MAP NO.	**ASSESSMENT REPORT**	**DOCUMENT NO.:**	091991
	PROSPECTUS	**MINING DISTRICT:**	Whitehorse
	CONFIDENTIAL	**TYPE OF WORK:**	Diamond Drilling
105 D 2	**OPEN FILE**		

REPORT FILED UNDER: Island Mining and Exploration Ltd.

DATE PERFORMED: July 1987 **DATE FILED:** December 30, 1987

LOCATION: **LAT.:** 60°10'N **AREA:** Midnight Gulch

LONG.: 135°10'W **VALUE $:** 17,600.00

CLAIM NAME & NO.: TON 1-16 YA78181-196
JL 1-80 YA59033-056
GRAY 1-4 YA78743-745
AFI 225-296 YA85877-948
ISLAND 1FR - 2FR YA93380-381

WORK DONE BY: A. Montgomery

WORK DONE FOR: Island Mining and Exploration Co. Ltd.

DATE TO GOOD STANDING		REMARKS: ~~#13 COLLEGE GREEN (GRAY)~~
		#32 MT. STEVENS
		#19 CHARLESTON
		See EIP report 092144

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no.

R.M.M.R. file no.

Date forwarded 30 DEC. 87

TRANSMITTAL FORM

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS DEC 30 1987 WHITEHORSE YUKON TERRITORY

From ▶ Mining Recorder at: WHITEHORSE

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☑ DIAMOND DRILL LOGS — Claims TON 1-16; JL 1-80; GRAY 1-4; AFI 225-296, TSLAND 1-2 — Claim sheet no. 105-D-2
- ☐ QUARTZ ASSESSMENT REPORT — Claims — Claim sheet no.

Type of report

Submitted by SKUKUM RESOURCES LTD.

Cls. work performed on

$ req. for ren. application $17,600.00

J.P. Bullard
Signature

Date returned

REPLY ACTION

Signature

802-6027-26 (6-86)

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

092138

M.R. file no. 340-13-2
R.M.M.R. file no.
Date forwarded 14 April 1988

TRANSMITTAL FORM

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS APR 14 1988 WHITEHORSE YUKON TERRITORY

From ▶ Mining Recorder at: Whitehorse

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☑ DIAMOND DRILL LOGS — Claims: HO 1-20, Island 1-13, Tex 1-22, Kid 102 etc. — Claim sheet no.: 105-D-3
- ☐ QUARTZ ASSESSMENT REPORT — Claims — Claim sheet no.

Type of report

Submitted by: Island Mining

Cls. work performed on: HO 2 HO 18 YA 82048 - YA 82994

$ req. for ren. application: 48.00

For your Info.

Signature

REPLY ACTION

Date returned

091991

Signature

802-6027-26 (6-86)

DIAMOND DRILL REPORT

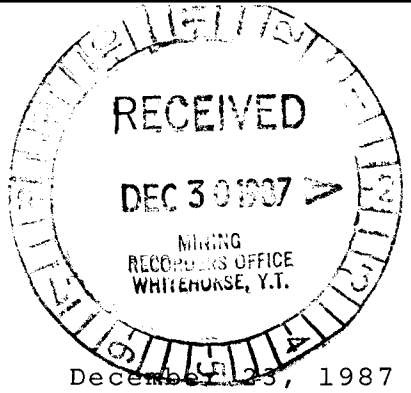
Island Mining & Explorations Co. Ltd.

Midnight Gulch Project

1875 P

CLAIM	GRANT NUMBERS
TON 1-16	YA78181 - 196
JL 1-80	YA59033 - 056, YA85597 - 652
GRAY 1-4	YA78743 - 745
AFI 225-296	YA85877 - 948
ISLAND 1fr-2fr	YA93380 - 381

091991



December 23, 1987

MIKE FISH
MINING RECORDER
WHITEHORSE MINING DISTRICT
ROOM 201, FEDRAL BUILDING
WHITEHORSE, YUKON
Y1A 2B5

Dear Mike:

Enclosed is a second copy of drill logs etc. as part of the application to renew the TON, AFI, JL, and ISLAND fr claims (Whitehorse Mining District).

My apologies for the delay.

Yours Truly,

A. Montgomery

Allan Montgomery
Island Mining & Explorations Co. Ltd.

09 1991

AM/am

Core is stored in the Whitehorse Core Library.

091991

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 14 1987
DATE REPORT MAILED: July 22/87

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT-MIDNIGHT GULCH File # 87-2426

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F8366	24	13	59	.1	3	3
F8367	26	12	92	.1	2	5
F8368	5	6	64	.1	5	3
F8369	23	10	83	.1	4	1
F8370	4	5	59	.1	2	3
F8371	11	6	65	.1	4	1
F8372	11	9	63	.1	3	1
F8373	68	29	81	.1	2	1
F8374	18	13	70	.1	2	2
F8375	30	11	79	.2	6	3
F8376	11	22	23	.3	7	3
F8377	3	23	7	.3	7	4
F8378	90	18	119	.2	2	1
F8379	4	39	8	.2	4	5
F8380	11	13	22	.4	5	2
F8381	18	21	32	.2	33	8
F8382	22	68	86	.1	56	4
STD C/AU-R	57	41	123	7.4	42	495

091901

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F8383	46	49	93	.4	31	14
F8384	40	29	63	.3	39	7
F8385	32	32	21	.8	46	58
F8386	25	31	24	.4	32	5
F8387	34	48	20	.6	23	10
F8388	20	85	21	.9	43	19
F8389	28	37	38	.5	26	12
F8390	37	32	42	.7	62	13
F8391	25	238	49	1.0	16	17
F8392	24	34	25	.3	13	11
F8393	25	25	86	.4	10	14
F8394	6	12	105	.4	9	3
F8395	5	7	94	.2	5	1
F8396	11	11	62	.4	3	1
F8397	15	10	90	.2	5	3
F8398	57	10	53	.4	9	2
F8399	28	6	74	.2	4	1
F8400	45	7	65	.6	7	1
F8401	51	8	62	.4	5	1
F8402	9	10	61	.2	3	3
F8403	24	10	90	.3	6	1
F8404	21	17	68	.3	5	2
F8405	46	3	77	.4	8	1
F8406	37	13	71	.4	8	1
F8407	47	18	76	.4	7	1
~~87 3 5 1 045~~	~~52~~	~~2~~	~~27~~	~~.1~~	~~6~~	~~2~~
~~87 3 5 2 046~~	~~22~~	~~327~~	~~75~~	~~2.7~~	~~37~~	~~6840~~
STD C/AU-R	62	39	132	7.6	40	490

09 1991

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUL 23 1987

DATE REPORT MAILED: July 31/87...

ASSAY CERTIFICATE

- SAMPLE TYPE: Core

ASSAYER: D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT-MIDNIGHT GULCH File # 87-2653A

SAMPLE#	AG OZ/T	AU OZ/T
8411	.01	.001
8412	.01	.001
8413	.01	.001
8414	.01	.001
8415	.05	.005
8416	.05	.001
8417	.02	.001
8418	.02	.001
8419	.02	.001
8420	.01	.001
8421	.01	.006
8422	.01	.001
8423	.01	.002
8424	.02	.002
8425	.01	.001
8426	.01	.001
8427	.02	.001
8428	.02	.001
8429	.03	.001
8430	.01	.001
8431	.01	.001
8432	.01	.001
8433	.01	.001
8434	.01	.001
8435	.01	.009
8436	.08	.013
8437	.01	.007
8438	.13	.003
8439	.03	.002
8440	.05	.009
8441	.03	.007
8442	.01	.002

091991

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUL 23 1987

DATE REPORT MAILED: July 31/87...

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-CORE P2-SOIL/ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: .D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT-MIDNIGHT GULCH File # 87-2653 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
8408	35	13	83	.4	6	2
8409	13	14	78	.1	26	4
8410	18	16	192	.1	2	2

99 997

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED JUL 29 1987

DATE REPORTS MAILED Aug 10/87

ASSAY CERTIFICATE

SAMPLE TYPE : CORE/ROCK

ASSAYER D Toye DEAN TOYE , CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT MIDNIGHT GULCH FILE# 87-2814A PAGE# 1

	SAMPLE	Ag oz/t	Au oz/t	
P-O-D' 87-WB4	F-8443	.01	.010	
	F-8444	.04	.011	
	F-8445	.02	.001	
	F-8446	.03	.001	
87-WB2	F-8451	.02	.002	
	F-8452	.01	.001	
	F-8453	.03	.001	
	F-8454	.04	.001	
	F-8455	.05	.004	
	F-8456	.01	.001	
	F-8457	.03	.004	
	F-8458	.04	.011	
	F-8459	.04	.004	
	F-8460	.01	.001	
	F-8461	.03	.001	
	F-8462	.03	.001	
	F-8463	.01	.001	
	F-8464	.02	.001	
	F-8465	.02	.001	
	F-8466	.04	.001	
	F-8467	.01	.001	
	F-8468	.01	.007	* HAVE SPEC. PREP'D
	F-8469	.11	.335	←
	F-8470	.03	.006	
	F-8471	.02	.001	
	F-8472	.02	.001	
	F-8473	.01	.001	
	F-8474	.01	.003	
	~~87-331-009~~	~~.48~~	~~.068~~	(ALWAYS ADIT)

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JULY 30 1987

DATE REPORTS MAILED Aug 12/87

ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER D Toye DEAN TOYE . CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT MIDNIGHT GULCH FILE# 87-2868A PAGE# 1

87-0382

SAMPLE	Ag oz/t	Au oz/t
8475	.05	.001
8476	.01	.001
8477	.03	.001
8478	.01	.001
8479	.01	.001
8480	.01	.001
8481	.03	.001
8482	.01	.001
8483	.01	.001
8484	.02	.001

091991

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 06 1987
DATE REPORT MAILED: Aug.14/87..

