly alt'd, 3% diss. Py. Fault @ 27° with 0.2' gry. gouge from 58-59'								
61.4	65.0	3.6	100	Andesite amph. porph. lapilli tuff, dk grn with clasts of brn dacite, andesite & qtz, 3% diss. Py., Fracs. @ 30°, 70°.								
65.0	86.0	21.0	95	Andesite-dacite tuff, dk grn-brn 50/50 And./Dacite, 3% diss. Py., calc-zeol in grndmass. Fracs. @ 27°, 50°, 60°								
86.0	96.0	10.0	95	Andesite amph. porph. agglom., dk grn-blk. num. lge blocks 3" dia. Vbly magnetic 3-8% diss. Py. Fault @ 13° with slickensides @ 82° with 1" chl gouge @ 92'								

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-16

SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
96.0	98.5	2.5	100	Andesite amph. porph., dk grn, massive; magnetic.											
98.5	109.4	10.9	95	Andesite amph. porph. tuff, dk grn with brn patches of dacite 5% diss. py. occ. calc-zeol. strgrs.											
109.4	110.0	0.6	100	Qtz. Vn., gry-pk with zeols. 10% vugs, Uct @ 32° Lct @ 33°	8245A		109.4	110.0	0.6	100	<0.01	<0.1			
110.0	119.0	9.0	95	Andesite amph. porph. tuff, dk-med grn with clasts of andesite & dacite, 5% diss. Py. mostly in mafics. Fault @ 12° with chl-zeol. gouge @ 117'											
119.0	135.0	16.0	97	Andesite amph. porph. lapilli tuff-agglom. dk grn with occ. brn patches 5-8% diss. Py., variable with clasts. Faults @ 15° @ 128-128.5', @ 15° @ 130.5-131', @ 18° @ 133.5-134'.											
135.0	144.5	9.5	55	Andesite tuff, med grn, vry brkn core Fault @ 5° & 40° with chl gouge @ 140'	8132A		140.0	144.5	4.5	55	0.02	<0.1			
144.5	150.0	5.5	97	Qtz Vn., white-gry, Bx'td text. visible, 5% vugs, Py on fracs & lz diss. Py., occ. gry. fleck & patch.	8133A		144.5	150.0	5.5	97	0.05	0.1			
150.0	152.5	2.5	97	Qtz. Vn., white-gry, 5% vugs, occ. gry fleck & patch.	8134A		150.0	152.5	2.5	97	0.01	0.1			
152.5	156.5	4.0	97	Dacite, f.g., gry, Bxt'd & cemented with qtz (30% qtz) 6-10% diss. Py., some cly alt'n.	8135A		152.5	156.5	4.0	97	0.01	<0.1			
156.5	165.0	8.5	97	Dacite Bx. gry-grn with cly alt'n, 30-40% qtz cement, 3-8% Py, occ. 1" qtz strgrs @ 28° & 80°. Fault @ 25° with 0.2' gry. gouge @ 164.3'	8136A		156.5	165.0	8.5	97	0.01	0.1			
165.0	168.0	3.0	95	Qtz Vn., gry-white with occ. gry. fleck, 3% vugs Uct @ 25°, Lct @ 65° with dacite.	8137A		165.0	168.0	3.0	95	0.02	<0.1			
168.0	172.0	4.0	90	Dacite, f.g., gry. faulted & crumbly core Faults @ 28° with 0.1' gry. gouge @ 168' @ 60° with 0.5' gry. gouge @ 171.5'											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-16

SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag	Fe	Cu	Zn
							FROM	TO	WIDTH	RCVRY					
172.0	186.0	14.0	95	Dacite lapilli tuff, gry-grn with clasts of various volcs. occ qtz vnlt @ 4' invls about 0.1' wide.	8139A		184.0	186.0	2.0	95	<0.01	<0.1			
				Fault @ 20° & 25° intersecting with slickensides @ 38° & 12° @ 176'.											
186.0	190.0	4.0	100	Dacite, f.g., gry-brn with 60% qtz veining. 3% v.f.g. diss. Py. abnd't cly. alt'n.	8138A		186.0	190.0	4.0	100	<0.01	<0.1			
190.0	194.0	4.0	95	Dacite, f.g., gry, strongly silicf'd, 50-60% Qtz. Fault @ 50° with gry. gouge @ 192.5-193.5'	8140A		190.0	194.0	4.0	95	<0.01	<0.1			
194.0	199.0	5.0	100	Qtz Vn. with occ. blk streaks, some yell. clay in vugs, 10% vugs, 2% diss. Py.	8141A		194.0	199.0	5.0	100	<0.01	<0.1*	0.01	0.1	0.02
199.0	202.0	3.0	90	Dacite, gry., f.g., strongly silicf'd, 5% diss. Py., rusty frags Fault @ 40° with 0.05' cly gouge @ 201.9'	8142A		199.0	202.0	3.0	90	0.02	<0.1*	*Returns CRS requested		
202.0	204.0	2.0	85	Qtz. Vn., white-gry, rusty frags, occ. gry streaks,	8143A		202.0	204.0	2.0	85	0.01	<0.1*	0.01	0.1	0.02
204.0	209.0	5.0	96	Dacite tuff, gry-brn with qtz cement, 5% diss. Py. Faults @ 50° with 0.2' cly gouge @ 204.5' @ 50° with 0.3' cly gouge @ 208'	8144A		204.0	209.0	5.0	96	0.01	<0.1*	0.01	0.1	0.02
209.0	215.5	6.5	90	Dacite Bx, f.g., gry with 50-60% qtz cement, 5% diss. Py.	8145A		209.0	215.5	6.5	90	0.01	0.1			
215.5	218.0	2.5	95	Dacite Bx-agglom., dk grn with 5-8% diss. Py. cemented with 25% qtz.	8146A		215.5	218.0	2.5	95	<0.01	<0.1			
218.0	225.0	7.0	85	Dacite-andesite agglom. dk grn-brn with clasts to 2" dia. angular & rounded. occ. qtz. vnlt @ 10" itvls. Core brkn to <3" pces often to <1" pces.											
225.0	239.0	14.0	90	Andesite amph. porph., dk grn, nearly massive, mod. magnetic, 3% diss. py., num. calc. blebs & strgrs. Faults @ 35° with slicksides @ 40° @ 232.5'											

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-16

 SHEET NUMBER 4 OF 4 *F.H. Hall*

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
				Fault @ 45° with slickensides @ 50° in chl. gouge @ 234-238'										
				Core brkn to very crumbly clay-chl mixture										
	239.0			Foot of hole.										
				Note: Fault zone 210-223, sand & cave										
				Used: 10 Quik-gel										
				12 Cellex										
				2 gal. Polydrill "325"										
				1 NQ bit, 198-211'										
				1 NQ bit, 211-215'										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Ltd.
 HOLE NUMBER: C79-17 LENGTH: 150'
 LOCATION: 55+00n; 8+50e DIP: -50°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5697.0' AZIMUTH: 130°
 HOLE STARTED: 79-07-28 HOLE COMPLETED: 79-07-28

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-17
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		Au	Ag		
						FROM	TO	WIDTH				
0	15.0	15.0	0	Overburden, NQ casing to 15'								
15.0	26.0	11.0	85	Dacite Fp. porph., gry-brn with white-pk Fp. phenos Variable cly alt'n. 2% diss. py. rusty frags. Fracs @ 30°, 45°, 50°, 70°								
26.0	49.0	23.0	90	Andesite amph. porph. dk grn, some fragmental zones, 1% diss. py rusty frags. Faults @ 52° with 1' cly-zeol-rusty gouge @ 26--27' @ 43° with slickensides @ 82° @ 40'								
49.0	72.0	23.0	95	Andesite amph. porph. tuff, med. grn-gry; 3-5% diss. Py. Occ. ½" Qtz. strgrs @ 45° @ 1' intvls, 50% rusty frags. Faults @ 30° & 60° (intersecting) with 0.5' crushed rock @ 52' @ 30° @ 68-71' crushed rock;								
72.0	75.0	3.0	90	Dacite, f.g., gry., crushed to <1" pces. 50% rusty frags.								
75.0	80.1	5.1	95	Andesite amph. porph. tuff, dk grn, 3-5% diss. Py., brkn to 2" pces. Faults @ 18° with 0.2' gry. gouge @ 76' @ 30° with 0.2' gry. gouge @ 78' @ 65° with 0.1' gry. cly gouge @ 80'	8147A		75.0	80.1	5.1	95	0.01	0.1
80.1	82.0	1.9	100	Qtz. Vn., gry-white with rusty frags & vugs. occ. gry. patches	8148A		80.1	82.0	1.9	100	0.09	3.5

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-17

 SHEET NUMBER 2 OF 3 *4/11/64*

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag					
							FROM	TO	WIDTH	RCVRY							
82.0	85.0	3.0	100		8149A		82.0	85.0	3.0	100	0.02	0.5					
85.0	86.5	1.5	100		8200A		85.0	86.5	1.5	100	0.01	1.2					
86.5	91.0	4.5	100		8201A		86.5	91.0	4.5	100	<0.01	0.4					
91.0	95.0	4.0	100		8202A		91.0	95.0	4.0	100	0.01	0.1					
95.0	100.0	5.0	100														
100.0	105.0	5.0	100														
105.0	110.0	5.0	80														
110.0	139.0	29.0	80														

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-17

SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
139.0	141.0	2.0	80	Andesite tuff, dk grn., crushed to <1" pces. Fault @ 15° with grn chl. gouge @ 139.5-141'														
141.0	150.0	9.0	95	Andesite amph. porph. lapilli tuff, dk grn brn, mottled with dacite clasts, 1% diss. Py. Faults @ 50° @ 143' @ 30° with chl gouge @ 145-147' @ 35° with 0.2' chl gouge @ 149.5'														
150.0				Foot of hole.														
				Note:														
				Used - 3 gal. Polydrill "325"														
				8 Quik-gel														
				6 Cellex														

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-18 LENGTH: 220'
 LOCATION: 55+00n; 8+50e DIP: -75°
 LATITUDE: 5697.0' DEPARTURE: 130°
 ELEVATION: 79-07-28 HOLE COMPLETED: 79-07-29

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4

HOLE NUMBER: C79-18
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY				
0	10.0	10.0	0	Overburden; NQ casing to 10'										
10.0	13.0	3.0	100	Dacite, f.g., gry, rusty frags @ 30°, 35°, 60°, 80° in criss crossing pattern. <1% Py. mostly leached.										
13.0	24.0	11.0	90	Dacite, f.g., gry with occ. white f.p. phenos. 1-2% diss. Py. 50% rusty frags.										
24.0	45.0	21.0	95	Andesite amphibole porphyry lapilli tuff, 3-5% diss. Py. clasts of brn. dacite & grn andesite. Fault @ 30° with 0.5' grn gouge @ 26' @ 20° with 0.1' gry-grn gouge @ 37' @ 35° with 0.5' gry-grn gouge @ 39'										
45.0	49.0	4.0	100	Andesite amph. porph., dk grn, 5% Py, lgly in mafics, 60% rusty frags: @ 20°, 45°, 80°										
49.0	67.0	18.0	95	Andesite amph. porph., tuff, dk grn, 5-8% Py., chl-py on frags. Faults @ 60° @ 54'										
67.0	70.0	3.0	100	Dacite Fp. porph., gry, white mottled by Fps. 5% Py. Fracs. @ 20°, 30°, 70°										
70.0	88.0	18.0	100	Dacite, f.g., gry, 5-8% diss. Py., occ. porphyritic zones 0.5' wide. Faults @ 40° with slickensides @ 30° @ 75.5'										

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-18

SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
				Faults @ 50° with 0.05' blk gouge @ 70'	8203A		88.0	93.0	5.0	95	0.03	0.1		
88.0	93.0	5.0	95	Dacite, f.g., gry. cly alt'd. crumbly core;										
				Fault @ 65° @ 88-91' & @ 15° @ 88-91' with gry clay gouge										
93.0	96.0	3.0	100	Qtz. Vn., gry with bx. text., recemented with qtz, 2% Py. occ. gry. patches, Lct. @ 60°; Uct @ 45° on fault.	8204A		93.0	96.0	3.0	100	0.02	<0.1		
96.0	99.0	3.0	100	Dacite, m.g., gry. In part porph. wkly silic. Bxt'd & cemented with qtz. (40%) 8-10% diss. Py.	8205A		96.0	99.0	3.0	100	0.02	<0.01		
99.0	102.0	3.0	100	Qtz. Vn., gry. with occ. Bx. frag. of dacite, 3-5% Py. some gry strgrs & flecks.	8206A		99.0	102.0	3.0	100	0.01	<0.1		
102.0	105.0	3.0	95	Fault with 3' gouge @ 35°	8207A		102.0	105.0	3.0	95	0.02	0.1		
105.0	108.0	3.0	95	Dacite, f.g., gry with 5% diss. Py. abundant cly alt'n. some Bx. text. with qtz. cement.	8208A		105.0	108.0	3.0	95	0.01	<0.1		
				Fault @ 25° with cly. gouge @ 107-107.5'										
108.0	110.0	2.0	95	Qtz. crushed to <¼" pces. 20% cly; poss. qtz. vn.	8209A		108.0	110.0	2.0	95	0.02	0.1		
110.0	117.5	7.5	100	Dacite, f.g., gry., crushed to <1" pces. Fault @ 30° @ 110-117.5'										
117.5	121.6	4.1	100	Fault @ 27° & 50° with cly gouge; 75% cly, 25% shattered rock.										
121.6	126.5	4.9	100	Dacite Fp. porph. with some silic. alt'n. Faults @ 50° @ 122' @ 27° @ 126-126.5' with cly. gouge.										
126.5	135.0	8.5	97	Dacite Fp. porph. as above 121.6-126.5', 5% diss. Py. Frac. @ 20°, 30°, 50°, 80°, making wedge shaped core.										
135.0	139.0	4.0	100	Dacite Bx., gry., recemented with qtz. (70%) some qtz is also bxt'd & recemented. 3-5% diss. Py.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-18

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag				
							FROM	TO	WIDTH	RCVRY						
139.0	151.5	11.5	95	Dacite, f.g. gry, with abundant cly. alt'n, 3-5% diss. Py. occ frags of brn. f.g. dacite. Faults @ 37° with 0.05' gry-cly gouge @ 143.5' slickensides @ 30°												
151.5	153.0	1.5	95	Fault @ 35° with 1.5' grn-chl-cly gouge of andesite, 75% gouge 25% shattered rock.												
153.0	171.0	18.0	90	Andesite, dk grn., massive, mod. magnetic, num. calc. stringers, 10% diss. Py. chl-py on most frags. Fault @ 15° @ 157'; some chl gouge @ 70° @ 158-158.5' with chl. gouge												
171.0	174.0	3.0	95	Andesite amph. porph. agglom. dk grn with variable comp. clasts of dacite-andesite. num. calc. strgrs. Fracs. @ 15°, 45°, 60°, 85° Fault @ 20° with slickensides @ 85° with chl. gouge @ 171'												
174.0	188.0	14.0	100	Andesite, dk. grn., massive, occ. amph. phenos. 3-5% Py. Mod. magnetic, num. calc. strgrs. Faults @ 32° with chl-calc-py-gouge @ 177.5-179' @ 42° with chl-calc-gouge @ 182.5'												
188.0	191.0	3.0	95	Andesite amph. porph. tuff, dk grn with 5-8% diss. Py. pk zeols. in frags. & calc. strgrs, core fract'd to <1" pces.												
191.0	194.0	3.0	97	Andesite, dk-grn, massive, zeols & calc common, 3-5% Py.												
194.0	197.0	3.0	95	Andesite amph. porph. tuff-agglom., dk grn-gry-brn., 3% diss. Py., brkn to <2" pces.												
197.0	205.3	8.3	95	Dacite, f.g., gry, with cly alt'n, 2% diss. Py. Fault @ 50° with 0.2' gry. gouge @ 197.5'												

Revised

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-18

SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE					
							FROM	TO				
				@ 80° with 0.05' gry. gouge @ 200'								
				Brittle, tough rock, brkn to <2" ang. pces.								
205.3	215.5	10.2	90	Andesite, dk grn., massive, 3% diss. Py.								
				Faults @ 55° & 15° intersecting with gouge @ 206'-208.5'								
				@ 30° with chl. gouge & crushed rock @ 212-213'								
215.5	217.0	1.5	50	Dacite, v.f.g., gry-brn, 3-5% diss. Py. brkn to <2" pces.								
217.0	218.0	1.0	50	Andesite, dk grn, massive, crushed to mixt. of gouge & andesite								
218.0	220.0	2.0	95	Dacite, f.g., gry., crushed to <1½" pces. Abn't cly.								
	220.0			Foot of hole.								
				Note:								
				Used - 1 NW casing shoe, worn out reaming 8-10'								
				9 Quik-gel								
				7 Cellex								
				3 gal. Polydrill "325"								

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Ltd.
 HOLE NUMBER: C79-19 LENGTH: 201'
 LOCATION: 55+00n; 6+91e DIP: -80°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5737.6' AZIMUTH: 130°
 HOLE STARTED: 79-07-29 HOLE COMPLETED: 79-07-29

