DRILLING REPORT

Deer Park Property

In the Trail Creek Mining Division

29 Kilometres West of Castlegar, B.C.

NTS 82 E/8

Lat. 49°20'N

Long. 118°02'W

Owned And Operated By

Utah Mines Ltd.

Work Performed Between June 21 - July 21, 1980.

Tom Pollock, M.Sc.A.
Utah Mines Ltd.

Vancouver, B.C.
December, 1980.

TABLE OF CONTENTS

ILLUSTRATIONS (Map Pocket)

INTRODUCTION

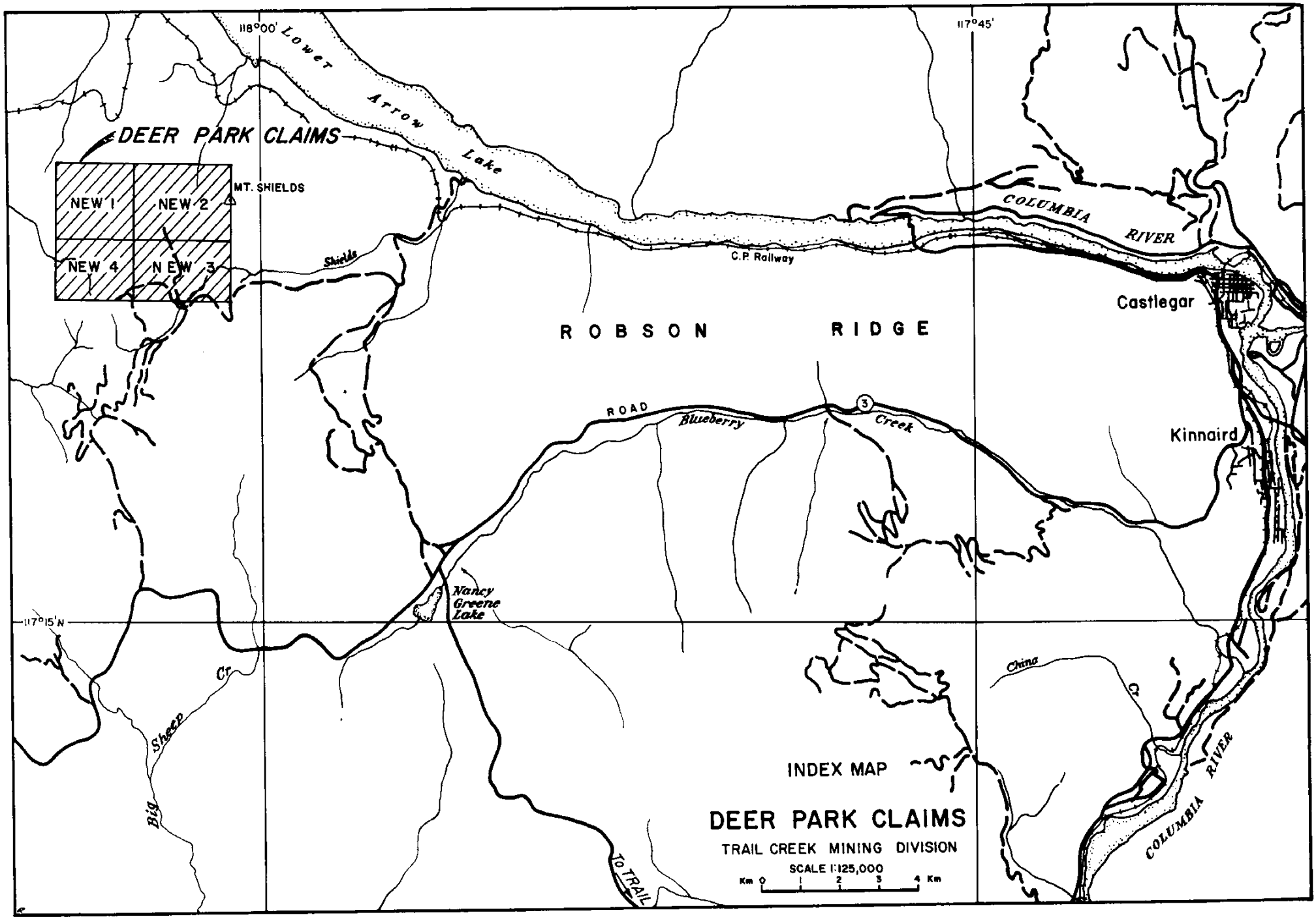
Diamond drilling of one hole was carried out on the Deer Park Property from June 21 to July 21, 1980. The drilling was totally confined to claim New #2. All expenditures on the property for the 1980 summer field season will be claimed as assessment work.

The following Utah Mines Ltd. personnel supervised and performed the geological work for the Deer Park Property. T. Pollock, geologist, and M. Stewart, field assistant.

LOCATION AND ACCESS

The Deer Park Property is located approximately 29 kilometres west of Castlegar, B.C. within the Kettle River map sheet. The property consists of four claims (63 units) in the moderately forested Monashee Mountains with elevations ranging from 1050 to 1790 metres.

Access to the property can be achieved by driving 41 kilometres west along Highway No. 3 from Castlegar and then 12 kilometres north on a two-wheel drive dirt road.


DEER PARK CLAIMS
NEW 1
NEW 2
NEW 4
NEW 3
MT. SHIELDS
118°00'
Lower Arrow Lake
117°45'
COLUMBIA RIVER
C.P. Railway
Shields
Castlegar
ROBSON RIDGE
ROAD
Blueberry Creek
3
Kinnaird
Nancy Greene Lake
117°15'N
Sheep Cr.
Big
China Cr.
COLUMBIA RIVER
TO TRAIL
INDEX MAP
DEER PARK CLAIMS
TRAIL CREEK MINING DIVISION
SCALE 1:125,000
Km 0 1 2 3 4 Km

DIAMOND DRILLING PROGRAMME

Drilling was performed by Longyear Canada Limited utilizing one Longyear "44" drill equipped to drill NQ core size. The move on to the property began June 18th, with the actual drilling commencing three days later. The drill rig was moved during the job by a D-8 bulldozer owned by Sandners Bros. Transport Ltd. of Christina Lake. Longyear and Utah personnel resided in Castlegar for the duration of the drill programme.

Drilling was completed on July 21st, exactly one month after the starting date. Core was logged in detail by a Utah Mines Ltd. geologist, then split in half, with one-half of the core returning to the core box to be stored on the property. Of the other half, every other three metre section of core was sent for analysis while the other unanalyzed sections were sent to Utah's storage facility in Vancouver. The core that remained on the property was stored in wooden core boxes, then placed in enclosed wooden racks. All core boxes were clearly labelled giving the hole and box number, and the meterage contained within.

One hole was drilled in 1980 to a depth of 762.6 metres (2502 feet). The following table gives the particulars of the hole drilled.

Hole No.	Grid Co-ords (m) N	E	Elev. (M)	Date Start/ Finish	Angle	Azimuth	The Depth (M)
DP-14	8000	7800	1555	June 21/-070° July 21		180°	762.6

Data accompanying this drill report are in the Appendices. The data consists of the complete diamond drill log and associated

assay log for the diamond drill hole DP-14 found in Appendices D and E respectively. A statement of qualifications, statement of cost, and major contract invoices are given in Appendices A, B and C respectively.

The diamond drill log submitted in Appendix D was done by T. Pollock. The signature below is to cover all log sheets comprising Appendix D.

T. Pollock
Geologist

Vancouver, B.C.

APPENDIX A

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

The field work for this report was done by the following person whose qualifications are outlined below:

T. Pollock, Geologist for Utah Mines Ltd., Vancouver, British Columbia. Completed Hon. B.Sc. (geology) at Queen's University, Kingston, Ontario in 1977; completed M.Sc.A. at McGill University, Montreal, Quebec in 1980; employed by the Ontario Geological Survey as an assistant geologist during the 1974 and 1975 summer field seasons; employed by Inco Limited as a field geologist for the 1976, 1977 and 1978 summer field seasons; employed by the Geological Survey of Canada as a geologist, December 1977 to April 1978; employed by Kelvin Energy Ltd. during the 1979 field season as a field geologist; employed by Utah Mines Ltd. from May 1980 to date as a geologist under the supervision of J. B. Richards, P.Eng.

APPENDIX B

STATEMENT OF COSTS

STATEMENT OF COSTS

	Total Cost	Cumulative Total
Diamond Drilling	$ 85,507.43	$ 85,507.43
Wages	16,241.00	101,748.43
Field Supplies	4,185.14	105,933.57
Road Work	3,442.68	109,376.25
Expense Accounts	3,226.81	112,603.06
Chemex Labs Ltd.	1,881.81	114,484.87
Food & Lodging	1,831.75	116,316.62
Truck Rentals	1,809.91	118,126.53
Maps & Reports	1,570.00	119,696.53
Transportation Costs (Sandners Bros.).	1,450.49	121,147.02
Supplies	903.82	122,050.84
Reproductions & Maps	485.96	122,536.80
Telephone	478.92	123,015.72
Other (including drafting supplies)	98.93	123,114.65

APPENDIX C
MAJOR INVOICES

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
721 Aldford Avenue
Annacis Island, New Westminster, B C V3M 5P5
Telephone: 604-524-2511
Telex: 43-51280

7/24/80

Invoice No. 8386
Cust. No. 6051
Job No. 6273
Dest. 062

Utah Mines Limited,
Exploration Department,
Suite 1600-1050 West Pender St.,
Vancouver, British Columbia
V6G 3S7

Utah Deer Park
Invoice date: July 10, 1980
for June 1980

To: Invoice for diamond drilling performed on Deer Park Project near Castlegar, British Columbia during period June 18-29, 1980 per agreement dated March 21, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
DP14	NQ Wireline	0	876	876	22.75	19,929.00

Mobilization
Lump Sum — 2,670.00

Drilling Mud and Additives - attached
Thiessen Equipment Ltd. — 639.60
Plus 18% — 115.13
754.73

Client Charge - attached
Gardner Brothers Lumber Co. Ltd. — 1,970.00
Plus 18% — 354.60
2,324.60

Client Testing
Hole DP14 1 hour — 75.00

Travel Time
Hole DP14 96 hours @ 23.00 x 75% — 1,656.00

Moves
Move In To Hole DP14
32 hours @ 75.00 — 2,400.00
1 1/2 hours @ 70.00 — 105.00
54 hours @ 23.00 — 1,242.00
3,747.00

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
721 Aldford Avenue
Annacis Island, New Westminster, B.C. V3M 5P5
Telephone: 604-524-2511
Telex. 43-51280

Utah Mines Limited
Invoice No. 8386
2...

Reaming			
Hole DP14			
6 hours @ 75.00		450.00	
1 NW Shoe E518	123.76		
1 NQ Bit GR32830	431.60		
1 NQ Bit GR32838	431.60		
Prorated recovery-see later invoice	-		
	986.96		
Plus 18%	177.65		
		1,164.61	
			1,614.61
		$	32,770.94

Longyear

Longyear Canada Inc.
CONTRACT DRILLING DIVISION
721 Aldford Avenue
Annacis Island, New Westminster, B.C. V3M 5P5
Telephone: 604-524-2511
Telex: 43-51280

Invoice No. 8553
Cust. No. 6051
Job No. 6273
Dest. 062

Utah Mines Limited,
Exploration Department,
Suite 1600-1050 West Pender St.,
Vancouver, British Columbia
V6G 3S7

Utah Deer Park
Invoice date: July 23, 1980
for July 1980

To: Invoice for diamond drilling performed on Deer Park Project near Castlegar, British Columbia during period June 30-July 15, 1980 per agreement dated March 21, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
DP14	NQ Wireline	876	1000	124	22.75	2,821.00
	NQ Wireline	1000	1500	500	25.00	12,500.00
	NQ Wireline	1500	2000	500	28.00	14,000.00
	NQ Wireline	2000	2086	86	32.00	2,752.00
				1210		32,073.00

Core Boxes - attached
halley & Son Ltd. 859.04

Core Splitter
1 Longyear 9326 Core Splitter ~~478.40~~

Client Testing
Hole DP14 2 hours @ 75.00 150.00

Lost Circulation
Hole DP14 2 hours @ 75.00 150.00

Moves
Move In To Hole DP14 - 5 hours @ 75.00 375.00

Travel Time
Hole DP14 128 hours @ 23.00 x 75% 2,208.00

Reaming
Hole DP14
Prorated recovery re E518, GR32830, GR32838-see later invoice -

$ ~~36,293.44~~ $35,315.04

TERMS—NET 30 DAYS—INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

AMEX EXPLORATION SERVICES LTD.

A.A. (AB) ABLETT

Confidential Work

BUS. 376-0433
RES. 376-7490

1714 CLIFFORD AVE.
V2B 4G6

BOX 286
KAMLOOPS, B.C.

June 24th 1980.

Utah Mines Ltd
1600-1050 West Pender Street,
Vancouver, B.C.

Attention: Mr. Andy Schmidt

STATEMENT OF ACCOUNT:

RE: Staking and recording the NEW 1-4 (63 units) staked Westerly from Castlegar, B.C., in the Trail Creek Mining Division.

Amex Fees:

Wages 21 days @$133.00/day	$2793.00 ✓
Office (Preparation documents and Secretarial)	107.65
Vehicles 9 days @$35.00/day	315.00
Gasoline	108.66
Board, Accommodation, Groceries	768.14
Flagging, Tags, Loomis. Phone, Misc	126.55
Recording Fees:	
63 units @$5.00/unit	315.00
Total Requested	$4534.00

Respectfully Submitted,

Wayne McCusker

A.A. ABlett, President
Amex Exploration Services Ltd

Amex Job Number 80-52

AAA/jm

UTAH MINES LTD. -- EXPLORATION DEPT.

DISTRIBUTION

Location	Major	Minor	Act.	Exp.	Amount
00		0	0	0	
00	A336	051 0	0	0	4534.00
00		0	0	0	
00		0	0	0	
00			0	0	

Date Received
Ext. & Prices
Approved by

Invoice Amount 4534.00
Discount
Amount Payable
Check No.

SANDNER BROTHERS Lumber Co. Ltd.

P.O. BOX 40,
CHRISTINA LAKE, B.C. V0H 1E0
TELEPHONE 447-9411 TELEX 041-542

June 6, 1980

Utah Mines Ltd.
1600 - 1050 West Pender Street
Vancouver, B.C.

TD25C rental on road work from Highway #3 to Shields Mountain

May 27	7½ hours	
May 28	6½ hours	
May 29	6 hours	
May 30	5 hours	
June 2	4½ hours	
	29½ hours @ 80.00	2,360.00
Swamper on days required total 18½ @ 12.00		222.00
Pick up five days @ 30.00		150.00
Low bed Christina Lake to Summit 2 hours @ 45.00		90.00
1 Culvert		620.68
		3,442.68

Dan Park Okay T.P. OK KDS.

SANDNER BROTHERS TRANSPORT LTD.

BOX 40, CHRISTINA LAKE, B.C.

TELEX 041-542

TELEPHONE 447-9411

RECEIVED 337

AUG 11 1980

UTAH ... EXPLO...

8/12/80

Utah Mines
1600 - 1050 W Pender
Vancouver BC V6E 3S7

INVOICE NO: 11337

DATE: July 31/80

Acct 2204

DATE	B/L NO.	DETAILS	WEIGHT	RATE	AMOUNT
July 29 80	1788	Jug 22 Ford dump - Offshoring	17.5 hrs	37 50	656 25
		23 Truck + trailer to load dress'n	4.5 hrs	40 00	180 00
		23 Hough loader to skid + load rig	13 hrs	45 00	585 00
		To move (loaded) 450 ft and from C Lake to Mine	2 trips	110 00	220 00
		24 1 man - secure load + move to highway	3 hrs	40 00	120 00
					1761 25

E & O E

Deer Cork 1/2
Holbert 1/2

INTEREST OF 2% WILL BE CHARGED ON OVER-DUE ACCOUNTS.

D/12/80

SANDNER BROTHERS TRANSPORT LTD.

BOX 40, CHRISTINA LAKE, B.C.

TELEX 041-542

TELEPHONE 447-9411

RECEIVED 11336

AUG 11 1980

UTA
EXP.

Utah Mines
1600 - 1050 W Pender
Vancouver BC V6E 3S7

INVOICE NO: 11336

DATE: July 31/80

Acct 2204

DATE	B/L NO.	DETAILS	WEIGHT	RATE	AMOUNT
July 24 80	15378	Diamond Drill. Lawson Summit - Sidumm	min 50,000	98	490 00
		Off highway & unload 3.5 hrs 3 hrs W/C	16 hrs	40 00	640 00
		1.2% Fuel surcharge on 490.00			5 88
		.6% Fuel surcharge on 640.00			3 84
					$1139 72
		EK			
		Deerpark ½			
		Hallboff ½			

INTEREST OF 2% WILL BE CHARGED ON OVER-DUE ACCOUNTS.

DON'T SAY IT WRITE IT

RECEIVED
JUL 14 1980
EXPLORATION

TO Utah Mines Ltd - Exploration Dept. Vancouver. DATE 9 July

Tom Pollock. + Mike Stewart

2 bedroom Kitchen unit @ 33.00

1 July to 7 July 1980 - 231.00

TX 11.55

Rec. by: Tom Pollock. 242.55
Mike Stewart

June 30 Balance 693.00

7 Flamingo Motel Total- 935.55
1660 Columbia Ave
Castlegar, B.C. V1N-1H9.

REDIFORM - 4M231 SIGNED

DON'T SAY IT WRITE IT

7/25/80

TO Utah Mines Ltd
Exploration Dept.
Vancouver B.C.

DATE July 22

Tom Pollock + M Stewart

8 July to 21 July 1980 14 days @ 33.00 462.00

Tx 23.10

485.10

OK/RS.
Park
Dec

Mike Stewart
Tom Pollock

Flamingo Motel
1660 - Columbia Ave.
Castlegar, B.C.
V1N-1H9

JUL 25 '80

UTAH EXPL...

REDIFORM - 4M231

SIGNED

DON'T SAY IT WRITE IT

TO Utah Mines Ltd
Exploration Dept.
Vancouver

DATE 24th July 1980

Tom Pollock & M Stewart

22nd & 23rd July 28.00

Deposit

	56.00
TY	2.80
	58.80
	30.00
	28.80

Flamingo Motel
1660 - Columbia Ave.
Castlegar. B.C.
V1N-1H9.

Tom Pollock
M. Stewart

REDIFORM . 4M231

SIGNED

WESTMINSTER AUTO LEASING LTD.

210 – 12TH STREET (P.O. BOX 520)
NEW WESTMINSTER, B.C.

522-8828
OR
521-7731

"SERVING B.C. FROM THE ROYAL CITY"

1. BILL TO (NAME AND ADDRESS)
Utah Mines Exploration

2. NAME AND ADDRESS OF DRIVER OR ADDITIONAL DRIVERS

PURCHASE ORDER NO. _____ PHONE NO. _____

3. VEHICLE NUMBER: 77-0388	4. MAKE: Chev	22. DATE AND TIME OUT: May 13/80	23. DATE AND TIME IN:
5. TYPE: 4x4 3/4 ton Pickup		24. MILES IN: 0	* FOUR HOUR MINIMUM CHARGE ON ALL RENTALS
6. LICENCE PLATE NO.: 47.11.HK	7. STATION: N. West.	25. MILES OUT: 128	* MILEAGE DETERMINED BY READING FACTORY INSTALLED ODOMETER
8. VEHICLE WILL BE RETURNED NOT LATER THAN MO. DAY TIME		26. TOT. MILES	27. MILES
9. EXTENDED RENTAL MO. DAY TIME		28. HOURLY CHARGE @	
10. VEHICLE WILL BE USED FOR IN PROVINCES OR STATES OF		29. DAILY CHARGE @	
11. DRIVERS LICENSE NUMBER	12. PROVINCE	30. WEEKLY CHARGE @	
13. EXPIRATION DATE	14. DRIVERS AGE	31. MONTHLY CHARGE @	660 00 / 383 22
15. SUBSTITUTE VEHICLE MILES IN:- MILES OUT:- TOTAL:		@	
16. ADDITIONAL INFORMATION		32. TOTAL TIME AND MILEAGE CHARGES	
17. ALTERNATE CITY DROP CHARGE CITY:- AUTHORIZED BY:-		DROP OFF CHARGE	
18. OPTIONAL EQUIPMENT CHARGE, EQUIPMENT OR VEHICLE DAMAGE CHARGES (DESCRIBE) OTHER CHARGES (DESCRIBE) Canopy & winch @ 100 00			58 14
19. THE LESSOR HEREBY LEASES TO THE RENTER AND THE RENTER HIRES UPON THE COVENANTS, TERMS AND CONDITIONS STATED A COPY OF WHICH IS REPRODUCED ON THE REVERSE SIDE HEREOF THE MOTOR VEHICLE DESCRIBED HEREON. CUSTOMER IS RESPONSIBLE FOR ALL EXPENSES INCLUDING MAINTENANCE, TIRES AND TUBE REPAIRS, AND DAMAGE TO VEHICLE OCCASIONED WHEN VEHICLE IS TRAVELLING ON ROADS NOT SERVICED BY ANY MUNICIPAL, PROVINCIAL OR FEDERAL GOVERNMENT.		33. COLLISION DAMAGE WAIVER $300.00 DEDUCTIBLE / $100.00 DEDUCTIBLE / NIL DEDUCTIBLE	34. TOTAL 441 36
RENTER ACKNOWLEDGES RECEIPT OF VEHICLE IN THE FOLLOWING CONDITION.		INITIALS	35. TAX 17 65
No Damage - New Unit		DAY @ WEEK @ MONTH @ 65 00	37 80
		36. FUEL TANK LEVEL OUT	37. PLUS OR MINUS GAS OR REPAIRS
		38. DEPOSIT $ NIL CASH / CHARGEX / CHEQUE	39. TOTAL CHARGES 496 81
SIGNATURE OF RENTER + Tom Pollock		41. METHOD OF PAYMENT	40. LESS DEPOSIT
20. OUT BY	21. IN BY	CASH / CHARGE	42. NET AMOUNT DUE
			43. REC'D REFUND INITIALS

ALL CORRESPONDANCE MUST SHOW THIS NUMBER → 3281

Deer Park

RENTAL AGREEMENT

WESTMINSTER AUTO LEASING LTD.