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye.. DEAN TOYE, CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT-MIDNIGHT GULCH File # 87-3054 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F 8559	33	40	76	.4	2	1
F 8560	11	15	99	.2	8	2
F 8561	372	42	276	.6	8	3
F 8562	16	31	90	.3	8	1
F 8563	13	10	64	.1	4	1
F 8564	7	26	7	.6	4	45
F 8565	6	5	52	.2	5	1
F 8566	8	53	94	.1	2	2
F 8567	5	23	437	.5	6	1
F 8568	38	447	276	3.0	25	168
F 8569	27	397	116	1.7	25	159
F 8570	15	868	70	3.6	36	220
F 8571	40	246	290	1.3	52	147
F 8572	46	666	196	2.3	63	430
F 8573	28	1597	193	6.1	44	340
F 8574	6	68	1128	.5	7	1
F 8575	3	3	18	.2	8	3
F 8576	2	4	58	.1	4	1
F 8577	3	4	11	.2	6	5
F 8607	3	76	83	.6	5	24
F 8608	9	88	96	.8	6	3
F 8609	16	138	211	.6	8	25
F 8610	15	175	149	.6	5	1
F 8611	4	114	88	.4	16	270
F 8612	8	31	77	.3	3	40
F 8613	16	46	93	.3	7	4
F 8614	3	1293	207	2.1	11	380
F 8615	4	1207	176	2.4	15	700
F 8616	6	41	125	.3	6	8
F 8617	6	116	231	.4	7	10
F 8618	19	417	508	1.3	3	5
F 8619	16	173	140	.9	8	1
F 8620	20	14	46	.2	7	2
F 8621	6	172	189	.5	11	37
F 8622	6	345	177	1.0	9	250
F 8623	7	42	53	.3	12	4
STD C/AU-R	59	39	132	7.4	39	470

091991

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F 8624	7	24	37	.7	2	2
F 8625	7	28	41	.2	2	1

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 07 1987

DATE REPORT MAILED: Aug 18/87...

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-CORE P2 TO P3-ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: ..D. Toye.... DEAN TOYE, CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT-MIDNIGHT GULCH File # 87-3112 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F-8485	27	6	81	.4	5	1
F-8486	13	6	21	.3	2	1
F-8487	9	9	36	.1	4	1
F-8488	7	9	26	.2	2	1
F-8489	13	9	23	.1	2	2
F-8490	159	6	109	.5	6	1
F-8491	156	10	130	.1	2	1
F-8492	87	5	124	.1	8	2
F-8493	303	7	136	.1	8	3
F-8494	29	10	67	.4	8	11
F-8495	26	10	64	1.8	22	34
F-8496	7	6	18	.6	6	13
F-8497	14	5	26	.5	3	6
F-8498	9	6	21	.3	5	4
F-8499	13	11	32	.5	7	17
F-8500	4	11	30	.3	2	12
F-8501	5	16	30	.3	5	20
F-8502	4	7	31	.2	7	6
F-8503	4	10	24	.3	2	2
F-8504	4	10	25	.4	4	2
F-8505	6	11	20	.3	8	4
F-8506	5	177	39	.7	11	13
F-8507	4	2	24	.1	4	1
F-8508	5	15	34	.2	6	4
F-8509	4	20	43	.3	11	2
F-8510	10	41	90	.5	5	4
F-8511	61	7	68	.2	2	1
F-8512	23	9	70	.1	6	2
F-8513	7	10	59	.1	9	3
F-8514	33	6	37	.2	7	3
F-8515	6	9	87	.3	8	2
F-8516	6	14	102	.1	15	14
F-8517	12	6	36	.3	3	2
F-8518	22	25	131	.2	11	2
STD C/AU-R	62	41	133	7.8	43	510

87-I1

87-I2

091991

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 10 1987
DATE REPORT MAILED: Aug.18/87....

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT-MIDNIGHT GULCH File # 87-3143 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F-8447	25	18	71	.4	4	1
F-8448	13	20	75	.1	5	1
STD C/AU-R	57	42	130	6.9	38	490
F-8449	33	17	62	.5	7	2
F-8450	108	17	92	.4	2	2
F-8519	168	11	110	.5	4	1
F-8520	58	58	72	.5	7	2
F-8521	101	23	111	.8	14	1
F-8522	90	11	128	.7	5	1
F-8523	35	12	83	.4	9	1
F-8524	254	11	107	1.3	8	4
F-8525	326	14	94	1.0	6	1
F-8526	20	7	78	.3	8	1
F-8527	88	9	80	.7	2	4
F-8528	38	17	73	.6	9	1
F-8529	14	9	85	.4	2	1
F-8530	81	13	101	.5	6	2
F-8531	5	8	71	.2	4	1
F-8532	76	10	43	.6	2	1
F-8533	40	14	39	.4	2	1
F-8534	33	11	48	.5	4	2
F-8535	10	9	85	.3	6	1
F-8536	22	8	84	.4	2	2
F-8537	42	13	72	.4	8	2
F-8538	9	11	71	.3	2	3
F-8539	9	9	69	.3	2	1
F-8540	5	18	95	.4	6	2
F-8541	18	14	81	.3	6	3
F-8542	24	13	86	.3	2	1
F-8543	37	16	87	.2	5	2
F-8544	5	9	77	.4	4	1
F-8545	10	11	75	.3	5	2
F-8546	24	10	76	.5	2	1
F-8547	10	6	62	.4	3	1
F-8548	12	6	65	.3	2	2
F-8549	19	17	57	.6	2	2
F-8550	10	11	39	.6	4	1

091991

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
F-8551	23	12	23	.4	3	1
F-8552	10	11	62	.1	4	4
F-8553	10	11	35	.5	5	1
F-8554	14	11	53	.2	7	1
F-8555	3	11	26	.5	5	2
F-8556	6	15	114	.2	7	1
F-8557	9	13	110	.4	7	18
F-8558	17	14	77	.3	6	1
F-8601	8	17	62	.3	9	1
F-8602	10	67	86	.7	10	720
F-8603	6	60	93	.4	2	14
F-8604	3	680	141	1.7	7	49
F-8605	17	161	217	1.1	6	240
F-8606	5	169	141	1.1	7	112
STD C/AU-R	58	41	131	7.1	40	500

ANALYTICAL RESULTS AND METHODS

DDH 87-A1

AURUM GEOLOGICAL CONSULTANTS INC. ADIT ZONE Property: ISLAND MINING JL CLAIMS

Sample Type	Sample No.	METRES ~~Footage~~ (first hole only)	Geochemical Analysis Cu	PB	ZN	AG	AS	AU (ppb)
MIXED OVERBURDEN (?)	8366	14.63-16.15	24	13	59	.1	3	3
GOSSANOUS SOIL	8367	16.15-18.35	26	12	92	.1	2	5
" + 30% Q-Cal. vns	8368	18.35-18.65	5	6	64	.1	4	1
GOSSANOUS SOIL	8369	18.65-19.20	23	10	83	.1	4	1
ALT'D TUFF & CLAY SOIL	8370	19.20-21.00	4	5	59	.1	2	3
"	8371	21.00-23.00	11	6	65	.1	4	1
"	8372	23.00-25.00	11	9	63	.1	3	1
"	8373	25.00-27.00	68	29	81	.1	2	1
"	8374	27.00-29.00	18	13	70	.1	2	2
"	8375	29.00-29.90	30	11	79	.2	6	3
ALTERED TUFF	8398	29.90-30.33	57	10	53	.4	9	2
ALT'D LAPILLI TUFF	8399	30.33-30.67	28	6	74	.2	4	1
"	8400	30.67-30.98	45	7	65	.6	7	.1
"	8401	31.48-31.78	51	8	62	.4	5	1
ALT'D INTERMEDIATE VOLCANIC	8402	44.86-45.13	9	10	61	.2	3	3
BRECCIATED LAPILLI TUFF	8403	74.20-74.53	24	10	90	.3	6	1
ALT'D & BRECCIATED TUFF	8404	78.16-78.83	21	17	68	.3	5	2
ALT'D TUFF & GOUGE	8405	89.61-90.21	46	3	77	.4	8	.1
"	8406	90.7-91.81	37	13	71	.4	8	.1
"	8407	92.0-93.0	47	18	76	.4	7	1
"	8408	93.0-94.18	35	13	83	.4	6	2
Q.-Cal. Lim vns	8409	100.1-100.56	13	14	78	.1	26	4
ALT'D INTERMEDIATE VOLCANICS	8410	102.4-103.05	18	16	192	.1	2	2
ALT'D Q. VEINED RHYOLITE	8376	103.05-103.33	11	22	23	.3	7	3

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ANALYTICAL RESULTS AND METHODS

DDH 87-A1

AURUM GEOLOGICAL CONSULTANTS INC. Property: ISLAND MINING JL CLAIMS

Sample Type	Sample No.	METRES Footage (FIRST HOLE ONLY)	Geochemical Analysis Cu	PB	ZN	AG	AS	AU(ppb)
ALT'D, Q. VEINED RHYOLITE	8377	103.33 - 104.20	3	23	7	.3	7	4
MUD WITH MAFIC BX. FRAG.	8378	104.20 - 105.46	90	18	119	.2	2	1
ALT'D RHYOLITE	8379	105.46 - 106.00	4	39	8	.2	4	5
"	8380	106.00 - 106.62	11	13	22	.4	5	2
ALT'D - STRONGLY SILICIFIED RHYOLITE	8381	106.62 - 107.5	18	21	32	.2	33	6
" "	8382	107.5 - 108.27	22	68	86	.1	56	4
"	8383	108.27 - 108.6	46	49	93	.4	31	14
"	8384	108.6 - 109.0	40	29	63	.3	39	7
Q. VEINED RHYOLITE	8385	109.0 - 109.4	32	32	21	.8	46	58
"	8386	109.4 - 109.88	25	31	24	.4	32	5
ALT'D RHYOLITE	8387	109.88 - 110 ~~7567~~	34	46	20	.6	23	10
"	8388	110.67 - 111.0	20	85	21	.9	43	19
"	8389	111.0 - 111.55	28	37	38	.5	26	12
"	8390	111.55 - 112.30	37	32	42	.7	62	13
"	8391	112.30 - 113.74	25	238	49	1.0	16	17
"	8392	113.74 - 114.07	24	34	25	.3	13	11
ALT'D RHYOLITE & TUFF BRECCIA	8393	114.07 - 114.48	25	25	86	.4	10	14
SHEARED ANDESITIC XTAL TUFF	8394	114.48 - 115.21	6	12	105	.4	9	3
"	8395	115.21 - 115.66	5	7	94	.2	5	1
ANDESITIC XTAL TUFF	8396	115.66 - 116.65	11	11	62	.4	3	1
"	8397	116.85 - 117.45	15	10	90	.2	5	3

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ANALYTICAL RESULTS AND METHODS