ACID 8/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-19
 PROPERTY: Chappelle (Vein A)
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		Au	Ag		
						FROM	TO	WIDTH	RCVRY			
0	20.0	20.0	0	Overburden; NQ casing to 20'								
20.0	21.0	1.0	50	Andesite, amph. porph., ground <1" pces.								
21.0	34.5	12.5	100	Andesite amph. porph., massive, dk grn, 1% diss. py. num. calc. strgrs., rusty frags., qtz vnt @ 30° @ 50° 1" wide. Fault @ 40° with 0.2' grn-rusty gouge @ 34'								
34.5	40.0	5.5	95	Dacite, f.g., gry-brn with f.g. amphiboles, 1% diss. Py. Fault @ 35° with 0.05' gry-cly gouge @ 37.5'								
40.0	49.0	9.0	97	Dacite, f.g. gry., occ. c.g. Fp., phenos. 1% diss. Py. Fault @ 30° with 1.4' gry. gouge @ 42'								
49.0	50.0	1.0	100	Dacite qtz. eye, Fp. porph., pk m.g. Fp phenos, Tr. py, Uct @ 90°, Lct @ 90°, Lct @ 47°, poss. dyke.								
50.0	51.0	1.0	95	Dacite, f.g., gry with 1% diss. Py., occ. pk Fp. phenos								
51.0	54.0	3.0	95	Dacite Bx., gry-grn with frags of massive dacite in silic. groundmass, Uct. @ 40°, Lct @ ?								
54.0	55.0	1.0	95	Dacite Fp. porph., gr with white Fp. phenos, 1% diss. Py. Frags. @ 60°, 80°.	8210A	54.0	55.0	1.0	95	<0.01	<0.1	
55.0	57.5	2.5	100	Dacite Bx, gry-grn with patches of bright grn clay cemented with qtz-clay, 8-10% Py. diss. & strgrs.	8211A	55.0	57.5	2.5	100	0.02	<0.1	

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-19

 SHEET NUMBER 2 OF 4
Handwritten: Hand

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
57.5	68.0	10.5	90	Dacite Fp. porph., gry-pk mottled, num. frags., core brkn to 2" pces: Fracs. @ 15°, 30°, 45°, 60°, Faults @ 10° & 20° intersecting, with gry gouge 60-61' @ 15° with gry. gouge @ 65-65.5'										
68.0	72.3	4.3	90	Dacite Bx., gry-grn; sheared by fault Fault @ 30° with crushed rock & cly 70-72'										
72.3	76.0	3.7	60	Dacite Fp. porph., m.g., gry with pk-white Fp. phenos 1% diss. Py. Variably clay alt'd.										
76.0	90.0	14.0	70	Dacite Fp. porph. Fracs @ 5°, 30°, 45°, 60° Fault @ ? att'd with gry gouge 84-85' @ 5° with gouge @ 87-90'										
90.0	108.0	18.0	97	Andesite amph. porph. lapilli tuff, dk grn, brn-mottled by dacite clasts. 3% diss. Py. chl-py on frags. Magnetic occ. zeols. on frags. Faults @ 15° @ 94' chl on fault sfce. @ 75° @ 95' chl on fault sfce. @ 35° @ 105' chl-zeol. on sfce.										
108.0	124.0	16.0	100	Andesite amph. porph., dk grn., pk mottling, magnetic, occ. dacite fragments. 2% v.f.g. diss. py; occ. zeol. filled frags. @ 15°, 30°. Qtz. vn @ 15° @ 121-121.6' @ 18°, @ 123.9'-124'										
124.0	127.0	3.0	100	Andesite amph. porh. tuff, dk grn, with brn mottling of dacite clasts, 5-8% diss. Py.										
127.0	142.0	15.0	95	Andesite amph. porph. dk grn, 3% diss. Py, num. calc-zeol. filled frags. & strgrs.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-19

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
127.0	142.0	(cont.)		Faults @ 30° @ 127', some chl. gouge											
				@ 30° @ 128.6' with slickensides @ 90°											
				@ 30° @ 135.5' with slickensides @ 75°											
142.0	156.5	14.5	90	Andesite lapilli tuff, grn-brn with clasts of dk-lt grn. andesite											
				& brn. dacite, 2% diss. Py., occ. 1/4" qtz. vn. @ 35°, @ 1.5'	8212A		151.0	156.5	5.5	90	0.01	0.3			
				intvls.											
				Fault @ 35° @ 154-156.5'; core brkn to <1" pces.											
				slickensides @ 70°											
156.5	157.0	0.7	100	Qtz. Vn., gry with ribbons & patches of grey; Tr. Py. Bxt'd	8213A		156.5	157.2	0.7	100	0.06	0.1	0.04	0.14	
				texture.											
157.2	163.0	5.8	100	Dacite-andesite bx., 5-8% diss. Py., 70% qtz. with bright grn.	8214A		157.2	163.0	5.8	100	0.02	0.1			
				clay, occ. grey ribbons.											
163.0	168.0	5.0	100	Andesite amph. porph., tuff, strong silic., alt'n, gry-olive grn,	8215A		163.0	168.0	5.0	100	0.02	0.1			
				8% Py, 50% qtz.											
				Faults @ 20° with slickensides @ 60° @ 163.5'											
				@ 20° with slickensides @ 60° @ 165.2'											
168.0	173.0	5.0	100	Andesite amph. porph. tuff, silic. alt'n., occ. qtz. vn. @ 30°;	8216A		168.0	173.0	5.0	100	0.01	0.2			
				occ. qtz. vn. @ 30°;											
				Fault @ 32° with 0.3' cly-qtz gouge @ 171'											
				@ 15° with 0.2' cly. gouge @ 171'											
173.0	175.5	2.5	100	Dacite, gry., massive-porphyritic, 1-3% diss. Py.											
				Fault @ 60° with 0.2' cly gouge @ 174.5'											
175.5	185.5	10.0	100	Dacite Fp. porph., gry., with c.g. white Fp. phenos, wkly cly.											
				alt'd, 1% diss. Py.											
				Fault @ 30° with cly gouge @ 177'											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-19

SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS										
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE												
							FROM	TO	WIDTH	RCVRY									
185.5	189.0	3.5	95	Fault @ 30° & 60° with cly gouge @ 179.2'															
185.5	189.0	3.5	95	Fault with gry-grn gouge @ 18° & 60° (intersecting)															
189.0	193.0	4.0	90	Andesite Bx., dk olive grn, with cly alt'n., crushed & crumbly core; num. calc. blebs.															
				Fault @ 30°; 190-193' with some cly. gouge throughout															
193.0	201.0	7.0	70	Dacite Bx., gry-brn with abnd't cly. gouge															
				Fault @ 18° & 30° intersecting															
	201.0			Foot of hole.															
				Note:															
				Used - 5 Quik-gel															
				8 Cellex															
				1 NQ reaming shell, worn out.															

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-20 LENGTH: 86'
 LOCATION: 55+50n; 8+50e DIP: -45°
 LATITUDE: DEPARTURE:
 ELEVATION: 5686.0' AZIMUTH: 130°
 HOLE STARTED: 79-07-29 HOLE COMPLETED: 79-07-30

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 2
 HOLE NUMBER: C79-20
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
0	20.0	20.0	0	Overburden; casing to 20'										
20.0	21.0	1.0	5	Andesite amph. porph. tuff, rusty frags.										
21.0	30.0	9.0	40	Dacite, gry., rusty, core brkn to 3" pces.										
30.0	40.0	10.0	<0.5	Clay, brn-yell., prob. fault, att'd?										
40.0	50.0	10.0	35	Dacite, gry-brn., with yell-brn clay; fault; att'd?										
50.0	55.0	5.0	80	Dacite, gry; yell-brn. clay, rock shattered to <2" pces.										
55.0	61.6	6.6	70	Dacite, f.g., gr., Py. leached, rusty frags., yell. patches of clay; fault?										
61.6	75.0	13.4	60	Dacite, f.g., gry., crumbly core with yell. clay blobs										
75.0	80.0	5.0	10	Dacite, f.g., gry., brkn to rounded 1" pces with clay, yell. & rusty.	8217A		75.0	80.0	5.0	10	0.01	2.3		
80.0	83.0	3.0	10	Qtz., white with rusty frags., ground to rounded pebbles <1" dia. Fault gouge from 82-83'; att'd?	8218A		80.0	83.0	3.0	10	0.02	1.3		
83.0	85.0	2.0	85	Dacite Fp. porph. gry with abnd't cly. & gouge	8219A		83.0	85.0	2.0	85	0.02	0.4		
85.0	86.0	1.0	50	Qtz. Vn., white & rusty	8220A		85.0	86.0	1.0	50	0.15	0.3	0.08	0.2
				Foot of hole.										
				Stopped hole due to squeezing & faulted ground.										

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-22 LENGTH: 211'
 LOCATION: 56+00n; 9+00e DIP: -60°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5715.3' AZIMUTH: 130°
 HOLE STARTED: 79-07-30 HOLE COMPLETED: 79-07-31

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3

HOLE NUMBER: C79-22
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
0	50.0	50.0	0	Overburden & weathered bedrock. Casing to 50'													
50.0	61.0	11.0	20	Dacite, f.g., gry. with rusty frags. Crumbly core wkly silic'f'd. Fault @ 30° with 0.3' gry-clay gouge @ 56'													
61.0	66.0	5.0	25	Dacite, f.g., gry. with mafics 1% diss. Py. Core broken to <1" pces.													
67.0	71.0	5.0	10	Dacite, gry; ground to rounded pebbles													
71.0	79.0	8.0	<10	Andesite amph. porph., wkly silic'f'd.													
79.0	81.0	2.0	90	Dacite tuff, gry. with some silicification & clay alt'n. Faults @ 40° with gry. py. smeared sfce. @ 80-80.5'													
81.0	101.0	20.0	15	Dacite, gry., f.g., core ground to <1" pces. Fault @ ? att'd @ 202' with 0.3' clay gouge													
101.0	106.0	5.0	85	Andesite amph. porph., dk grn. 5% diss. Py.; vrbly mag. Fault @ 40° with slickensides @ 80° @ 102'													
106.0	111.0	5.0	90	Andesite amph. porph. occ. ¼" qtz. vnlts. @ 6" intvls.													
111.0	116.0	5.0	80	Andesite, massive, dk grn., mod. magnetic, chl. on most frags. 2% v.f.g. diss. py. Core brkn to <2" pces.													
116.0	122.0	6.0	75	Andesite, f.g.-massive, highly fractured @ 5°, 15°, 50°, 80°; with chl. on most fract. sfcns.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-22

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
124.0	128.0	4.0	95	Andesite amph. porph. tuff, dk grn with occ. brn. dacite clasts, occ. qtz. strgrs to 0.05' wide, some offset by 0.05' @ 0.5' intvls.											
128.0	130.0	2.0	80	Fault @ 45° with 2' mixed gouge & shattered dacite											
130.0	133.0	3.0	60	Andesite, f.g., drk grn, brkn to <2" pces. Abnd't chl-py on fracs. some diss. Py.											
133.0	143.0	10.0	90	Andesite amph. porph., dk grn with less distinct amph. phenos. Num. calc. strgrs. Fracs @ 3°, 30°, 40°, 80° in criss crossing pattern. Fault @ 45° with slickensides @ 65° with cly gouge @ 140'											
143.0	155.0	12.0	85	Andesite agglom., dk. grn., occ. epidotized blocks, mod. mag. 1% diss. Py. Occ. pk zeol. filling fracs.											
155.0	158.0	3.0	95	Andesitic agglom. Occ. qtz. strgr @ steep angles.											
158.0	161.0	3.0	95	Andesite agglom.; wkly silicf'd, 20% qtz., occ. ep. blebs	8221A		158.0	161.0	3.0	95	<0.01	0.1			
161.0	165.0	4.0	100	Andesite agglom-bx with qtz. cement; qtz. vn @ 80° from 163-165', gry. with occ. volc. frag.	8222A		161.0	165.0	4.0	100	0.02	0.1			
165.0	166.0	1.0	90	Andesite, f.g., massive, dk grn-blk, magnetic	8223A		165.0	166.0	1.0	90	0.02	<0.1			
166.0	170.0	4.0	0	No core: Fault											
170.0	178.5	8.5	100	Andesite, dk grn., massive with abnd't calc. strgrs. Fault @ 40° with 0.1' calc-py. gouge @ 175.5' @ 35° 178-178.5'; some cly gouge											
178.5	181.5	3.0	0	No core: Fault?											
181.5	183.0	1.5	100	Andesite, Dk grn, brkn & sheared core @ 25°											
183.0	187.0	4.0	100	Andesite agglom-bx with qtz. cement, 60-70% qtz. 1-2% diss. Py.	8224A		183.0	187.0	4.0	100	0.02	0.1			

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-23 LENGTH: 260'
 LOCATION: 56+00n; 9+00e DIP: -70°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5715.3' AZIMUTH: 130°
 HOLE STARTED: 79-07-31 HOLE COMPLETED: 79-07-31

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4

HOLE NUMBER: C79-23
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
							FROM	TO	WIDTH	RCVRY			
0	70.0	70.0	0	Overburden and weathered bedrock. Triconed to 70' to obtain solid rock. NQ casing to 70'.									
70.0	75.0	5.0	15	Dacite Fp. porph., gry with c.g. white Fp. phenos. Core brkn to <1½" pces.									
75.0	81.0	6.0	15	Dacite Fp. porph., brkn to <1½" pces. Fault @ ? att'd. with cly. gouge 80-81'									
81.0	91.0	10.0	40	Andesite, dk grn-gry, sheared to crumbly core. Fault @ 20°, cly-zeol-chl abnd't.									
91.0	96.0	5.0	60	Dacite, f.g., gry., crumbly core, 60% clay Fault @ 30° & 15°									
				Occ. qtz. vult. holding rock together @ 6" intvls.									
96.0	106.0	10.0	80	Dacite f.g., gry., crushed & crumbly clay moss Fault @ ? att'd.									
106.0	114.0	8.0	80	Dacite, f.g., gry. strongly silicf'd. Much clay alt'n, 70% qtz. 20% cly., 2% diss. Py., partly crushed to gouge & 1" pces.	8225A		108.0	111.0	3.0	80	0.01	<0.1	
					8226A		111.0	114.0	3.0	80	0.02	<0.1	
114.0	126.0	12.0	90	Andesite, dk grn., f.g., very shattered core. Fault @ 10° from 114-119' chl-gouge with crushed core.									

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-23

SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
126.0	136.0	10.0	95	Andesite tuff, dk grn. 2% diss. Py. clasts of various andesite & f.g. brn. dacite. Occ. ¼" qtz strgrs. Fault @ 60° with 0.2' gry. gouge @ 126' @ 40° with 0.5' gry. chl. gouge @ 128'														
136.0	137.0	1.0	90	Dacite, f.g., gry. with 3-5% diss. Py. Some silic. alt'n. and clay in groundmass. Fault @ ? att'd. @ 136.5'														
137.0	139.0	2.0	97	Andesite tuff, dk grn., with num py filled strgrs. Some calc on frags. with chl.														
139.0	144.0	5.0	95	Andesite agglom. Lt. grn-dk grn. with andesitic clasts in dacite or silicified grndmass, 3-5% diss. Py., 40% qtz. num. brn. dacite clasts & andesite porph. Occ. tiny qtz vnits with freq. epidote in grndmass.														
144.0	154.0	1.0	90	Andesite, dk grn., near massive, 1-2% Py., silic. zone @ 147-148.5', gry-grn with 20% qtz. Fault @ 30° with 0.1' cly. gouge @ 148'														
154.0	156.0	2.0	40	Fault in lt. grn. andesite @ ? att'd; too brkn to tell 2' gouge & pebbles.														
156.0	162.0	6.0	95	Andesite, dk grn, f.g. to massive. Mod. magnetism. Occ. epidote patches. Minor calc. strgrs. Fracs. @ 30°, 45°, 60°, 80°														
162.0	191.0	29.0	95	Dacitic agglom., lt. grn-gry. 1-3% diss. Py. Occ. epidote blebs, clasts of and. & dacite. Fault @ 31° with 0.2' grn. cly. gouge @ 177' @ 25° with 0.1' grn. cly. gouge @ 179.5'														

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-23

SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
						FROM	TO	WIDTH	RCVRY				
162.0	191.0	(cont.)		Fault @ ? att'd with 0.3' cly-zeol. gouge @ 186'									
191.0	208.0	17.0	95	Andesite, massive, dk grn.-blk. Mod. magnetic, <1% diss. Py. occ. tiny calc. strgrs.									
				Faults @ ? att'd. @ 190-191' crushed core @ 28° @ 199' cly. gouge for 0.5'									
				Frac. @ 15°, 30°, 60°, 85°									
208.0	209.0	1.0	95	Dacite, gry. f.g., 3% diss. Py., Qtz. Vn @ 40°, 1/2" wide @ 208' Freq. epidote in grndmass.									
209.0	210.0	1.0	100	Andesite tuff, dk grn., 3% Py mostly on frags.									
210.0	213.0	3.0	97	Andesite, dk. grn., near massive, f.g. amph. phenos., 1-2% diss. Py., Freq. calc. strgrs. @ 60°. Bedding @ 60° @ 211.8'									
213.0	215.0	2.0	95	Andesite agglom. with amph. phenos in grndmass. Occ. ep. strgrs. Frag. of dacite & andesite, 3% Py.									
215.0	217.0	2.0	100	Andesite, f.g., dk. grn-blk; Freq. calc. strgrs. @ 30°, Fracs. 30°, 60°, 70°.									
217.0	229.0	12.0	95	Dacite tuff, with f.g., lt. grn. grndmass, num. calc. strgrs. occ. ep. blebs & patches, 3% Py.									
229.0	248.0	18.0	100	Dacite tuff, lt. grn-gry. with 20-30% Qtz. in grndmass, num. pk. zeols. in strgrs. occ. ep. patch or bleb. Freq. calc. strgrs. & low <s. Poss. bedding @ 60° Faults @ 40° with slicks @ 30°, @ 229.5' @ 30° with minor cly. gouge @ 233.5' @ 30° with 0.5' chl-zeol. gouge @ 242.3'									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-23

 SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
248.0	250.0	2.0	100	Dacite, f.g., lt. grn-gry with f.g. amph. phenos. 2% diss. Py.											
250.0	260.0	10.0	100	Dacite agglom., gry.-grn mottled, freq. epidote patches, 30-40% qtz. in grndmass. Abnd't Py on frags.	8227A		250.0	255.0	5.0	100	0.01	0.1			
				Frac. @ 30°, 45°, 60°. Core brkn to 3-8" pces.	8228A		255.0	260.0	5.0	100	0.02	<0.1			
	260.0			Foot of hole.											
				Note: Used - 16 Quik-Gel 29 Cellex											
				Fault zone 70-130' & 170-208' losing circulation.											