210 – 12TH STREET (P.O. BOX 520)
NEW WESTMINSTER, B.C.

522-8828
OR
521-7731

"SERVING B.C. FROM THE ROYAL CITY"

1. BILL TO (NAME AND ADDRESS)
Utah Mines Exploration.

2. NAME AND ADDRESS OF DRIVER OR ADDITIONAL DRIVERS

JUL 8 - 1980
UTAH MINES LTD.
EXPLORATION DEPT.

PURCHASE ORDER NO.

PHONE NO.

3. VEHICLE NUMBER: 12-0388
4. MAKE: Chev.
5. TYPE: 4x4 3/4 TON P/U.
6. LICENCE PLATE NO.: 47-11-HX.
7. STATION: N. West
8. VEHICLE WILL BE RETURNED NOT LATER THAN — MO. DAY TIME
9. EXTENDED RENTAL — MO. DAY TIME
10. VEHICLE WILL BE USED FOR IN PROVINCES OR STATES OF
11. DRIVERS LICENSE NUMBER
12. PROVINCE
13. EXPIRATION DATE
14. DRIVERS AGE
15. SUBSTITUTE VEHICLE — MILES IN:- MILES OUT:- TOTAL:
16. ADDITIONAL INFORMATION.
17. ALTERNATE CITY DROP CHARGE — CITY:- AUTHORIZED BY:- DROP OFF CHARGE
18. OPTIONAL EQUIPMENT CHARGE, EQUIPMENT OR VEHICLE DAMAGE CHARGES (DESCRIBE) OTHER CHARGES (DESCRIBE): Canopy & Winch @ 100.00

22. DATE AND TIME OUT: June 11/80
23. DATE AND TIME IN:
24. MILES IN:
25. MILES OUT: 128
26. TOT. MILES:
27. MILES:

* FOUR HOUR MINIMUM CHARGE ON ALL RENTALS
* MILEAGE DETERMINED BY READING FACTORY INSTALLED ODOMETER

28. HOURLY CHARGE			
29. DAILY CHARGE			
30. WEEKLY CHARGE			
31. MONTHLY CHARGE	660.00	660	00
32. TOTAL TIME AND MILEAGE CHARGES			
18. OPTIONAL EQUIPMENT CHARGE, EQUIPMENT OR VEHICLE DAMAGE CHARGES (DESCRIBE) OTHER CHARGES (DESCRIBE): Canopy & Winch @ 100.00		100	00
34. TOTAL		760	00
35. TAX		30	40
DAY WEEK MONTH @ 65.00		65	00
36. FUEL TANK LEVEL OUT	37. PLUS OR MINUS GAS OR REPAIRS		
38. DEPOSIT $ NIL	39. TOTAL CHARGES	855	40
CASH CHARGEX CHEQUE	40. LESS DEPOSIT		
41. METHOD OF PAYMENT	42. NET AMOUNT DUE		
CASH CHARGE	43. REC'D REFUND INITIALS		

33. COLLISION DAMAGE WAIVER: $ 300 | $100.00 DEDUCTIBLE | NIL DEDUCTIBLE — INITIALS

19. THE LESSOR HEREBY LEASES TO THE RENTER AND THE RENTER RENTS UPON THE COVENANTS, TERMS AND CONDITIONS STATED IN COPY OF WHICH IS PRINTED ON THE REVERSE SIDE HEREOF THE MOTOR VEHICLE DESCRIBED HEREON. RENTER IS RESPONSIBLE FOR ALL EXPENSES INCLUDING MAINTENANCE, TIRES AND TUBE REPAIRS AND DAMAGE TO VEHICLE OCCASIONED WHEN VEHICLE IS TRAVELLING ON ROADS NOT SERVICED BY ANY MUNICIPAL, PROVINCIAL OR FEDERAL GOVERNMENT.

RENTER ACKNOWLEDGES RECEIPT OF VEHICLE IN THE FOLLOWING CONDITION:
x Damage - NEW.

SIGNATURE OF RENTER: OK #3281

20. OUT BY
21. IN BY

ALL CORRESPONDANCE MUST SHOW THIS NUMBER → 3355

OPP Park

RENTAL AGREEMENT

WESTMINSTER AUTO LEASING LTD.

210 – 12TH STREET (P.O. BOX 520)
NEW WESTMINSTER, B.C.

522-8828
OR
521-7731

"SERVING B.C. FROM THE ROYAL CITY"

1. BILL TO (NAME AND ADDRESS)

Utah Mines ℔ Dee Park
℔ Halsoff

PURCHASE ORDER NO.

2. NAME AND ADDRESS OF DRIVER OR ADDITIONAL DRIVERS

AUG 6 - 1980
UTAH MINES L.T.D.
EXPLORATION DEPT.

PHONE NO.

3. VEHICLE NUMBER: 12-0388	4. MAKE: Chev.	22. DATE AND TIME OUT: July 1/80	23. DATE AND TIME IN:
5. TYPE: 4x4 3/4 TON P/U.		24. MILES IN:	* FOUR HOUR MINIMUM CHARGE ON ALL RENTALS
6. LICENCE PLATE NO.: 47-11-HX	7. STATION: Nwest.	25. MILES OUT: 128	* MILEAGE DETERMINED BY READING FACTORY INSTALLED ODOMETER
8. VEHICLE WILL BE RETURNED NOT LATER THAN MO. DAY TIME		26. TOT. MILES	27. MILES
9. EXTENDED RENTAL MO. DAY TIME		28. HOURLY CHARGE	
10. VEHICLE WILL BE USED FOR IN PROVINCES OR STATES OF		29. DAILY CHARGE	
11. DRIVERS LICENSE NUMBER	12. PROVINCE	30. WEEKLY CHARGE	
13. EXPIRATION DATE	14. DRIVERS AGE	31. MONTHLY CHARGE @	660 00 660 00
15. SUBSTITUTE VEHICLE MILES IN:- MILES OUT:- TOTAL:		@	
16. ADDITIONAL INFORMATION		32. TOTAL TIME AND MILEAGE CHARGES	
17. ALTERNATE CITY DROP CHARGE CITY:- AUTHORIZED BY:-		DROP OFF CHARGE	
18. OPTIONAL EQUIPMENT CHARGES / EQUIPMENT OR VEHICLE DAMAGE CHARGES (DESCRIBED) OTHER CHARGES (DESCRIBED)	Canopy / Winch	100.00	100 00

19. THE LESSOR HEREBY AGREES TO THE RENTER BELOW ACCEPTING THE COVENANTS, TERMS AND CONDITIONS STATED. A COPY OF WHICH IS REPRODUCED ON THE REVERSE SIDE OF THIS MOTOR VEHICLE DESCRIBED HEREON. CUSTOMER IS RESPONSIBLE FOR ALL EXPENSES OF MAINTENANCE, TIRES AND TUBE REPAIRS, AND DAMAGE TO THE VEHICLE OCCASIONED WHEN VEHICLE IS TRAVELLING ON ROADS NOT SERVICED BY ANY MUNICIPAL, PROVINCIAL OR FEDERAL GOVERNMENT.

RENTER ACKNOWLEDGES RECEIPT OF VEHICLE IN THE FOLLOWING CONDITION.

℔ Damage - new.

SIGNATURE OF RENTER # 3355

33. COLLISION DAMAGE WAIVER: $250.00 DEDUCTIBLE / $100.00 DEDUCTIBLE / NIL DEDUCTIBLE — INITIALS		34. TOTAL	760 00
		35. TAX	30 40
DAY @ / WEEK @ / MONTH @ 65.00			65 00
36. FUEL TANK LEVEL OUT: 1 / 1		37. PLUS OR MINUS GAS OR REPAIRS	
38. DEPOSIT $ NIL		39. TOTAL CHARGES	855 40
CASH / CHARGEX / CHEQUE		40. LESS DEPOSIT	
41. METHOD OF PAYMENT: CASH / CHEQUE		42. NET AMOUNT DUE	
		43. REC'D REFUND INITIALS	

20. OUT BY

21. IN BY

ALL CORRESPONDANCE MUST SHOW THIS NUMBER → 3423

INVOICE

7/9/80

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.
1600 - 1050 W. Pender St.
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

DEER PARK PROJECT

CERTIFICATE NO. 68759

INVOICE NO. 36727

DATE July 8/80

	DESCRIPTION	SUB-TOTAL	TOTAL
3	Assayed for Mo, Zn & WO_3 @ $20.50	$61.50	
	Less 20%	-12.30	
			$49.20

TERMS—NET 30 DAYS

78-040

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
604

7/21/80

INVOICE

CHEMEX LABS LTD.

ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

TO: Utah Mines Ltd.
1600 - 1050 W. Pender St.
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt

CERTIFICATE NO. 53905

INVOICE NO. 36814

DATE July 11/80

Deer Park (Bag 1 and Bag 2)

	DESCRIPTION	SUB-TOTAL	TOTAL
7	Analysed for Mo, Zn, W & F @ $9.85	$68.95	
7	Prepared (rocks) @ $2.00	14.00	
		82.95	
	Less 20%	-16.59	
			$66.36

[illegible]

JUL 21 1980

UTAH [illegible]

TERMS—NET 30 DAYS
1½% Per Month (18% Per Annum) Charged on Overdue Accounts

26711

FLATPAKIT GENERAL PURPOSE SALES SR0966

78-040

LTD.
AVE.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
PHONE: 984-0221
604

INVOICE

7/21/80

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.
1600-1050 W. Pender St.
Vancouver, B.C.
V6E 3S7
ATTN: A.J. Schmidt

ROCKS
Deer Park Project

CERTIFICATE NO. 53992
INVOICE NO. 36810
DATE July 11/80

	DESCRIPTION	SUB-TOTAL	TOTAL
19	Analzyed for Mo, Zn, W & F @ $9.85	$187.15	
19	Prepared @ $2.00	38.00	
	Overweight charge @ $50.00	50.00	
		$275.15	
	Less 20%	- 55.03	
			$220.12

JUL 21 1980

TERMS—NET 30 DAYS
1½% Per Month (18% Per Annum) Charged on Overdue Accounts

78-040

76711

FLATPAKIT GENERAL PURPOSE SALES

220.12

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
984-0221

INVOICE

7/17/80

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.
1600 - 1050 w. Pender St.
Vancouver, B.C.
V6E 3S7

ATTN: A.J. Schmidt Deer Park Project

CERTIFICATE NO. 54075
INVOICE NO. 36841
DATE July 12/80

	DESCRIPTION	SUB-TOTAL	TOTAL
12	Analysed for Mo, Zn, W & F @ $9.85	$118.20	
12	Prepared (rocks) @ $2.00	24.00	
120 lbs.	Overweight Charge @ $0.25/lb.	30.00	
		172.20	
	Less 20%	-34.44	
			$137.76

TERMS—NET 30 DAYS
1½% Per Month (18% Per Annum) Charged on Overdue Accounts

78-040

26711

INVOICE

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.
1600 - 1050 W. Pender St.
Vancouver, B.C.
V6E 3S7

7/23/80

ATTN: A.J. Schmidt Project Deer Park

CERTIFICATE NO. 54387
INVOICE NO. 37092
DATE July 21/80

	DESCRIPTION	SUB-TOTAL	TOTAL
12	Analysed for Mo, Zn, W & F @ $9.85	$118.20	
12	Prepared (rocks) @ $2.00	24.00	
		142.20	
	Less 20%	- 28.44	
			$113.76

TERMS—NET 30 DAYS
1½% Per Month (18% Per Annum) Charged on Overdue Accounts

78-040

Total Charges 216 27

WE AGREE TO PAY THE AMOUNT OF $

FIRM NAME

PER (AUTHORIZED REPRESENTATIVE)

227- 12054055 F

3 FREIGHT

INVOICE

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.,
[illegible] - 1050 W. Pender St.,
Vancouver, B.C.
V6[illegible]
ATTN: [illegible] Park A. J. Schmidt

8/5/80

CERTIFICATE NO. 54860
INVOICE NO. 37462
DATE July 31, 1980

	DESCRIPTION	SUB-TOTAL	TOTAL
30	Analyzed for Mo and Zn @ $2.35	$70.50	
30	Analyzed for F @ $3.75	$112.50	
[illegible]	Analyzed for W @ $3.75	$112.50	
30	Prepared @ $2.00 (rock)	$60.00	
		$355.50	
	Less 20%	-$71.10	
			$284.40

[illegible]

TERMS—NET 30 DAYS

78-040

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

8/15/80

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V7E 3S7
ATTN: TYLER PARK A. J. Schmidt

CERTIFICATE NO. 55140
INVOICE NO. 37766
DATE August 13, 1980

	DESCRIPTION	SUB-TOTAL	TOTAL
10	Analyzed for Mo, Zn and Fe @ $3.05	$30.50	
	Analyzed for Sn and W @ $7.00	$70.00	
10	Prepared @ $2.00 (rock)	$20.00	
	100 lbs. overweight @ $0.25/lb.	$25.00	
		$145.50	
	Less 20%	$29.10	
			$116.40

UTAH MINES LTD.
EXPLORATION DEPT.

TERMS—NET 30 DAYS

78-040

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

APPENDIX D

DIAMOND DRILL LOG

HOLE NO: 214 | PROJECT: DEER PARK | PAGE NO.: 1 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF TO CLAIM CORNER:

COORDINATES: 8040S N 7+100E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. Bolton

ALTERATION: Silica | Sericite | Clay | Chlorite

FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION

0 - 0.9 stckup

0.9 - 2.7m casing

2.7 - 13.4 Coarse grained biotite hornblende monzonite

minor feldspar phenocrysts 3mm across
py + mag diss ± along fractures
Iron staining, chlorite in fractures
massive homogeneous
FI in vugs on fractures
localized brecciation.
1cm vein of py, mt, FI
py + mt fractures (≤ 5°)
chl alteration of plag along fractures
8.0 - 8.1 brecciation
fractures 70°, py, mt
2 fractures 30° calcite & FI
fractures 50°, mt, py, hem
minor chl alteration of plag xl's + along fractures
numerous mt, py, hem fractures
brecciation
FI vein (1mm)
chl alteration of plag xl's
fracturing 60°

- med - coarse grained
- generally homogeneous
- pink to tanned
- mafics 5% (mainly hornblende minor biotite
- K-feldspar 45-50% Plag 40%
- magnetite 2-5%, pyrite 1-2%, minor fluorite,
- magnetite predominant in fractures & as stockworks
- pyrite associated w the magnetite + finely disseminated
- pyrite finely disseminated along fractures
- fresh looking
- occasional zones of brecciation or strong stockwork avg 0.1 m wide, fractures filled w py + mt
8.0 meters → numerous fracturing w mag, py, py + minor chlorite, minor hem.

similar to above, fresh looking, moderate to intense fracturing filled w mainly mt, also py, hem + minor chl.

% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
1				2.7	
2.5% mt, trace hem	4.0	100	NQ		
1% py		100		6	
3% mt, trace hem	7.0				
1% py		93.8		9	
3.5% mt, minor hem	10.7				
1% py		90.6		12	
3.5% mt, minor hem	13.4				
1% py		87.5		15	

HOLE NO. DP 14 | PROJECT: DEER PARK | PAGE NO.: 2 of 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: June 21 /80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: July 21 /80 | SCALE: 1:100

INCLINATION: −70° | BEARING 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: silicification	ALTERATION: sericite	ALTERATION: clay	ALTERATION: chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
15								AVE CORE REC'Y / HOLE					15	
16	weak				weak	mt, py, fl		Fractures 73° 30cm aplitic granite Brecciation + Mt stockwork 1-2mm veinlets of qtz, qtz+fl + qtz+mt strong mt veinlets Coarse grained biotite hornblende monzonite (3) weak saussurite alteration of feldspars generally fresh looking -same composition as above	weak 1cm 2% mt. 0.5% py	16.6	87.5	NQ		
17		weak												
18											91.3		18	
19					weak-mod	mt, fl, py, hem		Fractures 40° moderate mt veinlets, veinlets also have py, hem, Fractures 50°, trace Mo on fracture fresh looking minor saussurite	1.5% mt, trace hem < 1.5% py	19.9				
20														
21											100		21	
22					weak			contact at 50° fractures 60° brecciation due to strong mt, qtz minor py veinlets. contact @ 30° 20.1-20.4 Dark grey And. Feldspar Syenite Porphyry (13) 1cm max feldspar phenocrysts veinlets < 1mm at 30° - contain py, mt qtz, mt + hm along contacts		21.9				
23					weak	Mo, Fl, Py, mt		Qtz, calcite, Mo, py along contact also Fl contact 50° contact 45° Coarse grained biotite hornblende monzonite (3) slightly porphyritic fresh looking	.5% mt 2% py		96.8			
24													24	
25		weak-mod			mod.	mt, py, fl		Fractures 17°+45° mt, qtz along fractures porosity 4% Vein 30° of mt, minor Fl-7mm 21.1-21.4 Dark grey And. Feldspar Syenite Porphyry (13)	1% mt minerhem 1-1.5% py	25.0				
26								vein 45° mt+qtz, py minor hem+gal minor Mo? end of porosity Coarse grained biotite hornblende monzonite (3) 21.4-22.0 Zone with mod py 3-4% finely disseminated, fine grained, grades over a few cm into monzonite with low pyrite.			100			
27													27	
28				weak				Zone of 5% porosity generally fresh, slight saussuritization of some feldspar crystals, coarse grained to slightly porphyritic	1% mt .5% py	28.0				
29	weak				weak	mt, py		fractures 65° mt, minor qtz veinlets throughout			96.8			
30								contact 60° 29.9 - 30.5 Dark Grey And. Feldspar Syenite Porphyry (13) mt, chl, hem, trace Mo along fractures					30	

HOLE NO.: >14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 80+00 N 78100 E
INCLINATION: -70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: June 21 /80
DATE FINISHED: JULY 21 /80
TOTAL DEPTH: 762.6m.

PAGE NO.: 3 OF 51
REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
30								AVE CORE REC'Y / HOLE					30	
30.6								30.3m-7mm vein of gtz, mt, Fl						
								Dark grey And Feldspar Porphyry (13)						
31								Lower Contact 65° - sharp			96.8			
								Chl alteration of hbl + some feldspars		31.1				
32								mt veinlets 7cm apart			77.8	NQ		
								Fractures @ 70°	1% mt	32.0				
33	-	-	-					Coarse grained biotite hornblende monzonite (3)	0.5% py		83.3		33	
								this rock type separated from above by a 1.5 cm wide zone of mt, gtz, hem + small fragments of 13		33.2				
34								fine mt minor gtz veinlets			91.7			
								Fractures @ 70°						
35								Generally fresh looking, more whitish in colour than the good pink colour above		34.4				
								slight chloritization of matics.	1.5% mt	34.7	100			
36.7								8cm zone of intense mt + minor py stockwork to brecciation	0.5% py					
								Porphyritic to coarse grained, phenocrysts mainly euhedral with more calcic centers, avg size 5mm x 2.5mm						
37								mt, gtz veinlets with minor Fl + py			93.8		36	
								mt, gtz veinlets @ 40°						
38								vein @ 40°, 3mm wide of Mo + py						
								occasional apalitic fragments?						
38.8								Fracture @ 30° with chl, mt, minor Mo, hem + cp?						
								Fractures @ 65°						
39								Fl along mt, chl veinlets						
								veinlet @ 30°, 1-2mm wide of chl, Fl minor py + hem						
40								- fresh, slight chloritization of matics, also chl along veinlets with mt + along fractures			93.5		39	
								- coarse grained to porphyritic, phenocrysts 9x7mm						
41								veinlets @ 30° with chl, mt + Fl						
								- most fine veinlets mt + chl in two directions one at 30° the other 40° parallel to Mo, py veinlet. most numerous set @ 30°						
41.8								contact @ 45°, sharp						
								veinlets @ 30° with mt, chl + hem						
42								lower contact at 45°						
								39.98 - 41.9m Aplitic biotite hornblende monzonite fine grained version of above with ≈ 3-5% feldspar phenocrysts	2% mt, minor hem	41.0	100			
									1% py	41.5				
43								Coarse grained biotite hornblende monzonite					42	
								Upper contact @ 30° lower contact @ 45°						
								42.22 - 42.34m Latite dike, medium grey, very fine grained, contacts sharp			100			
								Veinlets @ 55° with mt, gtz - chl						
44								Fractures @ 55°						
								Coarse grained biotite hornblende monzonite	1.0-2% fine hem	44.2				
45								44.4 - 44.8 Latite porphyry dike, brecciation along top contact.	0.5-1.0% py		96.7		45	
								gradational 90°						

HOLE NO.: 14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 80+00 N 78+00 E.
INCLINATION: -70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: June 21 /80
DATE FINISHED: July 21 /80
TOTAL DEPTH: 762.6 m.