DDH 87-WB #1

AURUM GEOLOGICAL CONSULTANTS INC. WHEEL-BARROW ZONE Property: ISLAND MINING JL CLAIMS

Sample Type	Sample No.	Footage	Geochemical Analysis Ag oz/t	Au oz/t
RHYOLITE W. Q. VEINS	8411	75.5-77'	0.01	0.001
FELDSPAR PORPHYRY	8412	85.5-90.5'	0.01	0.001
VEINED M.GR. GRANODIORITE	8413	145.5-150.5'	0.01	0.001
GRANODIORITE & RHYO. PORPH.	8414	150.5'-155.5'	0.01	0.001
RHYOLITE PORPHYRY	8415	155.5-160.5'	0.05	0.005
"	8416	160.5-165.5'	0.05	0.001
"	8417	165.5-170.5'	0.02	0.001
"	8418	221.5-226.5'	0.01	0.001
RHYO. PORPH. & GREEN ANDESITE	8419	226.5-229.7'	0.02	0.001
RHYOLITE PORPHYRY	8420	229.7-234.7	0.01	0.001
"	8421	234.7-238'	0.01	0.001
ANDESITIC TUFF	8422	238-243'	0.01	0.001
BRECCIATED RHYOLITE	8423	243-247'	0.01	0.002
CALCITE-VEINED ANDESITE	8424	247-252'	0.02	0.002
AUGITE ANDESITE	8425	252-257'	0.01	0.001
"	8426	257-262'	0.01	0.001
CALCITE-VEINED ANDESITE	8427	262'-267'	0.02	0.001
"	8428	267'-272'	0.02	0.001
"	8429	272'-275.9'	0.03	0.001

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~~87 WB2~~

AURUM GEOLOGICAL CONSULTANTS INC. WHEELBARROW ZONE   Property: JL CLAIMS - MIDNIGHT GULCH

Sample Type	Sample No.	Footage	Geochemical Analysis Au (oz/ton)	Ag (oz/ton)
Py qtz vn in m. gr. QTZ MONZ.	8451	90'10" - 91'10"	.002	.02
RHYOLITE PORPHYRY	8452	136'7" - 137'7"	.001	.01
QUARTZ VEINED RHYOLITE PORPHYRY	8453	151'2" - 154'	.001	.03
" " ~~w/galena~~	8454	154' - 156'6"	.001	.04
" " w/galena	8455	156'6" - 158'	.004	.05
" "	8456	158' - 163'	.001	.01
" "	8457	163' - 168'	.004	.03
" " w/galena	8458	168' - 169'	.0[illegible]	.04
" "	8459	169' - 173'	.004	.04
QTZ MONZONITE & ~~RHYOLITE~~	8460	182'6" - 185'	.00[illegible]	.0[illegible]
RHYOLITE PORPHYRY	8461	191' - 196'	.001	.03
" "	8462	196' - 199'	.001	.02
ALT'D QTZ MONZONITE	8463	202'4" - 207'4"	.001	.01
QUARTZ VEINED ALT'D RHYOLITE PORPHYRY	8464	207'4" - 210'	.001	.02
" "	8465	210' - 213'	.001	.02
" "	8466	213' - 216'	.001	.04
" "	8467	216' - 219'	.001	.01
" " w/galena	8468	219' - 221'6"	.007	.01
" " w/galena	8469	221'6" - 223'	.335	.11
" "	8470	223' - 226'	.006	.03
" "	8471	226' - 229'	.001	.02
" "	8472	229' - 230'	.001	.02
" "	8473	230' - 231'6"	.001	.01
" "	8474	231'6" - 235'8"	.003	.01

ANALYTICAL RESULTS AND METHODS

87-WB2

AURUM GEOLOGICAL CONSULTANTS INC. WHEELBARROW ZONE Property: MIDNIGHT GULCH PROJECT SL CLAIMS

Sample Type	Sample No.	Footage	Geochemical Analysis Au (oz/T)	Ag (oz/T)
QTZ VEINED & ALT'D RHYOLITE PORPHYRY	8475	235'8" - 239'	.001	.05
	8476	239' - 242'	.001	.01
ANDESITIC TUFF	8477	242' - 246'	.001	.03
QTZ-CHL-Bx IN ANDESITIC VOLC.	8478	248'6" - 252'	.001	.01
BLEACHED ANDESITIC VOLC. & Q.V.	8479	262' - 265'	.001	.01
ALT'D & Q.V. ANDESITE	8480	271' - 280'6" (15% recov)	.001	.01
Py-chl-qtz-carb fractures in ANDESITE	8481	305' - 310'	.001	.03
25 cm Q.V. in ANDESITE	8482	325'6" - 327'5"	.001	.01
Q.V. in RHYOLITE PORPHYRY	8483	371' - 373'	.001	.01
SHEARED ANDESITIC VOLCANIC w/Q.V.	8484	376' - 378'	.001	.02

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ANALYTICAL RESULTS AND METHODS

DDH 87-WB 3

AURUM GEOLOGICAL CONSULTANTS INC.

Property: ISLAND MINING JL CLAIMS

Sample Type	Sample No.	Footage	Geochemical Analysis Ag oz/t	Au oz/t
VEINED RHYO. PORPHYRY	8430	36-41'	0.01	0.001
GREEN TUFF?	8431	53-58'	<0.01	0.001
"	8432	61-66'	<0.01	<0.001
SHEARED TUFF?	8433	66-71'	<0.01	<0.001
"	8434	71-76'	<0.01	<0.001
MINERALIZED RHYO. PORPH.	8435	114.5-118.5'	0.01	0.009
"	8436	118.5-122.5'	0.05	0.012
"	8437	122.5-126.5'	0.01	0.001
SHEARED QTZ N. Gn-Sl-Py	8438	203-204'	0.13	0.005
SHEARED and SILIC. RHYO.	8439	204-206'	0.03	0.002
VEINED RHYO. PORPHYRY	8440	222.5-227.5'	0.05	0.004
"	8441	227.5-232.5'	0.03	0.001
"	8442	232.5-237.5'	0.01	0.002
	~~REPEATS~~			
	~~Blanks~~			

ANALYTICAL RESULTS AND METHODS

DDH 87-WB4

AURUM GEOLOGICAL CONSULTANTS INC. Property:

Sample Type	Sample No.	Footage	Geochemical Analysis					
			Au (oz/T)	Ag (oz/T)				
F. Gr. FELD. PORP.	8443	90'-95'	0.010	.01				
"	8444	95'-100'	.011	.04				
Fault Gouge	8445	100'-105'	.001	.02				
"	8446	105'-110'	.001	.03				
			CU	PB	ZN	AG	AS	(AU PPB)
Green Andesite	8447	124'6"-125'8"	25	18	71	.4	4	1
As above + fault gouge	8448	127'-128'6"	13	20	75	.1	5	1
Alt'd fault gouge	8449	128'8"-129'8"	33	17	62	.5	7	2
Chloritized + foliated	8450	129'8"-130'8"	108	17	92	.4	2	2
Limonite alt'd gouge to chlorite alt'd gouge	8601	132'6"-134'6"	8	17	62	.3	9	1
Altered + Brecciated Andesite/Rhyolite	8602	134'6"-136'	10	67	86	.7	10	720
Tr-1% galena	8603	136'-137'	6	60	93	.4	2	14
" "	8604	137'-138'	3	680	141	1.7	7	49
[illegible]	8605	138'-143'	17	161	217	1.1	6	240
			5	169	141	1.1	7	112
Moderate sericitization	8606	143'-146'		PB	ZN	AG	AS	AU
Fe alt'd	8607	146'-151'	3	[illegible]	83	.6	5	24
≤3 mm qtz veins [illegible]	8608	151'-152'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Brecciated w/py	8609	152'-154'6"	16	[illegible]	[illegible]	.6	[illegible]	[illegible]
[illegible] <5% py, feld [illegible]	8610	154'6"-159'6"	[illegible]	[illegible]	149	.6	5	1
"	8611	159'6"-162'	[illegible]	114	58	[illegible]	[illegible]	[illegible]
[illegible]	8612	162'-167'	[illegible]	31	[illegible]	.3	[illegible]	[illegible]
"	8613	167'-168'8"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Gn in qtz-chlorite [illegible] veins	8614	168'8"-170'6"	3	[illegible]	207	[illegible]	[illegible]	[illegible]
"	8615	170'6"-172'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
tr to 1% Gn	8616	172'-174'	6	41	125	[illegible]		

ANALYTICAL RESULTS AND METHODS

DDH 87-W34

AURUM GEOLOGICAL CONSULTANTS INC. **Property:**

Sample Type	Sample No.	Footage	Geochemical Analysis					
			[illegible]	[illegible]	ZN	AG	AS	AU
Qz Monzonite	8617	174'-176'	6	116	231	.4	7	10
Strongly chloritized Tc → 1% Cp	8618	176'-178'	19	417	503	1.3	3	5
"	8619	178'-179'	16	173	140	.9	5	1
Slightly coarser grained	8620	179'-184'	20	41	46	.2	7	2
Pinkish Brown Rhyolite Porp.	8621	200'-203'	.6	172	159	.5	11	32
"	8622'	203'-207'	6	345	177	1.0	9	220
Buff Brown Rhyolite Porp.	8623	251'-256'	7	2	53	.3	12	4
"	8624	261'-266'	=	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	8625	271'-276'	=	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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ANALYTICAL RESULTS AND METHODS

DDH 87-I1

AURUM GEOLOGICAL CONSULTANTS INC. IVAN SHOWING **Property:** ISLAND MINING JL CLAIMS

Sample Type	Sample No.	Footage	Geochemical Analysis Cu	Pb	Zn	Ag	As	Au (ppb)
Brecciated Tuff	8485	22' - 24'	27	6	81	.4	5	1
Altd & q.v. Rhyolite porphyry	8486	29' - 32'	13	6	21	.3	2	1
Altd & Sheared porphyritic Andesite	8487	32' - 33'	9	9	36	.1	4	1
" "	8488	33'6" - 37'	7	9	26	.2	2	1
" " fault gouge	8489	39' - 39'6"	13	9	23	.1	2	2
Py jasper clasts in lapilli tuff	8490	43' - 45'	159	6	109	.5	6	1
Tuff bx & lapilli tuff. Tr cpy, py, mal, hematite	8491	87' - 89'	156	10	130	.1	2	1
Amygdaloidal flow tr. cpy, mal & py	8492	90' - 92'	87	5	124	.1	8	2
mottled lapilli tuff. Ep-carbons & bx. Tr mal & cpy	8493	100' - 102'	353	7	136	.1	8	3
Sheared & Altd Porphyritic flows & fault gouge	8494	129'6" - 135' (30% recov)	29	10	67	.4	8	11
Altd rhyolite	5495	135' - 140' (25% recov)	26	10	64	1.8	22	34
Altd RHYOLITE w/ q.v.	8496	151' - 154'	7	6	18	.6	6	13
" " ser q.v. (5mm)	8497	154' - 156'	14	5	26	.5	3	6
" "	8498	156' - 161'	9	6	21	.3	5	4
" "	8499	161' - 166'	13	11	32	.5	7	17
" "	8500	188' - 190'	4	11	30	.3	2	12
" "	8501	207' - 210'	5	16	30	.3	5	20
" "	8502	210' - 212'	4	7	31	.3	7	6
" "	8503	212'6" - 213'6"	4	10	29	.3	2	2
ser bx	8504	216' - 217'	4	10	25	.4	4	2
" "	8505	222'6" - 224'	6	11	20	.3	8	4
"	8506	224' - 227'	5	177	39	.7	11	13
Altd Rhyolite porphyry	8507	252' - 254'	4	2	24	.1	4	1
	8508	256' - 258'	5	15	34	.2	6	4