DIAMOND DRILL HOLE RECORD

W. M. Will

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-24 LENGTH: 400'
 LOCATION: 56+00n; 7+00e DIP: -55°
 LATITUDE: 5749' DEPARTURE: 130°
 ELEVATION: 79-08-09 AZIMUTH: 78-08-11
 HOLE STARTED: 79-08-09 HOLE COMPLETED: 78-08-11

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-24
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE					
						FROM	TO	WIDTH				
0	50.0	50.0	0	Overburden & weathered bedrock, NQ casing to 50'.								
50.0	80.0	30.0	90	Dacite, gry.-brn, occ. Fp. phenos, 3% diss. Py., rusty frags. Fault @ 35° with 0.2' cly. gouge @ 67.5'								
80.0	85.0	5.0	5	Dacite, gr., f.g., brkn & grnd to <1" pces.								
85.0	124.5	39.5	95	Dacite, f.g., gry-brn, 3-5% Py., f.g. mafics alt'd to chl-py Frac. strg. @ 10°, 30°, 60°, 80°, brkn to <2" pces. Faults @ ? att'd. @ 101' @ ? att'd. @ 112'								
124.5	134.5	10.0	95	Andesite amph. porph., 3-5% Py., dk grn., brkn to 1" pces. Faults att'd?								
134.5	140.5	5.5	95	Dacite Fp. porph., brn with occ. qtz. vnltz @ various angles Fps. lgly cly alt'd. 5% diss. Py., core brkn to <1½" pces.								
140.5	155.5	15.5	80	Dacite, gry-brn, f.g. with 3-5% Py as blebs & diss. Brkn to 1" pces.								
155.5	160.0	4.5	80	Andesite amph. porph., dk grn with lge. euh. amphs., 2-3% diss. Py. Occ. zeols. on frags. Brkn to <2" pces.								
160.0	172.2	12.0	75	Andesite amph. porph., dk grn., 3% Py. Brkn to <3" pces & <1" pces @ 167-172'								

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-24

 SHEET NUMBER 2 OF 4 *Kittling*

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS							
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE									
							FROM	TO	WIDTH	RCVRY						
172.0	175.0	3.0	40	Dacite, f.g., gry., 3-5% diss. Py., occ. tiny qtz. vnlts. Brkn to <1" pces.												
175.0	177.0	2.0	40	Andesite, f.g., med. grn, wkly silicf'd, 5% Py., 30% qtz., Brkn to <1" pces.												
177.0	186.5	9.5	40	Dacite, f.g., gry., brkn to <1" pces., 3% Py as diss. & frac. fillings.												
186.5	205.0	8.5	85	Fault with gouge @ 60°, dk gry. chl-gouge (pumped core out of tube to recover).												
205.0	209.0	4.0	95	Andesite amph. porph., dk grn., 3-5% Py. shattered to <1" pces. Approx. 80 frags./foot.												
209.0	215.0	6.0	100	Andesite, massive, dk grn-blk, Tr. Py., num. frags @ 20°, 35°, 60°, 80°. Magnetic core.												
215.0	230.0	15.0	85	Andesite, f.g. (massive) dk. grn-lt. grn., Py 2%,												
230.0	233.0	3.0	40	Dacite, f.g., gry. Mod. cly alt'n. Tr. Py. Broken to <2" pces.												
233.0	238.0	5.0	10	Dacite? Poss. cave material. rounded pebbles.												
238.0	256.0	18.0	90	Andesite, dk grn. Crushed to <¼" pces & gouge. Poss. 35° & 75° fault?												
256.0	260.0	4.0	85	Andesite, lt. grn-gry., vrbly alt'd. 2% Py, chl-py on frags. Fractured to <3" pces. Fault @ ? att'd @ 256'												
260.0	273.0	13.0	95	Andesite, massive, dk grn-blk., occ. lt. grn. patch. with clay alt'n. 2% Py mostly on frags. Core brkn to <1½" pces. Fracs. @ 30°, 45°, 60°, 80°, approx. 35/foot in criss crossing pattern.												

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-24

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
273.0	298.0	25.0	90	Andesite amph. porph., 3% diss. Py. occ. zeols. & calc. strgrs. Brkn to <1 1/4" pces. Fault @ ? att'd @ 276' @ 75° with 0.3' cly. gouge													
298.0	320.0	22.0	95	Andesite amph. porph. with occ. patch. of f.g. massive andesite, 0.5 to 1' wide. Zeols. com. on fracs. 2-3% diss. Py., Chl-py on fracs. Fault @ 60° with 0.1' cly. gouge @ 302'													
320.0	324.0	4.0	85	Andesite, f.g., dk-med. grn., with vrble cly. alt'n., 3-5% diss. Py. occ. zeols. on fracs.													
324.0	332.0	8.0	90	Dacite, f.g., gry-brn, occ. amph. phenos., 5% Py. Fracs. @ 15°, 30°, Brkn. to <3" pces.													
332.0	354.5	2.5	90	Andesite amph. porph. Grn-gry. with vrble cly. alt'n., 3-5% Py as diss. & on fracs. Brkn to <1 1/4" pces.													
354.5	369.5	14.0	100	Andesite amph. porph., grn-gry. with lge euh. amph. phenos. 3-5% Py., calc-gypsum filled fracs. @ 30°, 45°, 60° in criss crossing pattern.													
369.5	378.0	8.5	100	Dacite tuff, f.g., gry-brn with occ. amph. phenos. 5-10% Py, gypsum filled fracs. occ. zeols.													
378.0	384.0	6.0	100	Andesite amph. porph. tuff, dk. grn. with gry-brn. clasts of dacite, 8-10% Py as blebs & frac. fillings. Gypsum filled fracs. (solid 5' sections of core).													
384.0	400.0	16.0	100	Andesite agglom. grn-brn. with clasts of dacite & alt'd andesite in f.g. andesite amph. grndmass.													
	400.0			Foot of hole.													

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-24

SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
				NOTE:														
				Used - 27 Quik-Gel														
				37 Cellex														
				3 NQ core bits (worn in cave)														
				1 NQ reaming shell (worn in sand fault)														

DDI 4.74

DIAMOND DRILL HOLE RECORD

Handwritten

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-25 LENGTH: 716'
 LOCATION: 54+80n; 6+50e DIP: -90°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5754' AZIMUTH: Vertical hole
 HOLE STARTED: 79-08-11 HOLE COMPLETED: 79-08-13

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 7
 HOLE NUMBER: C79-25
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: I. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
0	30.0	30.0	0	Overburden & weathered bedrock, NQ casing to 30'													
30.0	35.5	5.0	95	Andesite amph. porph. tuff, dk grn with variably col'd patches 3X diss. Py., rusty frags.													
35.0	37.0	2.0	90	Andesite amph. porph. Bx. Lt. grn with limonite cement & andesite dacite frags. to 1 1/4" dia. Rusty.													
37.0	45.0	8.0	95	Andesite amph. porph., 3-5X Py., Rusty frags. @ 22°, 35°, 60°.													
45.0	51.0	6.0	95	Andesite amph. porph., lapilli tuff, Med. grn. with clasts of andesite Fp. porph., 1X diss. Py., rusty frags.													
51.0	59.0	8.0	95	Dacite, v.f.g., gry. with alt'd m.g. mafics, 1X f.g. py. rusty frags. Fault @ 35° @ 60.5-61' with pebble gouge													
59.0	76.0	17.0	90	Dacite qtz. eye porphyry, gry-tan with freq. rounded qtz. eyes to 1/4" dia., 3X Py. Occ. cly alt'd clast. Fault @ 25° @ 64.5-65' minor gouge													
76.0	86.0	10.0	97	Andesite amph. porph., 2-3X Py., chl-rust on frags @ 20°, 8°, 60°. Dacite dyke; pk, f.g. @ 75°, 84-84.5'													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-25

 SHEET NUMBER 2 OF 7

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag				
							FROM	TO	WIDTH	RCVRY						
86.0	91.0	5.0	98	Andesite amph. porph. tuff with clasts of and-dacite in grns. & tans. 2-5% diss. Py. Much chl-py on frags.												
91.0	99.0	8.0	90	Dacite, massive, gry-brn with 5% Py. occ. Fp. porph. zone up to 1' wide. Well fract'd. core @ 5°, 30°, 60°, 80° into <3" pces.												
99.0	102.5	3.5	97	Andesite amph. porph. tuff, med-grn with 3-5% Py chl alt'd mafics. Clasts of vrble comp.												
102.5	105.0	2.5	85	Dacite, gry., massive, 2-3% f.g. Py, occ. 1/8" qtz strgrs.												
105.0	112.0	7.0	100	Dacite bx., massive frags. gry with 1/8" qtz stockwork strgrs.	8229A		105.0	109.0	4.0	100	0.01	<0.1				
					8230A		109.0	112.0	3.0	100	0.02	<0.1				
112.0	116.0	4.0	95	Dacite lapilli tuff, gry-grn with rnded-subrnded clasts in silic. grndmass. Freq. brt. grn. cly. alt'n. 5% diss. Py.												
116.0	123.0	7.0	95	Dacite Fp. porph. gry. with m.g. white euh. Fps. Occ. f.g. mafics, 1% diss. Py., Fracs @ 30°, 60°, 80°.												
123.0	132.5	9.5	100	Dacite qtz. eye Fp. porph. m.g. with num. euh. to rnd'd qtz eyes & white-yell. Fp. phenos. 3% Py. Fault @ 70° @ 127' with 0.5' gry. cly. gouge												
132.5	138.0	5.5	97	Dacite, massive, gry-white. Occ. 1/8" qtz. strgrs. 5% Py. Occ. euh. Fp. phenos. Fault @ 34° @ 135' with 0.3' pebble-cly gouge												
138.0	155.0	17.0	100	Dacite qtz. eye Fp. porph. gry. qtz. eyes to 1/4" dia. wk cly. alt'd. Fps.												
155.0	186.0	31.0	100	Dacite Fp. porph. gry., yell. mottled, occ. qtz. eyes, 3% diss. Py. Abnd't py filled frags.												

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-25

 SHEET NUMBER 3 OF 7
Appraisal

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
				Faults @ 45° with 0.05' clay. gouge @ 162'														
				@ 25° with 0.05' clay gouge @ 169'														
				@ 30° with 0.05' clay gouge @ 175.8'														
				@ 45° with 0.02' clay gouge @ 184'														
186.0	193.5	7.5	100	Dacite Qtz. eye Fp. porph. gry. similar to above unit with more Qtz. eyes.														
193.5	196.0	2.5	100	Dacite Fp. porph. brn-gry with c.g. euh. Fps., 5% Py., Lct. @ 60°, Uct? Occ. zeols. on frags.														
196.0	200.0	4.0	100	Dacite Qtz eye Fp. porph. Vrble size Qtz eyes, approx. 15/foot. 5% diss. Py. strg. frags. @ 25°, 30°, 45°, 60° in criss crossing pattern.														
200.0	204.5	4.5	100	Dacite Fp. porph. Tan-gry with cly. alt'n. Occ. Qtz eyes. 5-8% Py., pink zeols. on frags.														
204.5	212.5	8.0	100	Dacite amph. porph. dk-lt-grn-brn. Poss. tuff, 5-8% Py., Occ. Qtz. vnlts. to 1/4" wide @ 1' intvls. Pink zeols. & py com. as frac. fillings.														
212.5	218.0	5.5	100	Andesite amph. porph., dk grn., 5% diss. Py., occ. amygdules of Qtz-zeol.														
218.0	219.0	1.0	100	Rhyolite (felsite) dyke, pink, massive. Uct @ 50°, Lct @ ? 8% diss. Py. replcg. mafics.														
219.0	223.0	4.0	100	Andesite amph. porph., dk grn, mottled by amygdules of Qtz.-zeol. (zeol-prehnite) some felsic flooding of grndmass (poss. K-spar).														
223.0	228.0	5.0	100	Andesite amph. porph. tuff with num. Fp. XL frags & andesite clasts in grndmass.														

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-25

 SHEET NUMBER 4 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRT		NUMBER	% SULFIDES	FOOTAGE				Au	Ag					
							FROM	TO	WIDTH	RCVRT							
228.0	271.0	43.0	100	Dacite, Fp. porph. brn-grn, m.g. 3-5% diss. Py., occ. 1/8" qtz. vults.													
				Faults @ 20° with slicks @ 5°, @ 234.5'													
				@ 15° & 30° @ 234.5-244' with gouge													
				@ 36° with cly. gouge @ 264-265'													
271.0	275.0	4.0	100	Dacite agglom. brn-grn with rnd'd dacite clasts to 3" dia. 4-5% diss. Py. Occ. calc. filled frags.													
275.0	292.0	17.0	100	Dacite Fp. porph., 3-5% Py.													
				Fault @ 28° @ 277-278' with cly. gouge													
				@ 30° @ 281.5-282' with cly. gouge													
				@ 33° @ 285.5-286' with cly. gouge													
				@ 25° @ 289.7-290' with cly. gouge													
292.0	294.0	2.0	100	Dacite amph. porph. lt. grn. with brn. mottling													
				Occ. brn. dacite clast, 5% diss. Py. Mafics lgly alt'd. to chl-py.													
294.0	317.0	2.3	100	Dacite, v.f.g., gry-grn, occ. 1/8" qtz. strgrs., occ. Fp. porph. zones to 8" wide @ 3' intvls.													
				Fault @ 40° with 0.2' cly. gouge @ 298.5'													
				Qtz. vn @ 296.5-297' Lct @ 65°, Uct @ 60°	8231A		296.5	297.0	0.5	100	<0.01	0.4					
317.0	318.4	1.4	100	Qtz. Vn. Bxt'd. & cemented with qtz-gypsum, 5% Py., grey wisps & flecks.	8232A		317.0	318.4	1.4	100	<0.01	1.0					
318.4	320.9	1.5	100	Dacite, f.g., strgly silicf'd, 70% qtz. Occ. grey wisp & patch.	8233A		318.4	320.9	1.5	100	0.02	0.3					
320.9	330.0	9.9	100	Dacite tuff, dk-lt. grn. Clasts of andesite-dacite, 5% Py. Occ. zeol. & calc. strgrs of frac. fillings.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-25

 SHEET NUMBER 5 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
							FROM	TO	WIDTH				
330.0	363.0	33.0	100	Dacite, v.f.g., massive, gry-brn with grn. mottling, num. calc-zeol. filled strgrs. Occ. 1/8" qtz. strgrs.									
				Faults @ 20° @ 335.5-336' with cly. gouge									
				@ 70° @ 341' with 0.1' gry. cly. gouge									
				@ 28° @ 357' with 0.1' gry. cly. gouge									
				Qtz. Vn @ 351-352' Uct @ 40° Lct @ 30°, 5% Py.	8234A		351.0	352.0	1.0	100	<0.01	<0.1	
363.0	395.0	32.0	100	Andesite, dk grn, f.g., 5-8% diss. Py., num. gypsum filled strgrs									
				occ. zeols. & calc. strgrs.									
				Frac. @ 15°, 35°, 60°, 80° in criss crossing pattern									
395.0	409.0	14.0	100	Andesite, f.g., dk grn., num. gypsum strgrs. Freq. calc & zeol.									
				frac. fillings, 2% Py. mostly on fracs.									
409.0	410.5	1.5	100	Dacite (rhyolite) f.g., pk-brn, Uct @ 58°, Lct @ 60°									
410.5	432.0	21.5	100	Andesite, f.g., dk grn.									
432.0	436.0	4.0	100	Dacite agglom. brn. dacite clasts in grn-gry grndmass., 5% Py;									
				vrble in clasts. Num. gypsum filled fracs.									
436.0	443.3	7.3	100	Andesite, f.g., dk grn as in 410.5-432 above									
443.3	461.5	18.2	100	Dacite agglom. lt. brn. clasts of rnd'd & ang. dacite, 4-5% diss. Py., num. gyps. strgrs. Occ. 1/8" qtz. vnlt.									
461.5	463.8	2.3	100	Andesite, f.g., dk grn., occ. amph. phenos. Bedding @ 55°									
				(by feldspar alignment) Num. gyps. strgrs. 2% diss. Py.									
463.8	500.0	36.2	100	Dacite Bx., brn-grn with dacite clasts in lt. grn. dacite									
				grndmass. 3% diss. py. Fracs @ 30°, 45°, 80°, 60°									
				Gypsum vein @ 60° @ 483-483.5'									
500.0	506.0	6.0	100	Dacite, f.g., grn-brn, 8% diss. Py., some on fracs.									
506.0	521.0	15.0	100	Dacite Bx., brn-grn, as in unit 463.8-500' above									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-25

 SHEET NUMBER 6 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
521.0	523.0	2.0	100	Dacite tuff, grn-brn grndmass up to 20% gypsum, 10% Py as patches & frac. fillings.														
523.0	524.5	1.5	100	Andesite, massive, dk. grn-blk. Mod. magnetic, 3% Py														
524.5	545.0	20.5	100	Dacite agglom., brn-gry with clasts of grn. andesite & brn. dacite. 10% Py as frac. fillings mostly.														
				Abnd't gypsum strgs @ 30°, 45°, 60°, in criss crossing pattern.														
				Approx. 5% gypsum in groundmass														
545.0	556.0	11.0	100	Dacite, f.g., brn-grn. Num. gypsum strgrs. occ. dacite frag. 5% Py.														
556.0	559.5	3.5	100	Dacite Bx. Brn with gypsum cement, 10% Py. clasts of brn. f.g. dacite.														
559.5	590.0	30.5	100	Dacite, f.g., grn with occ. amph. phenos., 5-8% Py. Abnd't gypsum on frags. to 1" wide.														
				Fault @ 62° @ 581.5' with 0.05' cly. gouge														
590.0	610.0	20.0	100	Dacite-andesite, dk-lt. grn with occ. brn-gry. patch., 5-8% Py.														
610.0	624.0	14.0	100	Dacite, f.g., grn-brn. Occ. mafic vein, 5-8% Py.														
624.0	636.0	12.0	100	Dacite, f.g., brn with f.g. mafics, ptly alt'd. to chl-py, 4-5% diss. py.														
636.0	646.0	10.0	100	Dacite, f.g., lt. grn. with brn. patches, 5% Py., f.g. mafics alt'd to chl-py. Less frag. gypsum vnlt.														
646.0	676.0	30.0	100	Dacite agglom., lt. grn with brn. clasts to 3" dia., 3-5% Py. Mafic rem. com. in grndmass.														
				Faults @ 32° with 0.2' cly. gouge @ 670'														
				@ 33° with 0.1' cly. gouge and slicks @ 55°														
				@ 672.5'														