PAGE NO.: 4 OF 51
REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Allen

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
45													45	
46				weak to mod.	weak	mT, py, Fl, ep		45.4-45.7: 3% porosity, mod. fold. alter. Irregular veinlets of mt, pyz, py+ chl, generally few mt veinlets Fracture @ 40° with py, Fl, chl+ epidote	1% mT, minor hem 1% py		96.7	NQ		
47								Coarse grained biotite hornblende monzonite fresh, moderately porphyritic, weak prophyllitic alteration (chl+ epidote) of mafics py finely disseminated and along fractures + veinlets weak saussuritization of phenocrysts - unit contains a few round to subangular mafic clasts		47.2			48	
48								48.25-48.45m Latite dike, very fine grained, pinkish-grey in colour			89.5			
49				weak to mod	weak to mod	mT, py, Fl, ep		Coarse grained biotite hornblende porphyry Upper contact gradational Veinlet @ 45°, 1mm of mt, hem, minor pyz Lower contact @ 35° - sharp		49.1				
50								49.1-50.0m Latite porphyry dike			100			
51				weak	weak	2mT, py, Fl, ep		Fractures @ 65° generally clean mixed zone of latite porphyry + monzonite. Fractures @ 65° Rel. zone of Lat, te + monzonite.	1% mT	50.6			51	
52								Similar to monzonite above with minor prophyllitic alteration of mafics few veinlets of mt compared to the start of the hole, avg. 1 every 10cm, occasional strange rounded mass of alteration or fine grained rock - white to black in colour - up to 1.5" 2.5cm, py finely disseminated, weakly porphyritic.			90			
53						1mT, py, Fl, ep		two open veinlets at 40°, 1-3mm of, py, hem, Mo, cal. contact 60° contact 60° gradational.	.5-1% mt.	53.6				
54								52.6-53.1m - Latite porphyry dike.					54	
55	weak				very weak	1mT, py, Fl, Mo		veinlet @ 60°, 1-3mm of mt, + brecciated 03 52.1-53.6 - mixed zone of (3) & Latite porphyry mt veinlets at 70° + 80° in opposite directions, weak saussurite		55.2	93.8			
56								Veinlet @ 25°, 1mm of Mo, pyz, hem Veinlet @ 70°, 1-6mm of mT, pyz minor hem Fractures @ 40° 56.45-58.4m - Zone of strong mt + pyz, py + mt stockwork, also present - Fl, hem, also saussuritization (pale green) alteration of plag XL's.	1.5-2.5% mT, hem	56.4	100			
57								also silicification of feldspar along pyz, pyz + mt veinlets most veinlets @ 30°					57	
58	very weak	Fl			very weak	1mT, py, Fl, Mo		57.5-57.9m intense stockwork (mt + pyz) to brecciation, 5% mT, mod Fl. Fractures @ 55° Veinlet @ 40°, 2mm of mt, py, hem, Fl, Mo Veinlet @ 40°, 2mm of mt	1.5% mT minor hem 1% py		96.7			
59	weak							coarse grained biotite hornblende monzonite, quite fresh weakly porphyritic, pale green alteration along veinlets some with calcite, 57-58m - few mt veinlets, also pale green alteration of mafics		59.4				
60											92.9		60	

HOLE NO.: 14 | PROJECT: DEER MRK | PAGE NO.: 5 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21 /80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21 /80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Bilgeri

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
60								Coarse grained biotite hornblende monzonite (3) fresh slight pale green alteration of matics, little phenocrysts few mT veinlets - 1 every 30 cm occasional veinlets of calcite (hard) + pale green alteration		.5-1% mT, trace hem 1% py	60.5			60	
61															
62	weak				very weak	py, mT, Fl		Veinlet @ 70°, 2mm of py, mT, hem				87.0	NQ		
63								Fracture @ 50°			62.8			63	
64					very weak	py, Fl, minor mT		Upper contact @ 30°, sharp but irregular Veinlets @ 30°, 1-2mm of calcite (hard), Fl Veinlet @ 35°, 1cm of calcite - gtz, minor Fl		63.0 - 68.0 m - Medium grey feldspar eyed monzonite porphyritic 3 +10% phenocrysts in a fine to med. grained pinkish-grey matrix, phenocrysts oval, with grey-green centers + pink rims, 5% altered matics, 4-5% py disseminated.		.5-1% mT, minor hem 2-3% py		96.7			
65								Note: No Mo along dike fractures just calcite? Fracture @ 60°		65.3 - 66.2m same composition + dike but poorly porphyritic					
66											65.8	80.0		66	
67								Fracture @ 60°		Bottom two meters of dyke has a dark grey matrix with the same type of phenocrysts as above. generally lower in pyrite than Top 3m.	66.8				
68	very weak				weak	py, Fl, minor mT		Lower contact @ 40°, sharp and marked by py + pale green alteration, minor hematite				100.0			
69	very weak				weak	py		Fracture @ 45° with subsidiary py, Fl + pale green alteration + hem.		Medium grained biotite hornblende monzonite fresh, slightly porphyritic, almost no hairline veinlets, minor less with py, Fl, pale green alteration + calcite	68.9			69	
70	weak				weak	mT, py, Fl, Mo		Veinlet @ 75°, 2mm - 1.5cm of mT, brecciated (3), py, minor Mo		generally fresh, slightly porphyritic, many fractures contain py, gtz, minor Mo + pale green alteration		96.7			
71								Fracture @ 35° with Mo, py pale green alteration, also others have gtz, mT, Mo, hem							
72											71.9			72	
73					weak	mT, py, Fl, Mo		2mm - 1cm veinlet @ 25° with py, gtz, Mo		Mainly equigranular, fresh, 5-10% matics, many of the low angle fractures contain Mo. Fractures with py + minor Mo ± 7.5cm apart. pink matrix, more disseminated Mo.		83.9			
74	weak							Veinlet @ 15° 1-3mm wide with mT, py, Fl, Mo							
75								Fracture 70°			75.0			75	

HOLE NO.: P14 | PROJECT: DEER PARK | PAGE NO.: 6 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
75										75			75	
76								Veinlets @ 40°, .3mm of gtz, mt, py minor Mo 1 every 12cm, veinlets contain to top of dike below						
77					1 weak	1 mt/py/Fl Mo		Fractures @ 60° - clean - 1 every 15cm	.5% mt/trace chm 1% py		100	NQ		
78	1	1	1	1				Upper Contact @ 25° - sharp Fractures @ 60° ± 1 every 12cm most fractures along calcite veinlets 1mm or less wide		78			78	
79								77.55 - 78.95m Fine grained andesite (5a) very fine grained, dark green with small (1-2mm) clots of calcite + chloritized hornblende. magnetic, clots make up 15% of dike - 20% calcite, 80% hornblende rare pink anhedral feldspar phenocrysts 2mm chill zone. 78.1-78.4 dike on dike have chloritized mafics						
80	weak				weak	mt, py, Fl		Lower contact @ 25° - sharp minor breccia Fractures @ 90° mainly contain gtz - mt.			96.7			
81	1	1	1	1	1	1	1	Coarse grained biotite hornblende monzonite (13) Upper Contact @ 45° - sharp Fracture @ 60° - 1 per 15cm (calcite veinlets) Lower Contact @ 30° - sharp	2 pt	81.1			81	
82								79.09 - 81.15m Fine grained andesite (5a) similar to above, moderate chloritization at base + top	.5-1% py					
83	weak				very weak	mt, py Fl, Mo		Veinlet @ 55°, 2-3 mm of gtz, mt thin - has silicified up to 5mm on either side Fracture @ 40° Vein @ 30°, 5mm of py, gtz, trace Mo + brecciated (3)	Coarse grained biotite hornblende monzonite (13) quite fresh partial alteration of mafics, pale green (possible weak propylitic - many veinlets have caused silicification of the surrounding rock for a few mm. 83.6 m to top of dike - numerous 1mm or less veinlets of gtz + py and mt thin., avg. 1 every 1.5cm, also increased propylitic alteration to top of dike - gives rock a mottled green colour	1/2 mt, trace chm 1-1.5% py		100			
84								Veinlets @ 50° - numerous + causing brecciation in some spots		84.1			84	
85	weak													
86								Upper contact @ 50° - sharp Fracture @ 50°	2 pt, trace chm 1% py		100			
87	1	1	1	1	1	1	1	Lower Contact @ 35° irregular 10cm patch of mt, py + gtz		87.2			87	
88	mod. high			weak-strong	weak			Fracture @ 55°, minor chl + hem. 88.8-88.94m - section of core nothing but gtz 60%, chl 30%, py 10%, homogeneous possible small fault zone @ ± 90°	Coarse grained biotite hornblende monzonite (13) 89.2 - 89.0m - highly silicified 5-85% gtz sections of core up to 3.3cm of 80% gtz, other spots alternating bands of monzonite + (3) - propylitic alteration of the rims of some of the feldspar phenocrysts disseminated mt, py, little veining of these two quite porphyritic - white cores, then pink with fine white rim	1% mt, trace chm 1% py	89.0	99.4			
89														
90								veinlet @ 30°, .2mm. py			83.3		90	

HOLE NO: P14 | PROJECT: DEE PARK | PAGE NO.: 7 OF 51

COLLAR ELEV.. | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
90													90	
91	very weak			very weak	very weak	mT, py		Fractures 1 every 15cm avg. Fracture @ 60°, py along some next to no veinlets	1-1.5% mt, trace py	90.2				
92								Veinlet @ 25°, 2mm of mt, minor chl + gtz	1-2% py		96.8	NQ	93	
93										93.3				
94	very weak			weak	very weak	mT, py		Veinlet @ 60°, 1mm of mt + gtz	.5-1% mt					
95								Fractures at 60° & 30° in opposite directions	.5-1% py		100.			
96								low angle fractures have py, sometimes mt, chl + epidote		96.3			96	
97	very weak				mod	mT, py, trace Fl		Fracture @ 70° - 1 per 3cm - clean	97.5 - 97.75 m - moderately altered, 5-10% porosity slightly sugary, higher mt. content than above or below trace Fl					
98									1% mt		100			
99						mT		Upper Contact @ 60° - sharp	98.6 - 100.45 Fine grained andesite (5a)	0.5% py			99	
100					weak	mT		Fracture @ 60°, clean, 1 per 15cm	Dark green, very fine grained, with chloritized mafic (2mm) clots. some smaller calcite clots near center of dike, magnetic, no pyrite. more chloritized near base of dyke.	99.4				
101								lower Contact @ 40°. sharp	2mm chill zone at bottom		100			
102				mod	weak	mT, py trace Fl	mT, py	Veinlets @ 30°, 1mm of chl, mt, calcite trace Fl, py	Coarse grained biotite hornblende monzonite (3)	2% mt			101	
103								Fractures @ 60°	101.4 - 102.4m - moderately altered, mottled green + pink-white colour - center 30cm: 5-7% mt, 1.5 py., 2% porosity, green alteration - chlorite, not porphyritic. top of alteration zone sharp; lower gradational.	1% py				
104								Veinlet @ 40°, 1mm of gtz		102.9				
105								Fractures @ 35° + 55° py + Fl in some fractures	fresh, moderately porphyritic, phenocrysts upto 1cm², white centers, pink rims, phenocrysts often jagged	1% mt 0.5% py	96.8		105	

HOLE NO.: [illegible]14 | PROJECT: DEER PARK | PAGE NO.: 8 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21 180 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21 180 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock.

SECTION	ALTERATION: Silica	Sericite	clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
105								Vein @ 25°, 5mm of chl, mt, qtz + brecciated (3)	Coarse grained biotite hornblende monzonite quite fresh, weak-mod. porphyritic, pink/white phenocrysts, 4-5% mafics					105	
106	weak				weak	mt, py		7m zone of brecciated (3), matrix mainly chlorite. Veinlets @ 40°, avg 2mm wide, mainly qtz + py, minor mt., 4cm apart		1-1.5% py mt	1055				
107										1% py		100.0	NQ		
108								Fractures @ 50° these often follow fine veinlets of py, mt, chl/clay + trace Fl 1 per 15mm	Some veinlets of qtz + mt. at 108.5m					108	
109								Veinlet @ 15°, 9mm wide mt + hem in center (1.5mm) qtz on either side.	-quite fresh, equigranular to slightly porphyritic over lengths of 30 cm, max. 20% phenocrysts, generally more potassic (pink) rims, where well zoned phenocrysts have white centers, then pink, then white + finally pink rims,	1-1.5% py minor hem	1085				
110						mt, py				1% py		93.5			
111									slight alteration of mafics to pyrite, also minor mt. trace epidote					111	
112	weak				weak	mt, py		Veinlets @ 30°, avg. 1mm or less, mt + qtz 1 per 2cm, slight brecciation.			1116				
113								Fractures @ 55°, clean, 1 per 10cm Veinlet @ 15°, 1mm of mt, qtz + py	slightly to moderately porphyritic, phenocrysts - euhedral • square max 1cm², to rectangular to joined to oval + irregular	1-1.5% mt		100.0			
114										1% py				114	
115	weak				weak	mt, py trace Fl		7m zone of moderate alteration, 3% porosity, mt, py, weak chloritization Fractures @ 60°	quite fresh, slightly porphyritic, very weak propylitic alteration, epidote occurs along micro veinlets @ 30° + also in occasional clots of alteration with chlorite py finely disseminated. most veinlets are mt with qtz on either side, avg 1 per 0.4m	1% mt, trace hem	1146				
116										1% py		96.8			
117						mt, Fl, trace Mo		Vein @ 50°, 2-5mm of mt, feldspars silicified for 15cm on either side trace Fl, slight chloritization of mafics						117	
118				along main veinlet	weak to mod.			Magetite vein @ 40°, 1 cm wide Fracture @ 60°	slightly porphyritic, fresh, trace epidote, chlorite mainly along 1 ing veinlet. rare qtz veinlets	1.5% mt, trace hem	1177				
119				very weak		mt, Fl, trace Mo		Veinlet @ 10°-0°, 0.1-2mm wide with mainly mt, minor chl, hem, cal, Mo, Fl runs from 118.7 - 120.85		1% py					
120								Fracture @ 60°, clean						120	

HOLE NO.: P14 | PROJECT: DEER PARK | PAGE NO.: 9 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T Pollock

COMMENTS: Several dikes present, weak to moderate alteration of monzonite (13). low magnetite compared to previous monzonite + dikes.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
120													120	
121				weak, strong along vein	1 weak-mod	1 mt, py, fl		Fracture @ 60°, clean Veinlet @ 5-10°, 0.1-2mm of mainly chl + mt, minor fl, calcite, Mo? from 120.95-122.5m Coase grained biotite hornblende monzonite (13) quite fresh, poorly porphyritic weak porphyritic alteration - chlorite strong along main veinlet which splits core in two, pale green alteration of some phenocrysts & along small veinlets out from main veinlet.	1% mt, trace py .5% py	120.7	93.3	NQ	123	
122														
123	1	1	1		1	1 mt, py, fl		Veinlets @ 30°, 1mm or less of mt, py qtz + fl, 1 per 25mm.						
124	weak				1	fl		Fracture @ 65° quite fresh, few phenocrysts		123.7				
125	1 in dacite	1	1	1 mod	1 weak	1 mt, py		Upper Contact @ 35° - sharp but wavy, 5mm chill zone Fractures @ 40° minor calcite veining, 1mm or less generally no veinlets Fracture @ 35°, chl. on fracture Lower Contact @ 40° - sharp	1% mt .5-1% py		100.0		126	
126														
127										126.7				
128					1 very weak	1 mt.			mt 1/2 py 1/2		100.0			
129													129	
130					mt-py	mt-py		124.63 - Porphyritic feldspar biotite andesite (5c), dike fluids have penetrated 25mm into (13) giving it a darker color + breaking the rock up med. grey matrix, 20% "collaform" shaped dark pale phenocrysts with light pink rims 125.2 - dike on dike contact. dike becomes increasingly lighter toward the center. from 126. - 129.5 rock is like a dacite porphyry to a chloritized (13), phenocrysts pale green centers matrix medium grained. toward bottom of the dike, its colour becomes darker and the matrix → aphanitic + chloritization increases bottom 10cm has disseminated py + fl. mt. disseminated Chill zone - 1cm.		129.8				
131	1 mod		1 mod	weak-mod	1 weak	1 py		Vein @ 35°, avg 5mm of qtz + chlorite minor fl Fracture @ 55°	mt <.5% py <.5%		93.3		132	
132								Cease grained biotite hornblende monzonite, from 131-132 moderate to strong alteration, pale green-pink colour. rock easily scratched, almost no black minerals - completely turned to pyrite. 121.3 - 131.4 rock crumbly - rock also shot through with a fine rectangular veinlet network of qtz, with mt., quite porphyritic in spots, green centers + pink rims.						
133				rock becomes more pink + harder toward dike		py				132.8				
134	mod			weak-mod	weak	py, mt		Upper Contact @ 30° - sharp Fracture @ 20° - 1mm chlorite Lower Contact @ 55° - sharp, fine chill.	.5% mt 1.5% py		100.0			
135					py, fl			133.0 - 139.14m Dacite porphyry pinkish-green colour matic clots as above chloritized many small irregular qtz minor fl veinlets. Fracture @ 25°, with chl. + fl. Coarse grained biotite hornblende monzonite. quite fresh					135	

HOLE NO.: P14 | PROJECT: DEER, ARK | PAGE NO.: 10 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70 | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	E M.
135					weak	py, Fl	/	Fracture @ 55°, clean Coarse grained biotite hornblende monzonite weak pale green (chlorite) alteration, poorly porphyritic	.5% ant, trace hm	135.9	100	NQ	135		
136	weak	-	-	weak to mod	weak	1 py	/	Upper Contact @ 30° - sharp 135.85 - 139.75 Dacite porphyry dike is much darker near its top + base slightly magnetic	.5% ant, trace hm						
137							/	Fracture @ 55°, minor chlorite 1 per 10cm,							
138							/	occasional veinlet of chlorite present irregular orientation.			100		138		
139							/	Fracture @ 75° - clean 15% feldspar anhedral phenocrysts, chloritized in the center, pinkish rims, size 3mm to 1cm across. some small phenocrysts completely chloritized other chlorite patches may be altered black mafics matrix orange-grey to buff, - fine grained to aphanitic		139					
140							/	Lower Contact @ 35° - sharp pyrite finely disseminated to cubic (2mm²)							
141	-	-	-	-	weak	py, Fl	-	Veinlets @ 25°, 1mm or less of qtz + chl, minor Fl. 1 per 2 cm Coarse grained biotite hornblende monzonite no phenocrysts, homogeneous, fresh, little magnetite very weak chloritization of mafics	.5% ant	141.8	96.7		141		
142							/	Fracture @ 30° minor chlorite Upper Contact @ 20°							
26								141.8 - 144.78m Dacite Porphyry Upper 10cm is a zone of brecciated + chloritized (?)							
143					very weak	1 py	/	pink phenocrysts with very intensity of chloritized centers. phenocrysts 25%, irregular shape	.5% ant, trace hm		100				1
144	-	-	-	weak			/	Fracture @ 70°, clean phenocrysts that aren't altered have lighter pink rims than cores Lower Contact @ 35° low magnetite		144.78			144		
145							/	Coase grained biotite hornblende monzonite (?)		145.1					
146					weak	1 py	/	Fracture @ 60°, clean fresh except 145 - 145.4 - moderate porphyritic alteration	.5% ant	145.7	100				1
147	-	-	-	weak epidote	-	-	//	porphyritic, minerals in groundmass difficult to distinguish except for mafics, slightly magnetic Veinlets @ 55°, irregular, mt + qtz	.5% ant		95.8		147		
148								rare 2mm veinlets of mt.		148.1					
27					weak	py, Fl	/	Veinlet @ 35°, 1mm of mt.	.5% ant.		96.8				
149							/	very weak propylitic alteration (epidotization + chloritization of mafics).							
150	-	-	-	-	-	-	-	Fracture @ 60°, calcite + Fl.					150		