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ANALYTICAL RESULTS AND METHODS

DDH 87 - I1

AURUM GEOLOGICAL CONSULTANTS INC. IVAN SHOWING Property: ISLAND MINING JL CLAIMS

Sample Type	Sample No.	Footage	Geochemical Analysis Cu	Pb	Zn	Mo	As	Au(ppb)
Alt'd rhyolite porphyry	8509	267' - 272'	4	20	43	.3	11	2
Qtz veined Rhyolite	8510	300'6" - 302'6" (35% recov)	10	4	90	.5	5	4
Qtz-ep-cc-chl vn with py	8511	312'6" - 313'6"	61	7	68	.2	2	1
Alt'd Andesitic Volcanics. Fault gouge	8512	315'6" - 317'	23	9	70	.1	6	2
" "	8513	325' - 326'	.7	10	59	.1	9	3
Alt'd Rhyolite	8514	329' - 330'	32	6	37	.2	7	3

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ANALYTICAL RESULTS AND METHODS

DDH 87-I2

AURUM GEOLOGICAL CONSULTANTS INC. **Property:**

Sample Type	Sample No.	Footage	Geochemical Analysis Cu	Pb	Zn	Ag	As	Au(PPB)
Andesitic Tuff	8515	11'-12'	6	9	87	.3	8	2
"	8516	16'-18'	6	14	102	.1	15	14
ALT'D + Sheared Porph. Andesite(?)	8517	47'-50'	12	6	36	.3	3	2
Amygdaloidal Flow Andesitic Lapilli Tuff	8518	87.5'-88.5'	22	25	121	.2	11	2
Andesitic Tuff	8519	107'-109'	168	11	110	.5	4	1
epidotized above	8520	114'-115'	58	58	72	.5	7	2
Epidote, Chloropyrite + Hematite	8521	15'-120'	101	23	111	.8	14	1
Andesitic Lapilli Tuff	8522	124'-129'	90	11	123	.7	5	1
Andesitic Amygdaloidal Flow	8523	129'-130.5'	35	12	93	.4	9	1
"	8524	130.5'-133'	254	"	107	1.3	8	4
Andesitic Tuff + Crystal Lithic Tuff	8525	134'-135.5'	326	14	94	1.0	6	1
Andesitic Tuff + Amygdaloidal Flows	8526	135.5'-138'	20	7	78	.3	8	1
ALT'D + Sheared Andesitic Volcanics	8527	139'-141'	88	9	80	.7	2	4
"	8528	145'-147'	38	17	72	.6	9	1
"	8529	160'6"-161'6"	14	9	85	.4	2	1
Andesitic Lapilli Tuff + Tuff	8530	227'-229'	81	13	101	.5	6	2
ALT'D + Brecciated Above + Felsic Flows	8531	242'-243'	5	8	71	.2	4	1
Felsic Flow	8532	243'-245'	76	10	43	.6	2	1
"	8533	245'-247'	40	14	39	.4	2	1
"	8534	247'-250'	33	11	48	.5	4	2

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ANALYTICAL RESULTS AND METHODS

DDH 87-C1

AURUM GEOLOGICAL CONSULTANTS INC. Property:

Sample Type	Sample No.	Footage	Geochemical Analysis Cu	Pb	Zn	Ag	As	Au (ppb)
V. FINE GRAINED ALT' LAPILLI TUFF	8535	23'-28.5'	10	9	85	.3	6	1
V. FINE GRAINED ANDESITIC, CALCITE V.	8536	29'-35.0'	22	8	84	.4	2	2
" "	8537	35.0'-36.0'	42	13	72	.4	8	2
FeOx + Sericite ALT'D Tuff	8538	36.0'-51.0'	9	11	71	.3	2	3
Rubbly " "	8539	51.0'-62.5'	9	9	69	.3	2	1
Calcitic Soil along FRACTURES of above	8540	68.5'-72.5'	5	18	95	.4	6	2
Clay/Sericite gouge zones, Fsp porp & above	8541	74.6'-75.6'	18	41	81	.3	6	3
Broken, rusty soil + ALT'D tuff frags	8542	86.0'-87.0'	24	13	85	.3	2	1
Gritty soil + as above	8543	88.5'-89.5'	37	16	87	.2	5	2
2% calcite stringers + as above	8544	89.6-92.0'	5	9	77	.4	4	1
[illegible] stringers + shearing	8545	95.5-97.0	10	11	75	.3	5	2
[illegible] Fn. Gr. Feld. Porp.	8546	97.0'-104.5'	24	10	76	.5	2	1
Broken + sheared as above	8547	104.5'-107.0'	10	6	62	.4	3	1
~~Irregular calcite~~ Stringers to 1cm	8548	109.3'-111.0'	12	6	65	.3	2	2
~~Interbedded tuff + flow~~ with sericite	8549	113.1'-116.1'	19	17	57	.6	2	2
~~Qtz Fe CONT STRINGERS~~	8550	125.5'-128.0'	10	11	39	.6	4	1
Limonite, Qtz/Fe CONT	8551	146.5'-147.5'	23	12	23	.4	3	1
~~Tuffs Siliceous Porp. Flow~~ + Andesite (calcite stringers)	8552	163.3'-167.5'	10	11	62	.1	4	4
Highly fractured Tuff w/ [illegible]	8553	148.0'-149.0'	10	11	35	.5	5	1
Siliceous FELDSPAR PORPHYRY	8554	174.0'-175.0'	14	11	53	.2	7	1
" "	8555	183.5'-188.0'	3	11	26	.5	5	2
ALT'D LAPILLI TUFF W/ MINOR FELSIC FLOW	8556	197.7'-200.0'	6	15	114	.2	7	1
SILICEOUS FELD PORP. Fn. Grn. Pyroclastic?	8557	200.0'-203.7'	9	13	110	.4	7	18
D Green Andesitic ~~Lapilli Tuff~~	8558	208.2'-210.4'	17	14	77	.3	6	1

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ANALYTICAL RESULTS AND METHODS

DDH 37-C1

JRUM GEOLOGICAL CONSULTANTS INC. Property:

Sample Type	Sample No.	Footage	Cu	Pb	Zn	Ag	As	Au (ppb)
K Porp. Flow / ALT'D LAPILLI TUFF	8559	231.0' - 237.4'	33	40	76	.4	2	1
Rusty Lappili Tuff w Qtz/Fe Cbnt Veinlets	8560	237.4' - 240.3	11	15	99	.2	8	2
Muddy Sand	8561	250.5 - 251.5	372	42	276	[illegible]	[illegible]	[illegible]
Rubble (pale green rhyolite) to Clay rich mud	8562	255.0' - 256.0	[illegible]	31	[illegible]	[illegible]	[illegible]	1
Clay/Cbnt Shear	8563	257.8 - 261.2'	[illegible]	10	[illegible]	[illegible]	[illegible]	1
Pale Green Rhyolite	8564	262.8' - 267.0'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45
Coarse Tuff	8565	267.0' - 271.6'	[illegible]	[illegible]	52	[illegible]	[illegible]	1
Rusty w/ Qtz/Calcite Stringers	8566	315.2' - 320.0'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
Yellow Rhyolitic [illegible] Tuff Frags.	8567	368.0' - 369.0'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Pale Green Rhyolite	8568	369.0 - 374.0'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	8569	374.0' - 378.0'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	8570	378.0 - 379.0'	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
"	8571	379.0 - 384.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	8572	384.0' - 390.0'	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
"	8573	390.0' - 395.0'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Alt'd Lappilla Tuff/ Course Tuff	8574	395.0' - 396.5'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Porp felsic Flow	8575	441.5' - 446.5'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Alt'd Lapilli Tuff	8576	455.5' - 456.5'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Felsic Porp. Flow	8577	468.0' - 469.5'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OMNI RESOURCES INC.

DIAMOND DRILL HOLE LOG

PROJECT	CHARLESTON
COORDINATE N.	L0+50S
E.	L0+75E
ELEVATION	6770'
DATE STARTED	AUGUST 8, 1987
COMPLETED	AUGUST 11, 1987
HOLE SURVEY	
HOLE No:	87-S1
DEPTH	
AZIMUTH	235°
INCLINATION	-66
DRILLED BY	FALCON D.D.
ASSAYED BY	Acme
LOGGED BY	HUGH MACKINNON

Reason for Drilling TEST CHARLESTON MINERALIZED VEIN FOUND IN 1986 TRENCH #2

Explanation of Results MAIN CHARLESTON VEIN MAY PINCH OUT, OR BE FAULTED OFF AT DEPTH

LEGEND

Granodiorite
Andesite
Rhyolite
Rhyodacite
Sugar diorite
Qtz veins

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL ~~g/T~~ Au	ANALYTICAL ~~g/T~~ Ag
1	1		Ø		CASING – OVERBURDEN								
					13.0' COARSE GR. HNBLD GRANODIORITE (INTRUSIVE) 1-6% biotite. 1s ±20% ≤8mm hornblende xtals, 1-4mm qtz & feldspar xtals, 1% magnetite. Predominantly fresh to weakly alt'd. Alteration of mafics & occasionally feldspars to chlorite +/or epidote. Alteration generally increases w/ depth. Occasional xenoliths. Fractures variable, commonly at 70°, 20°, & 10° to C.A.								
	14		86%										
		5		.18									
	19		80%										
		4											
	23												
		5											
	28												
			99%										

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 2 of 11

BOX	Run	Core	% R	R.Q.D.
2	33	5		
	40	7	100	.50
	45	3		
45.6	48	5		
3	52	4		
	57	5	90	.31
61.4	62	5		
	66	4	78	.19

LITHOLOGY, ALTERATION, STRUCTURE

- 35.0 - 35.8'; Epidotized granodiorite w/ weak K (pink) alteration

- 41.8 - 42.7 : moderately sheared & altld granodiorite, chloritized bands @ 23° to C.A.
- 42.7 - 46.4 : 2 - 6% biotite, weak to mod alt'd.

Lower contact 40° to C.A.