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-26 LENGTH: 596'
 LOCATION: 55+50n; 5+70e DIP: -90°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5775' AZIMUTH: - vertical
 HOLE STARTED: 79-08-13 HOLE COMPLETED: 79-08-15

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 6
 HOLE NUMBER: C79-26
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
						FROM	TO	WIDTH	RCVRY				
0	30.0	30.0	0	Overburden & weathered bedrock, casing to 30'									
30.0	32.0	2.0	5	Dacite, f.g., gry-white, cly. alt'd & leached. Rusty frags.									
32.0	42.0	10.0	90	Dacite, f.g., gry-white, with occ. qtz eyes. Leached & rusty Fault @ 60° @ 41.3-42' with rusty gouge									
42.0	47.0	5.0	55	Dacite, f.g. white. Abnd't cly. alt'n. Leached of Py. Brkn to <1" pces.									
47.0	50.0	3.0	10	Fault gouge, att'd? Dacitic material, core brkn to ½" pces. & cly. gouge.									
50.0	58.0	8.0	50	Dacite qtz. eye porph. Gry.-rusty-white. Leached. cly. alt'n. Fault @ att'd too broken to determine.									
58.0	68.0	10.0	80	Dacite qtz-eye porph. Gry-rusty brn. Solid core, 8" pces. Leached of Py. Rusty. Fault @ 40° with 0.2' cly. gouge @ 60'									
68.0	71.0	3.0	90	Dacite qtz. eye porph. Gry. rusty brn. Leached & crushed to gouge & 3" pces. Fault @ 45° with cly. gouge @ 70-71'									
71.0	76.0	5.0	75	Dacite f.g., gry. Tr. Py. Brkn. to <1½" pces. Much cly. gouge.									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-26

 SHEET NUMBER 2 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
					Fault @ 47° @ 71-72'									
76.0	85.0	9.0	35	Dacite, f.g., gry. <1% Py. Crushed to <1" pces. & cly. mush.										
85.0	108.0	23.0	90	Andesite amph. porph. tuff. Dk grn with gry. patches of alt'd. andesite. 3-5% diss. py. White zeols. in frags. Brkn. to <2" pces.										
				Faults @ 40° with 0.1' gouge @ 97.5' @ 35° with crushed rx. @ 101-108'										
108.0	111.0	3.0	70	Andesite amph. porph. Dk grn., 3-5% diss. Py. Vrbly. brkn & sheared cave.										
				Fault @ 20° & 45° @ 109-111'; brkn to <1" pces.										
111.0	115.0	4.0	65	Andesite amph. porph. Dk. grn. with 3% Py. Mafics ptly. alt'd to chl-py. Brkn to 2" pces.										
115.0	121.0	6.0	70	Andesite amph. porph. tuff. Dk. grn. 5% Py. as diss. frac. fillings. Frags. strg @ 3°, 50°, 80°.										
121.0	163.0	42.0	0	Triconed due to squeezing ground.										
163.0	177.0	14.0	80	Dacite, f.g., grn-gry with occ. Fp. phenos. Core brkn to <1 1/4" pces.										
177.0	182.0	5.0	65	Dacite Fp. porph. Grn-gry with 1% diss. Py. Much Py on frags. Brkn to <2" pces @ 5°, 30°, 45°.										
				Fault @ ?, att'd. @ 178.5'										
182.0	191.0	9.0	5	Dacite, f.g., gry. 2-3% Py. Cly. alt'd. Brkn to <1" pces.										
191.0	196.0	5.0	0	No core. Faulted ground, core washed away.										
196.0	199.0	3.0	50	Dacite Fp. porph. Gry. m.g., 5% Py. Frags @ 40°, 50°, 80°. Brkn to <2" pces.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-26

 SHEET NUMBER 3 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
199.0	213.0	14.0	50	Dacite, f.g., gry. 1X Py. Much cly. alt'n. of groundmass														
				Fault @ ? att'd. Brkn to <1/4" pces with occ. cly. gouge.														
213.0	218.0	5.0	45	Dacite Fp. porph. Gry. with m.g. white-tan euh. Fp. phenos.														
				<1X Py. Brkn. to <1" pces. with cly. gouge.														
218.0	242.0	24.0	0	Triconed due to badly squeezing ground.														
242.0	244.0	2.0	75	Dacite, f.g., gry. Tr. Py. Cly. alt'd. groundmass. Brkn. to														
				<1" pces. & cly. gouge.														
244.0	254.0	10.0	65	Dacite Fp. porph. Gry.-tan. Tan euh. Fp. phenos. Tr. Py.														
				Brkn. to <1 1/4" pces.														
254.0	265.0	11.0	80	Dacite, f.g., gry. 1-3X diss. Py. Cly alt'd & highly brkn to														
				<1" pces with gouge.														
				Fault @ 15° @ 258-261' with cly. gouge														
265.0	273.0	8.0	85	Andesite amph. porph. tuff. Dk. grn. 3X Py.														
				Minor zeols. on frags.														
				Fault @ 30° & 50° @ 265.4-268'														
273.0	284.0	11.0	0	No core; prob. fault gouge washed away														
284.0	291.0	7.0	50	Dacite Fp. porph. m.g. gry. 3X Py. Brkn. to <1" pces. Pk														
				zeols. on frags.														
291.0	296.0	5.0	15	Dacite, f.g., gry. 2-3X diss. Py. Brkn. to <1" pces.														
296.0	301.0	5.0	35	Dacite Fp. porph. M.g. Fps. Occ. pk. zeols. Core brkn. to														
				<1 1/4" pces.														
301.0	347.0	46.0	0	Triconed due to faulted & squeezing ground.														
347.0	350.0	3.0	50	Dacite, f.g., massive. Gry. 2-3X Py. Some cly. fault gouge														
				but att'ds?, too brkn to determine.														
350.0	359.0	9.0	65	Dacite Fp. porph. M.g. white euh. Fp. phenos, 1X diss. Py.														

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-26

 SHEET NUMBER 4 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
				Fault @ 40° @ 357' & 15° @ 357.5-359'													
359.0	372.0	13.0	80	Dacite tuff, gry., massive groundmass, 2-3% Py													
				Faults @ ? att'd, core too brkn to tell.													
				Frac @ 15°, 30°, 45°, 80° brkn. to <2" pces.													
372.0	379.5	7.5	85	Dacite, f.g., gry. Crushed to crumblu mush of rx. & clay. 60% gouge, 40% crushed rock.													
				Fault @ 5° & 30°													
379.5	386.0	6.5	10	Dacite, f.g., gry., brkn. to <1/4" pces & clay gouge													
386.0	406.3	10.3	80	Fault with clay gouge & crushed dacite @ 5°.													
406.3	411.0	4.7	15	Dacite; Fault with clay gouge & frags. of dacite @ 5°.													
411.0	416.5	5.5	95	Andesite, f.g., dk. grn. Cut by num. gypsum strgrs. 3/inch. Num. pk. zeols. on frags. 5% Py.													
416.5	419.0	2.5	100	Andesite tuff, dk. grn with brn. clasts to 2" dia., 5-10% Py. Vrble. in clasts. Num. gypsum strgrs. 429-429.8' gypsum vein @ 60° with some qtz. 10%.													
419.0	463.0	44.0	100	Dacite agglom.-bx. Gry. with brn. dacite clasts, cemented with gypsum. 5% diss. py. Occ. zeols. in frags. @ 35°, 60°, 75°, 80°.													
				Fault @ 25° with gyps-calc-zeol. filling @ 461-462'													
463.0	470.0	7.0	100	Dacite, f.g., gry-grn with 5-8% diss. Py. Num. gyps. filled frags. or strgrs.													
470.0	486.0	16.0	100	Dacite agglom., grn-gry. with brn. dacite patches to 4" dia. Num. gyps. strgrs. Occ. zeols.													
486.0	505.0	19.0	100	Andesite agglom. Dk grn. groundmass with brn. dacite clasts to 3" dia. 5% diss. Py. Abnd't gyps. strgrs.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-26

 SHEET NUMBER 5 OF 6

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS			
FROM	TO	WIDTH	RCVRT		NUMBER	% SULFIDES	FOOTAGE						
							FROM	TO	WIDTH				
				Fault @ 38° with 0.05' chl. gouge with slicks. @ 35° @ 491.6'									
505.0	520.0	15.0	100	Dacite agglom. Grn-brn grndmass with brn. dacite clasts. Occ. andesite clasts to 3" dia. 3% Py. Freq. andesite patches to 8" wide @ 3' intvls.									
520.0	526.0	6.0	100	Andesite amph. porph. lapilli tuff. Dk. grn. grndmass with vrbly col'd. clasts. 5-8% diss. Py. Num. gyps. & calc. strgrs.									
526.0	530.5	4.5	100	Dacite agglom. lt-dk grn. with brn. patches. 8-10% gyps. strgrs.									
530.5	535.0	4.5	100	Andesite, f.g., dk. grn. 3-5% Py. Num. calc-gyps. strgrs. @ 35°, 50°, 60°, 80°.									
535.0	539.0	4.0	100	Andesite tuff-agglom. Dk. grn. with vrbly clasts of dacite-andesite. 5% diss. Py.									
539.0	560.0	21.0	100	Dacite agglom.-bx. Grn.-brn with brn. dacite clasts. Num. gyps. strgrs. Occ. zeol. vnlt @ 2' intvls. 444.5-446' - dacite Fp. porph. @ 43°, pk with yell. pk. euh. Fp. phenos.									
560.0	580.0	20.0	100	Dacite lapilli tuff-agglom. Grn-brn with vrbly. size clasts <2" dia. Brn. dacite clasts. 5-10% Py., vrbly. in clasts. Abnd't gyps. filled strgrs. Num. Py patches often amphiboles.									
580.0	596.0	16.0	100	Dacite agglom. Grn-brn with lge. brn. clasts of dacite. 4-5% Py. Num. gyps. zeol & calc. strgrs. to 1" wide @ 35°, 40°, 65°, 80°.									
				Fault @ 35° @ 595' minor gouge									

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-27 LENGTH: 120'
 LOCATION: 54+00n; 8+30e DIP: -60°
 LATITUDE: 5672.6' DEPARTURE:
 ELEVATION: AZIMUTH: 130°
 HOLE STARTED: 79-08-15 HOLE COMPLETED: 79-08-16

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3

HOLE NUMBER: C79-27
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: Triple tube coring
 LOGGED BY: I. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
						FROM	TO	WIDTH	RCVRY				
0	20.0	20.0	0	(20°/4 = 4 frags./foot @ 20° each) Overburden, NW casing to 20'.									
20.0	23.0	3.0	85	Dacite, f.g., white-yell., leached, 3-5% diss. Py. Rusty frags. 38°/3, 25°/2, 60°/4.									
23.0	23.8	0.8	90	Fault gouge @ 30° with 0.8' cly-pebble gouge									
23.8	25.0	1.2	80	Dacite Fp. porph. with 0.2' qtz-vn @ 60°									
25.0	26.5	1.5	80	Fault gouge @ 30° with cly-pebble gouge									
26.5	33.0	6.5	80	Dacite Fp. porph. Grey-olive grn. with cly. alt'n. Frac. @ 5°/2, 30°/4, 63°/5, 67°/6.									
33.0	34.6	1.6	65	Dacite Fp. porph. Fracs @ 8°/3, 38°/5, 85°/3									
34.6	36.0	1.4	5	Dacite? Very poor core recovery									
36.0	36.2	0.2	85	Qtz. Vn. @ 42', Fracs. @ 5°/2, 45°/4, 60°/3									
36.2	37.5	1.3	95	Dacite Fp. porph. with mod. silic. alt'n. 30% qtz. Olive grn. alt'n. (clay). Fracs. @ 5°/3, 48°/6.									
37.5	40.0	2.5	100	Dacite Fp. porph. Olive grn. alt'n. in gry. grndmass. Frac. @ 5°/2, 48°/7, 80°/3, 60°/5, criss crossing									
40.0	42.6	2.6	80	Dacite. Fault @ 35° with cly. gouge. Fracs. @ 5°/2, 65°/3.									
42.6	47.5	4.9	90	Qtz. Vn., white-gry. with 15% volc. frags. Rusty frags. @ 5°/2, 18°/5, 28°/9, 45°/6.									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-27

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
47.5	50.0	2.5	85	Dacite tuff with silic. grndmass. Gry-grn. Fracs. @ 15°/2, 60°/4, Fault @ 35° @ 48-49.2' with cly.-pebble gouge.													
50.0	54.0	4.0	90	Dacite tuff (as above 47.5-50') Frac. @ 5°/1, 30°/10, 70°/8, 60°/8, very crumbly core.													
54.0	68.0	14.0	100	Dacite, gry-grn., f.g., vrbly. cly. alt'd. Fracs @ 5°/2, 58°/4 (2 sets), 80°/6.													
68.0	72.0	4.0	95	Dacite tuff. Gry-white with grn. mottling, 5% Py. Frac. @ 8°/3, 30°/5, 45°/10, 80°/8 Fault @ 18° @ 71.5' with 0.3' cly. gouge													
72.0	82.0	10.0	97	Dacite, v.f.g., gry-grn., 3-5% diss. Py. Frac. @ 5°/2, 25°/4, 50°/4, 60°/5 Fault @ 22° @ 79' with 0.02' cly. gouge													
82.0	86.0	4.0	90	Dacite tuff. Gry-grn. with grn. cly. patches Fault @ 47° @ 83.8' with 0.3' cly-pebble gouge Frac. @ 15°/2, 30°/3, 50°/8, 75°/5													
86.0	95.0	9.0	95	Dacite tuff, lt. grn-dk. grn. Occ. f.g. Fp. zones Frac. @ 13°/2, 25°/5, 50°/6, 63°/4. Fault @ 50° with 0.1' cly. pebble gouge @ 93.8'													
95.0	97.5	2.5	97	Qtz. Vn. White-grn with 20% volc. frags. 8-10% Py. as blebs & frac. fillings. Frac. @ 18°/3, 30°/5, 45°/6.													
97.5	100.0	2.5	100	Dacite agglom. Brn-gry. Wkly silicf'd. 20% qtz. Frac. @ 25°/3, 48°/8, 60°/8, 80°/6.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-27

 SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS										
FROM	TO	WIDTH	RCVRT		NUMBER	% SULFIDES	FOOTAGE												
							FROM	TO	WIDTH	RCVRT									
100.0	104.0	4.0	100	Dacite agglom. tuff. Gry-brn. 5-8% Py. Fracs. @ 18°/3, 35°/5, 45°/8, 52°/6, 80°/6 in criss crossing pattern. Fault @ 68° @ 102.3' with 0.1' cly. gouge @ 43° @ 102.8' with 0.05' cly. gouge															
104.0	110.0	6.0	100	Andesite amph. porph. tuff. Dk-med. grn. with clasts of and. to dacite. 3-5% Py. Occ. zeol., calc. strgrs. Fracs. @ 28°/5, 42°/6, 82°/4. Fault @ 5° @ 108.5' with slicks. @ 70°															
110.0	115.0	5.0	97	Andesite amph. porph. f.g. dk. to med. grn. Occ. pk. zeols. strgrs. Fracs. @ 43°/6, 58°/6 criss crossing & 80°/3. Fault @ 5° @ 113' with slicks. @ 65° in chl. gouge															
115.0	120.0	5.0	100	Andesite tuff-agglom. Dk. grn. 5% py. Num. zeol. filled strgrs. Faults @ 35° @ 115.4' with chl. gouge @ 46° @ 119.5' with chl. on sfce. Fracs. @ 35°/3, 62°/3, 75°/4															
	120.0			Foot of hole.															
				Note: Used - 9 Quik-Gel 8 Cellex 3 NQ drill rods (10') worn thin 1 NQ outer tube (core bvl.) 1 NQ core barrel															

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-28 LENGTH: 244.5'
 LOCATION: 48+50a; 5+90e DIP: -45°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5632' AZIMUTH: 130°
 HOLE STARTED: 79-08-16 HOLE COMPLETED: 79-08-18

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 5
 HOLE NUMBER: C79-28
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: All core pumped
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
0	30.0	30.0	0	Overburden; NW casing to 30'													
30.0	46.0	16.0	100	Andesite amph. porph. Dk. grn. with c.g. euh. amph. phenos. 3-5% Py., partly leached. Rusty frags. to 37'. Occ. zeol. strgrs. Brkn. to <5" pces. Fault @ 32° @ 35.4' with slicks. @ 70° @ 38° @ 43' with 0.1' gry-cly. gouge													
46.0	50.0	4.0	97	Andesite amph. porph. Dk. grn. Abnd't. zeol. strgrs. 5% Py. Crushed core to <1" pces. Very crumbly. Fault @ 10° @ 47.5' with 0.2' cly. gouge @ 10° @ 49' with 0.1' cly. gouge													
50.0	55.0	5.0	80	Andesite amph. porph. Med. grn. Crushed to mixt. of <1" frags. & cly. gouge. Fault near parallel to core. Fault @ 8° @ 50-55' with gouge & shattered rock													
55.0	73.0	18.0	95	Andesite amph. porph. Dk. grn. 3-5% diss. Py. Zeol. strgrs. com. Core crumbles to <1/4" pces.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-28

 SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
73.0	78.0	5.0	100	Andesite amph. porph. Dk. grn. Intensely sheared and cemented with zeol-chl. totalling 30% Fault @ 30° & 7° giving crumbly core, brkn to $\frac{1}{2}$" pces. when picked up. (Core pumped from tube to recover).														
78.0	90.0	12.0	97	Andesite amph. porph. tuff. Dk. grn. with occ. andesite Fp. porph. zone to 6" wide. Intensely sheared & zeolitized (40%) with 30% cly-chl. Fault nearly parallel to core 0.5°; vry. gouged core with occ. 6" solid pces. @ 2' intvls.														
90.0	94.0	4.0	97	Andesite amph. porph. Dk. grn. with white patches & shears with zeol-py-chl. 5X diss. Py. Faults @ 5° @ 90-94') With chl-cly gouge @ 28° @ 91') and @ 28° @ 92') crumbly core @ 30° @ 93.3')														
94.0	110.0	16.0	100	Andesite amph. porph. Med. grn. with m.g. amphs. Vry. crumbly core. Abnd't. chl-cly gouge throughout. Faults @ 38° @ 97' 0.1' cly. gouge @ 37° @ 99' with 0.1' cly. gouge @ 8° & 31° @ 102-104' with cly-chl. gouge Occ. zeol. strgrs. criss crossing @ 30° @ 2' intvls.														