HOLE NO.: 214 | PROJECT: DEER PARK | PAGE NO.: 11 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21 /80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21 /80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
150				weak with epidote	weak			Fracture @ 65° + 40° in opposite directions. Low angle fractures have chl, epidote, py, trace Mo	Coarse grained biotite hornblende monzonite (13) quite fresh, slight porpylitic alteration. epidote + chlorite mainly along hairline veinlets. slightly porphyritic, phenocrysts mainly white centers pink rims, slight pyritization of mafics.		.5-1% mt. .5-1% py	151.2	96.8	NQ	150	
151																
152								Veinlet @ 20°, 2-3mm of qtz, py, mt + Fl								
153					weak	mt, py, Fl, Mo, ep		Veinlets @ 25°, 3mm of mt, Fl, trace Mo 1 per 7cm. 153.4-153.6 - crumbly zone with, mt, qtz, chlorite Mo + ep., Fractures 30 + 40°	locally 5% qtz - in crumbly zone fracture pieces are mainly coated with qtz + Mo.				100		153	
154												154.2				
155				weak	weak			Fracture @ 50°, clean	154.55 - 155.9m Dacite porphyry pink matrix fine grained with 25% pinkish phenocrysts. more calic centers, little mt., minor chl + ep, Fl.		.5% mt.					
156								minor qtz veining	Coarse grained biotite hornblende monzonite fresh, little phenocrysts.		.5-1% py		100		156	
157					moderate	mt, py		Upper Contact @ 80°, sharp	156.88 - 157.14 Porphyritic Feldspar Biotite Andesite (5C), phenocrysts pink centers, cream rims, slight alteration (epidote) of phenocrysts.		.5-1% mt	157.3				
158								Lower contact @ 80° Fracture @ 24° Fractures @ 15°, coated with mt + ep, trace Mo			.5-1% py					
159						Mo, mt, py		Fractures @ 65°, 1 per 6cm Fracture @ 10°, with chl, trace Fl + Mo	Coarse grained biotite hornblende monzonite (13) quite fresh, slightly porphyritic local pyritization of mafics				100		159	
160												160.3				
161					weak to mod.	Mo, mt, py, Fl		Fractures @ 70°, 1 per 10cm, clean.	5-10% quartz		.5-1% mt 5-10% py					
162								Vein @ 35°, 5mm of mt, epidote minor Mo, chl Fracture @ 25°, mt, Mo, minor epidote, chl + hem.	162.15 - 10cm + 5cm oval patch of pinkish grey aplitic monzonite, slight propylitic alteration.				100		162	
163								Fracture @ 30°, with mt, py, Mo Epidote on steeper fractures								
164					weak			Fracture @ 75°, clean.	163. - 163.9 - most feldspars - calcic, granodiorite composition, gradational with monzonite occasional subangular grey alteration clots. weak to mod. pyritization of mafics.		.5% mt 1-1.5% py	163.4	100			
165															165	

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 12 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. Pollock

COMMENTS: Fresh coarse grained biotite hornblende monzonite.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT	E M.
165													165		
30								Fracture @ 25°, with mt, chl, ep., ham. Fracture @ 60°, clean							
166				very weak	weak	py, mt, trace Fl		Coarse grained biotite hornblende monzonite (13) quite fresh, slight pyritization of matics weakly to mod. porphyritic	.5% py & mt, trace chem. 1-1.5% py		100.				
167										166.4		NQ			
168	-	-	-					Fracture @ 35° with mt, chl, qtz, Fl, py 168.15 - 168.4 - broken with 35° fractures, mainly mt + qtz, trace Mo			96.8		168		
169								Fracture @ 20° chl, mt, trace Mo+sp.	weakly porphyritic, fresh						
170										169.5					
171	-	-	-					Fracture @ 30°, chl, mt, Fl also clean fractures @ 70°	fresh, few phenocrysts, increasing qtz content ≥ 10%.		100.		171		
31									1/2% mt. .5% py						
172								Fracture @ 70°, clean, 1 per 15cm.	fresh, few phenocrysts, occasional very fine mt veinlets						
173										172.5					
174	-	-	-					Veinlet + small stringers @ 28° mainly qtz, mt, py minor Fl.	1.0% mt. .5% py		100.		174		
175								Veinlet + small stringers @ 23°, qtz, mt Fracture @ 60°, clean	174.7 - 175.3 - 2% fine disseminated py, minor chlorite slightly brecciated locally phenocrysts up to 1/cm², generally few phenocrysts	174.7					
176									1½% mt. 1% py	175.6					
32															
177	-	-	-					Fracture @ 60°, mt, chl, ep + py. Other fractures @ 70-75°, clean.	Coarse grained biotite hornblende monzonite (3)		100		177		
178								Veinlet @ 35°, 1 cm mainly mt, qtz, minor Fl, chl, trace Mo + epidote	fresh, slightly porphyritic, ≥15% phenocrysts - generally white with pink rims, anhedral to euhedral, matrix coarse grained + pink. Composition - matics 7%, plag 30%, K-feldspar 50%, 3% - mt, py, chl.						
179								Fractures @ 70° + 45° in opposite directions, clean.	.5-1% mt .5-1% py	178.6	96.7				
180	-	-	-										180		

HOLE NO: 014 | PROJECT: DEEP PARK | PAGE NO.: 13 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. POLLOCK

COMMENTS: Quartz content increasing, avg. composition quartz monzonite.
Fine Mo-Qtz veinlets 193.0 - 193.7

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
180								Coarse grained biotite hornblende monzonite (3) fresh, 15-20% phenocrysts, biotite visible, trace epidote, slightly magnetic, slight pyritization of mafics					180	
181					Low	nt, py		Vein? @ 45°, 5cm of dark grey fine grained matrix small (avg 3mm) feldspar phenocrysts	1% nt		96.7			
182	-	-	-	-	-	-	-	Veinlet @ 50°, 2mm of nt + qtz	1% py	181.6	85.7	NQ		
183								Two sets of fractures @ 40-65°, ± 100° apart, clean.		182.3	91.7		183	
184	weak							Vein @ 20°, 2-3mm of mainly qtz minor py						
185					Low	nt, py		185.0 - 189.65m Fine grained andesite (5), dark green, occasional round feldspar phenocryst, minor calcite veining, .5-2mm wide around 187m. low magnetite content., locally up to 1% py near base of dike	.5-1% nt,	184.7				
186	-	1	1	mod in dk.	weak	1	nt	Upper Contact @ 60°, sharp, 2-5mm chill zone			96.7		186	
187								Most fractures @ 60°						
188	1 weak				weak	nt,		Vein @ 30°, 4mm of qtz, minor py + calcite	1% py	187.8				
189	moderate	1	-	-	-	-	-	Fractures @ 70° + 35° in opposite directions, minor calcite.			100.0		189	
190								Vein @ 23°, 2mm of qtz						
191					very weak	nt, fy Fl, Mo		Vein @ 15°, ± 1cm wide of mainly chlorite, minor cubic (1mm²) py + hem + fragments of (3).	.5-1% nt, .5% py	190.8				
192				1 weak				190.8 - 190.5m - aplite			100.0		192	
193	moderate			weak	weak	Fl, nt, Mo		Fracture @ 75°, minor calcite	.5% nt, .5% py	193.7				
194								Veinlets @ 25°, 1-3mm, mainly qtz with Mo, veinlets parallel			100.0		194	
195								Fracture @ 70°, minor clay					195	

191.15 - 191.4m - Breccia, matrix mainly nt, minor qtz, chl, 1% py + Fl.
coarse grained, faintly porphyritic

qtz-Mo veinlets - 193.0 - 193.7 highest density 1 per 8mm, lowest 1 per 20cm. some disseminated Mo.
Qtz monzonite to Granite composition.

189.5 - 189.95m - Breccia, matrix is mainly qtz (clear + milky) sometimes with a pale green tint (chlorite?). lower contact @ 30° + sharp, upper contact - gradational fragments are of the surrounding rock type + very angular.

182.5 - 182.65 - Vein-like structure (contacts at 45°) where matrix is aphanitic + pink; only 25% of the area is phaneritic
1 oval shaped area (5 x 2.5cm) at 183m of granodiorite composition - area is white with ± 20% qtz.
rock roughly 10% qtz

185.0 - 189.65m Fine grained andesite (5), dark green, occasional round feldspar phenocryst, minor calcite veining, .5-2mm wide around 187m. low magnetite content., locally up to 1% py near base of dike

Coarse grained biotite hornblende monzonite (13) to quartz monzonite.

HOLE NO.: [illegible]214 | PROJECT: OEER . ARK | PAGE NO.: 14 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180 | TOTAL DEPTH: 762.6 m. | LOGGED BY: T Pollock

COMMENTS: Good Mo in dikes.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
195												NQ	195	
196								Fracture @ 65°, minor calcite			100.			
197	-	-	-	weak	weak	mt, py		Quartz monzonite, fresh, coarse grained slightly porphyritic, phenocrysts both calcic + sodic also zoned. Fracture @ 15°, mainly clay trace Mo	.5% mt	196.9				
198								Fracture @ 60°, clean	.5-1% py				198	
199.36								Veinlet @ 35°, 1mm of mt, minor qtz + py, dark grey alteration around veinlet.			96.7			
200				weak	weak	mt, py		198.3 - 192.7m alternating zones of qtz monzonite, aplite, + patches of fine grained dark grey areas with feldspar crystals + qtz grains. minor chl + epidote,	1.0% mt	199.9				
201	-	-	-	-	weak	mt, Mo		Upper Contact @ 45°, sharp Veinlet @ 40°, 1mm of qtz + Mo, major epidote surrounding vein, minor py	.5% py				201	
202				weak		mt, Mo, Fl		Fractures @ 20°+70° shallow fractures - chl + Mo, steep - Ca? Fracture @ 65°			100.			
203								Lower contact @ 20°, irregular	1% mt	203				
204	-	-	-	-	-	-	-	Veinlets @ 20°, 1mm of mt, qtz + py 1 per 2.0cm	<.5% py				204	
205.37								Fractures @ low angles, coated mainly with chl + mt, minor py + hem.	2-3% mt, minor hem		100.			
206				weak	weak to mod.	mt, trace py, Fl			<.5% py	206				
207	-	-	-	-	-	-	-	Fractures @ 70° (clean) + 20° - chlorite, qtz + Fl			100.		207	
208								fresh, trace chl + epidote weakly porphyritic						
209				weak	weak	mt, Fl		Fracture @ 60°, clean	1% mt	209.8				
210	-	-	-	-	-	-	-	increasing qtz	<.5% py		96.7		210	

HOLE NO.: D. 1 | PROJECT: DEER PARK | PAGE NO.: 15 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6m. | LOGGED BY: T. Pollock

COMMENTS: Coarse grained biotite hornblende monzonite.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
210													210	
38 211				1 weak	1 weak	1 mt, minor py		Fractures @ 70° (clean) + 20° chl + hem. Veinlet @ 10°, 1mm of mt + qtz			96.7			
212								Coarse grained biotite hornblende monzonite to qtz monzonite minor propylitic alteration of mafics, + along veinlets ≥ 10% qtz	1% mt <.5% py	212.1				
213	-	-	-	1 weak	1 weak	1 mt.		Fracture @ 45°, minor chl,					213	
214								Fractures @ 20° with mt, chl + hem + at 65° - clean.			96.7			
215				1 weak	1 weak	1 mt.		Veinlet @ 35°, 1mm of mt. + qtz.	fresh, slightly porphyritic, 7-10% qtz occasional light grey alteration patch. slight propylitic alteration of mafic minerals	1% mt. py nil	215.2			
216	-	-	-										216	
217				1 weak	1 very weak	Fl		Upper Contact @ 45°, sharp 216.7 - 217.2 - vein, ≥ 11 to the core, 2mm of chl. minor calcite	216.6 - 218.45 Monzonite - Qtz monzonite porphyry, fine grained pink matrix with 20-25% pink anhedral feldspar phenocrysts. bottom + top 10cm of dyke go from grey to black aphanitic matrix, slight chloritization in centers of phenocrysts, more mt. at ends of dike.	.5% mt. py nil	218.2	100			
218								Lower Contact @ 65°, sharp						
219	-	-	-	1	1	1	-						219	
220	-							Veinlet @ 10°, 1-8mm of mt + qtz minor chl, Fl, hem.	Coarse grained biotite hornblende monzonite 5-10% qtz weakly porphyritic, weak propyilitic alteration of mafics, occasional rounded grey patch of alteration	.5-1% mt py nil	221.3	96.7		
221								Fractures @ 20° mt + epidote also at 35° with epidote + chl. two sets ≥ 90° apart.						
222 40	-	-	-	1 weak	1 weak	1 mt, minor Fl		Fracture @ 60°, minor chlorite.			222.5	100.	222	
223				1 weak along fractures + epidote alteration	1 weak	1 mt, ep.		Fractures @ 65° some clay + @ 45° minor chl + ep.	5-10% qtz, weakly porphyritic, quite fresh Fine disseminated magnetite.	1% mt. py nil		91.7		
224								Veinlet @ 30°, 1mm of qtz minor mt, ep. alteration along veinlet.	rare aplite patches.		224.5			
225	-	-	-									100	225	

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 16 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180 | TOTAL DEPTH: 762.6m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
225								Veinlet @ 30°, 1mm of qtz+py					225	
226								Coarse grained biotite hornblende monzonite. fresh except for 227.-227.6 where the rock has about 2% porosity, high mt content. plus minor chl, py + hem. feldspars have a white pink colour						
227				weak mine ep.	weak	mt, py, Fl		Fractures @ 75°, clean, + at 30° minor chl	1.5-2% mt. .5-1% py	227	100.	NQ		
228	-	-	-				-	228.2-228.7 - Fracture-veinlet minor coating of mt, chl, hem, Fl + Mo					228	
229								≈10% qtz.						
230				weak	moderate	mt, trace Mo		Fractures @60°, clean, 1 per 15cm	1-1.5% mt, minor hem .5% py	230.1	96.3			
231	-	-				-	-	Fractures @ 65° minor clay, + at 25°, 2mm zone of mainly py qtz+mt, minor hem, ep + Mo					231	
232								quite fresh, 5-10% qtz, weakly porphyritic moderate alteration of matics by chl+ep plus mt. mt is fine disseminated.			96.7			
233								Fractures @ 75°, clean, 1 per 11cm Veinlets @ 65°, 1mm or less of qtz + clay, 1 per 1cm, some fractures follow veinlets	.5-1% mt. <.5% py	233.2				
234	-	-				mt		rare grey alteration patch. ≈10% qtz, locally to 15%, 5% matics pink-grey colour					234	
235								Fracture @ 63°, minor chl 235.55-235.3 -/+ angle fracture veinlet, 1-2mm of mt + py minor qtz, Fl, hem + calcite			93.3			
236								235.9 - 13cm vein-like zone of apalite						
237	-	-	-				-	quite fresh, slightly porphyritic, 10% qtz, mt finely disseminated + along fractures occasional patches of fine grained alteration ?: like a grey patch of apalite.	1% mt .5% py	236.2			237	
238								Fractures @ 75° + 45° Veinlet @ 27°, 1mm of qtz+py+mt			90.3			
239								5% matics, 5-10% qtz, 55% K-feldspar, 30% plag., minor chl replacing around matics, along with mt., weakly porphyritic - phenocrysts are mainly pink but often broken up with plag. little veining.	.5-1% mt. py nil	239.3				
240	-	-	-				-	Veinlets @ 70°, .2mm of chl, ep, qtz Veinlet @ 20°, .2mm of chl + ep. Fracture @ 60°, minor chlorite,			100.		240	

HOLE NO.: DP14 | PROJECT: DEER PARK | PAGE NO.: 17 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
240								Coarse grained biotite hornblende mozonite weakly porphyritic, ≥ 5% phenocrysts - largely plag with potassic rims. ~5% mafics, minor disseminated hematite. 5-10% qtz., trace chl + epidote.		.75% ant, minor hem py nil				240	
241					weak	mt.		Fractures @ 65° clean + @ 20° minor mt, chl + ep.							
242								Fracture @ 65°, clean.			242.3	100.	NQ		
243	-	-	-	-				Fracture @ 70°, clean						243	
244					weak			Veinlet (broken) @ 23°, ≥ 5mm of mt + qtz, minor hem				93.8			
44								Veinlet @ 35°, .7mm of mt + qtz.							
245											245.5				
246	-	-	-	-	-	-		Veinlet @ 25°, 4mm of mainly mt, minor py, qtz + brecciated (3)		.5-1% ant, minor hem py nil				246	
247					weak	1 mt, trace Mo		Fractures @ 65°, clean + at 25°, chl - mt, minor py.				96.7			
248								Veinlet @ 20°, 4mm of mt, minor chl + py, trace Mo + Fl.		1% mt. .5% py	248.5				
249	-	-	-	-	-	-		Fracture @ 25°, weak chl, ep + Fl			249.6	100.		249	
250 45															
251					weak	mt		Fracture @ 70°		1% mt, trace hem py nil	251.8	83.6			
252	-	-	-	-	-	-		Veinlet @ 17°, < 1m of qtz, minor ep						252	
253								Veinlet @ 20°, 1mm of mt, minor ep + hem				90.0			
254					weak	mt		fresh, 7% mafics, mt finely disseminated. weakly porphyritic, biotite visible.		1 Cont py nil	254.8				
255	-	-	-	-	very weak									255	

HOLE NO.: P 14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 80+00 N. 78100 E.
INCLINATION: -70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: JUNE 21 /80
DATE FINISHED: JULY 21 /80
TOTAL DEPTH: 762.6 m.

PAGE NO.: 18 of 51
REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
255								Fracture @ 55°, clean.					255	
256								2cm zone of mt veinlets @ 15°						
								Veinlet @ 7°; 2mm of mt + py minor qtz	1.5-2% mt		96.7			
257								Vein @ 7°, from 257-257.45	.5% py			NQ		
96								max. 1cm of mt, minor py, qtz +						
258	-	-	-	1	1	1	-	brecciated (3)		257.9			258	
259														
260				1 weak	1 weak	1 mt		Fracture @ 65°; minor mt.	1% mt		100.			
261	-	-	-				-		py n.i	260.9			261	
97								Veinlet @ 40°, 1mm of qtz, crg						
262								1 per 30cm.						
								Fracture @60°, clean, 1per 10cm						
263					crg to mod.	mt		Veinlet @ 35°, 1mm of qtz + mt.	1% mt.		93.5			
								Veinlet @ 20°, 2mm of qtz + mt.	py n.i					
264	-	-	-	-	-	-				264.			264	
								264.8 - 266.85m - Porphyritic Andesite (56)						
265					high	mt, py		Upper Contact @ 75°, 4mm chill zone, uneven contact						
								fractures @ 45°, coated with clay, Fl						
266				w	low	mt, py		lower contact very irregular.	.5-1% mt.		96.7			
								dark grey to green aphanitic matrix with 20% pink (K-feldspar) phenocrysts (anhedral to	py .3%					
267	-	-	-		1	mt, py, Fl	-	anhedral).		267			267	
								slightly magnetic						
268				mainly along fract.'s	high	mt, py, Fl		Upper Contact @ 40° quite sharp, 5mm chill zone.						
								Fractures @ 65°, mt, py + Fl + @ 50°, clean, 1 per 7cm.						
269								Fractures @ 65° + 30°, steep fractures have clay, also some fractures splitting the core, these have mt, py chl, Fl, hem	.75% mt, trace hem		96.7			
								Coarse grained biotite hornblende monzonite. weak chloritization of mafics.	py .5%					
270	-	-	-		1	1 mt, py, Fl	-	267.31 - 270.5m (56)		270			270	
								Andesite porphyry (56)						
								Similar to above but with .1% fine disseminated						
								py + along fractures with mt.						
								dike becomes lighter toward the center as does						
								the py content.						
								middle 30cm - trachyte porphyry - pink-beige matrix.						
								py 1%, mt low.						