46.4 MIXED ALT'D GRANODIORITE & FN. GR. GD.
Lower contact sharp at 25° to C.A.

47.4

DARK GREEN TO BROWN FINEGRAINED DIORITE

Weak to non magnetic; ≤0.5mm plagioclase laths in a v. fine grained matrix; "felt like" texture.

- 47.4 - 49.3; 12% ≤1mm subhedral chlorite phenocrysts in an aphanitic matrix. 5% open space vesicles? or weathered out phenos. Chilled contact?

66 - 69': Blocky & broken core

MINERALIZATION

tr - 1% v.fn.gr. py diss'd in qtz-calcite vnlts.

A.A.

Tr v.fn.gr. py diss. d in qtz vnlts.

GRAPHIC LOG

FT.

35 40 mod/ weak 45 50 55 60 65

SAMPLE			ppb / ppm ANALYTICAL		
Sample No.	INTERCEPT	CORE LENGTH	O.P.T. Au	O.P.T. Ag	Pb (ppm)
8578	41.8 - 42.8	1'	9	.1	7
8579	44.4 - 46.4	2'	1	.2	6
8580	46.4 - 47.4	1'	1	.1	7

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 3 of 11

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ppb ANALYTICAL O.P.T. Au	ppm ANALYTICAL O.P.T. Ag	ppm ANALYTICAL Pb (ppm)
	69	3												
70		3												
	72													
4		5			Lower contact sharp at @ 5° to C.A.									
					75.1 LIGHT-BUFF GREEN RHYODACITE 1-3% euhedral feldspar (Kspar ?), 1-3% qtz & 3% mafic (chlorite or hornblende) phenocrysts in an aphanitic matrix. Weak to moderate epidotization, predominantly along fractures. Weak carb along fractures. Slightly bleached. Fractures commonly 30° to C.A.									
	77													
		2												
70.6	79				78.8									
80		4			DARK GREEN ALT'D AUGITE (?) ANDESITE & FINE GR. DIORITE 5% chlorite alt'd anhedral to euhedral augite (?) phenocrysts in a groundmass that grades from fine grained (at top) to aphanitic (at base). Weakly magnetic, w/ v. fine grained diss. magnetite. Weak pervasive carb alteration, occasional (1-2mm) carb vein (commonly at 20° to C.A) & epidote-carb vns or vnlts at base. Weak to moderate pervasive chloritization. 3' chilled margin at base.	Tr diss VSgrpy towards base.	ch l	weak/ mod						
	83													
		5												
5			90	.80										
	88				89.3 Lower contact sharp at @ 30° to C.A.									
90		5			COARSE GRAINED HORNBLENDE GRANODIORITE White & black coloured w/ 20% euhedral ≤6mm hornblende, 30-40% plagioclase, 10-15% kspar, 30-35% quartz, & ~2% magnetite. Moderate but patchy propyllitic alteration w/ hornblende → chlorite, plag → epidote ± sericite ± calcite. 1% epidote or sericite vnlts.		ch l - ep - ser	mod						
	93													
95.4					96 Lower contact sharp at @ 40° to C.A.									
					DARK GREEN ANDESITE Grades from fine to very fine grained w/ depth. Calcik vnlts increase to 3% at depth. Chloritic & sericitic alt'n around vnlets.	tr-1% VSgrpy diss & along vnlts.		weak/ mod						
100			94	.54	-100.0 - 100.5 - chlorite alt'd augite andesite w/ aphanitic matrix. Strongly chilled margins - Xenolith?		ch l							
6														
	103				101.9 Lower contact sharp 40° to C.A.									
					COARSE GRAINED HORNBLENDE GRANODIORITE									

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-S1 Sheet 4 of 11

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ppb ppm ANALYTICAL G.P.T. Au	G.P.T Ag	Pb (ppm)
6					10-15% 1-12mm predominantly chloritized euhedral to subhedral hornblende, 25-40% 1-4mm grey qtz xtals, 10-15% subhedral kspar, 25-35% 2-5mm plagi xtals, tr to 2% euhedral biotite & magnetite. Generally fresh w/ weak pervasive chloritic alteration of mafic minerals. Minor 1-10 cm bands of moderate to strong propyllitic to phyllitic alteration. Alteration bands commonly 75°-90° to C.A. occasional xenolith of fn to med. gr mafic granodiorite Fractures commonly 50° to C.A., Occasional chlorite or hematite along fractures		110							
							120						
7			100	.51									
							125						
					128.5-128.9', chloritic & sericitic alteration halo around a 6mm qtz-chlorite-wad vein. Vein at 75° to C.A.	Tr py	strong	8581	128-129	1'	2	.1	11
							130						
8	135	3	87	.60									
	136	3											
	139	3											
	140						140						
	142												

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 5 of 11

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	Sample No.	INTERCEPT	CORE LENGTH	PPB Au	PPM Ag	PPM Pt (PPM)
	145'	3					145						
146.7		4			-146.9 - 147.2; Strong chl alt'd band at 45° to C.A.								
9	149'	4			-149.0 - 150.9'; 2 qtz-chlorite+ankerite(?) veins at 149 - 5cm & 149.8 - 4cm, Both at @ 65° to C.A; Chloritic alteration	5% gn, tr py in q.v. Gn as an aggregated mass in Vn and py along margins.	mod strong 150	8582	149'-150'	1'	28	6.91	2565
150		4						8583	150'-151'	1'	4	.4	9
1	153'	5	91	.65	-153.0 - 159.8'; Partially sheared(?) & fractured at @ ; at 15° to C.A;		155						
	159	5			-158.0 - 159.5'; Strong propyllitic alteration. Minor hematitic units.	Tr - 1% disspy	strong	8584	158.0 - 159.5	1.5'	2	.2	12
160		5					160						
162.7	163												
10		5					165						
	168												
170		5	100	.79			170						
	173				-171.7 - 172.1'; Moderate propyllitic alteration halo w/ minor hematite, around 1cm qtz-chl-fe carb vein. Vn at @ 80° to C.A.	tr - 1% py.	mod	8585	171.5-172.5	1'	1	.1	6
		5			-175.8 - 176.1'; A.A., but 4mm vn.		175						
	178												
180		c					180						

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 6 of 11

BOX	Run	Core	% R	R.Q.D.
180.7	183	5		
11	188	5	79	.74
190	193	5		
	198	5		
198	203	5		
200				
12	207	4	97	.57
210	212	5		
214.5		7		

LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.
		185
-188 : Possible slickensides at @ 20° to C.A.		
-189.4 - 189.8 : As above, w/ 7mm q.v. at 70° to C.A. & minor argillic alt' of feldsparr	tr py	190
-191.7 - 193 ; ~~Weak~~ propyllitic & argillic alt'd ; moderate ... weak	tr py	
-194.6 - 196.4 : Weak to moderate propyllitic alt'd. w/ 8mm q.v. at 195.4.		weak/mod 195
-198.3 ; 2mm q.v. w/ minor alteration halo	tr py	
-200.0 - 200.8 ; Moderate propyllitic grading to weak argillic alt'd.	tr py	200 mod
-201.1 - 201.3 ; As before w/ 3mm q.v.		
-208.0 - 219.0 : Weak to mod. alt'd w/ c... te pervasive chloritization, & argillic alteration around small veins. Granodiorite still weakly magnetic. Weak pervasive carb. alt'd.		210
		weak/mod

GRAPHIC LOG:

SAMPLE: Sample No.	INTERCEPT	CORE LENGTH	ANALYTICAL: O.P.T. Au	O.P.T. Ag

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 7 of 11

BOX	Run	Core	% R	R.Q.D.
	219			
220		4		
	223		84	.15
13	225	2		
	228	3		
230	230	2		
	235	3		
	235.5	2.5		
14		5	85	.40
	240.5			
241	243	2.5		
	244	4		
246.4	247			
	248.5	1.5		
	250.5	2	93	.07
15	253	2.5		
	255	2		

LITHOLOGY, ALTERATION, STRUCTURE

219.0 Lower contact broken

DARK GREEN ANDESITE

V. fine grained to aphanitic, non porphyritic; non magnetic.
Minor 2-4mm, qtz veins near top of unit & ±1mm calcite vnlts toward base of unit.

Blocky & broken core

Strong carbonatization, weak sericitization & partial bx for 15cm at lower contact.

229.3

COARSE GRAINED HORNBLENDE GRANODIORITE

As before, weakly altered throughout. All hornblendes → chlorite, minor epidote. → Weak propyllitic alt'd

-236.9 ; clay & hematite filled fracture at 35° to C.A.

-240.2 ; Fault gouge ?

-241.0 - 243 ; slightly more alt'd, brownish tinged - Fe carbonate (?) & Xenolith (?) at 241.

243.0

DARK GREY PORPHYRITIC ANDESITE

17-20% subhedral to euhedral zoned 3-8mm phenocrysts in an aphanitic matrix. Phenocrysts stick readily visible against matrix. 3% 4-6mm calcite filled amygdules.

247.0 Weakly magnetic. Contacts broken

QTZ VEINED & ALT'D GRANODIORITE

247.0 - 248.1 ; Fe carb & chl alt'd fault gouge
248.1 - 248.5 ; Qtz vein, w/ chl alt'd gt.
248.5 - 253.8 ; Qtz veined & fractured w/ ankerite (?) increasing w/ depth. Larger vns ⊥ to C.A. Moderate calcite along fractures. Broken core
252.8 - 253.1 ; chlorite alt'd ; broken core

253.1

COARSE GRAINED HORNBLENDE GRANODIORITE

As before. Weak to moderate propyllitic +

MINERALIZATION

Tr-1% py around altered phenocrysts & amygdules

Tr-1% v.fn gr. py

Tr gn (?), v.fn gr py

Tr-1% v.fn gr py

Tr-1% v.fn gr py

GRAPHIC LOG

chl-carb-ser

chl-sercarb-qv.

FT.