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-28

 SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
						FROM	TO	WIDTH	RCVRY				
110.0	113.0	3.0	95	Andesite amph. porph. Dk. grn. with 15% zeols. & 30% chl. in faulted crumbly core. Faults @ 35° @ 111' with 0.2' cly. gouge @ 5° @ 111.5-112' with 0.5' cly. gouge									
113.0	114.0	1.0	97	Qtz. Vn., att'd? with 20% zeol-calc. 10% chl. as bands. Tr. Py. Vry. crumbly. Fracs. @ 5°, 35°, 50°, 60°	8246A	113.0	114.0	1.0	97	0.04	0.1		
114.0	126.0	12.0	97	Andesite, f.g., med. grn., 5% Py. Brkn. to <1 1/2" pces. Core very crumbly. Num. zeol. strgrs. Faults @ 5° @ 114') @ 80° @ 117.4') with cly. gouge @ 34° @ 120', 121', 122') @ 5° @ 126')									
126.0	131.0	5.0	97	Dacite tuff, Lt. grn. with dk. grn. andesite patches, 5-8% Py. Abnd't. zeol. & cly. alt'n. Faults @ 25° @ 127' with minor gouge	8247A	126.0	131.0	5.0	97	<0.01	0.1		
131.0	143.0	12.0	100	Andesite amph. porph. Lt. grn. with num. zeol. shears with up to 30% zeols. @ 30°, 60°. Fault @ 30° @ 131') @ 5° @ 131.4-133') with chl. gouge @ 15° @ 132-134') @ 30° @ 134-141' @ 8 Intvls.)									
143.0	150.0	7.0	97	Andesite tuff. Med. grn. 3% diss. Py. Occ. clasts of gry. f.g. dacite. Occ. 2" clasts.									
150.0	164.0	14.0	97	Andesite, f.g. (Poss. tuff) zeolitized with 25% zeols. Crushed core. Faults @ 6" intvls. @ 25-30° @ 1' intvls. @ 5-8° Much chl-cly. gouge on faults									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-28

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag	CALC.		
							FROM	TO	WIDTH	RCVRY					
167.0	185.2	18.2	96	Andesite? f.g., intensely zeol. ztt'd. Very crumbly 40% chl-zeol. 5% Py. Fault @ 5° & 30° @ 1' intvls. with cly. gouge											
185.2	191.0	5.8	62	Qtz. Vn., @ 40°. Gry. with chl. patches. 5% vugs, 8% Py. Crushed to 1/4" pces. Fault @ 5-8° & 40°	8248A		185.2	191.0	5.8	62	0.74	20.0	0.76	21.20	
191.0	195.0	4.0	90	Dacite, f.g., gry. Cut by 1/4" qtz. vnlt. @ 60° @ 6" intvls.	8249A		191.0	195.0	4.0	90	0.02	0.9			
195.0	200.0	5.0	95	Dacite, f.g., gry. as above 191-195 with more freq. qtz. vnlt. 5% diss. Py.	8250A		195.0	200.0	5.0	95	0.03	0.5			
200.0	202.0	2.0	100	Dacite tuff, gry-brn. with 30% qtz & 1/4" vnlt. @ 50° @ 6" intvls.	8251A		200.0	202.0	2.0	100	0.04	0.9			
202.0	203.5	1.5	95	Qtz. Vn., Dk. gry-grn. with abnd't. chl. & black sooty mineral. Occ. patch of red oxide? 3% Cpy., 10% Py.	8252A		202.0	203.5	1.5	95	0.58	4.5	0.54	4.02	
203.5	205.0	1.5	100	Qtz. Vn., gry-white with 1/8" chl. bands @ 5" intvls. 3% Py. 10% vugs or open spaces.	8253A		203.5	205.0	1.5	100	0.57	20.5	0.65	2.58	
205.0	210.0	5.0	100	Qtz. Vn., with 1/4" chl. bands @ 5" intvls. @ 40° Occ. gry. flecks & patch. 3% Py. strg. shearing @ 30° & 10% throughout.	8254A		205.0	210.0	5.0	100	0.15	3.3	0.15	2.63	
210.0	215.0	5.0	100	Qtz. Vn., white with chl. bands, 1/4" wide @ 45° @ 8" intvls. 3% Py., 10% open spaces & vugs.	8255A		210.0	215.0	5.0	100	<0.01	0.1			
215.0	220.0	5.0	100	Qtz. Vn., white with 10% volc. frags., 5% Py., 8% open spaces, 5% chl.	8256A		215.0	220.0	5.0	100	<0.01	0.1			
220.0	236.0	16.0	100	Dacite, f.g., gry-lt. grn. Num. zeols. in frags. @ 0°, 30°, 60°, 90°	8257A 8258A		220.0 225.0	225.0 228.0	5.0 3.0	100 100	0.02 0.01	0.3 0.1			
236.0	238.0	2.0	100	Andesite, dk. grn., Massive, mod. magnetic. 5% Py. Brkn to 3" pces with frags. @ 30°, 60°, 90°.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-28

SHEET NUMBER 5 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS										
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE												
							FROM	TO	WIDTH	RCVRY									
238.0	244.5	6.5	100	Dacite, f.g., gry-lt grn., 3-5% Py. Freq. zeols. in frags. Fault @ 5° & 30° @ 239-241' with crushed rx. & cly. gouge @ 28° @ 244' with chl-cly gouge															
	244.5			Foot of hole.															
				Note:															
				Used - 3 Quik-Gel															
				6 Cellex															
				2 gal. Polydrill "325"															
				7 x 100 rubber water lines															

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-29 LENGTH: 401'
 LOCATION: 48+50n; 5+90e DIP: -70°
 LATITUDE: 5632' DEPARTURE:
 ELEVATION: AZIMUTH: 130°
 HOLE STARTED: 79-08-18 HOLE COMPLETED: 79-08-19

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 6
 HOLE NUMBER: C79-29
 PROPERTY: Chappella
 ACCOUNT No.: 301-02
 CORE SIZE: NQ
 % CORE RECOVERY: All core pumped from tube
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS							
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
0	20.0	20.0	0	Overburden; NW casing to 20'													
20.0	46.0	26.0	97	Andesite amph. porph. Med.-c.g. euh. mafics in dk-grn. grndmass 3% Py. after mafics. Rusty frags. to 28'. Freq. zeols. in strgrs. @ 2' intvls. Fault @ 40° @ 27' with 0.2' cly. gouge @ 36° @ 40-41.5' with chl. gouge													
46.0	51.0	5.0	100	Andesite tuff-agglom. 2% Py. Occ. zeols. strgrs.													
51.0	61.0	10.0	100	Dacite tuff gry-grn. with occ. m.g. amph. phenos. 3-5% Py. Abnd't. zeols. in strgrs. & grndmass. Faults @ 28° @ 54-55' with cly. gouge @ 34' @ 57-57.5' cly. gouge													
61.0	66.0	5.0	100	Dacite tuff, gry-pk mottled with zeols. 5% Py. Frags. @ 25°, 30°, 60°, 85° Fault @ 30° @ 64.8' with 0.2' chl-py gouge													
66.0	75.4	9.4	100	Andesite agglom. Grn-gry with brn-gry. dacite clasts, 5% diss. Py.													
75.4	85.8	10.4	100	Andesite amph. porph., 8-10% Py. blebs, ¼" Qtz. vnlts. @ 55°													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-29

 SHEET NUMBER 2 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS										
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE												
							FROM	TO	WIDTH	RCVRY									
85.8	95.0	9.2	100	@ 75.5' & 78.3'. Fracs. @ 30°, 60°, 75°															
				Andesite agglom. Dk-lt grn. with freq. brn. dacite clast. Num.															
				zeol. strgrs. ¼" Qtz. vnlts. @ 32° @ 93'.															
				Fault @ 35° & 55° @ 91-92' with chl-gouge.															
95.0	104.0	9.0	100	Andesite amph. porph. lapilli tuff. Lt. grn. with grn-gry-brn.															
				f.g. clasts of andesite & dacite, 3% Py. Freq. zeols.															
				Frac. strg. @ 50°, 60°, 70°.															
104.0	109.0	5.0	100	Andesite amph. porph. Dk. grn. with 3-5% Py. Freq. pk. zeol.															
				strgr.															
109.0	131.0	22.0	97	Dacite, f.g., gry with grn patches of chl. after mafics															
				Fault @ 15° @ 110.5-111' with pebble-cly gouge															
				@ 30° @ 120' with 0.1' zeol-chl-gouge															
				@ 70° @ 129.5' with 0.1' cly. gouge															
131.0	153.0	22.0	100	Andesite-dacite tuff. Gry-grn. Intensely sheared & alt'd. by															
				chl-zeol. (up to 30% chl-zeol) 5% Py. Very crumbly core.															
				Faults @ 27° @ 151' with 0.3' cly. gouge															
153.0	161.0	8.0	100	Dacite, f.g., gry-brn with 3-5% Py. Num. crushed zones @															
				38°, 18°, 60°, 80°.															
161.0	168.5	7.5	100	Dacite, brn., f.g. Freq. euh. mafic rems. ptly. alt'd. to	8259A		161.0	166.0	5.0	100	<0.01	0.3							
				chl-py. Oc. ¼" Qtz. vnlts. @ 60° @ 163' & 167'	8260A		166.0	168.5	2.5	100	0.01	0.3							
				Minor olive grn. cly. alt'n. in grndmass.															
168.5	170.0	1.5	100	Dacite Fp. porph. Gry. brn. with ¼" euh. Fp. phenos. 5% Py after															
				mafics.															
170.0	186.0	16.0	97	Dacite agglom. Gry-grn. with occ. brn. clast. 5% Py. Num.															
				zeol. strgrs. & in grndmass.															

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-29

 SHEET NUMBER 3 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
186.0	189.0	3.0	100															
190.0	193.0	3.0	95															
193.0	194.5	1.5	90															
194.5	209.0	14.5	100															
209.0	227.0	18.0	90															
227.0	231.0	4.0	97															
231.0	246.0	15.0	97															

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-29

 SHEET NUMBER 4 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
246.0	249.5	3.5	100	Dacite, f.g., gry. with mod. cly. alt'n. 5% Py. Num. zeol. strgrs. Occ. Ep. porph. zone, 5-8" wide.													
249.5	250.4	0.9	100	Basaltic dyke @ 80°; Dk. grn-blk. Strgly. magnetic													
250.4	267.0	16.6	100	Dacite agglom. Gry. grndmass with dk. grn. andesite clasts to 6" dia. Occ. amph. porphs. in grndmass. 8-10% Py. blebs. Freq. zeol. strgrs. Minor epidote on frags.													
268.0	271.0	3.0	100	Dacite-andesite Bx. Gry-grn. with ang-subang. frags. of gry. dacite & dk. grn. andesite in gry. grndmass. Abnd't. gypsum 5% Py.													
271.0	273.8	2.8	100	Dacite Bx. Brn-pk with gry. grndmass. & gry-grn. pk. clasts to 2" dia. Grn. cly. alt'n. in grndmass.													
273.8	287.0	13.2	100	Andesite amph. porph. Dk. grn. 2-5% py. after mafics. Abnd't. zeol. strgrs.													
287.0	289.0	2.0	100	Andesite amph. porph. agglom. Dk. grn-gry with clasts of dacite & andesite in A.A.P. grndmass.													
289.0	296.5	7.5	100	Volc. agglom? Pk to grn. clasts to 2" dia. in zeolite cement. 5-10% Py. Uct @ 60° Lct? up to 25% zeolites.													
296.5	300.5	4.0	100	Andesite amph. porph. Dk. grn. 5% py with num. 1/4" zeol. strgrs. @ 5" intvls. @ 30°, 50°, criss crossing.													
300.5	301.3	0.8	100	Volc. agglom. Pk. to grn. as in unit 289-296.5' above.													
301.3	306.0	4.7	100	Andesite amph. porph. agglom. Dk. grn. with vrble comp. clasts. 5% Py. Num. zeol. strgrs., some offset by 1". Faults @ 26° @ 305-305.5' with slicks. @ 60°													
306.0	310.0	4.0	100	Andesite amph. porph. Dk. grn. 3% diss. Py. Wkly magnetic Num. zeol. strgrs. @ 30°, 60° mostly.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-29

 SHEET NUMBER 5 OF 6

W.P. 11/11

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
310.0	311.0	1.0	100	Andesite Fp. porph. dyke? @ 45° Lct. and 55° Uct. Dk. grn. with tan Fp. phenos.													
311.0	329.6	18.6	100	Andesite amph. porph. Dk. grn. 2% Py. Occ. massive patches 2-3" wide @ 1' intvls. Bx. zone @ 20° @ 319-319.6' cemented by zeol-calc-chl-py & minor epidote.													
329.6	335.0	4.4	100	Andesite Bx. cemented with gypsum-zeol. (65%), Uct @ ? , Lct @ 35°. Andesite & dacite clasts.													
335.0	340.0	5.0	100	Andesite amph. porph. Dk. grn. with 3-5% Py. Num. zeol. strgrs. & occ. gyps. strgrs. Wkly. magnetic.													
340.0	255.8	15.8	100	Andesite, dk. grn., f.g. with f.g. euh. amph. phenos., 2-3% Py. Num. zeol. strgrs. & gyps. strgrs. @ 30°, 45°, 60°. Occ. epidote strgr. Crushed mylonite zone @ 80° @ 350.5 to 350.8'.													
355.8	373.5	17.7	100	Dacite, f.g., gry. 8-10% Py. Occ. zeol., gyps. strgrs. Uct with andesite @ 45°. Occ. amph. porph. zone 6" wide @ 60° @ 2' intvls.													
373.5	384.0	10.5	100	Dacite agglom. Brn. clasts in f.g., gry. grndmass. 5-8% Py as blebs & strgrs.													
384.	396.0	12.0	100	Andesite, f.g. to m.g., Dk. grn. 3% py. Occ. amph. phenos. Num. gyps. strgrs. & gypsum vein @ 65° @ 386-386.5'													
396.0	401.0	5.0	5	Core tube mismatched, very poor recovery. Andesite pebbles recovered.													
	401.0			Foot of hole.													