HOLE NO.: L 14 | PROJECT: DEER PARK | PAGE NO.: 19 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70 | BEARING: 180° | TOTAL DEPTH: 762.6m. | LOGGED BY: T. Pollock.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
270					high	mt.		AVE CORE REC'Y / HOLE	Porphyritic Andesite (5b). 270-270.5 highly fractured mt. content + colour darkness increases at top + bottom of dike.		270.			270	
271				weak	low	1 mt, py, Fl		mt, py veinlets Fractures @ 85°, clean. 1 per 10cm				87.1	NQ		
272.49								Veinlet @ 20°, 1-2mm of mt, minor hem + chl.	Coarse grained biotite hornblende monzonite, slightly altered, whitish-pink colour, 1-2% porosity, numerous irregular + crosscutting veinlets of mt, qtz + mt, and mt + py.	2% mt, minor hem.					
273								Fracture @ 60°, minor clay.	looks if the mafics (hbl + minor biotite) have been eaten away giving the rock its porosity. 10% qtz.	12% py	273.1			273	
274									273. → quite fresh, slightly porphyritic, 5-10% qtz., weak propylitic alteration of mafics + some phenocrysts (in the center).			100.			
275				weak	weak	1 mt.		Veinlet @ 22°, broken, 1-4mm of qtz + mt. Fracture @ 60°, clean.		.5-1% mt.					
276								276.55m - 2.5cm dike offshoot from below		nil	275.8			276	
279				weak to mod.	weak	1 minor mt.		Upper Contact @ 27°, sharp Fractures @ 65°, clean + @ 40° minor chl + ep, trace Mo?; steep ones more dominant.	276.7 - 279.2m: Fine grained andesite (5), dark green colour, very fine grained with 1% or less round to oval pink phenocrysts. dike appears to have a high chl. content with epidote in veinlets. low mt content.	.5% mt.		100.			
279.50										nil	278.0				
279										py		79.2		279	
280				low	weak to mod.	1 mt, py, Fl		Upper Contact @ 20°, sharp., considerable epidote at contact.	279.2 - 284.47m Dacite to trachyte porphyry. matrix aphanitic + dark grey to pink-grey	.5-1% mt.					
281								Fractures @ 50°, clean + 20° minor chl + mt. Trace Mo on fractures, also Fl	qtz content unknown. ≥ 25% pink felds, par subhedral phenocrysts.	<.5% py	280.9	94.4			
282								Fracture + Veinlet @ 45°, 1mm of chl, mt, py Veinlet @ 30°, 1mm of mt + py + Fl. Veinlet @ 50°, 1mm of mt + py	higher mt content than above dike.		282.2			282	
283								Fractures @ 50°, minor py + @ 35° with py, chl., mt + Fl.	pinkish-grey matrix, fine disseminated py, aphanitic matrix.	.5-1% mt.					
284.51					moderate	1-3% mt, Fl		Fracture @ 35°, py, chl + mt, minor Fl.		.5% py		100.			
285								Contact @ 35°, irregular.	284.47 - 286.16: P. rp. Feldspar Biotite Andesite (5c)					285	

HOLE NO.: 214 | PROJECT: DEER PARK | PAGE NO.: 20 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21, 80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6m. | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
285								Contact @ 40°, quite sharp, 6mm chill zone.	20% subhedral pink feldspar phenocrysts, dark grey-green matrix, slightly magnetic, local patches of hem.	1-5% mt, minor py	285.3	100.	NQ	285	
286					wea k	mt py	nr	Contact @ 40°, irregular							
									Coarse grained biotite hornblende monzonite(3), weakly altered, 5% mt in veinlets + patches, weak chl. + py							
287					wea k			Contact @ 30°, sharp. Fracture @ 55°, clean.	286.95 - 288.17 Fine grained Andesite (5) dark green, more magnetic than porphyry dikes			100.			
288	-	-	-	-	-	-	-	Contact, @ 25°, quite sharp Contact 55°	288.17 - 288.6m Andesite porphyry dike.		288.3			288	
289 52					weak,	mt, py, Mo, Fl		Fractures @ 50° + 70°, clean,	Coarse grained biotite hornblende monzonite 3-10% qtz						
290								Fractures @ 65°, clean. Low angle fracture from 289.15' - 289.6, mainly qtz + mt, minor Fl.	289.6 - 290.4 - weakly altered, quite magnetic, local 1/2% porosity, weak chloritization of matrix, numerous irregular veinlets of qtz, qtz + mt.	1/2 mt, <.5 - 2% py		96.7			
291	-	-	-	-	-	-	-	Fractures @ 55°, clean, 1 per 12cm.	290.7 - 299.2 Andesite porphyry. dark grey aphanitic matrix, pinkish-grey in the matrix, 1% biotite.		291.4			291	
292					weak,	mt, minor py		Veinlet @ 20°, 1m of qtz + py., other finer veinlets run ∥ parallel to the core.	15-20% phenocrysts, at top of dike, they have grey centers + pink rims, in the center of the dike they are all pink; in center as well there is a greater variety of sizes plus a higher percentage of phenocrysts.	.5-2% mt <.5% py		100.0			
293															
294	-	-	-	-	-	-	-	Fractures @ 80°, irregular, clean			294.4			294	
53 295								few fractures, steep angles + free of minerals.	Biotite increases towards center of dike - dike here may be called porphyritic feldspar biotite andesite, (5c).	.5-2% mt. py Nil		96.7			
296															
297	-	-	-	-	-	-	-	Fracture @ 70°, clean	298.45 - matrix of dike suddenly beomes lighter - a beige colour, fine disseminated py appears, also centers of pink phenocrysts become more altered by chlorite.		297.5			297	
298								Fractures @ 65 + 35°, minor clay on both.							
299								Lower Contact @ 15°	3-10mm chill zone, Fracture @ chill zone - high clay	mt: .5-2% mt. py: <.5%		100.			
300	weak	mod.	mod.	wak	wak	py		Fracture @ 70°	Coarse grained biotite hornblende monzonite (3) right at top - numerous qtz veinlets.					300	

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 21 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21, 80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+60 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock,

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT
300								AVE CORE REC'Y / HOLE					300	
54								Fractures @ 50° + 80°						
301	1 weak locally	–	weak & mod., 1 weak - strong.	weak & mod 1 weak & mod.	very weak	minor mt, py	–	Coarse grained biotite hornblende monzonite to quart monzonite. weakly to moderately altered.	<.5% mt.	300.5				
302								Fractures @ 75° most prominant, clean, a @ 40°, minor chl?						
303								occasionaly chl. veinlet. weakly altered: 20%, pale pink colour, 1% mafics, some turned to chlorite. weakly chloritization + clay alteration of feldspars. moderately altered: whitish-pink with pale green.	1-1.5% py		100	NQ	303	
304								Fractures @ 75°, 1 per 40 cm, some py + clay. feldspars easily scratched, locally the rock is quite highly altered ~ 20% chloritized feldspars + the rock has a white-green colour. plag is more attached than the K-feldspar.		303.6				
305								10% qtz, little mt, 1-1.5% py bottom 20 cm has 15% mafics, mainly chl, minor mt.	<.5% mt.					
306	–	–	–	–	–	–	–	Upper Contact @ 25°, sharp, some epidote @ contact. 305.55-308.5 Fine grained andesite (?) - dark green, occasional dark pink phenocrysts, calcite	<.5% py		100.		306	
55								Veinlet @ 30°, 2mm of calcite, veinlets sometimes with hematite common.		306.6				
307					very weak	mt.		Veinlets @ 20°, 1-2mm of calcite, 20% chl + minor epidote, slightly magnetic						
308								Fracture @ 70°, clean	.5% mt.		96.7			
309	–	–	–	–	–	–	–	Contact @ 23°, sharp, 2mm chill zone.	py nil				309	
310								Coarse grained biotite hornblende monzonite, fresh, Typ 50 cm few mafics + 2% py, after this mafics 5% + very little py. qtz - 8%., occasional grey rounded alteration patches. Fractures @ 40, minor mt + chl, and at 60°, clean.		309.7				
311					weak	1 mt.		Fractures @ 20° + 55°, minor chl on both sets, occasional ep.	1% mt <.5% py		100.		312	
312	–	–	–	–	–	–	–	Fracture @ 60°, coatings of chl + calcite. ~10% qtz 314.55-316.0: Brecciated - Fragments are monzonite, 50% fragments, 50% matrix which is aphanitic + green in colour. matrix is mostly silica with minor chlorite to give it a green colour. fragments range from several cms to individual feldspar xc's.		312.7				
313														
314	moderate				weak	1 mt py, Fl, Mo		Vein @ 20°, 313.8-313.6, 1cm - irregular & qtz + py, lesser Mo, Fl + mt.	1% mt. <.5% py		93.5			
315	–	–	–	–	–	–	–						315	

HOLE NO.: 14 | PROJECT: DEER, ARK | PAGE NO.: 22 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80700 N 78700 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180 | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
315								AVE CORE REC'Y / HOLE							
316	1 weak to mod.	1	1 weak to mod. start, 1 moderate	1 moderate	1 weak	1 mt, py	42	Vein @ 20°, 5 mm or less, mainly gtz, minor chl + py, vein ± corresponds to end of breccia	Coarse grained biotite hornblende monzonite (?) 316.6 - 317.45 : moderate propylitic (chlorite) - argillic (clay) alteration, rock has a pale pink-green colour, feldspars easily scratched. occasional phenocryst - solid chlorite. ; gtz veinlet, 1.5 mm ∥ C core from 316.9 - 317.25.	.5-1% mt	315.8	93.5	NQ	315	
317								Fracture @ 30°, coated with calcite + chlorite, minor clay							
318								Fractures @ 65°, most prominant + @ 15°, high clay + chlorite.	rest of core slightly altered, harder, more pink in colour	.5-1% py		100.		318	
319								Fractures @ 55°, clean, + @ 15°, coated with chl, gtz + Py.	319.4 - 320.35 - Magnetite-gtz veinlets @ 47°, avg. 1-2 mm wide, ± 3 cm apart. Also high mt content throughout rock including a greenish colour to the rock from chlorite.	1.5% mt, trace hem, .5-1% py	318.8				
320												96.7			
321									quite fresh, 6-7% gtz, slight chlorite alteration of matics, cannot to scratch. fine mt veinlets common,						321
322								Fractures @ 70° clean, + @ 30, fracture along veinlet of calcite, py minor Mo.		1% mt mt	321.9				
323										py nil					
324	weak	1	1	1	1 weak	1 mt		Contact @ 45°, sharp but irregular gtz, mt, minor hem along contact.	323.12 - 325.8 Dacite porphyry, red-brown aphanite matrix, 25% subhedral pink (K-feldspar) phenocrysts, minor (.4%) disseminated pyrite, no magnetism.	1% mt mt		100.		324	
325								Fracture @ 45°, calcite coating.	325.5 → matrix is light grey green + soft. phenocrysts the same. pyrite 1%, + is cross-cut by numerous gtz veinlets. 325.2 - 325.4 - zone in core max 4 cm wide of calcite, gtz + Mo.	py nil	324.9				
326								Contact 35°, sharp + very siliceous.							
327				1 weak	1 weak	Int. py		Vein @ 55°, 1-5 mm of mt, chl, minor hem, py + Fl	Coarse grained biotite hornblende monzonite (?) 30 cm past. dike, moderately altered by clay + chlorite. 326.5 - 326.8 m alternating dacite porphyry + ?, dikes are 1.5 - 5 cm wide. much mt, py, + minor hem, gtz at contacts.	1-2% mt, minor hem, .5-1% py		96.7		327	
328					weak	Mo, mt, py, Fl		Fracture @ 60°, clean.			328.0				
329								Veinlet @ 15°, 1 mm + gtz, mt, minor Fl	quite fresh, slightly magnetic, 5% gtz.	.5-1% mt py nil		100.			
330					1	1 Mo, py		Vein + open vug @ 15°, .5-1.5 cm of calcite with Fl cubes to 6 mm², with Mo, py, + gtz.						330	

HOLE NO.: L 4
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 80+00 N. 78+00 E.
INCLINATION: -70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: JUNE 21/80
DATE FINISHED: JULY 21/80
TOTAL DEPTH: 762.6 m

REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
-330													330	
-331					weak	mt, py, Fl.		Fracture @ 35°, slight coating of chl, mt + Fl. Coarse grained biotite hbl blende manzanite (3) quite fresh, cannot scratch, 5 2o qtz., 5-7% mafics weakly porphyritic, fine mt veinlets common.	1-3% mt. py nil	331.	100.	NQ		
-332														
-333								Fracture @ 16°, coated with mt, py, chl + Fl.			96.7		333	
-334					weak	mt, py		Fracture @ 20°, chl, mt, py minor Fl, +Mo. fresh, 4% qtz, slightly porphyritic, locally some chlorite. mt veinlet @ 15°; from 333.8 - 334.2, 1mm wide. plag content ≈ 30%		334.1				
-335 60								Fracture @ 50°, minor calcite.	.5-1% mt. py nil					
-336								Fractures @ 50° + 65°; minor chl on each.			100.		336	
-337					weak	mt, tr py.		Veinlet @ 15°, 1.5mm of mt, minor py Other veinlets parallel to this. Fresh, cannot scratch, numerous mt veinlets, often spaced closely locally. qtz < 5 2o. slightly porphyritic. largest phenocrysts 1cm.		337.1				
-338														
-339						mt.		Veinlets, 338.45 - 338.7m, parallel 1mm or less veinlets of mt, .5-2cm apart.	1-1.5% py nil.		100.		339	
-340								Fracture @ 20°, mt, minor hem, py + chl.						
61 -341					weak	mt.		Fracture @ 60°, clean.	.5-1% mt. py nil	342.2				
-342						mt, py minor Fl/Mo		fresh, dark pink colour, very hard, slightly to mod. porphyritic, K-feldspar + plag phenocrysts (subhedral to euhedral).			100.		342	
-343					weak			Fracture @ 75°, clean. trace epidote	.5-1 2o mt. py nil	343.2				
-344								Veinlet @ 15°, 1mm of mt, py minor Fl.			96.7			
-345						mt, py minor Fl/Mo		Fracture @ 15°, light coating of chl					345	

mt, ep, Fl + Mo

HOLE NO.: P14 | PROJECT: DEER PARK | PAGE NO.: 25 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N 80+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
360													360	
361								Fractures @ 65°, clean, ± at 5°, coated with chl, minor mt.	.5%/1m mt.		96.7	NQ		
362					weak	mt minor py		Fracture @ 55°; minor chlorite on fracture.	<.5% py	361.5				
363	-	-	1 weak to mod.	1 weak to mod.				Fracture @ 70°, very rough, broken around grains + phenocrysts			100		363	
364								Fracture @ 70°; irregular surface.						
365					weak	py		Vein @ 5° from 364.6 - 365.65m. avg 4mm of py + calcite, minor gtz.	mt nil	364.5				
366	-	-	1 weak	1 very weak				Fracture @ 35°, minor calcite.	py 1%		96.7		366	
367					weak	mt, py, Fl.								
368						Mo, mt, py, Fl.		Fracture @ 60°, minor coating by calcite + chl.	.5%/1m mt. .5% py	367.6				
369	-	-	1	-	-	1		Fracture @ 45°, moderate coating of py + Mo			100		369	
370								Fracture @ 55°; trace epidote + chl.						
371					weak	mt.		Veinlet @ 7°, 1mm of mt, trace ep.	1% mt.	370.6				
372	-	-	-	-	-	1		Fracture @ 70°, minor ep.	py nil		96.7		372	
373			1 very weak-local 1%											
374					weak	mt, minor py + Fl		Vein @ 20°, 1-5mm of mt, trace ep. Veinlet @ 15°, 1mm of mt, minor gtz + py Veinlet @ 15°, 1mm of calcite.	1% mt.	373.7				
375	-	-		-	1	1		Veinlet @ 40°, 1mm of calcite.	3% py	-	100.		375	

Coarse grained biotite hornblende monzonite (3). fresh, very hard, dark pink in colour, weakly porphyritic, 7-10% gtz. low angle fractures common in this section usually causing 1/m (40cm) slabs to come off the side of the core. very weak chloritization of mafics. mt. disseminated.

363.0 - Moderately altered. mottled pinkish-white green colour, easily scratched. mafics have been altered to chlorite, plag to clay + some chl. K-feldspar has only been slightly altered. no magnetism. Zone ends @ 364.6.

364.6 - 366.0 m - weakly altered, orange coloured not so easily scratched, all feldspars have roughly the same colour. rectangular to rounded patches (avg. 1.5cm²) of high chl alteration common, sharp edges.

this section - fresh monzonite, dark pink, occasional pink-grey to grey alteration patch. minor epidote.

368.7 - 368.87 - rock has a dark green colour from chlorite? but rock is still very hard. high disseminated py plus Fl + Mo.

Coarse grained biotite hornblende monzonite (3) quite fresh, dark pink, slightly porphyritic, most phenocrysts have plag. centers with K-feldspar rims. <10% gtz, minor ep. + chlorite.

local chloritization of mafics, occasional low angle calcite veinlets.

locally minor clay alteration of feldspars.

374.78 - 374.95m - monzonite aplite, dike?

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 24 of 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. Pollock.

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
345													345	
346					weak			Veinlet @ 15°, 2mm of mt., trace py Fracture @ 50°, clean. Coarse grained hornblende monzonite (3). -fresh, dark pink, 5% qtz. rare grey rounded alteration patch.	.5-1% mt. py nil	346.3		NQ		
347								Fracture @ 50°, minor chl + py.			100.			
348	-	-	-	-	-	-	-	348.3 - 348.6 - weakly altered, pale pink colour slightly scratched, mainly clay alteration, some chlorite.		347.8			348	
349								Fractures 55-60°, minor clay,			100.			
350					weak,			350.3 - 351.1 - moderate alteration by clay + chlorite, pale white-green colour, rock easily scratched. Vein @ 50°, 3mm of calcite,		349.3				
351	-	-				-	-	between these two intervals the rock is quite fresh. Fracture @ 60°, broken along a 3mm calcite vein. 352 - 355.4 - weakly to moderately altered, not easily scratched. all mafics have been chloritized while feldspars have been partly altered to clay,	.5% mt. .5% py		100.		357	
352														
353					weak	py.		Veinlets (2) one at 35° + one at 20°, 1mm of py. rock has a mottled pale green + pale pink colour.	≤.5% mt. 1% py	352.3				
354	-	-				-	-	Fractures ± vertical.			96.7		354	
355						py		355.4 - quite fresh, locally weak alteration. dark pink, cannot scratch,						
356			mod.	weak,	weak			Fractures ± vertical, rough surface	.5% mt. .5-1% py	355.4				
357	-	-	-	-	-	mt		Veinlet @ 40°, 2mm of calcite, chl + qtz mt + hardness is inversely proportional to the colour + py content.			100.		357	
358								Fracture @ 40°, thin coating of chl, minor py, calcite + Mo. highly altered → light colour, visible py, soft no alteration → dark pink, magnetic, hard,						
359					weak,	mt		Fractures @ 45-65°, minor coating of calcite + py. qtz 5%, fine grained grey alteration patches common. 359.3 - 360, mt veinlet @ 5%, .5mm thick.	.5% mt. py nil	358.9	96.7			
360	-	-	-	-	-	-	-						360	

HOLE NO.: 4 | PROJECT: DEER PARK | PAGE NO.: 26 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N 80+80 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock.

COMMENTS: Good Mo in monzonite around siliceous mafic + mafic dikes

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
375								Veinlets @ 25°, 1mm or less of mt, minor py. Also calcite veinlets @ 35°, 1mm or less, 1 per 2cm (2 only). Fracture @ 65°, clean.	Coarse grained biotite hornblende monzonite (3). fresh, dark pink, 7% mafics, very hard, slightly porphyritic, 376.9 - 378.25m - Monzonite but few mafics (<1%) also light pink (salmon) colour with 1-2% py. mafics concentrated instead in large patches (dacite comp.?). high py + Mo concentrated in the monzonite around patches, no mt.	.1% mt .2% py	376.7	100.	NQ	375	
376														
377														
378	-	-	-	-	1 weak	1 Mo mt py Fl	1						378	
379	mod.							Upper contact gradational. Veinlet @ 15°, irregular boundaries. 2-8mm of py, minor Mo.	378.25 - 379.4 Dacite dike? mottled whitish green + dark green, aphanitic, siliceous, very hard. 5% py disseminated, minor disseminated cp, Mo, Fl, trace hematite. Contacts gradational - upper over 30cm, lower over 2cm. Most Mo at ends of dike in monzonite	mt, py, trace hem. 5% py		100.		378	
380					1 weak	1 Mo, py, mt	1	Fracture @ 65°. Lower Contact @ 0°		379.8				
381 68°	-	-	-	-	1 weak	1 Mo py mt	1	Veinlet @ 25°, 1mm or less of qtz-py-calcite, minor Fl + Mo. Veinlet @ 20°, 2mm of mt, minor qtz. Fracture @ 70°, breaks along calcite veinlets, 1mm or less, 1 per 30cm. Fracture @ 65°, clean.	Monzonite. - light pink colour, coarse grained, slightly porphyritic, 2% disseminated py, little if any magnetite, less than 1% mafics, minor disseminated Mo, cp + Fl. fine py veinlets common. 381.4 → Coarse grained biotite hornblende monzonite (3) dark pink, fresh, 5% mafics, py nil, slightly magnetic, 5% qtz, weakly porphyritic, most phenocrysts plag.	mt .5-1% py .5%	382.7	96.6		381	
382														
383											96.9			
384	-	-	-	-	1 weak	Mo 1 mt py	1	Veinlet @ 20°, 1mm of mt + qtz minor py.					384	
385					1 mod	1 mt	1	Contact @ 20°, quite sharp Fractures @ 70°, minor calcite + py + minor chlorite.	384.8 - 386.0m Biotite Andesite (5a) dark green, quite hard, 5% biotite, .5-2% disseminated epidote, also concentrations along contacts, slightly magnetic. fine disseminated Mo at dike contacts.	1% mt .5% py	385.9				
386								Contact @ 15°, quite sharp.						
387 60°	-	-	-	-	1 weak	py Mo mt Fl	1	Veins (2), 1mm + 3mm, py + Mo, minor Fl + qtz. Biotite Andesite dike (5a) 1.5mm 2% py. Fine disseminated Mo in monzonite around dike. Veinlet @ 25°, 1-3mm of mt. Fracture @ 70°, clean.	Coarse grained biotite hornblende monzonite (3) Dark pink, very hard, fresh, qtz 5%, mafics 5%. magnetic, very little py. slightly porphyritic trace epidote	1% mt, nil py	388.9	100.		387	
388														
389						mt								
390	-	-	-	-	-	-	-						390	

HOLE NO.: P14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 78+00 N. 80+00 E
INCLINATION: -70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: JUNE 21/80
DATE FINISHED: JULY 21/80
TOTAL DEPTH: 762.6 m.