220

230

240

strong/mod

250

SAMPLE / ANALYTICAL

Sample No.	INTERCEPT	CORE LENGTH	PPB Au	PPM Ag	Pb (PPM)
8586	245.5 - 247.0	1.5'	Geochem 6	.1	5
8587	247.0 - 248.1	1.1'	Assay 2360	2.5	16
8588	248.1 - 249.1	1'	" 560	.6	6
8589	249.1 - 251.1	2'	" 1390	2.6	19
8590	251.1 - 253.1	2'	" 195	1.3	35

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 8 of 11

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE: Sample No.	SAMPLE: INTERCEPT	SAMPLE: CORE LENGTH	ppb ppm ANALYTICAL: O.P.T. Au	ANALYTICAL: O.P.T. Ag	ANALYTICAL: PL (PPM)
		5			minor fe carb at top. & Epidotized & K alteration as bands up to 10cm wide thru core.									
260	260				-258.6 - 259.3; Fault gouge (?), ground up. weakly chloritized.			260						
261.5		5												
16	265				-264.2 - 264.7; mod chl altd halo around 5mm qtz-fe carb vein at 5° to C.A.	Tr py		mod						
	266.5	1.5												
270		5	91	.45				270						
	271.5													
		5												
	276.5													
278.0														
280		4.5			Alteration slightly stronger toward base.			280						
	281				-281.2'. 3cm qtz vein.									
		2			282.0 Core broken at contact									
17	283				BROWN TO BUFF BROWN RHYOLITE PORPHYRY									
		5	85	.46	5-7% ±3mm phenocrysts in an aphanitic matrix. Grades from greyish brown weakly altd at contacts to moderately altd at centre of unit. Pervasive sericitic, silicic (?), & Fe (finegang bands & halos around phenocrysts) alteration. Wad along irregular fractures. V. hard.	Tr V.fngr py		mod/ weak						
	288													
290								290						

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 9 of 11

Box / Run / Core / %R / R.Q.D.

BOX	Run	Core	%R	R.Q.D.
295.1				
	299			
300	301	2		
18	303	2	87	.37
	308	5		
310 / 310.7	311	3		
	313	2		
19	316	3		
			95	.46
320	321	5		
325.7	326	5		
	328	2		
20 / 330		3		

LITHOLOGY, ALTERATION, STRUCTURE

-298.0 - 306.0 : ~~Larger~~ phenocrysts still present but 10% very fine grained black specks in aphanitic groundmass giving rx speckled texture.

309.3 Lower contact broken @ 80-85° to C.A.

COARSE GRAINED HORNBLENDE GRANODIORITE

As before ; weak to moderate propyllitic alt'd. Fractures commonly at 25, 40, 65° to C.A.

-313.5 : Calcite vnlt ·1-2mm wide

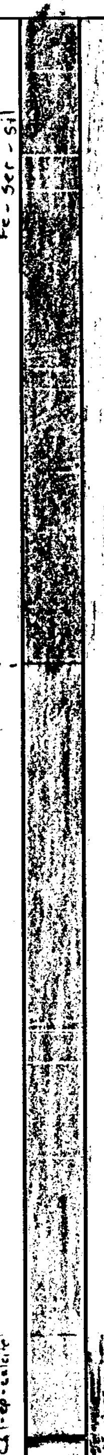
- 326.7 - 343.6 : moderate to strong propyllitic & weak argillic alt'd particularily around qtz veins

- 329.3 : Qtz-hematite + Qtz-chlorite-ankerite vnlts. Minor calcite; 85-90° to C.A.

MINERALIZATION

Tr fn gr. py (329.3)

GRAPHIC LOG



FT. 320, 325, mod/strong, 330

Sample No.	INTERCEPT	CORE LENGTH	PPB Au	PPM Ag	Pb (PPM)
8591	326-328	2'	6	.1	16 091991
8592	328-330	2'	4	.2	6

BOX	Run	Core	% R	R.Q.D.
20	331–336	5	89	.44
	336–341	5		
340 / 342.9	341–346	5		
	346–351	5		
350 / 21	351–356	5	93	.43
	356–358	2		
359.5 / 360	358–363	5		
22	363–	5		

LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION
- 331.0: 4-5mm qtz-hematite-ankerite(?) vn at 40° to C.A.	1% ≤1mm py euhedra
- 332.9-334.6: 3 cm qtz-ankerite vein at 35-40° to C.A. centred at 333.6. Strong surrounding alteration halo.	tr v.f.gr py
- 338.9: 4cm qtz vein w/ chlorite-hematite ± calcite rim; 65-80° to C.A.	tr v.f.gr py
- 340.8: 2.5cm qtz-ankerite-chlorite vein at 60° to C.A.	tr v.f.gr py
- 342.4: 2cm qtz-ankerite ± chlorite vein at 80° to C.A.	tr v.f.gr py
- 352.1 - 352.6: Alteration halo around 2mm chlorite-ankerite-qtz-calcite vn. Oriented at 30° to C.A.	tr v.f.gr py
≤1% Fractures commonly at 13, 35, 60 & 80° to C.A.	

GRAPHIC LOG: mod propylitic

FT.: 335, 340, 345, 350

Sample No.	INTERCEPT	CORE LENGTH	Au (ppb)	Ag (ppm)	Pb (ppm)
8593	330 - 333	3'	5	.3	12
8594	333 - 334	1'	460	.7	17
8595	334 - 336	2'	99	.5	10
8596	336 - 338	2'	8	.2	2
8597	338 - 339.5	1.5'	33	.4	4
8598	339.5 - 341.5	2'	29	.3	2
8599	341.5 - 343.5	2'	23	.3	29

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-51 Sheet 11 of 11

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL PPB O.P.T. Au	ANALYTICAL PPM O.P.T. Ag	ANALYTICAL PPM Pb (ppm)
370			98	.89				370						
					- 375.9 - 376.9 ; strong propylitic alt'd around qtz-hemat. & qtz-ankerite-chlorite units.	Tr py								
373.9								strong	8600	375.9-376.9	1'	62	.4	66
380			90	.89	- 378.6 - 379.3 ; clay, calcite, dk alt'd fractured surrounding area ; at 10-30° to C.A.			380						
23					weak epidote & K alt'd toward base.									
					383' E.O.H.		E.O.H.							
383														

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OMNI RESOURCES INC. (ISLAND MINING & EXPLORATIONS CO. LTD)

DIAMOND DRILL HOLE LOG

PROJECT	CHARLESTON	HOLE No.	87-S2
COORDINATE N.	0+50S	DEPTH	611'
E.	0+75E	AZIMUTH	235°
ELEVATION	~6770'	INCLINATION	-45 (DIP TEST -42°)
DATE STARTED	AUG 11, 1987	DRILLED BY	CARON
COMPLETED	AUG 15	ASSAYED BY	ACME
HOLE SURVEY		LOGGED BY	A. MONTGOMERY

Reason for Drilling: TEST MINERALIZED FLOAT & SOIL ANOMALY @ TRENCH #2

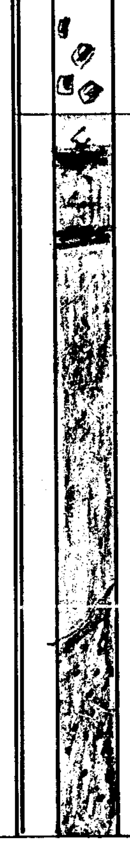
Explanation of Results: VEIN THAT PRODUCED FLOAT POSSIBLY FAULTED AT DEPTH OR CUT BY POST MINERAL DYKE

LEGEND (DARK GR. NON-ANDESITE)

GDR.	(FINE GR.)
ANDESITE	SHEARING
RHYOLITE	FRACTURING
QTZ VN	BRECCIA

1:10

BOX	Run	Core	%R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	Sample No.	INTERCEPT	CORE LENGTH	G.P.T. Au (PPB)	G.P.T. Ag (PPM)	Pb (PPM)
1			97	.40	ALT'D CRS GR. HNBLD GRANODIORITE SPECKLED, GREEN & WHITE CRS GRAINED GRANODIORITE W/ ~10-15% COURSE (1mm-1cm) HORNBLENDE, ~20-30% PLAGIOCLASE & K-SPAR, AND ~60% INTERSTICIAL QTZ. MAFICS PERVASIVELY ALT'D TO CHLORITE ± EPIDOTE; FELDSPARS ALTERED TO SERICITE ESP. AT FRACTURING. MINOR (0'-22.4' - CASING & OVERBURDEN) DULL GREEN FINE GRAINED PORPHYRITIC (SUBROUND ~PLAG PHENOS. ~1mm) ANDESITE IN SHARP CONTACT W/ GRDR. (40° TO C.A.) SHEARING COMMON TOWARDS TOP OF HOLE @ 35°-40° TO C.A. ALT'N ≅ PROPYLITIC	—	5, 10, 15, 20, 25, 30, 35						
2			94	.45	DARK GREEN FINE GRAINED ANDESITE DARK GREEN FINE GRAINED EQUIGRANULAR GROUNDMASS W/ 1% RED-BROWN TO BLACK (SOFT) PHENOCRYSTS (~1mm). GRITTY. FRACTURES	<1% FINE DISS PY TOWARD UPPER CONTACT	40, 45, 50, 55	8637	ANDESITE	3.5'	.1	.1	13
3			87	.40	LOCALLY COMMON, MINOR GYPSUM LINED VUGS.								



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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-2 Sheet 2 of 7

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL O.P.T. Au	ANALYTICAL O.P.T Ag
					WEAKLY MAGNETIC PALE GREY-GREEN PERPHYRITIC RHYOLITE (~1% PINK K-SPAR PHENOS, 1mm-2mm @ 1% FINE DARK PHENOS.), SHARP CONTACTS AT 30° & 95° TO C.A.		65					
							70					
4			99	.23	BROKEN CORE @ CONTACT ALT'D CRS. GR. HNBLD GRANODIORITE SIMILAR TO 22.4'-48', FELDSPAR ALT'N VARIES FROM INTENSE CLAY ALT'N (ROTTEN) TO FRESH; MAFICS GENERALLY CHLORITE & EP. ALT'D; MINOR CALCITE ALONG FRACTURES LOCALLY; SERICITE ALT'N LESS PREVALENT.		75					
							80					
5			89	.31			85					
							90					
							95					
					LOWER CONTACT ~35° TO C.A.		100					
					DARK GREEN ANDESITE V. FINE GRAINED W/ ~0.5% FINE GR. DISS PYRITE, AND MINOR CALCITE STRINGERS, MINOR INCLUDED CRDR;	0.5% DISS. PYRITE	105					
6			99	.75			110					
					CHLORITE ALT'N TOWARD LOWER CONTACT, LOWER CONTACT 35° TO C.A., WEAK MAGNETISM		115					
					ALT'D CRS. GR. HNBLD GRANODIORITE AS ABOVE GRANODIORITE; MAFICS ALT'D TO CHLORITE, FELDSPARS COMMONLY FRESH, OR PINK (K-SPAR ALT'N?) OR PALE GREEN (SERICITE) EPIDOTE ALONG FRACTURES, MINOR CALCITE STRINGERS; WEAKLY MAGNETIC TO NON-MAGNETIC		120					
7			100	.77			125					
					110'-121' - FRACTURING @ 30°-40° TO C.A.		130					

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OMNI RESOURCES INC. PROJECT DIAMOND DRILL HOLE No. 87-52 Sheet 3 of 4