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-30 LENGTH: 229'
 LOCATION: 48+00n; 5+90e DIP: -45°
 LATITUDE: DEPARTURE:
 ELEVATION: 5615' AZIMUTH: 130°
 HOLE STARTED: 79-08-19 HOLE COMPLETED: 79-08-20

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 2
 HOLE NUMBER: C79-30
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
						FROM	TO	WIDTH					RCVRY
0	70.0	70.0	0	Overburden. NW casing to 70'									
70.0	77.0	7.0	65	Fault gouge; att'd? Gry. pebbles of dacite with 80% clay.									
77.0	86.0	11.0	80	Dacite, f.g., gry. Crushed & rusty. Py. leached									
				Fault @ 10° @ 80-80.5' with cly. gouge									
				Frac. strg. @ 30°, 60°, 75°.									
86.0	96.0	10.0	65	Dacite, gry., f.g. Occ. Fp. phenos. Brkn. to <1½" pos. some rounded by grinding.									
96.0	110.0	14.0	70	Dacite, f.g., gry. Rusty frags. 2% Py., Ptly. leached.									
				Wkly. cly. altered.									
				Fault @ 27° @ 98 to 99.8' with cly. gouge									
110.0	125.0	15.0	97	Dacite, f.g., gry. with occ. qtz. eye. Rusty.									
				Frac. strg. @ 30°, 60°, 80°									
				Faults @ 25° @ 110' with 0.05' cly. gouge									
				@ 50° @ 112' with cly. gouge									
				@ 35° @ 114' with cly. gouge									
				@ 37° @ 115' with cly. gouge									
				@ 75° @ 116.5', 117.5'									
				@ 3° @ 122-125' with 0.1' cly. gouge									

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-30

SHEET NUMBER 2 OF 2 *initial*

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
125.0	130.0	5.0	95	Andesite, f.g., Dk. grn. Stgly. sheared & zeolitized @ 40°. Cut by frac. @ 30°, 60°, 70°.													
130.0	133.8	3.8	100	Andesite amph. porph. tuff. Dk. grn. 5% Py. Abnd't. zeol. strgrs. @ 40°, 60°. Fault @ 30° @ 133' with chl-cly. gouge													
133.8	164.0	30.2	95	Andesite. Crushed mixt. of chl & crumbley rock frags. (50% chl?) Fault @ ? att'd. poss. 0° to 5° possible intersecting fault @ 30°. Occ. solid pce. core @ 3' intvls.													
164.0	185.0	21.0	95	Dacite. Gry. crushed to cly. gouge & rock frags. 70% cly. Fault @ 0 to 5° with occ. fault @ 25° @ 3' intvls. making core extremely crumbley.													
185.0	189.0	4.0	95	Dacite, f.g., gry. with m.g. Fp. phenos. Very crumbley Faults @ 30° @ 186.5' with 0.2' cly. gouge @ 15° @ 187.4' with 0.1' cly. gouge													
189.0	229.0	40.0	100	Andesite, Dk. grn., f.g. Occ. amph. phenos. Vry. brkn. core 25% chl. Fault @ 27° @ 193' with 0.2' chl-cly gouge @ 15° & 30° @ 195 to 197' with chl. gouge @ 5° @ 2' intvls. meandering fault nearly parallel to core axis.													
	229.0			Foot of hole.													
				Note: Used - 22 Quik-Gel, 30 Cellex, 1 3 15/16" Tricone, 2 NW casing (10'), 1 NW casing shoe, 1 NQ core bit (worn out), 12 gal. Polydrill "325"													

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-30 LENGTH: 229'
 LOCATION: 48+00n; 5+90e DIP: -45°
 LATITUDE: 5615' DEPARTURE: 130°
 ELEVATION: 79-08-19 AZIMUTH: 79-08-20
 HOLE STARTED: 79-08-19 HOLE COMPLETED: 79-08-20

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-30
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
0	70.0	70.0	0	Overburden. NW casing to 70'														
70.0	77.0	7.0	65	Fault gouge; att'd? Gry. pebbles of dacite with 80% cly.														
77.0	86.0	11.0	80	Dacite, f.g., gry. Crushed & rusty. Py. leached. Fault @ 10° @ 80-80.5' with cly. gouge Frac. strg. @ 30°, 60°, 75°														
86.0	96.0	10.0	65	Dacite, gry., f.g. Occ. Fp. phenos. Brkn. to <1 1/2" pos. some rounded by grinding.														
96.0	110.0	14.0	70	Dacite, f.g., gry. Rusty frac. 2% Py., partly leached. Wkly. cly. altered. Fault @ 27° @ 98-99.8' with cly. gouge														
110.0	125.0	15.0	97	Dacite, f.g., gry. with occ. qtz. eye. Rusty. Frac. strg. @ 30°, 60°, 80° Faults @ 25° @ 110' with 0.05' cly. gouge @ 50° @ 112' with cly. gouge @ 35° @ 114' with cly. gouge @ 37° @ 115' with cly. gouge @ 75° @ 116.5', 117.5' @ 3° @ 122 to 125' with 0.1' cly. gouge														

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-30

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
125.0	130.0	5.0	95	Andesite, f.g. Dk. grn. Stgly. sheared & zeolitized @ 40°. Cut by fracs. @ 30°, 60°, 70°.														
130.0	133.8	3.8	100	Andesite amph. porph. tuff. Dk. grn. 5% Py. Abnd't. zeol. strgrs. @ 40°, 60°. Fault @ 30° @ 133' with chl-cly. gouge														
133.8	164.0	30.2	95	Andesite. Crushed mixt. of chl. & crumbly rock frags. (50% chl?) Fault @ ? att'd. poss. 0° to 5° possibly intersecting fault @ 30°. Occ. solid pce. core @ 3' intvls.														
164.0	185.0	21.0	95	Dacite. Gry. Crushed to cly. gouge & rock frags. 70% Cly. Fault @ 0° to 5° with occ. fault @ 25° @ 3' intvls. making core extremely crumbly.														
185.0	189.0	4.0	95	Dacite, f.g. gry. with occ. m.g. Fp. phenos. Very crumbly Faults @ 30° @ 186.5' with 0.2' cly. gouge @ 15° @ 187.4' with 0.1' cly-pebble gouge														
189.0	229.0	40.0	100	Andesite. Dk. grn. , f.g. Occ. amph. phenos. Very broken core. 25% chl. Fault @ 27° @ 193' with 0.2' chl-cly. gouge @ 15° & 30° @ 195-197' with chl-gouge @ 5° @ 2' intvls. meandering fault nearly parallel to core axis. Foot of hole.														

DIAMOND DRILL HOLE RECORD

Handwritten

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-31 LENGTH: 209'
 LOCATION: 48+00n; 5+90e DIP: -70°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5615' AZIMUTH: 130°
 HOLE STARTED: 79-08-20 HOLE COMPLETED: 79-08-20

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-31
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
0	80.0	80.0	0	Overburden, weathered bedrock. NW casing to 80'										
80.0	96.5	16.5	90	Dacite, f.g., gry. much cly. alt'n. Vry. crumbly core due to faulting. Leached of Py. Faults @ 60° @ 82' with 0.1' cly. gouge @ 75° @ 88.9' with 0.2' cly. gouge @ 8° @ 89-92' with gouge & occ. rx. frags.										
96.5	105.0	8.5	85	Andesite amph. porph. Dk. grn. -blk with num. pk. zeol. strgrs. Uct @ 85°. Partly crushed to chl-cly. @ 98-99' Faults @ 18° @ 101' with 0.1' cly. gouge @ 15° @ 102-104', crushed core frags.										
105.0	129.4	14.4	97	Andesite tuff. Dk. grn. Amydules with calcite. Pk & white zeols. in strgrs. & grndmass. Faults @ 35° with chl. gouge @ 108.5' @ 15° with chl. gouge @ 109-112' (very crumbly) @ 70° @ 1' intvls. from 111-129.4' with 0.05' to 0.1' cly-chl gouge.										
129.4	132.5	3.1	95	Dacite qtz. eye. Fp. porphyry. Tan-grey. 2% Py. Brkn. to <1" pces. Vrbly. cly. alt'd.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-31

 SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
132.5	144.5	12.0	97	Andesite amph. porph. Blk. to dk. grn. with criss crossing calc. strgrs. @ 28°, 32°.											
				Fault @ 26° @ 140.6' with 0.2' chl. gouge with slickensides @ 55°.											
144.5	149.0	4.5	90	Dacite (poss. silicf'd. andesite). Gry-brn with alt'd. mafics. Very brokn. core to <1" pces.											
				Fault @ 8° & 30° @ 145-149' with cly. gouge											
149.0	158.3	9.3	90	Andesite Fp. porph. Dk. grn. with euh. m.g. pk-tan Fp. phenos. Num. pk. zeol. strgrs. @ 30°, 50°, 3% py.	8261A		154.6	158.3	3.7	90	0.40	1.4	0.45	0.45	
				Fault @ 8° @ 149-158.3'; shattered core @ 80° @ 156' with 0.1' cly. gouge @ 30° @ 157' with 0.05' cly. gouge											
158.3	171.0	12.7	95	Qtz. vein, white-gry. with num. chl. bands & patches @ 32° @ 3" intvls. Occ. gry. band (argentite?), 3% Py, 5% open spaces.	8262A		158.3	159.5	1.2	95	0.11	1.8	0.10	1.25	
					8263A		159.5	164.5	5.0	95	0.14	9.8	0.15	7.68	
					8264A		164.5	171.0	6.5	95	0.05	2.4			
171.0	189.0	18.0	85	Dacite, f.g., gry. 2-5% Py. Very brkn. core. <1½" pces. Faults @ 45° @ 175' with 0.2' cly. gouge @ 40° @ 176-179' with 0.1' cly. gouge @ 6" intvls. @ 39° @ 186-189' @ 8" intvls. minor cly. gouge	8265A		171.0	174.0	3.0	85	0.01	0.3			
189.0	197.0	8.0	95	Dacite tuff, gry.-grn with occ. chl. patches after mafics 5-8% Py. Very brkn. core, crumbles to <1" pces. Fault @ 10° @ 190-191' with 0.2' cly. gouge @ 30° @ 196' with 0.05' cly. gouge											
197.0	209.0	12.0	95	Dacite tuff. Grn-brn. with 5-8% Py. Brn., grn., gry., clasts of dacite & andesite. Very brkn core, <2". Occ. zeol. strgrs.											

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-32 LENGTH: 200'
 LOCATION: 47+50n; 6+20e DIP: -45°
 LATITUDE: DEPARTURE:
 ELEVATION: 5609' AZIMUTH: 130°
 HOLE STARTED: 79-08-20 HOLE COMPLETED: 79-08-21

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 2
 HOLE NUMBER: C79-32
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE							
							FROM	TO	WIDTH	RCVRY				
0	110.0	110.0	0	Overburden & weathered bedrock. NW casing to 110'										
110.0	121.0	11.0	85	Dacite Qtz. eye porph. (QFP) Gry.-white with rusty patches. Vrbly. cly. alt'd. Fracs. @ 50°/10, 30°/5, Fault @ 31° @ 109' with 0.05' cly. gouge @ 80° @ 115.5' to 116' @ 5° @ 117' with cly. gouge. Very crumbly core										
121.0	148.0	27.0	97	Dacite Qtz. eye. porph. Gry-white, f.g., Rusty frags. 2% Py, mostly leached. Faults @ 77° @ 119' with 0.05' cly. gouge @ 80° @ 126.5' to 127' @ 80° @ 130' with 1.4' cly. gouge @ 60° @ 143' with 0.2' cly. gouge @ 50° @ 147.5' with 0.2' cly. gouge @ 45° @ 147.8' with 0.1' cly. gouge										
148.0	156.0	6.0	10	Dacite, f.g., gry. Rounded pebbles. Fault?										
156.0	159.5	3.5	100	Basalt dyke. Blk. f.g. with pk. zeol. amygdules & frac. fillings.										
159.5	168.0	8.5	97	Andesite, f.g., dk. grn. to blk. Sheared & zeolitized @ 50°										

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-32

SHEET NUMBER 2 OF 2

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
				Much chl-zeol-calc (40%).														
				Faults @ 70° @ 160' with 0.5' crushed core & chl gouge														
				@ 50° @ 168' with 0.1' chl. gouge														
				@ 70° @ 164.8 & 165' with chl. gouge														
168.0	183.0	15.0	95	Andesite tuff. Dk. to lt. grn. Clasts of gry-grn dacite & grn. andesite. 5% Py. Abnd't. pk. zeol. & calc. strgrs. Crumbley core.														
				Fault @ 15° @ 171' to 183'; crushed core														
				@ 50° @ 178' with minor gouge														
183.0	191.0	8.0	95	Dacite, f.g., lt. grn. with 3-5% Py. Occ. mafics. Occ. zeol. strgrs.														
				Fault @ 50° @ 186.4' with 0.1' cly. gouge														
				@ 50° @ 189.2' with 0.3' cly. gouge														
				@ 20° @ 191.4' with slicks. @ 80°														
191.0	200.0	9.0	97	Andesite amph. porph. Dk. grn. m.g. mafics. 2-3% Py. Wkly. magnetic. Core brkn. to <2" pces.														
				Fault @ 20° @ 194' with slicks. @ 30°														
	200.0			Foot of hole.														

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-33 LENGTH: 229'
 LOCATION: 47+50n; 6+20e DIP: -70°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5609' AZIMUTH: 130'
 HOLE STARTED: 79-08-21 HOLE COMPLETED: 79-08-22

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 2
 HOLE NUMBER: C79-33
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag		
							FROM	TO	WIDTH				
0	60.0	60.0	0	Overburden & weathered bedrock. NW casing to 60'									
60.0	62.0	2.0	50	Quartz eye feldspar porphyry (QFP) f.g. with euh. qtz. eyes. Rusty frags. Py. leached.									
62.0	80.0	18.0	95	Q.F.P. Gry. m.g.-f.g. Rusty frags. @ 20°, 35°, 50°, 80° Fault @ 35° @ 71' with 0.05' cly. gouge.									
80.0	85.0	5.0	98	Q.F.P., same as unit in 62-80' above.									
85.0	90.0	5.0	10	Q.F.P. gry-tan. Rusty. Brkn. to <4" pces.									
90.0	98.0	8.0	10	Q.F.P. m.g., gry-tan. 1% Py. Very brkn. core <2" pces.									
98.0	118.0	20.0	0	No core recovered. Drill rods dropped several feet without resistance.									
118.0	121.0	3.0	5	Q.F.P. gry.-tan. Pebbles & clay only.									
121.0	129.0	8.0	5	No core recovered. Same conditions as 98' to 118'									
129.0	133.5	4.5	5	Q.F.P. frags. with qtz. pebbles. 2% Py. in Q.F.P. Poss. vn. intercept.	8268A		129.0	133.5	4.5	5	0.02	4.8	
133.5	135.2	1.7	5	Q.F.P. crushed to <¼" pces. & qtz sand. Poss. vein	8269A		133.5	135.2	1.7	5	0.02	1.9	
135.2	140.0	4.8	90	Q.F.P. m.g. with euh. qtz. eyes. 1% diss. Pyrite Fault @ 45° @ 138' with zeol. gouge									

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-33

SHEET NUMBER 2 OF 2

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY				
140.0	150.0	10.0	85	Q.F.P. Dacite, m.g. gry-tan. Mushy core with 50% clay.										
				Fault @ 8° @ 140-145'										
150.0	157.0	7.0	90	Dacite, f.g., gry-grn. 3% Py. Abnd't. zeol. strgrs. Brkn. to <2" pces. @ 5°, 30°, 60°, 80°.										
157.0	171.0	14.0	97	Andesite amph. porph. tuff. Dk. grn. with 2% Py. Abnd't. zeol. strgrs. @ steep X s. Brkn. to <6" pces.										
				Fault @ 5° @ 169' with slicks. @ 80°.										
171.0	175.0	4.0	25	Andesite amph. porph. as above: in 157-171'										
175.0	179.0	4.0	95	Andesite amph. porph. Dk. grn. 2% Py. Chl-py on fracs.										
179.0	185.0	6.0	60	Andesite amph. porph. with much chl. gouge										
				Fault @ 15° & 30°										
185.0	204.0	19.0	95	Andesite amph. porph. Dk. grn. 3% Py. Abnd't. chl. on fracs.										
				Num. zeol. strgrs.										
				Fault @ 45° @ 188.5 to 189.5'										
				@ 40° & 15° @ 197' with 0.5' cly. gouge										
204.0	229.0	25	100	Andesite amph. porph. Dk. grn. with num. ¼" zeol. strgrs. @ various angles. Crumbly core.										
				Fault @ 30° @ 218' with 0.1' cly. gouge										
				@ 10° @ 225-229' cly-chl gouge										
	229.0			Foot of hole.										

DIAMOND DRILL HOLE RECORD

H. D. Wood

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-34 LENGTH: 218.5'
 LOCATION: 47+00n; 5+45e DIP: -55°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5631.7' AZIMUTH: 130°
 HOLE STARTED: 79-08-22 HOLE COMPLETED: 79-08-23

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 2
 HOLE NUMBER: C79-34
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02
 CORE SIZE: _____
 % CORE RECOVERY: NQ
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE											
							FROM	TO	WIDTH	RCVRY								
0	30.0	30.0	0	Overburden, & weathered bedrock. NW casing to 30'.														
30.0	31.0	1.0	0	Caved material, syenite & limestone, boulders.														
31.0	33.0	2.0	100	Q.F.P. white-yellow. M.g. with rusty frags.														
				Fault @ 25° @ 32' with 0.05' cly. gouge														
33.0	48.0	15.0	97	Dacite, f.g., gry-grn. 3-5% Py. Brkn. to <2" pces.														
48.0	49.0	1.0	0	No core recovered?														
49.0	55.0	6.0	25	Clay fault gouge. att'd. of fault?														
55.0	64.5	9.5	97	Dacite, f.g., gry-grn. 3% Py. Rusty frags. Occ. zeol. strgrs. mostly leached.														
64.5	72.0	7.5	97	Q.F.P. white, rusty with some cly. alt'n. Fault @ 32° @ 69.4' with cly. gouge @ 18° @ 71' with 0.05' cly. gouge														
72.0	83.0	11.0	100	Q.F.P. with v.f.g. grndmass. & c.g. qtz-eyes. Gry-grn. with rusty frags. Fault @ 85° @ 75.5'														
83.0	100.0	17.0	100	Q.F.P., Pk-gry., 1-2% diss. Py. C.g. qtz. eyes Fault @ 45° @ 83.4 to 83.5' with cly. gouge Core brkn. to <5" pces.														