PAGE NO.: 27 OF 51
REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Pollock,

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT
390								Veinlet @ 25°, .5mm of py, minor ep+Mo. Fracture @ 70°, coating of chl, py, mt trace Mo					390	
391					weak	mt, minor py+Mo		Coarse grained biotite hornblende monzonite (3) dark pink, fresh, very hard, trace py - mainly in hairline veinlets			100.			
392								slightly porphyritic, most phenocrysts have plag cores with k-feldspar rims; some zoned.				NQ		
70 393	-	-	-	-				Fracture @ 70°, Veinlet @ 20°, 2mm of chl, py + calcite, trace chl, little veining except for the occasional hair size py vein.	mt 1% .5-1% py	392.0			393	
394					weak	mt, minor py+Mo					100			
395								Veinlet @ 25°, 2mm of mt, trace cp. Mt veinlets @ 20° Fracture @ 70°, trace calcite.	mt veinlets common, trace cp in mt veinlets. occasional grey alteration patch.	395.0				
396	-	-	-	-					mt 1% trace hem. <.5% py				396	
397					weak	mt, py, Mo		Fracture @ 70°, clean.	light pink & dark pink, locally looks like granite, mt veinlets not as large as above section but still common, occasional py veinlet.		96.7			
398 71								Small dike? @ 45°, apilitic, 1.5cm. Fracture @ 60°, thin coating of calcite.	Mo disseminated in local (1cm) rock change - a granite,	398.1				
399	-	-	-	-					monzonite with alternating patchs rock with a granite texture: hornfelsic, equigranular, coarse grained, non-porphyritic, slightly less than 10% qtz. minor chlor. both rock types equally magnetic	mt 1% <.5% py			399	
400								Fracture @ 60°, minor calcite			96.7			
401					weak	mt, py, Mo		Apilitic vein @ 40° in a granitic zone vein 1cm wide. Mo often found in these zones Fracture @ 55°, minor clay		401.1				
402	-	-	-	-				Fracture @ 15°, weak coating by chlorite			100.		402	
403								Apilite vein, 1cm Veinlets @ 5°+45°, .5-1mm, mt, minor Mo, ep., + chl.	403-403.7m - monzonite - granitic texture, equigranular, approaching 10% qtz., weak chloritization + ep. destruction of matics		100.			
72. 404					weak	mt Mo py		Fracture @ 65°, minor calcite trace Mo	403.7m → monzonite.	403.6	83.3			
405	-	-	-	-						404.2	100.		405	

HOLE NO.: DP 14 | PROJECT: DEER PARK | PAGE NO.: 28 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N. 80+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
405															405	
406					weak	mt, py, Mo		Fracture @ 70°, clean.	Coarse grained biotite hornblende monzonite (3) fresh, dark red colour, slightly porphyritic locally to distinguish grains except by colour. slightly magnetic.		.7% mt. py n.s.		100.	NQ		
407								Veinlets 405.7-408.9 – avg 1mm wide, mainly contain mt ± qtz, occasionaly contain py, cp, Mo, ep.	Veinlets always are surrounded by a zone of granite light pink feldspars, ≥10% qtz. zone for a 1mm veinlet is 1cm on either sides.			407.2				
408															408	
409						mt, py, Mo, Fl		Fracture @ 20°, chl, mt, py, trace Mo.	From 408.95 - 409.5 (large vein in the center) monzonite, salmon pink colour, alteration of deep red monzonite to this rock is caused by the vein including the introduction of the Mo, ratios 1/2o py 2%, Mo disseminated.		1% mt. py n.s.		96.7			
410								Vein @ 30°, 2.5cm mainly py + lesser chl, also mt, Fl + Mo + qtz 1 per 7cm.				410.3			
411								Veinlets (2) spaced 10cm apart, 1-3mm of mt, minor py + Mo.	generally dark red, fresh, however area around numerous veinlets have been changed to a salmon pink colour. equigranular + higher qtz content than dark red monzonite. Also little Mo in rock around veinlets unlike above (408.95 - 409.5m). But 5% ratios in these changed zones unlike above.				100.		411	
412					weak	mt, py, trace Mo		Veinlets @ 30°, from 411.6 - 412.5 m irregular but 1-5 mm wide of mt + py, minor Mo + chl. 1 per 4cm.			1-1.5% mt. .5-1% py					
413												413.3				
414								Fracture @ 75°, clean.							414	
415					very weak	mt, py, trace Mo, Cp, Fl		Apilitic vein, 1mm - very fine grained.	Coarse grained biotite hornblende monzonite (3) salmon pink + dark red colour. few phenocrysts quite equigranular. magnetic, minor epidote coarse grained. occasional dark grey alteration patch		.5-1% mt. py n.i.		96.7			
416								Fracture @ 35°, minor coating of chl, ep + py, trace Fl + Mo.	415 → Coarse grained biotite hornblende monzonite rock all very similar, dark red anhedral phenocrysts in a light pink (salmon) medium grained homogeneous matrix.			416.4				
417								Veinlet @ 35°, .5mm of py, qtz, cp trace Mo.							417	
418					very weak	mt, py, Mo		Very few Fractures.	phenocrysts ≥ 20% avg size 4x6mm - mainly k-feldspar matrix ≥ 60-40 plag - k feldspar. 3% ratios hbl - biotite, disseminated mt, py n.i. locally qtz upto 5%. minor ep, trace cp. very few veinlets		.5-1% mt py n.i.		100.			
419								Fracture @ 70°, clean.				419.4				
420															420	

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 29 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N 80+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
420					1 very weak	1 mt	—	Fracture @ 70°, clean; sometimes along a calcite vein.					420	
421								Coarse grained biotite hornblende monzonite (3). exactally the same as above. no veinlets.						
422								Fracture @ 60°, 1.5 mm coating of pale green calcite.			100.	NQ		
423	—	—	—	—			—	No veinlets	1% mt				423	
424					1 very weak	1 mt		Fracture @ 75°, quite clean.	1% nil	4225	100.			
425								No veinlets						
426	—	—	—	—			—	Fracture @ 75°, minor calcite + chlorite.	1% mt	4235.5			426	
427								No veinlets.	3% nil		100.			
428					1 weak	mt.		Fracture @ 65°, very thin coating of chl, + calcite.	.5% mt.					
429	—	—	—	—			—	Veinlets @ 25°, <1mm of gtz + py.	3% nil	4298.5			429	
430								Fracture @ 60°, minor calcite			96.8			
431			1 Locally weak,	1 Locally weak	1 weak	1 mt, trace py + Mo.		Veinlets @ 23°, clean of gtz, py + chl.	.5% mt.					
432	—	—					—	Aplitic dike, 8cm wide @ 30° very fine grained + equigranular. has disseminated mt, trace Mo + py.	trace	4316			432	
433								Aplite dike @ 30°, similar to above with minor Mo.			96.7			
434					1 weak.	1 mt, py, Fl, Mo		Fracture @ 60°, minor chl + py	.5-1% mt.					
435	—	—	—	—			—	rare angular fragments of diorite porphyry. sharp contact with host, 5% K-feldspar phenocrysts 2mm or less in size. matrix fine grained, diorite composition, fragment size 2" / cm.	3% nil	4334.6	100.		435	

aplite

HOLE NO.: L 14 | PROJECT: DEER PARK | PAGE NO.: 30 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N. 80+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY
435								Fracture @ 70°, quite clean.
436					1 very weak	1 mt		Veinlet @ 30°, 1mm of gtz, minor chl; rare diorite fragment (1cm²).
437								No veining.
438	–	–	–	–			–	
439					1 very weak	1 mt, trace Fl.		Veinlet (irregular) @ 35°, 1mm or less gtz, minor mt & Fl.
440								Fractures @ 45°, slight coating of py-chl), trace mt–hem + @ 55°, clean.
441	–	–	–	–			–	
442					1 weak	1 mt.		Fracture @ 70°, clean. 1 per 10cm Epidote veinlet @ 65°, .5mm
443								No veining. Fracture @ 75°, clean.
444	–	–	–	–			–	No fractures or veinlets
445								Fracture @ 70°, clean.
446					1 very weak	1 mt		Veinlet @ 37°, 2mm of mt + gtz minor pyr
447	–	–	–	–			–	
448					1 very weak	1 mt, trace Mo.		Fracture @ 65°, clean. No Veining
449								
450	–	–	–	–	1 very weak	1 mt, trace Mo	–	Hairline veinlets, non-continuous, minor Mo

DESCRIPTIVE GEOLOGY

Coarse grained biotite hornblende monzonite similar to above with dark pink phenocrysts 50% with a white (plag.) ring near the outside but always with a k-feldspar external rim. matrix has a granite look + close to a granite composition.

437m: oval xenolith (fragment) 4×5cm. - diorite porphyry → 30% subhedral phenocrysts → 50% plag, 50% k-feldspar (largest ones have centers of gtz + Fl. 2-5 mm chill zone around fragment. No Mo.

440m - mt + gtz veinlets @ 30°, 1mm or less.

440.55m - apilite dike @ 25°, contains c. 5mm veinlet @ 25° of gtz + Fl minor mt

similar to above - 20-25% dark pink phenocrysts - subhedral generally with at least one very thin plag ring; matrix medium grained with greater percentage plag., < 5% gtz in matrix., 3-4% mafics (mainly hbl), minor disseminated mt).

all rock extremely similar, fresh, cannot be scratched. rock consists of very dark pink phenocrysts in a light pink coarse grained equigranular matrix phenocrysts = 30% of rock, mainly k-feldspar but they often thin plag zones. subhedral to euhedral. matrix = 50% k feldspar + plag. whole rock has ≥ 3-4% mafics mainly hbl (some chloritization), very little gtz, almost no veining nil pyrite, weakly magnetic.

SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT
.5% mt. py nil	437.7	96.8	NQ	435	
.5% mt. py nil	440.7	100.		438	
.5% mt py nil	444.1	97.1		441	
.5% mt py nil	446.8	100.		444	
.5% mt. py nil	449.9	90.3		447	
				450	

HOLE NO.: A 14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 7800 N 8000 E
INCLINATION: -70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: JUNE 21/80
DATE FINISHED: JULY 21/80
TOTAL DEPTH: 762.6 m

PAGE NO.: 31 OF 51
REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY
450								Similar to above, plag content increasing slightly in the phenocrysts + matrix.
451					very weak			Fracture @ 65°; minor chl.
452								No Veinlets.
453								Veinlet @ 70°, .3mm of chlorite.
454					very weak			Fracture @ 17°, coated with mt, py + chl
455								Veinlets @ 15°, irregular + wispy Immor loss of chl.
456								455.2 - one oval shaped (2 x 1.3 cm) fragment, granodiorite to diorite composition, no Mo.
457					weak	mt.		dark pink subhedral phenocrysts in a light pink to salmon colour. phenocrysts look to be ≥ 30% plag, phenocrysts make up 20-30% of the rock & some times look if the matrix is taping to replace them.
458								Fracture @ 65°, clean. Veinlet @ 15°, .3mm of mt + chl. Veinlet @ 10°, .5mm of chl + mt.
459								
460					weak,	Mo, mt, Fl		Fracture @ 60°, minor chl. matrix - medium grained, < 5% qtz, trace disseminated Mo, 3-4% mafics matrix has a greater % of plag than k-feld. rock is very fresh + hard.
461								
462					weak			Veinlet @ 10°, avg 1mm of py, minor Fl + qtz.
463				weak locally				Fracture @ 10° along a vein, mainly chl, minor qtz + py trace Mo.
464								Fracture @ 60°, clean.
465								462.1 - 462.75 - extremely porphyritic, phenocrysts have pink centers with white rims, phenocrysts are subhedral to euhedral + make up 50% of the rock. very weak chlorite alteration of some phenocrysts, ≥ 2% py replacing mafics.

% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
.4% mt. py nil		100.	NQ	450	
	452.9			453	
.4% mt. py nil		100.			
	456.0			456	
	458.6	100.			
.75% mt. py nil		100.			
	459.0			459	
.75% mt. py nil		96.8			
	462.1			462	
.25-1% mt. py .3%.		100.			
				465	

HOLE NO: P 14 | PROJECT: DEER PARK | PAGE NO.: 32 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+60 N 80+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
465										465.1			465	
466								Fracture @ 65°, clean.						
467					very weak,			Coarse grained biotite hornblende monzonite (3) similar to above. dark pink phenocrysts in a granitic matrix.	.5% po mt. py fines,		96.9	NQ		
468	-	-	-					Vein @ 20°, 8mm of mt (center) + qtz (out sides) + minor Fl. Mo concentrated along the edges. Veins, 2-5mm of qtz, minor chl, Fl + trace Mo. veins(2) @ 50°		468.2	100		468	
469								fracture @ 75°, clean.						
470								No veinlets	.5% mt	469.9	100			
471	-	-	-	-				Fracture @ 65°, clean.	nil py				471	
472								No veinlets		472.2	100			
473					weak	mt, trace Mo, Fl		Fracture @ 45°, coated with calcite, trace Fl. Fracture @ 55°, minor chl Veinlet @ 27°, 1mm of mt, qtz, Mo, minor ep.	.5% mt py nil		93.5			
474	-	-	-	-	-	-	-			474.3			474	
475					weak			Fracture @ 40°, minor chl + mt, trace Fl + @ 55°, minor calcite + chl,	.75% mt py nil		100			
476					very weak	1 mt, Mo		476-476.35: 3 veinlets @ 15°-30°, avg 1.5mm of qtz + mt, minor Mo, trace ep.						
477	-	-	-	-	-	-	-			477.3			477	
478								Fractures @ 55°, quite clean. 478.95m - monzonite - diorite oval fragment 10×5cm, 15-20% matrix, no Mo			90.3			
479								Veinlet @ 25°, qtz, lesser mt, minor Mo, ep + Fl.						
480	-	-	-	-	-	-	-						480	

Coarse grained biotite hornblende monzonite (3) similar to above. dark pink phenocrysts in a granitic matrix.

+ aplite zone or vein crosscuts large qtz mt vein.

similar to above: 25% subehedral phenocrysts in a equigranular matrix.

phenocrysts: size - from 3mm² to 10×6mm. generally dark pink with minute rings or whisps of white (plag?). occasionally twinning can be seen (Carlsbad - a phenocrysts are in two halves).

Matrix: salmon pink colour, medium grained, approaching 10% qtz (in matrix), + roughly equal proportions of k-feldspar + plag.

mafics 3-4%, mainly hbl which has been slightly altered by ep. + chl.

mt. is disseminated in .5-1mm patches.

trace disseminated Mo, + rare. granodiorite - diorite fragment (1cm²), partially exsolved.

473.3m - Broken vein of qtz + mt plus minor Fl, max 8mm wide, mt in center qtz on outside. vein is in the center of a 1.3cm aplite dike.

similar to above, except occasionally there is the concentration of matrix - it is coarse grained and has 10% qtz. there is also common patches of monzonite aplite. these patches generally oval (ie 7×4cm) to irregular with gradual boundaries.

qtz increasingly slightly, going to granite. trace Mo in qtz.

HOLE NO.: DP 14 | PROJECT: DEER PARK | PAGE NO.: 33 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N 80+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
480								Similar to above, this zone seems to be the transition zone from monzonite to granite (possibly qtz monzonite).			480.3			480	
481															
482					weak	nt	1	Veinlet @ 30°, 1.5 mm of f qtz, minor py, Mo+Fl Fractures @ 60°, broken along calcite? (anhydrite) veinlet, minor chl + Fl, also @ 27°, minor coating of chl.	rock still has dark pink subhedral phenocrysts in a granite looking matrix, however proportion of matrix is increasing, often sections of core >10cm with very few phenocrysts - matrix is coarse grained mainly K-feldspar + ≥10% qtz rounded fragments avg 3cm² (granodiorite comp) fairly common,	.5% nt py nil		100	NQ	
483	-	-	-	-							483.9			483	
484					weak	nt, trace Mo+Fl		Fracture @ 60°, minor chl, trace hem.		.3-.5% nt py nil					
485								Fracture @ 55°, trace chl				100			
486	-	-	-	-							486.5			486	
487					very weak	nt, minor Mo+Fl		Veinlets @ 60°, 1mm or less f qtz + chl, fractures common along veinlets	very fresh + hard, very few veinlets, weakly magnetic, no pyrite, composition approaching a granite	.5% nt py nil					
488								few veinlets				96.7			
489	-	-	-	-				Fracture @ 70°, minor calcite + chl No veinlets	488.1m - fragment 4.5 x 4cm - granodiorite, fine grained, looks as if it has surrounded some K-feldspar around its rim to give some K-feldspar phenos. small K-feldspar, - plag phenos throughout, no Mo, high mafic content.		489.5			489	
490					weak	nt, trace Fl				.5% nt py nil					
491								Veinlet @ 20°, 2mm f qtz + epidote, minor py, Mo + hem.	minor chloritization of mafics, nt finely disseminated.	.3% nt py nil		100			
492	-	-	-	-							490.6			492	
493								Fracture @ 60°, quite clean.	rock is increasingly becoming a coarse grained granite with large K-feldspar XL's + phenocrysts the large dark pink phenocrysts are turning to a salmon colour, qtz is between the XL's, qtz content ≥ 10%, original mafics partially turned to nt.	.4% nt py nil					
494												100			
495	-	-	-	-	nt, trace Fl	nt	1	Fracture @ 30°, minor calcite + chl. 494.9 - fragment 1x2cm, aphanitic, dark green grey colour, py 2%						495	

HOLE NO.: UP 14 | PROJECT: DEER PARK | PAGE NO.: 34 OF 57

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N 80+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
495													495	
496					weak	1 mT, minor Mo, Fl		Veinlet @ 60°, 1mm of gtz, minor chl. Fracture @ 35°, minor chl, 1 per 8cm	.5% mT, tr py	496.6				
497								Veinlet @ 1-3mm of gtz ± mT, minor py ± hem. Veinlet @ 45°, 1 mm of gtz. Veinlets (2) @ 55°, 1mm of gtz, minor Fl			100	NQ		
498								Fracture @ 25°, quite clean.		498.7			498	
499					weak	1 mT, minor Mo, Fl		Veinlets .75mm or less @ 45°, of gtz.	.5% mT, tr py, trace Mo		100			
500								very weak chloritization of matics (hbl).						
501					weak	1 mT, minor Mo, Fl		Fracture @ 40°, minor calcite			100		501	
502								Fractures @ 80°, weak coating of chl, py, Mo ± @ 15° moderate chl		501.7				
503								-fracture @ 45°, coated with chl ± py minor Mo Fractures @ 20° ± crosscutting veinlets minerals - chl, MnO_2, py, sp, ± Mo	.5% mT, 1% py, tr sp, tr Mo		100			
504								Fracture @ 55°, minor chl ± calcite		504.7			504	
505														
506					weak	1 mT		Fracture @ 10°, along this chl. veinlet.	.5% mT, tr py nil		96.8			
507								Fracture @ 65°, clean.		507.8			507	
508									.5% mT, tr py					
509					weak	1 mT, py		Fracture @ 60°, weak calcite ± chl.			100			
510								Veinlet @ 25°, 2mm of gtz minor clay.					510	

Pink granite (9)
mainly salmon pink colour, medium to coarse grained, dark pink phenocrysts still common ± make up to 10% of the rock. these phenocrysts will change to the salmon colour.
equigranular, fresh, unaccentuable, 10% gtz, 5% matics (hbl, mt ± minor biotite). trace Mo in the hbl.
gtz veinlets (1mm or less) common.

very weak chloritization of matics (hbl).