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE Sample No.	INTERSECT	CORE LENGTH	ppb GPT. Au	ppm GPT Ag	ppm Pb (ppm)
8			100	.77	140.7' - 142.0' – MOTTLED QTZ - SERICITE - (CHLORITE) VEINLET @ ≈ 45° TO C.A.; HEMATITE PATCHES <1mm – 7mm			140	8638	140.7 - 142.0	1.3'	1	.3	14
					CALCITIC STRINGERS MORE COMMON DOWN HOLE.			145						
9			96	.69	ALSO SERICITE AND/OR CLAY ALT'N OF FELDSPARS BECOMING MORE APPARENT		WEAK	150						
					159.8 - QTZ / HEMATITE / Fe-CONT VEINLET <1cm @ 45° TO C.A., MINOR SINGLE STRING QTZ - Fe-CONT STRINGERS / MOD SERICITE ALT'N IN WALL ROCK			155						
								160	8639	159.1 - 160.1	1.0'	19	.1	3
								165						
10			95	.42	173.0 - 185.0 - SERICITE - CHLORITE ± CLAY, W/ CALCITIC STRINGERS MORE PRONOUNCED, ROCK BROD. TO STRONGLY FRACTURED. (CALCITIC FRACTURES COMMONLY < 20° TO C.A.); NON-MAGNETIC		MOD.	170						
								175						
					181.5 - QTZ / Fe-CONT(?) VEINLETS (<1cm) 50° ± 25° TO C.A.		STRONG	180						
								185						
					194.0' - 200.5 : STRONG SERICITE - CHLORITE ± CBNT ALT'N ACCOMPANYING STRONG FRACTURING ± QTZ VEINING;	MINOR (0.1%) DISSEMINATED FINE GRAINED PYRITE LOCALLY	MOD. WEAK	190						
11			100	.32	196.5 - 197.6 - QTZ - CBNT (RUSTY) VEINLET (.5cm) @ 5° TO C.A.; RUSTY STAINING ON FRACTURES & CRACKLE BRECCIATION IMMEDIATELY BELOW HOLE.			195						
					198.5 - 199.0' - WHITE VUGGY (LIMONITIC / CALCITIC) QTZ 0° TO C.A.			200	8640	196.5 - 200.5	4.0'	20	.2	19
12			96	.45	200.5 - 202.9 - DARK GREEN, SERICITIC FINE GRAINED PORPHYRITIC (WHITE FIBROUS-GREEN FELDSPAR) ~ EQUIVALENT TO GFOR; CONTACTS SHARP 30° ± 50° TO C.A.; MINOR QTZ -			205						

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OMNI RESOURCES INC. PROJECT _____ DIAMOND DRILL HOLE No. _____ Sheet 1 of 1

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL ppb O.P.T. Au	ANALYTICAL ppm O.P.T. Ag	ANALYTICAL Pb (ppm)
					CALCITE - ALBITE ? VEINLETS; N PROPYLITIC/PHYLLIC			215						
					202.4 - ALT'N MOD - STRONG INCLUDING PERVASIVE SERICITE, CHLORITE; CLAY/CALCITE ALONG FRACTURES COMMON; RUSTY Fe-OXIDE ALONG FRACTURES. QTZ CALCITE STRINGERS 20° - 50° TO C.A. MOD FRACTURED	0.1% DISSEMINATED F. GR. PYRITE		220						
13			95	.48				225	8641	222.9' - 226.9'	4.0'	47	.5	10
					222.9 - 226.4 - INTENSE BROWN Fe-CONT/SERICITE ALT'N ASSOCIATED WITH SHEARING? 50° - 80° TO C.A. (ALT'N BEGINS & ENDS ABRUPTLY)			230						
					230.7 - WHITE/BROWN QTZ/Fe-CONT? VEINLET < 1cm @ 35° TO C.A.			235						
					236.0 - GRITTY CLAY, SERICITE, CALCITE FRACTURING DOWN HOLE TELNERIDA DYKE 30°-40° TO C.A. LOWER CONTACT ~ 85° TO C.A.		MOD - STRONG	240	8642	237.2' - 242.9	5.7'	1	.1	7
14			93	.68	TAN PORPHYRITIC FLOW BANDED RHYOLITE	TRACE PYRITE?		245						
					TAN COLORED, FAINTLY FLOW BANDED (55° - 65° TO C.A.) ~ PORPHYRITIC (CLAY ALT'D FELDSPARS & ROUNDED QTZ AMYGDALE); MgO ASSOCIATED W/ PHENOS. CONTACTS SHARP LOWER CONTACT @ ~ 30° TO C.A.			250						
15			98	.45			WEAK ALT'N	255						
								260	8643	259.9 - 264.9	5.0'	3	.2	25
					ALT'D CRS GR. HNBLD GRANODIORITE	RARE RUSTY PYRITE		265	8644	264.9 - 269.9	5.0'	2	.3	14
					DARK GRN (CHLORITE ALT'D), GENERALLY SIMILAR TO GRANODIORITE UNITS UP HOLE; ALT'D MODERATE TO STRONG (CHLORITE/SERICITE/ CLAY? ALT'N OF MICA (MICA FRESH TO ALT'D)) QUARTZ & QUARTZ-CALCITE (± Fe-CONT) VEINLETS & STRINGERS COMMON; WEAK CRACKLE BRECCIATION LOCALLY; CORE BROKEN & BLOCKY			270						
16			96	.37				275						
					(ALT'N ≙ PROPYLLITIC TO PHYLLIC)		MOD - STRONG	280	8645	284.0 - 289.0	5.0'	80	.8	98
									(QTZ VEINING COMMON)					

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OMNI RESOURCES INC. PROJECT _____ DIAMOND DRILL HOLE No. _____ Sheet ____ of ____

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL PPB Au	ANALYTICAL PPM Ag	ANALYTICAL Pb (PPM)
					1cm WIDE QTZ-BIOTITE CONT VEINLET @ 45° TO C.A. @ 268.8								
17			100	.75	PORPHYRITIC ANDESITE DYKE	0.1% DISS PYR PY	290						
					(WEAKLY) ALT'D CRS GR. HNBLD GRANODIORITE								
					DARK GREEN APHANITIC ANDESITE W/ 1% FINE - MED. GR PLAGIOCLASE PHENOCRYSTS, CONTACTS SHARP @ 70° TO C.A., MAGNETIC; MOR CALCITE STRINGLES		295						
					SIMILAR IN GENERAL TO ABOVE GRDR; SIGNIFICANTLY FRESHER: CHLORITE ALTN OF HNBLD MOD; MICA FRESH; FELDSPAR FRESH TO WEAK SERICITIC AT FRACTURING; MAGNETIC		300						
18			98	.74	298.5 - 306' SUBROUND XENOLITHS OF MICRO GRANODIORITE TONALITE		305	3646	309.7 - 309	4.3'	2	.1	5
					309.6 - 317.0 — CALCITE/ ZEOLITE? VEINLET <1cm - 2cm WIDE @ ~85° TO C.A., VUGGY IN PLACES; SURROUNDING GRDR CLAY/CHLORITE ALT'D.		310						
					317.0 - SERICITE - PALE TAN CONT? ALT'N V. STRONG ENVELOPING FRACTURES & QTZ VEINLETS LOCALLY		315						
19			97	.87			320						
							325						
							330						
							335						
							340						
20			99	.71			345						
							350						
					358.0 - 359.0 - PORPHYRITIC ANDESITE: DARK GREEN V. FINE GRAINED W/ CALCITE ALT'D? PLAG PHENOS (<1/2cm) AND DARK ANDSITE? PHENOS (<1/2cm)		355						

GRAPHIC LOG: WEAK / MOD / WEAK / WEAK

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-S2 Sheet 6 of 9

BOX	Run	Core	%R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION
21			93	.85	CONTACTS SHARP @ ~80° TO C.A.; W/ 1" SERICITE - CBNT ALT'N ENVELOPE; MAGNETIC.	
					371.0-371.6 - CALCITE VEINLET (0.5cm WIDE) @ 25° TO C.A.	
					376.0 - QTZ VEINLET 4mm WIDE @ 70° TO C.A. W/ 2" SERICITE - PYRITE HALO (1% PY), ALSO ~ 0.1 % FINE GRAINED GALENA. ASSOC'D W/ PYRITE.	1% CRS PYRITE & 0.1% FINE GALENA IN QTZ STRINGER.
22			93	.65	382'-398' ALT'N VARIES FROM WEAK TO STRONG (SERICITE/SILICA/PYRITE) ADJACENT TO QTZ VEINLETS. ALSO FRACTURING & CLAYEY PALE GREEN SERICITE ALONG FRACTURES COMMON (QTZ VEINS @ 382.5' & 386.8 @ 80° & 30° TO C.A.)	
23			100	.65	DARK GREEN MICRO-GRANODIORITE FINE GRAINED, DARK GREEN W/ MINOR CALCITE STRINGERS, APPEARS TO APPROX. GRANODIORITE COMPOSITION UPPER CONTACT SHARP @ 37° TO C.A., SLIGHT BRXA OF MICRO GRDR. FRACTURES 50°-70° TO C.A. LOWER CONTACT BROKEN	1% FRS PYRITE PATCHES IN H.W.
24			94	.75	WEAKLY ALT'D CRS GR HNBLD GRANODIORITE SIMILAR IN GENERAL TO GRDR ABOVE; GENERALLY FRESH W/ WEAK CHLORITE ALT'N OF HNBLD, CALCITE STRINGERS W/ ASSOCIATED PYRITE - EPIDOTE ± SERICITE/CHLORITE; WEAKLY MAGNETIC.	MINOR PYRITE WHERE ALT'D
25			100	.88	430.5-431.5 - RUSTY FRACTURES W/ CHLORITE/CLAY ALT'N & CALCITE VEINLET @ 15° TO C.A. (LOSS)	

FT.
365
370
375
380
385
390
395
400
405
410
415
420
425
430

SAMPLE			ppb ppm ANALYTICAL		
Sample No.	INTERCEPT	CORE LENGTH	~~G.P.T.~~ Au	~~G.P.T.~~ Ag	Pb (ppm)
3647	375.5-376.5	1.0'	6	.1	17
3648	382.1-387.8	5.7'	71	.1	13

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OMNI. RESOURCES INC. PROJECT CHALLENGER DIAMOND DRILL HOLE No. 87-81 Sheet 7 of 9