DIAMOND DRILL HOLE RECORD

Handwritten: 1/10/02

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-35 LENGTH: 160'
 LOCATION: 46+50n; 6+00e DIP: -55°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5626' AZIMUTH: 130°
 HOLE STARTED: 79-08-23 HOLE COMPLETED: 79-08-23

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 2
 HOLE NUMBER: C79-35
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: _____
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
							FROM	TO	WIDTH	RCVRY					
0	50.0	50.0	0	Overburden & weathered bedrock. NW casing to 50'											
50.0	54.0	4.0	20	Dacite Fp. porph. Gry. 2% Py.											
54.0	118.5	64.5	100	Quartz feldspar porphyry. Gry-tan with 2% diss. Py. Wkly clay alt'd.											
				Faults @ 70° @ 57' with 0.2' cly. gouge											
				@ 70° @ 68' with 0.2' cly. gouge											
				@ 70° @ 70.5' with 0.5' cly. gouge											
				@ 72° @ 90.1' with 0.05' cly. gouge											
				@ 40° @ 85' with 0.05' cly. gouge	8278A		110.0	115.0	5.0	100	<0.01	<0.1			
				@ 40° @ 93' with 0.1' cly. gouge											
				@ 60° @ 108' with 0.6' cly. gouge	8277A		115.0	118.5	2.5	100	<0.01	0.1			
				@ 50° @ 110.3' with 0.5' cly. gouge											
				@ 34° @ 118' with 0.5' cly. gouge											
118.5	121.0	2.5	97	Dacite, f.g., gry-grn. Poss. silicf'd. Q.F.P. remnant Fp. phenos. 3% Py.	8274A		118.5	121.0	2.5	97	2.30	4.0			
121.0	124.0	3.0	100	Qtz. Vn. White with occ. gry. patch. Some chl. ribbons, 5% vugs. Occ. 2" volc. frags. Tr. Py. Uct @ 60°.	8275A		121.0	124.0	3.0	100	0.48	2.5			

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-35 LENGTH: 456'
 LOCATION: 54+00n; 6+20e DIP: -75°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: 5754' AZIMUTH: 130°
 HOLE STARTED: 79-08-23 HOLE COMPLETED: 79-08-25

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-36
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02-16
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE										
							FROM	TO	WIDTH	RCVRY							
0	20.0	20.0	0	Overburden & weathered rock. NW casing to 20'													
20.0	70.0	50.0	100	Quartz feldspar porphyry (Q.F.P.) tan-grey, med. to c.g. qtz. eyes with m.g. Fp. phenos. 2% Py. Brkn. to 3" pces. Occ. rusty frags. to 47'. Faults @ 27° @ 2.5' with 0.05' cly. gouge Frags. strg. @ 5°, 27°, 48°, 85°.													
70.0	107.5	37.5	100	Q.F.P., Gry. with white Fps. 1-3% diss. Py. Occ. pk. 1" Fp. phenos. @ 5' intvls.													
107.5	109.0	1.5	100	Dacite Fp. porph. C.g. tan Fps. in f.g. gry. grndmass. Uct @ 60°. Poss. dyke.													
109.0	117.5	8.5	100	Q.F.P., gry. m.g. qtz. eyes., f.g. Fp. phenos. Very brittle rock. Brkn. to <8" pces. Occ. 1/8" qtz. vnlt. @ 40°, 60° @ 2' intvls.													
117.5	133.0	15.5	100	Andesite amph. porph. Dk. grn. 8-10% Py. patches & dissems. Calc as strgrs. & in grndmass. Fault @ 51° @ 132.6' with 0.1' chl gouge													
133.0	133.5	0.5	100	Syenite dyke pp-blk. mottled. Uct @ 70°, Lct @ 62°													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-36

 SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE						
							FROM	TO	WIDTH				
133.5	138.0	4.5	100	Andesite amph. porph. tuff. Dk. grn. with clasts of andesite & dacite. 5% Py. Abnd't. calc. strgrs.									
138.0	151.5	18.5	100	Andesite amph. porph. tuff. Dk. grn. with variable andesitic-dacitic clasts. Fault @ 30° @ 146' with chl. slicks. @ 20°									
151.0	155.8	4.3	100	Dacite bx. Gry. with pk. Q.F.P. bx. frags. to 1" dia. 10% Py. Uct @ 32°. Lct?									
155.8	162.0	6.2	97	Andesite amph. porph. tuff. Dk. grn. with lt. grn. tuff clasts. 5-8% Py. Calc. @ strgrs. & altn. of grndmass.									
162.0	171.0	9.0	100	Andesite amph. porph. Dk. grn. m.g. amphiboles, 5% diss. Py. Abnd't. chl. on frags.									
171.0	179.5	8.5	100	Andesite agglom. Dk. grn. amph. porph. grndmass. with brn-grn. clasts of dacite. 3-5% Py.									
179.5	230.5	21.0	to 97	Dacite Fp. porph. Pk.-gry. with 3% Py. Brkn. to <3" pces. Fault @ 60° @ 194-196' with cly-pebble gouge. @ 60° @ 201' with 0.03' cly. gouge @ ? att'd. @ 226-227'; very crumbly core									
230.5	246.0	15.5	100	Andesite amph. porph. agglom. Dk. grn. with brn dacite clasts to 2" dia. Very fract'd. core. Faults @ 20° @ 232' with 0.1' chl-gouge @ 30° @ 238.7' with slicks. @ 85° @ 30° @ 244' with 0.2' cly-chl-gouge									
246.0	252.0	6.0	100	Dacite agglom. Gry-grn. Clasts of dacite & various andesites. Fault @ ? att'd. @ 252', crushed core									
252.0	254.0	2.0	95	Dacite, f.g., gry., 5% diss. Py.									

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-36

 SHEET NUMBER 3 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
254.0	259.0	5.0	0	No core recovered. Fault zone, core washed away.										
259.0	263.0	4.0	50	Fault gouge. Poss. dacitic comp. Att'd?										
263.0	271.0	8.0	97	Dacite tuff, gry. with brn patches. 5% Py. Occ. 1/8" Qtz. strgrs. @ 2" intvls. @ 35°.										
				Fault @ 266' with 0.05' cly. gouge										
271.0	276.0	5.0	100	Dacite amph. porph. tuff. Gry. with c.g. euh. amphiboles. 5% diss. Py.										
				Fault @ 25° @ 273' with 0.05' cly. gouge										
276.0	320.0	44.0	90	Dacite, f.g., gry. 3-5% Py. Brkn. to 5" pces. Core tube mismatched @ 280.5' to 284' (no core).										
				Fault @ 35° @ 303.5' with 0.1' cly. gouge										
320.0	330.0	10.0	100	Dacite, f.g., brn-grn. with occ. grn. andesite bands, 8-15" wide @ 3' intvls. 8-10% Py.										
330.0	358.5	28.5	100	Andesite amph. porph. agglom. Dk. grn. with clasts of massive andesite & dacite. 3-5% Py. Gyps. strgrs. com. Occ. calc. alt'n. in grndmass.	8279A		348.0	348.5	0.5	100	0.02	<0.1		
				Fault @ 28° @ 341' with 0.05' chl. gouge @ 22° @ 346.4' with slicks. @ 70°										
358.5	362.5	4.0	100	Dacite agglom., brn-grn. with dacite clasts to 3" dia. 5% Py. Num. gyps. strgrs.										
362.5	372.0	9.5	100	Andesite, dk. grn., massive. Wkly. magnetic. 5% Py. Freq. pk. zeol. strgrs. Abnd't. gyps. strgrs.										

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-36

 SHEET NUMBER 4 OF 4

FOOTAGE				DESCRIPTION	SAMPLE NUMBER	% SULFIDES	FOOTAGE				ASSAYS				
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	Au	Ag			
372.0	394.0	22.0	100				Dacite agglom. Brn-grn. clasts in grn. grndmass. 8-10% Py. Occ. 2" gyps. strgr. @ 3' intvl. Freq. 1/4" py. strgrs. Qtz. vn. @ 54° @ 384 to 384.6' with 2% Py.	8280A		384.0	384.6	0.6	100	0.06	<0.1
394.0	396.2	2.2	100	Dacite, f.g., gry. with 5% diss. py. Freq. 1/8" py. strgrs. & gyps. str-rs. 1" Qtz. vn. @ 45° @ 395.5' with py. cubes.											
396.2	419.5	23.3	100	Dacite agglom. Brn-grn. with 2" dacite clasts. 3-5% Py. Num. gyps. filled fracs. Qtz. vn @ 60° @ 417.5' to 419.5' white with 3% Py.	8281A		417.5	419.5	2.0	100	<0.01	<0.1			
419.5	420.8	1.3	100	Dacite agglom. Brn. with freq. 1/4" Qtz. strgrs., 5% Py., Gyss. strgrs. @ 1" intvls.	8282A		419.5	420.8	1.3	100	<0.01	<0.1			
420.8	422.0	1.2	100	Qtz. Vn. @ 70° with 35% dacite frags. 3% Py. Some f.g. gry. flecks.	8283A		420.8	422.0	1.2	100	0.02	<0.1			
422.0	427.5	5.5	100	Dacite agglom. Grn-brn. with freq. 1/4" Qtz. strgrs. @ 8" intvls. 5% diss. Py.	8284A		422.0	427.5	5.5	100	0.01	<0.1			
427.5	432.0	4.5	100	Qtz. Vn. Gry.-white with Bxt'd. texture 5% Py., 3% open spaces.	8285A		427.5	432.0	4.5	100	<0.01	<0.1			
432.0	436.0	4.0	100	Dacite agglom. Brn. with num. amph. phenos. 5-8% Py. Freq. Qtz. strgrs. 1/4" wide.	8286A		432.0	436.0	4.0	100	<0.01	<0.1			
436.0	456.0	20.0	100	Dacite agglom. with freq. Qtz. strgrs. 1/4" wide, 5% Py. Brn. clasts of dacite.	8287A		436.0	439.0	3.0	100	<0.01	<0.1			
	456.0			Foot of hole.	8288A		439.0	442.5	3.5	100	<0.01	<0.1			
					8289A		442.5	447.1	4.6	100	<0.01	<0.1			

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-37 LENGTH: 121'
 LOCATION: 55+00n; 9+35e DIP: -55°
 LATITUDE: _____ DEPARTURE: _____
 ELEVATION: Approx. 5675' AZIMUTH: 130°
 HOLE STARTED: 79-08-25 HOLE COMPLETED: 79-08-26

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3
 HOLE NUMBER: C79-37
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02
 CORE SIZE: NQ
 % CORE RECOVERY: _____
 LOGGED BY: T. Drown

FOOTAGE						DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO	WIDTH	RCVRY	RQD	TOT. FRACS.		NUMBER	% SULFIDES	FOOTAGE				Au	Ag			
									FROM	TO	WIDTH	RCVRY					
0	17.0	17.0	0	-	-	Overburden. NW casing to 17 feet.											
17.0	21.0	4.0	40	8	12	Dacite tuff. Gry-grn. with 50% Qtz. cement with Qtz. vn. starting @ 20'.	8290A		17.0	21.0	4.0	40	0.03	2.3			
21.0	25.0	4.0	20	0	?	Qtz. vn. (started @ 20') Rusty on frags. Minor grey flecks. 5% open spaces. Very ground up core.	8291A		21.0	25.0	4.0	20	0.72	21.0			
25.0	30.0	5.0	55	19	22	Qtz. vein. White with occ. grey patch. Rusty on frags. Tr. py.	8292A		25.0	30.0	5.0	55	0.30	15.5			
30.0	35.3	3.3	90	23	27	Dacite, Gry-grn. with cly. alt'n. Soft core. 3% Py. Fracs. rusty to 32', then fresh.	8293A		30.0	35.3	5.3	90	0.02	0.3			
35.3	40.5	5.2	97	42	14	Dacite tuff. Grn. with 20% cly. alt'n. Soft core. Occ. rusty frags. (<10%).											
40.5	45.8	5.3	95	48	17	Dacite tuff, same as 35.3 to 40.5' above											
45.8	48.5	2.7	20	0	7	Dacite, f.g., gry-grn. 2-3% Py. Occ. rusty frac. surfaces. (<10%).											
48.5	53.5	5.0	95	17	38	Dacite as above.											
53.5	58.0	4.5	40	0	20	Dacite as above - Fault @ 20° with gouge											

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-37

 SHEET NUMBER 2 OF 3

FOOTAGE							DESCRIPTION	SAMPLE					ASSAYS					
FROM	TO	WIDTH	RCVRY	RQD	TOT. FRACS.	NUMBER		% SULFIDES	FOOTAGE									
									FROM	TO	WIDTH					RCVRY		
58.0	62.2	4.2	95	22	22													
62.2	67.5	5.3	97	27	55													
67.5	72.8	5.3	97	29	40													
72.8	77.6	4.8	100	15	42													
77.6	82.5	5.1	100	27	23													
82.5	85.0	2.5	65	0	15?													
85.0	90.2	5.2	100	28	42													
90.2	93.8	3.6	100	5	25													
93.8	99.0	6.2	100	30	31													
99.0	102.0	3.0	90	14	22													
102.0	107.2	5.2	50	0	25													
107.2	112.2	5.0	60	0	35													
112.2	117.0	4.8	97	17	40													

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-37

SHEET NUMBER 3 OF 3

FOOTAGE						DESCRIPTION	SAMPLE					ASSAYS						
FROM	TO	WIDTH	RCVRY	RQD	TOT. FRACS.		NUMBER	% SULFIDES	FOOTAGE									
									FROM	TO	WIDTH	RCVRY						
117.0	119.0	2.0	90	4	20													
119.0	121.0	2.0	97	10	18													
	121.0																	

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited

HOLE NUMBER: C79-38 LENGTH: 220'

LOCATION: 54+50n; 9+60e DIP: -60°

LATITUDE: DEPARTURE:

ELEVATION: Approx. 5665' AZIMUTH: 310°

HOLE STARTED: 79-08-26 HOLE COMPLETED: 79-08-27

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 3

HOLE NUMBER: C79-38

PROPERTY: Chappelle

ACCOUNT No.: 301-02

CORE SIZE: NQ

% CORE RECOVERY: _____

LOGGED BY: T. Drown

FOOTAGE						DESCRIPTION	SAMPLE				ASSAYS								
FROM	TO	WIDTH	RCVRY	RQD	% OF FRACS.		NUMBER	% SULFIDES	FOOTAGE										
									FROM	TO	WIDTH	RCVRY							
0	50.0	50.0	0	-	-	Overburden & weathered bedrock, NW casing to 50'.													
50.0	52.0	2.0	75	0	-	Andesite amphibole porphyry (A.A.P.)													
52.0	54.5	2.5	80	0	-	3-5% diss. Py. Very brkn. core. Rusty													
54.5	58.0	3.5	25	5	-	frac. surfaces to 58'													
58.0	60.5	1.5	90	0	-														
60.5	65.0	4.5	60	0	-														
65.0	70.0	5.0	95	9	-	Fault gouge from 68-70' @ 10°													
70.0	75.0	5.0	65	15	25	Andesite amph. porph. tuff. Lt. grn. fault @ 15°, 72-73'; crumbly core. Much secondary chlorite													
75.0	80.0	5.0	100	27	27	Dacite Fp. porph. m.g. Fps. in f.g. gry. grndmass. 3-5% diss. Py. Occ. patch. of cly. gouge													
80.0	84.5	4.5	75	9	24	Fault att'ds?													
84.5	89.5	5.0	65	21	22	Occ. zeol. strgrs.													
89.5	94.5	5.0	70	6	27														
94.5	99.8	5.3	95	31	34	Dacite, f.g., gry-grn. with occ. zeol. strgr. 3-5% diss. Py. frac. surfaces fresh.													

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-38

 SHEET NUMBER 2 OF 3
Handwritten mark

FOOTAGE							DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY	RQD	TOT. FRACS	NUMBER		% SULFIDES	FOOTAGE							
									FROM	TO	WIDTH	RCVRY				
99.8	102.5	2.7	95	4	25	Andesite amph. porph. Dk. grn. 2-3% Py. Freq. zeol-calc. strgrs. Occ. pk. dacite clast. Faulting @ 50° @ 99.9-100.1'										
						@ 30° @ 112-113'										
102.5	107.0	4.5	85	4	20											
107.0	111.3	4.3	100	10	32											
111.3	116.5	5.2	100	12.5	18											
116.5	120.8	4.3	95	5	40	Andesite, amph. porph. Dk. grn. with occ. zeol. strgrs. Wkly. magnetic. 2% v.f.g. Py.										
120.8	126.0	5.2	95	8	42	Andesite amph. porph. tuff. Dk. grn with occ. epidote strgrs. & pk. zeols. to 1/8" wide.										
126.0	131.2	5.2	20	0	?	Very brkn. core										
131.2	135.5	4.4	90	0	35	Faults @ 30° @ 130'										
135.5	139.8	4.3	97	4	34	@ 40° @ 136'										
139.8	145.0	5.2	95	23	40											
145.0	148.5	3.5	100	9	26	Andesite amph. porph. Dk. grn. 2-3% Py. Occ. calc. strgrs. & grndmass. alt'n.										
148.5	151.5	3.0	100	4	25											
151.5	156.5	5.0	100	13	45	Andesite tuff. Med. grn. with brn-tan										
156.5	160.0	3.5	97	0	40	clasts to 1" dia. 3% Py. vrble in clasts Occ. epidote & hematite stain										
160.0	165.0	5.0	100	8	48	Andesite, dk. grn., massive. 2% Py.										
165.0	170.0	5.0	50	4	21	Dacite tuff-agglom. Lt. grn. with pk-lt grn.										
170.0	172.0	2.0	50	0	-?	clasts of dacite. 3-5% Py. Occ. zeol. strgrs. Fault @ 5° @ 169-172'										
172.0	177.0	5.0	100	4	35	Andesite tuff, Med-dk. grn.										