502.35 - Fracture that possibly might be a thin fault gone, 1-3mm of mainly MnO_2, chl ± ground granite, minor py, trace Mo.
502.95 - 503.5 : many fractures ± irregular veinlets with minerals listed to the right.
weak chloritization of hbl.

pink coarse grained granite with 15% dark pink K-feldspar XL's, avg. K-feldspar grain size = 3-4mm°. rare K-feldspar grain clay ± chlorite altered, weak chl alteration of hbl, matics 4%, .5% disseminated mt, py nil, gtz veinlets (<1mm) ± chl veinlets (.2mm) common, trace epidote
rare granodiorite (1cm° or less) fragment.

509.5 - 512.4: weakly to moderately altered by clay ± chlorite only ±.5% of matics remaining. py 1%, gtz has also been slightly altered, rock can be excavated fairly easily
granite coarse grained, equigranular ± salmon pink with a white tinge.

HOLE NO.: 214 | PROJECT: DEER PARK | PAGE NO.: 35 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 78+00 N. 80+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
510															510	
511			weak - mod	weak - mod.	weak	mt, py, Po, Fl		Fracture @ 10° along a chl veinlet w. very py + Fl, 511.3m: Possible Fault zone @ 20° 2/cm wide + composed of chl, ground granite, 5% py 1% Po. Veinlet @ 35°, 2mm py	Pink granite 509.5 - 512.4m: weakly to moderately altered		.22 mt. 1.5% py	510.8		NQ		
512																
513								Fractures @ 65° clean, + @ 10° coated with chl + mt.	Pink granite with ≈ 20% dark pink K-feldspar Xl's. 513.25m - Fragment 2×5cm, diorite porphyry matrix v.f.g. black with 15% round 2mm K-feldspar phenocrysts (centers slightly altered to ep.) No Mag.			513.9	90.3		513	
514																
515					weak	mt.		Fracture @ 60°, quite clean.	Pink granite, however up to 20% dark pink K-feldspar grains, as these increase the qtz content decreases.		.5% mt. py tr.	515.7	100.			
516									516.6 - 517.1: weakly altered, most matrix altered to clay rock is salmon colour from the K-feldspar Xl's small aphanitic black fragments (1cm or less) massively seen.						516	
517					weak,	mt, py		Fracture @ 65°, clean.				516.9	100			
518																
519					weak	mt, py		Veinlet @ 35°, 1mm qtz, 1 per 23cm			.5% mt. trace py		96.8		519	
520					weak	mt, py		Fracture @ 55°	520.4 - 519.8m: weakly altered, mainly clay minor chlorite, all hbl altered to clay, just minor light magnetism can just be barely detected.			520.				
521								No veinlets			.5% mt. minor py		96.7			
522									522.8 - 523.4: weakly altered, mainly matrix						522	
523					weak	mt, py		Fracture @ 55°, quite clean.	pink granite, fresh, med. to coarse grained, hard (except where altered - see above). qtz content around 10%, locally dark pink phenocrysts increase to ≈ 20% + qtz content drops.		.5% mt. trace py	523				
524								No veinlets. Fracture @ 80°, clean								
525															525	

HOLE NO.: 314 | PROJECT: DEER PARK | PAGE NO.: 36 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 7840 N 8040 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6m | LOGGED BY: T. Allen

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
525													525	
526							—	Fracture @ 65°, clean.	.5% mt .25% py	526.1	100.	NQ		
527								No veinlets						
528	-	-					—	Pink Granite - Salmon pink colour with ≥ 20% dark pink subhedral k-feldspar crystals. The rest of the feldspars are salmon coloured k-feldspar crystals. rock is coarse grained (avg. k-feldspar XL +3mm²) fresh, 2% mafics - hbl, bio +mt, + ≥ 10% gtz hbl has been weakly altered by chl + ep.			100.		528	
529							—	Fracture @ 25, trace chl+calcite,	.5% mt .25% py	529.1				
530								No veinlets						
531	-	-	-	-			—	Fracture @ 20°, minor chl+calcite			100.		531	
							—	Veinlet @ 15°, .3mm gchl + gtz						
532							—	Veinlet @ 20°, .3mm gchl, minor calcite						
533							—	Fracture along a veinlet @ 15°, .5mm gmt+chl.	.5% mt .25% py	532.2				
534	-	-	-	-			—				100.		534	
535							—	Fracture @ 80° clean.	.5% mt .25% py	535.2				
536								No veinlets, very few fractures.						
537	-	-	-	-			—	537.05m - 7×2cm oval shaped ring gmt.	.5% mt .25% py	538.3			537	
538							—	Veinlet @ 60°, 537.5 - 538.2m, 1mm gtz gep Fracture @ 75°, clean.						
539								Few fractures, no veinlets.						
540													540	

HOLE NO.: DP14 | PROJECT: DEER PARK | PAGE NO.: 37 of 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 7870D N. 8010D E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180 | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY
540									Pink granite (?), fresh, medium to coarse grained, equal volumes of dark pink & salmon K-feldspar, qtz 10%, max 5% mafics, mainly hbl which has been slightly altered to chlorite, <5% of which is mt after hbl.
541								Fracture @ 65°, clean	
								No veinlets.	
542					weak	mt.		Fracture @ 80°, clean.	
543									543.8 - 544.18 m: Aplite, upper contact @ 30°, lower @ 40°, contacts sharp, fine grained, 8mm chill zone @ contacts, slightly porphyritic from K-feldspar xl's, same colour as matrix.
544								Aplite →	
					weak	mt.		Fracture @ 15°, minor chl + mt.	
545								Aplite vein, contacts @ 35°, 2.5cm wide, pink in colour	
546								No fractures.	Pink granite: fresh, slightly more qtz than above, ≥ 10%, locally over 10cm are patches with no dark pink K-feldspars, here the rock has 15-20% qtz which is between large salmon K-feldspar xls, the hbl is partially altered to chlorite.
547								Veinlet @ 50°, 1mm of qtz	
				locally				Aplite, contacts @ 53°, 2.5cm wide, dark grey in colour, unlike pink ones above	
548					weak				- occasional dark grey aplite fragments, no Mo.
549								Veinlets @ 38°, 1-2mm of qtz + chl/ some clay + fl / per 7cm, fractures along these occasionally.	548.8 - 548.95 m - porphyritic grey aplite.
550									
					weak	mt, trace fl		Fracture @ 60°, clean.	Pink granite, similar to above but with the common appearance of qtz, calcite + chlorite veinlets. There is also local weak clay alteration of the dark pink K-feldspar crystals.
551				weak				Veinlets @ 35-40°, .5-3mm of qtz + chl.	
552									
553					weak.	mt, trace fl		Veinlets avg @ 25°, some cross-cutting 1-2mm of qtz, calcite + chl.	fine grained dark grey to black aplite fragments (< 1/cm²) common. No Mo.
554								Fracture @ 75°, clean.	
555									

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
540	.5% py	540.7		NQ	540	
541			100.			
542		541.3				
543			96.8		543	
544		544.4				
545						
546			100.		546	
547		547.9				
548						
549			96.8		549	
550						
551		550.8				
552			100.		552	
553		553.3				
554			100.			
555					555	

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 38 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 7810D N. 8010D E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. POLLOCK.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
555													555	
556							/	Veinlet @ 20°, 2mm of chl. Pink granite (g), fresh, hard, med. to coarse grained, dark pink k-feldspar crystals (almost phenocrysts - subhedral) ≥ 30%, rest of k-feldspar salmon pink, 10% qtz, py nil, weakly magnetic, weak chloritization of hbl.	.4% mt py nil		100.			
557					weak	mt	/	Fracture @ 60°, clean.				NQ		
558	-	-					/	Fracture @ 45°, clean.			100.		558	
559			weak at contact / locally weak				/	Fractures @ 15°, minor mt, chl + py	.4% mt.					
560					weak	mt, minor py	/	Veinlet @ 15°, 1mm of qtz + chl, trace cp.		559.6				
561	-	-					/	Fracture @ 75°, clean.	py trace.		100.		561	
562								No veinlets						
563								weak clay alteration of k-feldspar.	.5% mt. py nil	562.7				
564	-	-	-	-	-	-	-	Upper Contact @ 9°, 1cm chill zone. Offset cutting contact 35° for 1cm. Lower Contact @ 30°			96.7		564	
565					very weak	mt, Mo.	/	Fracture @ 75°, clean.	.4% mt. py nil	565.7	91.7		567	
566							/	Fracture @ 37°, moderate coating of chl + mt.		566.9				
567	-	-	-	-	-	-	-	No veinlets						
568					very weak	mt.	/	Few fractures. Fracture @ 85°, clean	.4% mt. py nil	568.8	100.			
569							/	No veinlets						
570	-	-	-	-	-	-	/	Fracture @ 75°, clean.					570	

563.6 - 564.45 m: Good granite aplite, fine grained grain size ≥ 1mm, very homogeneous, pink, fresh. 70% k-feldspar, 20% qtz, 5% mt with 4 minor FI, chl. Parallel to the Lower contact is a 3mm vein of qtz, mt, FI with minor cpy chly trace Mo at upper contact.

562.99 - 563.15, patch (4.5 cm wide) of grey aplite, very fine grained, (monzonite range ?) possibly contains fine disseminated Mo.

Pink granite similar to above, weak chloritization of hbl, no veinlets, few fractures, no pyrite, (Mo ≥ Ni) mt ≥ .5% finely disseminated after hbl., locally 1% epidote in in patches that have no dark pink k-feldspar XL's.

559.4 m: hbl-biotite altered to chlorite, very weak clay alteration of feldspars, there also is minor chalcopyrite + malachite, ends 560 m.

Pink granite: 25% dark pink k-feldspar subhedral phenocrysts (avg size ≥ 6mm²) in a matrix of smaller salmon coloured k-feldspar crystals with ≥ 10% qtz + 3-5% mafics. Subrounded blackish fragments common, avg 1cm² + granodiorite to diorite in composition.

HOLE NO.: DP 14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 80+00 N 78100 E
INCLINATION: -70° BEARING: 180°

PROJECT: DEER ARK
DATE STARTED: JUNE 21/80
DATE FINISHED: JULY 21/80
TOTAL DEPTH: 762.6 m

REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
570								Pink granite (g) 20% dark pink subhedral K-feldspar crystals in matrix of salmon pink subhedral K-feldspar crystals, 10% qtz = 4% matics. Ma/as mainly hbl which has been slightly altered to chlorite. M to biotite = 1.0%. rock is very fresh, has somewhat crowded porphyry texture, rare epidote.	.5% mt	571.8	100.	NQ	570	
571														
101														
572					weak	nt.		Fracture @ 45°, minor chlorite trace hem.						
573	–	–	–	–	1	1	1	Veinlet @ 25°, .5mm of chlorite.					573	
574								Fracture @ 50°, moderate coating by chlorite.			96.7			
575					weak	1 mt, Mo, Fl, qtz		Aplite dike, upper contact @ 30°, veinlet + lower @ 26°, veinlet, 5mm of qtz, mt, minor Fl, Mo + cp.	.5% mt	574.9				
576	–	–	–	–				Veinlet @ 45°; 1mm of white qtz.	py nil	575.8	100.		576	
577								Fracture @ 50°; clean.						
102											95.2			
578					weak	nt.		No veinlets.	.5% mt	577.9				
579	–	–	–	–	1	1	–	Fracture @ 50°, minor chlorite.	py nil				579	
580							X	Fractures @ 50°, minor chl + @ 45°, minor clay			100.			
581					weak	cpy, mt,			.5% mt.					
582	–	–	mod.	weak	1	1	–	Fracture @ 15°, 1mm coating of chl, minor Fl	1% py at base	580.9	96.7		582	
103														
583					weak to mod.	Fl, Mo,			.5% mt.					
584	–	–	–	1	1	1	–	Fracture @ 20°, minor coating of chl, cp, + py.	1% py	584.0				
585	–	–	–	–							100.		585	

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 40 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
585								Pink granite (altered) similar to above. salmon pink-white colour, not easily scratched. very coarse grained.				NQ	585	
586			1 weak to mod.	weak	weak.	1	1	Fractures @ 50°, minor clay, 1 per 14 cm.	fracmt. 1% py.	587	100.			
587														
588	-	-		1	1	1	1	Fracture @ 32°, coated with chl + clay.					588	
589								End of alteration. Up to 590m: very few dark pink K-feldspar crystals in very coarse grained salmon coloured K-feldspar, moderate chloritization of hbl.	.5% mt. .2% py.		96.7			
590								Fracture @ 25°, minor chl + mt.		590.1				
591	-	-	-	-	1	1	1	Veinlet @ 30°, 3mm qtz with chl. after this crowded porphyry texture with ≈ 30-40% dark pink K-feldspars.					591	
592					weak	mt.		592.8-592.93m - Fine grained andesite, possibly some movement along dike. → Upper contact @ 50°, lower @ 45°, numerous fine veinlets + stringers running out into the granite for ≈ 10 cm.	.4% py. trace cp.		100.			
593										593.1				
594	-	-	-	-	1	1	1	Vein @ 30°, 4mm of qtz, minor hem + mt.					594	
105								Aplite vein, @ 35°, 8mm of aplite with minor fl, qtz, mt + cp.	.5% mt. trace cp.		96.7			
595					weak,	not trace fl/cp		Pink granite, somewhat grounded porphyry texture, fresh, plag content increasing slightly ≈ 20%						
596										596.2				
597	-	-	-	-	1	1	1	Fracture @ 30°, coated with chl, minor cp.	.5% mt. trace cp.				597	
598								"			100.			
599					weak.	mt.		Fracture @ 30°, minor chl. Veins @ 20°, 1mm of qtz.	.5% mt. trace py	599.2				
600	-	-	-	-	-	1	1	Fracture @ 45°, minor chl.			100.		600	
								"						

HOLE NO.: DP 14 | PROJECT: DRIZ PARK | PAGE NO.: 41 OF 57

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
600								Fracture @ 42°; moderate coating by chlorite. Pink granite (?) - rock has many slight colour changes but basically has the same composition.					600	
601			weak		weak	mt		Veinlets many with fractures @ 35°; 1mm or less of qtz, clay + calcite. veinlets in an alteration zone - 601.8-602.6. Varies from very coarse grained rock with only salmon pink k-feldspar (10% plag) with interstitial matics + qtz to a rock with ≥ 30% dark pink k-feldspar phenocrysts in a salmon coloured matrix.	.2% mt.		100.	NQ		
602										602.2				
603	-	-	-	-	1	1	-	603.72 - 603.9: Aplite, upper contact @ 30°, lower @ 25°, Fracture @ 30°, minor chlorite.			93.5		603	
604														
605					weak	mt.		locally weak clay alteration, hard + fresh, trace ep + FI locally where no dark pink k-fold	.1% mt.					
606	-	-	1	-	1	1		Veinlet @ 15°; 1mm of qtz + chl.		605.3			606	
607					1 weak & mod			Fractures from 65°-75°; clean, 1 per 8 cm.			93.5			
608						mt, py		1 cm zone @ 32°, of qtz, chl + brecciated granite. Granite - no dark pink k-feldspar crystals,	.1% mt.	608.3				
609	-	-	1	1		Mo, tr	1	Fracture @ 45°; minor chl.					609	
610								Veinlet @ 20°, .5mm of qtz + Mo						
611						mt, py		Upper Contact @ 25°, sharp. 1-65 cm chill zone. 610.4 - 611.3 m: Fine grained Andesite (5) dark green, minor bio, py + mt, occasion subhedral feldspar phenocrysts, fine ep + calcite	.1% mt.	611.4	100.			
612	-	-	1	1	1	1		Chill zone - Zone Contact @ 30°; Vein @ 20°, 1cm of qtz with several offshoots + contained brecciated granite also minor chlorite + py. Veinlet @ 30°, 3mm of chl					612	
613			weak		weak	mt, py minor Mo		612.0 - 614.0 m: weak clay alteration, pale salmon pink colour, no dark pink k-feldspar. most of the hbl + bio have been chloritized. trace disseminated Mo.	.5% mt.		100.			
614				very weak										
615	-	-	1	1	1	1	-	Fracture @ 40°, minor chl.	.5% py	617.5	96.7		615	

HOLE NO.: 214 | PROJECT: DEER PARK | PAGE NO.: 42 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80 400 N. 78400 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
615								Pink Granite.						615	
616					weak	high	fract.	615.2 - 616.88m: Fine grained Andesite (?). dark green, soft, contains ≈ 65% disseminated py, very little mt, calcite veinlets common, highly fractured, no Mo. Both contacts very soft + crumbly		nil mag. nil py.		96.7			
617					high	py, Fl, mt.		Contact @ 25°, irregular + brecciated.			617.5		NQ	618	
618						py, Fl		616.88 - 617.25m: Massive Fluorite + calcite. trace chl in hairline veinlets,		nil mt. 1% py.					
619	weak		weak	weak	mod.	py, Fl		Pink Granite ?: 617.25 - 618.4 - highly fractured due to numerous chl + epidote veinlets, however the rock is still very hard. rock also has numerous qtz veinlets.		nil mt. .5% py		92.9			
620								rock has a cloudy look, matic minerals have been clay altered - possibly some py is after the matics.			620.3				
621					weak to mod.	py, Fl		No dark pink k-feldspars, cloudy, salmon pink, coarse grained, matics as above with minor hem. Chl + qtz veinlets common.		trace mt. .3% py		100.		621	
622															
623			weak	weak	weak	py.					623.3			624	
624								many variations, locally cloudy, or weakly altered (pale pink) with few matics to common form with dark pink k-feldspar ?'s		trace mt. .3% py		100.			
625															
626			weak	weak	weak to mod.	py + mt.					626.9			627	
627															
628								628.2m: Andesite feldspar porphyry fragment, oval, 4x3 cm, no Mo.		trace mt. 1.2% py.		100.			
629								similar to above, 10% qtz.			629.4				
630												100.		630	

Fracture @ 26°, sharp.

Fractures @ 45-50°, mod chl, 1per 4cm. Contact @ 40°, sharp

Contact @ 25°, irregular + brecciated.

Fracture @ 25° break along 1mm veinlet of chl minor epidote

Fracture @ 25° along a hairline chl, clay ep. veinlet

Qtz veins + stringers @ 25°, 4mm + less.

+ Fractures @ 25°, coated with chl, calcite rep, + @ 65°, minor clay

Veinlet @ 27°, .5mm of qtz.

624.0 - 627.5: highly fractured due to numerous clay + chlorite veinlets, such as @ 27°, 2mm or less.

Fracture @ 40°, minor chl.

Fracture @ 25°, minor chl.

Fracture @ 25° minor chl

Fracture @ 15°, along a chl, MnO_2 veinlet.

HOLE NO.: P 14
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: 80+00 N. 78+00 E.
INCLINATION: −70° BEARING: 180°

PROJECT: DEER PARK
DATE STARTED: JUNE 21 /80
DATE FINISHED: JULY 21 /80
TOTAL DEPTH: 762.6 m

REF. TO CLAIM CORNER:
SCALE: 1:100
LOGGED BY: T. Pollock.

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
630								Pink Granite (?). coarse grained, fresh, but local clay alteration, ≈ 20% dark pink k-feldspar which may be formed by replacement of salmon coloured k-feldspar 632.3 - 632.9 m; moderate clay alteration, weak chlorite alteration	.3% nt. .3% py	632.5	100.	NQ	630	
631								Fracture @ 45°, clean.						
632														
633	–	–	locally mod.	locally weak	weak	py, nt		Fracture along a vein @ 23°, 7mm of chl + calcite ?, minor py. Fracture @ 25°, coated with clay + chlorite. Veinlet @ 13°, 1.5mm of chl					633	
634											93.9			
635									.3% nt	635.8				
636	–	–	–	–	–	–		Fractures @ 15°, clean, + @ 40°, minor chl	trace py.				636	
637								Fracture @ 20° coated with chl + epidote.			100.			
638								Veinlet @ 60°, 1mm of qtz + chl. Fracture @ 50°, mod. coating by chl + ep.	.3% nt. trace py	638.9				
639	–	–	–	–	–	–							639	
640	locally weak	locally weak	locally weak	locally weak	moderate	nt, py		Fractures + veinlets (chl, ep + MnO_2) @ 25° Vein @ 25° 5mm of siliceous green material.	.3% nt. .2% py.	641.9	100.		642	
641								Vein @ 30°, 8mm of qtz + chlorite (pale green).						
642	–	–	–	–	–	–		Fracture @ 60°, minor clay.						
643	locally weak				moderate	nt, py			.3% nt .3% py	643.7	100.			
644								Siliceous green vein @ 25°, 1cm wide						
645	–	–	–	–	–	–							645	

Pink granite similar to above: fresh, quite homogeneous, dark grey to pink colour, has a bit of a cloudy appearance weak to mod clay + chlorite alteration associated with the siliceous pale green dikes described to the left; fractures always occur along these veins. rare grey aplite patches.