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: C79-38

SHEET NUMBER 3 OF 3

FOOTAGE						DESCRIPTION	SAMPLE					ASSAYS						
FROM	TO	WIDTH	RCVRY	RQD	TOT. FRACS.		NUMBER	% SULFIDES	FOOTAGE									
									FROM	TO	WIDTH					RCVRY		
						Faults @ 50° @ 175' with cly. gouge												
177.0	180.0	3.0	97	11	22	Same as 172-177 above.												
180.0	184.2	4.2	85	13	33	Andesite amph. porph. tuff. dk. grn.												
184.2	189.5	5.3	100	27	31	with 3-5% diss. Py. Occ. zeol.-calc. strgrs. & patches in grndmass.												
189.5	194.5	5.0	100	14	45	Fault @ 60° @ 197-199.5' with cly. gouge												
194.5	199.5	5.0	85	0	30	Much chlorite in grndmass.												
199.5	204.8	5.3	100	0	55													
204.8	209.0	4.2	100	13	24	Tuff to 210' (as above)												
209.0	213.0	4.0	90	8	23													
213.0	216.5	3.5	100	14	34	Andesite amph. porph. Dk. grn. 3% Py.												
216.5	220.0	3.5	60	0	10	freq. calc-zeol. strgrs.												
						Fault @ 60° @ 212-213' with chl. gouge												
	220.0					Foot of hole.												
						Piezometer test to 220'												

DIAMOND DRILL HOLE RECORD

DRILLED BY: J.T. Thomas Diamond Drilling Limited
 HOLE NUMBER: C79-39 LENGTH: 263'
 LOCATION: 52+25a; 9+40e DIP: -45°
 LATITUDE: 5620' (approx.) DEPARTURE:
 ELEVATION: 79-08-27 AZIMUTH: 320°
 HOLE STARTED: 79-08-27 HOLE COMPLETED: 79-08-28

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

SHEET No. 1 OF: 4
 HOLE NUMBER: C79-39
 PROPERTY: Chappelle
 ACCOUNT No.: 301-02
 CORE SIZE: NQ
 % CORE RECOVERY:
 LOGGED BY: T. Drown

FOOTAGE						DESCRIPTION	SAMPLE					ASSAYS				
FROM	TO	WIDTH	RCVRY	RQD	TOT. FRACS.		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY				
0	10.0	10.0	0	-	-	Overburden & weathered bedrock. NW casing to 10'										
10.0	15.0	5.0	55	14	25	Andesite amph. porph. Dk. grn. Occ. epidote										
15.0	20.0	5.0	80	27	20	strgrs. Freq. zeol. strgrs. 2% v.f.g. Py.										
20.0	22.5	2.5	90	4	20	Fault @ 30° @ 22'										
22.5	25.0	2.5	90	0	20	"										
25.0	30.0	5.0	100	4	52	"										
30.0	35.0	5.0	100	12	51	"										
35.0	40.0	5.0	95	16	43	"										
40.0	45.0	5.0	100	27.5	24	Andesite agglom. with Qtz. cement 10% Qtz. to 44', 3% Py. pk.-grn. clasts.										
45.0	50.0	5.0	100	0	55	Andesite amphibole porphyry. Dk. grn. with pk. zeol. strgrs. common.										
50.0	54.0	4.0	95	14	30	Fault @ 70° @ 45.5' with 0.3' cly. gouge										
54.0	59.0	5.0	100	14	57	@ 5° with slicks. @ 65° @ 59'										
59.0	64.0	5.0	100	8	43	Andesite tuff, lt-dk. grn. 3% Py.										
64.0	69.0	5.0	100	17	38	Freq. epidote & zeol. strgrs.										
69.0	74.0	5.0	100	28	34	Dacite, f.g., tan-grn. Ep. & zeol. strgrs.										
74.0	79.0	5.0	100	8	50											

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-39

 SHEET NUMBER 2 OF 4

FOOTAGE				RQD	TOT. FRACS.	DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY				NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY		
						2-3% diss. Py. 6" qtz. vn. @ 60° @ 73'								
79.0	84.0	5.0	100	9	50	Andesite tuff, lt-dk. grn. 3% Py. Very fractured core.								
84.0	89.0	5.0	100	0	64	Andesite amph. porph. Dk. grn. 3-5% Py.								
89.0	94.0	5.0	100	16	41	Chlorite & py. on most frags.								
						Dacite @ 92' to 93.5' with zeols. strgrs.								
94.0	99.2	5.2	100	5	50	Dacite as in 92 to 93.5'; Gry.-grn. f.g.								
99.2	104.6	5.4	100	0	30+	Andesite amphibole porphyry. Dk. grn.								
104.6	109.8	4.2	100	5	62	Tr. diss. py. Wkly. magnetic								
109.8	114.5	4.7	97	0	38	as unit in 99.2 to 104.6'								
114.5	119.5	5.0	100	10	47	" " " "								
119.5	123.0	3.5	100	0	44	" " " "								
123.0	126.0	3.0	100	0	45	" " " "								
126.0	127.0	1.0	85	0	15	Andesite tuff. Dk. grn. with brn. dacite clasts and grn. andesite Fp. porph. 3% Py.								
127.0	131.0	4.0	100	0	44	Same as 126-127'								
131.0	135.0	4.0	50	0	25	Dacite, gry-grn., f.g., clay alt'n. of Fps. Much py on frags. 5% diss. py.								
135.0	136.5	1.5	75	0	20	Andesite amph. porph. tuff. Dk. grn. with dacite & andesite clasts.								
136.5	140.0	3.5	85	45	25									
140.0	144.0	4.0	100	4	57	Fault @ 15° @ 147.5' with some gouge								
144.0	147.5	3.5	75	5	29									
147.5	151.2	3.7	100	0	24	Fault @ ? att'd. @ 153.4' to 153.6'								
153.5	158.5	5.0	100	16	44									
158.5	162.5	4.0	90	0	32	Fault @ 34° @ 162' with 0.5' chl. gouge								

DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: C79-39

 SHEET NUMBER 3 OF 4
Handwritten initials

FOOTAGE				RQD	TOT. FRACS.	DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY				NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag	
162.5	166.5	4.0	100	4	46	Andesite amphibole porphyry. Dk. grn.									
166.5	169.8	3.3	100	0	32	with lt. grn patches (poss. tuff). Abnd't.									
169.8	173.0	3.2	62	0	20	calc. strgrs. & grndmass. alt'n.									
173.0	176.5	3.5	100	4	33	Lost water circulation @162'									
176.5	181.5	5.0	100	11	33	Andesite. Dk. grn. f.g. Wkly. magnetic									
181.5	186.2	4.7	100	0	49	1-2% Py. Occ. calc. strgrs. Freq. zeols.									
186.2	188.0	1.8	90	0	22	Fault @ 27° @ 177'									
188.0	190.0	2.0	95	0	25	Andesite amphibole porphyry. Dk. grn. with									
190.0	194.0	4.0	70	0	40	Occ. 8" massive zones. Freq. zeol. strgrs.									
194.0	197.0	3.0	100	0	37	1% diss. Py. Py-chl on most fracs.									
197.0	200.5	3.5	95	0	42	Faults @ 35° @ 189.6'									
200.5	204.0	3.5	75	0	30	@ ? att'd. @ 196-197'									
204.0	207.0	3.0	100	0	37										
207.0	210.0	3.0	95	0	25										
210.0	215.0	5.0	95	0	52										
215.0	217.0	2.0	100	0	30										
217.0	219.0	2.0	95	0		too broken to tell									
219.0	223.5	4.5	100	0	42	Dacite, f.g., gry-grn. 3-5% Py. Occ. pk. zeols.									
						Minor clay alt'n. on fractures.									
223.5	227.0	3.5	100	0	34	Andesite, amph. porph. Dk. grn.									
227.0	231.0	4.0	100	0	40	1-2% Py. Wkly. magnetic									
231.0	236.0	5.0	100	15	37										
236.0	241.0	5.0	95	9.5	28	Qtz. vn. @ 238' to 244'; white with chl patches	8294A	238.0	241.0	3.0	95	0.02	<0.01		
241.0	246.0	5.0	100	35	22	Occ. gry. patch. 10% vugs with euh. qtz.	8295A	241.0	244.0	3.0	100	<0.01	<0.1		
						phenos (one to 1/2" long)	8296A	244.0	246.5	2.5	100	<0.01	0.1		

ITEMIZED COST STATEMENT

1.	<u>Drilling Costs</u> - J.T. Thomas Diamond Drilling	\$198 893
2.	<u>Flying Costs</u> - Yellow Bird Air Southern Frontier Smithers Air Service Highland Helicopters Knight Air	13 748
3.	<u>Assays</u> , Au, Ag, 250 x \$8.50 ea	2 125
4.	<u>Tractor rental</u> - 2 hrs/day x 50 days x \$25/day	2 500
5.	<u>Fuel consumed</u> - 45 gal/day x \$2.50 gal x 50 days	5 625
6.	<u>Supervision</u> - T. Drown, 50 days July 9-Sept 3 @ \$72.06	3 603
	- K.A. MacLean, 25 days July 9-23 (half days) @ \$140.00	3 500
7.	<u>Camp Costs</u> - 6 men x \$25 day x 50 days	<u>7 500</u>
		<u>\$237 494</u>

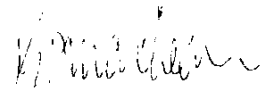
Cost per foot = \$25.00, per meter = \$78.75

STATEMENT OF QUALIFICATIONS

KEITH A. MACLEAN

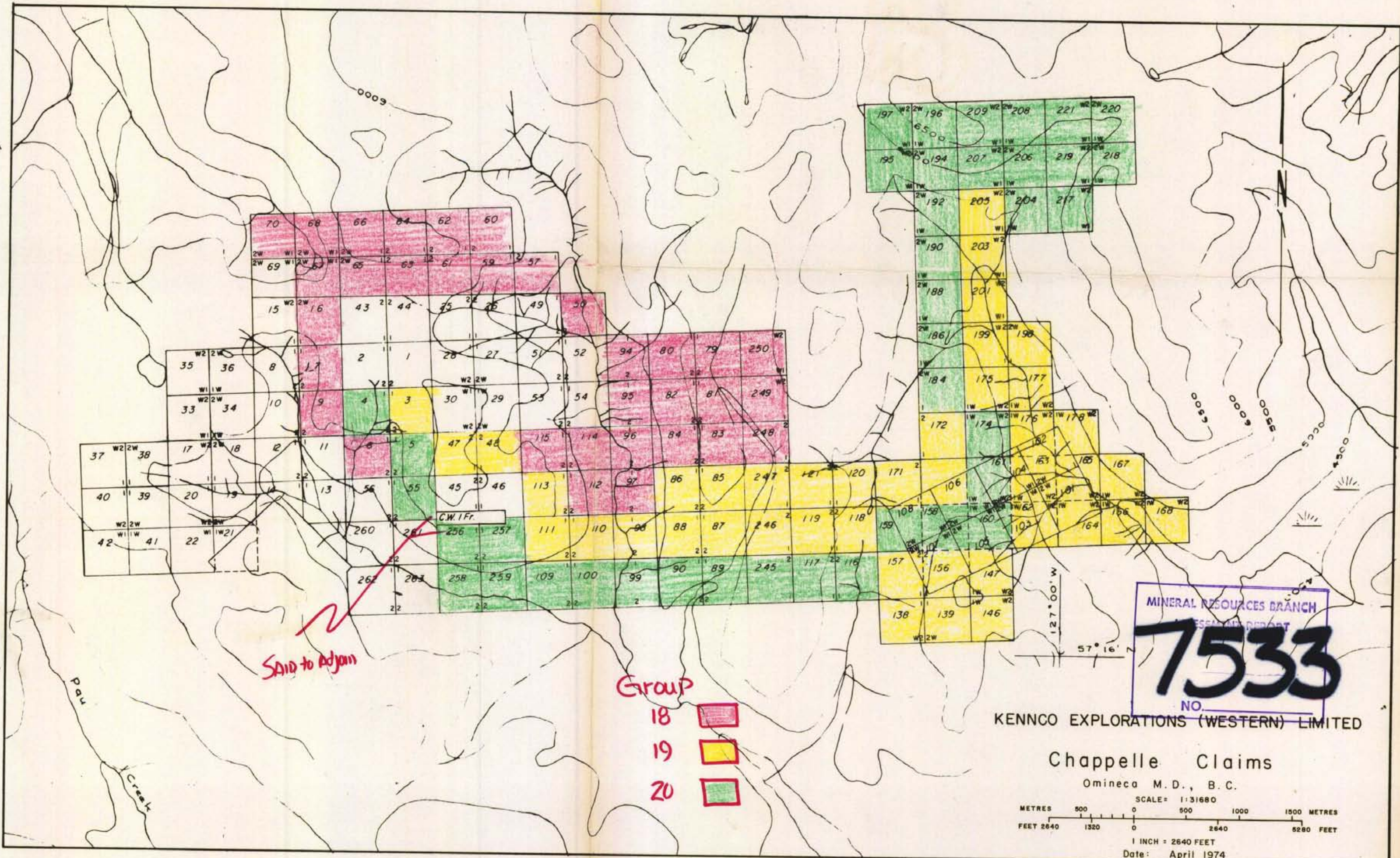
1. I was graduated from Carleton University, Ottawa, Ontario, Canada, as a Bachelor of Science in Geology on 1963 05 29, and from McGill University, Montreal, Quebec as a Master of Science (Applied) in Mineral Exploration on 1971 06 02.
2. I have been practising my profession of mining and exploration geologist for sixteen years, with Inco Ltd. at Thomson, Manitoba and Copper Cliff, Ontario and with John S. Vincent Limited, Brascan Resources Limited and Du Pont of Canada Exploration Limited in Vancouver, BC.
3. I am a registered Professional Engineer in Ontario (1970 04 23) and British Columbia (NO.9140, 1973 11 07).
4. I hold memberships in the Canadian Institute of Mining and Metallurgy, and am a Fellow of the Geological Association of Canada.

Signed,



K. A. MacLean

1979 11 01



Said to Adjoin

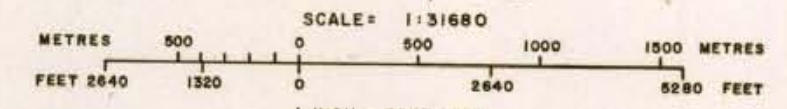
- Group
- 18
 - 19
 - 20

MINERAL RESOURCES BRANCH
 RESEARCH REPORT
7533
 NO.

KENCO EXPLORATIONS (WESTERN) LIMITED

Chappelle Claims

Omineca M. D., B. C.



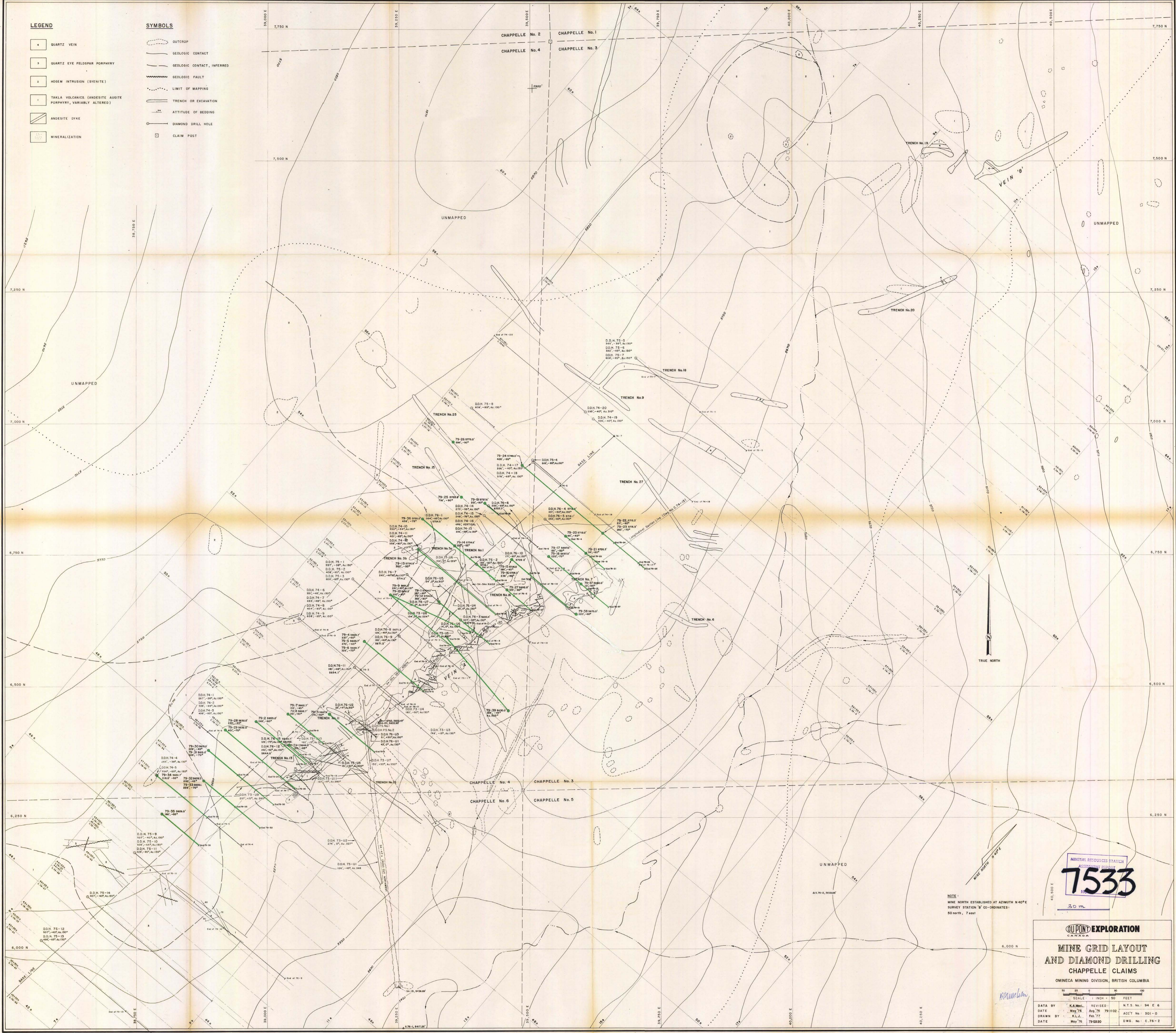
1 INCH = 2640 FEET
 Date: April 1974

LEGEND

- 4 QUARTZ VEIN
- 2 QUARTZ EYE FELDSPAR PORPHYRY
- 1 HOSEM INTRUSION (SYENITE)
- TAKLA VOLCANICS (ANDESITE AUGITE PORPHYRY, VARIABLY ALTERED)
- ANDESITE DYKE
- MINERALIZATION

SYMBOLS

- OUTCROP
- GEOLOGIC CONTACT
- GEOLOGIC CONTACT, INFERRED
- GEOLOGIC FAULT
- LIMIT OF MAPPING
- TRENCH OR EXCAVATION
- ATTITUDE OF BEDDING
- DIAMOND DRILL HOLE
- CLAIM POST



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7533
30 m

NOTE:
MINE NORTH ESTABLISHED AT AZIMUTH N 40° E
SURVEY STATION 'B' CO-ORDINATES:
50 NORTH, 7 EAST

CLIPON EXPLORATION
CANADA

**MINE GRID LAYOUT
AND DIAMOND DRILLING
CHAPPELLE CLAIMS**

OMINECA MINING DIVISION, BRITISH COLUMBIA

SCALE: 1 INCH = 50 FEET

DATA BY	K.A.MILL	REVISED	N.T.S. No. 94 E 6
DATE	May 76	Aug 76	791102
DRAWN BY	K.L.J.	Feb 77	ACCT No. 301-0
DATE	May 76	790820	DWG. No. C.76-2