HOLE NO.: DP 14 | PROJECT: DEER PARK | PAGE NO.: 44 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIN CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180 | TOTAL DEPTH: 762.6 m. | LOGGED BY: T. Pollock.

COMMENTS: strong clay alteration.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
645								Fractures @ 25-40°, 1 per 3cm. locally core is broken up. Fractures @ 45-65°, 1 per 3cm.		645.			645	
646					high	py + cpy		Pink granite (?): quite fresh, unable to scratch, brown-pink colour. max 10% qtz. characteristically highly fractured, py + colour lightens as alteration increases.						
647											100.	NQ		
648	1 weak.	1	1 weak.	1 weak.	1 high.	1 py, Mo.	1	Contact @ 65° Contact @ 70° 647.04 - 647.2m: Porphyritic Andesite (56) dark green with 20% subhedral 1-1.5cm pink feldspars	.1% py nil	648.0			648	
649								Veinlet @ 13°, 1.5mm of qtz. Zone of qtz veining + brecciation @ 30°, minor py. Siliceous zone @ 35°, 1cm wide. Siliceous zone @ 15°, 4cm, white to dark grey qtz with brecciated py, py + Mo.			84.6			
650														
651								Fracture @ 40°, minor chl.		650.7			651	
652	1 weak.	1	1 moderate	1 weak.	1 moderate	1 py	1	little alteration.	nil		86.4			
653								Fractures @ 55°, clay coated.		652.9				
654	1 weak & red.	1	1 strong	1 weak & red.	1 low	1 py	1	Zone @ 53°, 1cm of MnO_2? py + Mo. Much qtz around zone.	nil				654	
655								Siliceous zone @ 33°, 1cm of grey qtz, minor py.			100.			
656								Two siliceous veins with central stockwork, @ 30°, total zone 10cm.		655.9				
657	1 locally weak.	1	1 locally weak.	1 weak & red.	1 weak.	1 py + trace Mo	1	Veinlet + minor brecciation @ 13° 2mm of grey qtz. Note weak clay chlorite alteration surrounding vein.	nil		100.		657	
658								Fracture @ 45°, clean.		657.1				
659								Aplite zone @ 10°, 1.5cm with minor Mt, qtz, Mo, chl + Fl.	.5% mt. .5% py		96.7			
660													660	

Pink granite, fresh, crowded porphyry texture, 4% natics, max 10% qtz, med. pink colour.

Composition: 78% clay altered feldspars (white to pale green, with 15-20% qtz mainly interstitial but numerous siliceous veins do exist, 1-1.5% py.

654.9m: rectangular shaped fragment (3x1.5cm) light green, v.f. grained, 4% py, contains sericite flakes dacite?

648.4 moderate to strong clay alteration, weak propylitic, pale white-green feldspars with 10-15% interstitial qtz + 1.5% py. easily scratched. locally extremely clay alteration, also qtz veining common. locally crumbly

650.7m - 652.7m: weakly altered.

652.7 - 653.3m: moderate to strong alteration weak to moderate chlorite alteration (strongest at top + bottom of zone. colours green to white. strongest clay near center.

647.55 - 648.4m. weakly altered, just barely scratchable, pale pink-green colour.

HOLE NO.: DP14 | PROJECT: DEER PARK | PAGE NO.: 45 of 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21 80 | REF. TO CLAIM CORNER:

COORDINATES: 80100 N. 78100 E. | DATE FINISHED: JULY 21 80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS: Some qtz stockwork with py ± minor Mo 673.0-673.6m.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
660					very weak	mt, Mo, py, Fl		Veinlet @ 20°, 1mm of qtz minor py ± cp?		660.2			660	
661								Pink granite (?): fresh, coarse grained, minor chloritization of mafics. Trace disseminated Mo	.5% mt					
662								Veinlet @ 30°, 1mm of qtz ± Mo. 661.5m: irregular shaped diorite? fragment ≈ 5x3cm. No Mo.	trace py		93.3	NQ		
663								Vein @ 30°, 2-3mm of qtz ± mt, minor Mo.		663.2			663	
664					very weak	mt, Mo.		Qtz vein @ 45°, 4mm of grey qtz. 664.2-664.5m: grey aplite porphyry, pale pink phenocrysts	.5% mt.	663.9	100			
665								Fracture @ 40°, minor chl ± py.	trace py					
666								Vein @ 30°, 5mm of mt + qtz minor py ± Mo. Pink granite similar to above but No disseminated Mo. locally weak alteration.		666.3	100		666	
667														
118						minor mt, py, Mo		Fracture @ 60°, minor chl.	.2% mt.					
668									.1 "		100			
669					weak			2.5cm zone of qtz, py + brecciated (?) @ 30°. 5% mafics, coarse grained, feldspars homogeneous in colour.		669.3	100.		669	
670								Vein @ 25°, 1mm of qtz ± mt, minor Fl, py ± chl, trace Mo. this vein offset. 5mm by veinlet @ 20°, 1mm of qtz, minor py.	.1/20 mt.	669.6				
671						Mo, py			.5% "		96.7			
672								671.35-677.6m: Highly altered but still very hard, rock is white with a pale pink color. py 2%, qtz 10%, trace disseminated Mo. fine qtz veinlets common. softness of rock is increasing with increasing clay alteration.	mt all 2% py	672.4			672	
119								Fracture @ 20°, coated with Mo ± py						
673								Fracture along vein @ 30° 5mm of Mo, py ± qtz.			100			
674								673.-673.6m: Moderate qtz stockwork with py ± minor Mo Prominent sets ⊥ @ 25 & 35°						
675								Fracture @ 30° along 2cm, clay zone.					675	

stockwork | trace | moderate | weak | weak

HOLE NO.: DP14 | PROJECT: DEER PARK | PAGE NO.: 46 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21 80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
675													675	
676								Qtz + brecciated (9) zone @ 30°, 2cm wide minor py. Veinlet @ 23°, 1mm qtz + py.	Moderate to strongly clay altered granite; white to pale green, easily scratched, qtz veinlets common.	675.9				
677								Fracture @ 10°, mac clay, just before this (20cm) one has minor Mo						
678								Fracture @ 65°, along a 5mm qtz vein	677.6 - 678.2m: little alteration, fresh, pink, gradation above + below with clay alteration.	nil 2 py.	100.	NQ	678	
679									678.9 - 679.5m: little alteration, pink.	678.5				
680								Veinlet @ 30°, 2mm of py, Mo, qtz Qtz veinlets @ 35°, avg 1mm of qtz minor py, 1 per 6.5cm.		mt. nil 1.5 py	96.7			
681									weak clay alteration but the rock is still white with a pale pink colour, rock not easily scratched. locally areas with little or no alteration (pink). avg 1.5-2% py after hblnt? trace disseminated Mo.				681	
682								Fracture @ 70°, clean.		681.5				
683								Contact @ 25°, sharp	682.95 - 683.55m: Zone of brecciation - fragments are angular clay altered g of the host rock: 60% matrix is grey qtz with 2 1% py, trace Mo.	nt. nil 2 py	100.			
684								Contact @ 25°, sharp Qtz veinlets @ 25°, avg 1.5mm, 1 per 2cm. minor py.					684	
685								in above meter 12 qtz veins. Fracture @ 34°, coated with Mo+py	similar to above.	nil mt. py 2%	100			
686										684.6				
687								few veinlets.	687.4 - 688.5m: little alteration, pink.				687	
688								Fracture @ 70°, clean.	white to pale pink, not to hard to scratch. few qtz veinlets.	trace clay alt. py 2%	100			
689								Fractures @ 30°, some with py + trace Mo?, one with black clay? irregular micro qtz veinlets.		687.6				
690													690	

HOLE NO.: P14 | PROJECT: DEER PARK | PAGE NO.: 47 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N 78+00 E | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
690								Silicous vein @ 20°, 5mm of gtz minor py.	Granite: white to pale pinkish-green. quite easily scratched			100		690	
691					weak				691.8 - 694.9m: fresh, coarse grained, hard, equigranular, little py, slightly magnetic. 10% dark pink feldspar crystals.						
692						py		Fracture @ 70°, clean.				100	NQ		
693														693	
694						mt, py		Veinlet @ 16°, 2mm of gtz, minor chl.	similar to above, weak clay (chlorite) alteration for 20cm on either side of gtz vein @ 695.15m.						
695								Silicous vein @ 15°, 5-6mm, minor brecciation + py.							
696												100		696	
697					weak	py, minor Fl		Fracture @ 10°, along a 1mm gtz veinlet.	697.2 - 697.9m: weak clay alteration, pale pink-green colour, zone has many single gtz veinlets as well as numerous hairline stringers of gtz						
698								Fracture @ 40°, quite clean.				100			
699					very weak				Pink granite: fresh, pink-white in colour although there is only 5% increase in plag, coarse grained, phenocrysts not easily seen.					699	
700								Veinlet @ 13°, 1mm of gtz + py.							
701		trace						Veinlet @ 15°, 1mm of gtz + py.	locally over 0.5 meter or less there is weak clay alteration as described above. these alteration zones are the result of the injection of gtz veins with hydrothermal fluids altering the rock.			100			
702								Fracture @ 55°, minor gtz.						702	
703								703.1: aphanitic light grey fragment 4x4cm, 1-2py, little K-feldspar?							
704								Veinlet @ 10°, .5mm of Fl + gtz	703 - 704.2 m: weak clay alteration, note that the Fl is present in the alteration zones + not the fresh rock.			100			
705								Fracture @ 70°, clean.						705	
								Fracture @ 15°, minor clay.							

1/2 of section weak | locally weak | locally weak | locally weak | mod. | locally weak | locally weak | weak

weak | weak | weak | weak | weak | weak | weak | weak

py | py | py | py | py | py | py | py

Fl | Fl | Fl | Fl | Fl | Fl | Fl | Fl

trace | trace | trace | trace | trace | trace | trace | trace

1mm | 1mm | 1mm | 1mm | 1mm | 1mm | 1mm | 1mm

Joints: nil mt. | nil py: 1.5% py | .3% mt | .2% py | .2% mt | .2% py | .2% mt | .2% py | .7% mt. | .5% py

690.7 | 693.3 | 696.8 | 699.8 | 702.9

HOLE NO.: DP14 | PROJECT: DEER PARK | PAGE NO.: 48 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock.

SECTION	ALTERATION: Silicification	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
705								AVE CORE REC'Y / HOLE						705	
706					weak	py, Mo, nt.		Two veinlets @ 15°, max 2mm wide, qtz, py + Mo, other one is hairline.	Pink Granite: 705.8 - 711.3 : weak to moderate clay alteration, pale white green to white pink. weak chlorite, rare disseminated Mo, however good Mo in occasional veinlets + along fractures. 1.5% py.	trace nt.	705.7	100.	NQ		
707								Two fractures @ 20°, 7mm apart minor coating by Mo		1/2% py					
708		trace	mod- strong.	weak	weak	py, Mo.		Zone of qtz, black clay? + clay 7mm @ 10°.	708.3 - 708.6 m: high clay, crumbly.	mt all	709.0	100.		708	
709										2-2.5% py					
710								Fractures + veins @ 16°, veins 5mm or less of qtz, py, fractures have trace Mo.							
711			locally weak.			py, Mo.		Hairline Mo veinlet @ 25°.	710.87 m: Mo hairline veinlet @ 25° offset 8mm by a 1mm qtz veinlet @ 50°, veinlets ± ⊥			100.		711	
712					weak				quite fresh + hard, note that around many qtz veinlets the feldspars have turned white but are still hard.	.3% mt	712.0				
713								Fracture @ 30°, minor clay + chl.		.3% py					
714						py nt.		Veinlet @ 32°, 1mm of qtz				100.		714	
715	weak				weak			Vein 30°, 1cm of qtz + breccia. fracture at edge of vein - much clay. also clay alteration (pale green for 3cm of from vein.	715.1 - 716.7 m: white is rock, hard, + large k-feldspar crystals not easily seen, py 1.5% minor disseminated Mo	trace nt.	715.1				
716						py, Mo, trace nt.		Two qtz veinlets 10cm apart. 2-6mm wide, trace Mo, marks beginning of alteration.		1/2% py.					
717						py		Fracture along veinlet @ 40°, 1mm of dark qtz + minor py	715.6 m: Hairline py veinlet ≈ parallel to core offset by 2mm another hairline py veinlet @ 30°.	trace nt.		96.7		717	
718					weak.			Veinlet @ 15°, 1mm qtz minor py + Fl.	Pink Granite (a): fresh, hard, coarse grained + equigranular (6mm²) even though some k-feldspar crystals are up to 1x2cm. slight chloritization of mafics	1/2% py	718.1				
719						mt.		Veinlet @ 7°, .5mm of qtz + chl minor py.		.5% mt.					
720								Fracture @ 50°, minor chl + py.		trace py				720	

HOLE NO.: DP 14 | PROJECT: DEER PARK | PAGE NO.: 49 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80 100 N. 78100 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT
720														720	
721				weak.	weak.	Int, trace py, Fl		Vertical fractures, clean. 720.9 - 720.95 - mod. clay + crumbly.		.4% mt.	720.9	100			
722								Pink Granite: similar to above, slight chlorite alteration of some feldspar crystals as well most matics (hbl + bio). few veinlets, little py.		trace py.					
723	-	-	-	weak.	-	-	-	Hairline veinlet @ 28°; chl + py.				100	NQ	723	
724								Veinlet @ 10°, 1mm of qtz, minor py.							
725				weak.	weak.	int py		Veinlet @ 20°, 1mm of qtz, minor py. Vein @ 11°, 1.7 cm, of siliceous green aphanitic material.		.3% mt. .1% py	723.9				
726	-	-	-	-	-	int py	-	Vertical fractures, clean, 1 per cm. Qtz vein @ 22°, 2mm wide + marks beginning of dike.				97.1		726	
727					weak.			Contact very irregular but quite sharp. highest py near contact. 727.55 - m irregular fragment of (?)		nil mt.	727.3				
728						py		726.7 - ; Composite Dike? 726.7 - 728.04: Qtz - Feldspar porphyry dike - 2% rounded qtz eyes (avg 1mm across) plus 3% subhedral light pink feldspar phenocrysts (avg 2-3 mm across) in an aphanitic light grey-green matrix.		.5% py.					
729	-	-	-	-	-	-	-	Fracture @ 80°, minor py.				100		729	
730					weak			728.04 - 731.0: similar to above but with a dark green matrix, contact is sharp with above @ 75°, + marked by a 1mm qtz vein.		nil mt.	730.3				
731						minor py		Qtz veinlets @ 10°, 1-3mm irregular.		1/2% py					
732	-	-	-	-	-	-	-	731.0 → qtz feldspar porphyry but matrix begins to lighten 731.0 - 734.7 m: pale green aphanitic matrix locally the feldspar phenos. are irregular with a washed out appearance.		nil mt.		100.		732	
733					weak.			Fracture @ 70°, clean. Rare chl veinlets.		nil py.	733.3				
734						minor py.		734.7 - 736.4 beige matrix, 3% qtz eyes + 10% feldspar subhedral phenocrysts. very hard as above.							
735	-	-	-	-	-	-	-	Fracture @ 40°, minor calcite.						735	

HOLE NO: P14 | PROJECT: OEEN PARK | PAGE NO.: 50 OF 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock.

COMMENTS:

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
735													735	
130 736					weak			Quartz-Feldspar Porphyry Dike (17a) 736.4 - 738.3m: pale green matrix, 3-4% rounded qtz eye + 5% feldspar phenocrysts fine 1% disseminated py, minor sericite.	nil		100			
737						cy.	/	Fracture along hairline py veinlet @ 18°.	mt .2 py	736.4		NQ		
738	-	-	-	-	weak		/	738.3 - 740.0 m: matrix colour begins to darken again to a pink-brown colour, feldspar phenos increase to 15% (avg. 1.5 x 4mm) from colour matrix is high in kf feldspar. Contact with next variation @ 15°, gradational over 1cm.			100.		738	
739						nil py,	/	Fracture @ 35°, quite clear.		739.4				
740							/	Fracture @ 10°, minor py + calcite	nil					
741	-	-	-	-	weak	-	/	Feldspar to Qtz-feldspar porphyry. generally medium green in colour, 15% white + pink subhedral phenocrysts (avg 1.5 x 3mm). phenos grade down into the fine grained to aphanitic groundmass. avg 1% rounded calcite patches (avg < 2mm) but locally they may reach ~2 x/cm. nil py, mt + Mo., nil veinlets.	nil py		96.8		741	
742							/	Fracture @ 55°, minor Mo. Qtz veinlets @ 10°, irregular, 1mm.	mt					
743									nil	742.5				
744	-	-	-	-		-	/	Fracture @ 55°, minor qtz.	nil py		100		744	
745					weak			locally dark green patches of the same rock exist.						
746					very weak			No veinlets.						
747	-	-	-	-		-	/	Fracture @ 55°, clean.	mt nil	745.5				
132								No veinlets	py nil		100.		747	
748					weak,		/	Fracture @ 65°, minor clay.						
749							/	Fracture @ 65°, clean.		748.6				
750	-	-	-	-	-	-	-		mt nil py		100.		750	

k-feldspar phenocryst almost grade into the matrix.

minor qtz.

the calcite seems to have replaced in some cases the antors of some feldspar phenos.

dark green patchs common, avg 1 x 2 cm

HOLE NO.: 14 | PROJECT: DEER PARK | PAGE NO.: 51 of 51

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: JUNE 21/80 | REF. TO CLAIM CORNER:

COORDINATES: 80+00 N. 78+00 E. | DATE FINISHED: JULY 21/80 | SCALE: 1:100

INCLINATION: -70° | BEARING: 180° | TOTAL DEPTH: 762.6 m | LOGGED BY: T. Pollock

ALTERATION: Silica | Sericite | Clay | Chl/calcite | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
750	Fracture @ 85°, clean.					750	
751	751.4: Pink Granite xenolith 4×6mm.	mt nil		96.7	NQ		
752	No veinlets or fractures.	py nil	751.6				
753				100		753	
754	Vertical fractures, 1 per .5m for 20cm.						
754	Contact @ 20°, gradational over 10mm	mt nil					
755	Hairline calcite veinlet @ 70°.	py nil	754.7				
756	Fracture @ 70°, clean.			100		756	
757	5mm zone of weak chloritization						
758	No veinlets		757.9				
759	Fracture @ 60°, clean.			94.7		759	
760	Calcite veinlet @ 75°, 1mm wide.						
761	Veinlet @ 75° 1.5mm py + qtz minor chl + Mo.	mt nil	760.7				
762	irregular hairline py veinlets	py 2-3%				762	
763							

754.05m: Quartz - feldspar porphyry beige to light green, 3% rounded qtz eyes (1-3mm), and 10% feldspar phenos (1.5×3 m) in an aphanitic matrix. rare rounded patch of darker green material with calcite vesicules similar to dike below. This porphyry is becoming lighter with depth.

758.6-758.86m: light green aphanitic dike with calcite vesicules, largest ones at top of dyke (avg 3×5mm). 4% of dike calcite.

Qtz-feldspar porphyry: similar to above but phenos are white plag, matrix is becoming pale green, more siliceous plus fine disseminated py shading up.

End of Hole 762.6 m.
= 2502'

68000 E
69000 E
70000 E
71000 E
72000 E
72000 N
71000 N
70000 N
69000 N

NEW 1
NEW 2
NEW 3
NEW 4

MOUNT SHIELDS

DP-14

LCP

Qal/RB Creek

Creek

Creek

Creek

MINERAL RESOURCES BRANCH

N

LEGEND

- Road or trail
- River or creek
- 1600 Contours (V.I. = 10m)
- Claim boundary
- 1788 △ Elevation control point
- DP-14. ⊙ 1980 Diamond drill hole
- ⊡LCP Legal corner post

NOTES :-
1. Contour interval : 10 metres
2. 710,000 EAST and NORTH Metre Grid is identical to 7,000 EAST and NORTH Feet Grid
3. Date of photography : 30th July, 1968 (B.C. Govt. air photos) Recent information has been added
4. Datum : G.S.C.

N

UTAH MINES LTD.
EXPLORATION DEPARTMENT
Vancouver British Columbia

DEER PARK Mo PROSPECT

DIAMOND DRILL HOLE COLLAR LOCATION PLAN

Work by : T. R. P.	Date : Dec. 1980	NTS Ref. 82-E-8
Drawn by : Ram N. Gopal	Revised :	

SCALE 1:5000

METRES 100 0 100 200 300 400 METRES