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE: Sample No.	SAMPLE: INTERCEPT	SAMPLE: CORE LENGTH	ANALYTICAL: O.P.T. Au	ANALYTICAL: O.P.T Ag
								440					
								445					
26			97	.84	450.0 - SERICITE/QTZ/PY ALT'N ± CHLORITE/ ASSOCIATED W/ NARROW CALCITE ± QTZ STRINGERS ± VUGGY ZEOLITE? ENCRUSTED FRACTURES RUNNING ⊥ TO C.A.	0.1% - 0.5% FINE - MOD PYRITE ASSOC. W/ ALT'N.	MOD	450					
								455					
								460					
								465					
27			98	.65	469.0-469.0 - CALCITE/ZEOLITE? ENCRUSTED FRACTURES @ 10° TO C.A.			470					
					471.2 - QTZ/HEMATITE VEINLET (0.5cm) @ 30° TO C.A. W/ ENCLOSING SERICITE/QTZ/PY ALT'N	0.5% PY AT VEIN.		475					
					478.2 - SIMILAR RUN @ 35° TO C.A.			480					
					483.5 - GRDL. DISTINCTLY LESS ALT'D AND FRACTURED DOWN HOLE (NEARLY MAGNETIC)			485					
28			98	.84				490					
							WEAK	495					
								500					
29			99	.97				505					

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-52 Sheet 8 of 9

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.
							WEAK ALT'N / FRESH	515, 520
30			98	.80	DARK GREEN ANDESITE: N-ANITIC W/ MOR WHITE PLAG. PHENOS. & 0.1% DISS PYRITE, UPR CNTC SHARP @ 55° TO C.A., LOWER CNTC BROKEN		WEAK ALT'N / WEAK	525
					WEAKLY ALT'D CRS GR. HNBLD GRANODIORITE			
					AS ABOVE ; EPIDOTE FRACTURES			
					PORPHYRITIC MICROGRANODIORITE			530, 535
					MED - DARK GREEN V. FINE GRAINED, W/ MED GRAINED WHITE PLAGIOCLASE & DARK GRN HNBLD PHENOCRYSTS - PHENOCRYSTS INCREASE IN NUMBER & SIZE AWAY FROM UPPER CONTACT. MINOR SHARP, THIN CALCITE STRINGERS, AND MINOR PYRITE PATCHES LOCALLY; (QTZ CONTENT SEEMS TO ↑ WITH PORPHYRITIC TEXTURE) CALCITE STRINGERS & CHLORITE ALT'N AT UPPER CONTACT.			
31			98	.77			FRESH	540, 545, 550, 555
32			95	.66	563.5 - CALCITE / ZEOLITE? VEINLET (<1cm) @ ~30° TO C.A.			560
					LOWER CNTC FAINT BUT SHARP @ 40° TO C.A.			565
					FINE GRAINED GRANODIORITE			
					MED GREEN, SPECKLED, FINE GRAINED, EQUIGRANULAR, WEAK CHLORITE ALT'N, MINOR FINE GRAINED PYRITE THROUGHOUT; MINOR CALCITE STRINGERS; EPIDOTE - CALCITE ALT'N LOCALLY INTENSE			570
33			100	.57	566.0 - 568.5 - INTENSE EPIDOTE - CALCITE ALT'N; CALCITE PATCHES UP TO 3cm DIA		WEAK	575
					571.0 - QTZ-CALCITE VEINLET (0.5cm) @ 50° TO C.A.			580
					580.2 - 580.4 - QTZ xenolith (?)	Tr - 1%, ≤1mm rusty py at edges of xeno.		

SAMPLE Sample No.	INTERVAL	CORE LENGTH	PPB Au	PPM Ag	Pb (PPM)
8649	566.0 - 568.3	2.3	8	.1	13

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 91-52 Sheet 9 of 9

BOX	Run	Core	%R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE: Sample No.	SAMPLE: INTERCEPT	SAMPLE: CORE LENGTH	ANALYTICAL: O.P.T. Au	ANALYTICAL: O.P.T Ag
34			97	.84	becomes finer grained at depth.	1% ±0.5mm subhedral diss py		590					
					- 598.3 - Epidote-calcite veinlet & stockwork at @ 40° to C.A. contact slightly bx & chloritized, at 55° to C.A.			595					
35			97	.84	599.5 — COARSE GRAINED HORNBLENDE GRANODIORITE As before. Predominantly fresh. Minor kalt & epidote units.		FRESH	600					
								605					
								610					
					611.0 — E.O.H.		E.O.H.	611					

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DIAMOND DRILL HOLE LOG

PROJECT	CHARLESTON	HOLE No.	87-53
COORDINATE N.		DEPTH	
E.		AZIMUTH	295°
ELEVATION		INCLINATION	-45°
DATE STARTED	AUG. 15, 1987	DRILLED BY	CARON D.D.
COMPLETED	AUG. 17, 1987	ASSAYED BY	ACME
HOLE SURVEY		LOGGED BY	HUGH MACKINNON

Reason for Drilling: TEST GEOCHEM SLAV S. OF TRENCH #2 ON CHARLESTON S. GRID

Explanation of Results: VEIN FAULTED OFF AT DEPTH ?

LEGEND: Granodiorite; Andesite; Dacite; Fg. granodiorite

BOX	Run	Core	%R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	SAMPLE: Sample No.	SAMPLE: INTERCEPT	SAMPLE: CORE LENGTH	ANALYTICAL: O.P.T. Au	ANALYTICAL: O.P.T Ag
					0-10' : CASING							
10					10' DARK GREEN ANDESITE		10					
1	13				v. fine to fine grained plagioclase xtals in a v. fine grained matrix; non magnetic. Mostly blocky & broken w/ fractures at 10-20° & 45° to C.A. Minor calcite & epidote veins.							
	15.5	2.5			- 15.8-16.9': Calcite breccia at 10-15° to C.A. w/ ±19mm angular andesite fragments.							
		4.5										
20	20				19.5' COARSE GRAINED HORNBLENDE GRANODIORITE		20					
		2			euhedral to subhedral 25-30% ±13mm hornblende xtals, 15% 1-4mm qtz xtals ~35-40% plagioclase & ~20% K spar. Minor biotite & magnetite.							
	22											
		2			Upper portion weak to moderate K & epidote altd, either pervasive or as alteration along fractures.							
	24											
24.8	27	1			-25.0-25.5': Intense epidotization along vein L21							
		5										
30	30						30					
2		4										
	34				-33.8-35.4': moderate propyllitic altd	Tr py						
		4										
					- 37.0-38.1': Intensive epidotization, mostly disc. fine grained silica vein at 10-20° to C.A.							

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PROJECT CHARLESTON

DIAMOND DRILL HOLE No. 87-53 Sheet 2 of 7

BOX	Run	Core	%R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE: Sample No.	SAMPLE: INTERCEPT	SAMPLE: CORE LENGTH	ANALYTICAL: O.P.T. Au	ANALYTICAL: O.P.T Ag
2	38												
	39	1											
40		4						40					
42													
	43												
		5			-47.1-48.2 ; mafic xenolith (magmatic segregation ?)								
3	48												
		2											
50	50							50					
		5											
	55												
		2											
	57												
		3			-58.8 - 59.1 ; 3.5mm qtz vein								
59.2													
60	60							60					
		5			-61.0-61.2 ; Small irregular shaped xenolith	tr cpy							
4													
	65												
		5			-66.3-66.7 ; mafic xenolith (?)								
70	70							70					
		5											

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~~OMNI RESOURCES INC.~~ PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-53 Sheet 3 of 7

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL O.P.T. Au	ANALYTICAL O.P.T Ag
77.3		5			-76.4 – 77.3; Strongly epidotized grading to chloritized toward contact. Calcite-qtz veins at contact.								
					77.3 Contact broken @ 30° to C.A.								
	79.5				DARK GREEN ANDESITE As before, slightly magnetic toward base, Calcite Veined & fractured at 30° to C.A. at top of unit. Fine grained at depth.								
80					79.3 Sharp contact 20-30° to C.A.; Minor Xenoliths								
5		5			COARSE GRAINED HORNBLENDE GRANODIORITE As before								
					-83.7-84.5'; Moderate K & weak epidote alt'd around qtz vn, at 20° to C.A..		K	weak/strong					
	89.5				-85.3-88.5'; Dark grey strongly propyllitic (?) alt'd. may be a xenolith or magmatic segregation.	Tr py	Prop.	strong					
		5											
	89.5												
90					K alt'd at contact			90					
		5.5			92.2 Lower contact sharp 10° to C.A.								
	95				DARK GREEN ANDESITE. As before; becomes porphyritic at depth 93.0-94.3; sericite alt'd; silicic alt'd & brecciated								
95.5					94.3 Lower contact sharp 20° to C.A.			mod/strong					
		4			COARSE GRAINED HORNBLENDE GRANODIORITE As before								
	99				95.0-95.5'; mafic xenolith or magmatic segregation								
					97.6-97.9'; " "								
100					Few fractures.			100					
6													
					107.4 Sharp contact at 70°								
					DARK GREEN PORPHYRITIC ANDESITE 10% 4mm plag phenos in an aphanitic matrix								
					108.0 Sharp contact at 50°								
110					COARSE GRAINED HORNBLENDE GRANODIORITE As before			110					
	119												

Scale change 1" = 10'

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-53 Sheet 4 of 7

BOX	Run	Core	%R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION
	119	5				
120						
7	124	5				
		5.5			-129.0 - 125.0 ; K alt'd around 3mm epidote vn at 10° to c.a.	
	129.5					
130		5				
	134.5					
		5.5				
140	140				-142.2 ; mod. propyllitic alt'd band	
8	143	3				
		4.5				
	147.5					
150	150	2.5			-149.6 - 158.6 ; Mod. propyllitic alt'd w/ crumbly core. Weak argillic alt'd. minor q.v.	
	151	1				
9	153	2				tr py
	155	2				
	157	2				
	160	3			-159.4 - 160.0 ; Alt'd contact. Fe ox & carbonate stringers, brecciated (?), sericitized & chloritized	tr py
160					160.0	
	162	2		0	DARK GREEN ANDESITE & FN. GR. DIORITE (?) -160.0 - 163.0 ; Chloritized & carbonatized w/ calcite &/or qtz vein. Very broken core, some fault gouge ?	
163.8		4			-163.0 - 166.0 ; As above but w/ 1.5 cm qtz-chl veins. Dark brown coloration - wad ?	1% subhedral 0.5mm py
	166				-166.0 - 168.8 ; Fine grained diorite (may be an andesite), 90% ≤ 0.5 mm plag. xtals, 50% mafics < 10% qtz.	
		3				
	169					
					168.8	
170		1			COARSE GRAINED HORNBLENDE GRANODIORITE -169.6 ; Qtz-carb vn 3mm, K alt'd around vein	

GRAPHIC LOG	FT.
	120
	130
mod	140
mod/weak	150
prop	
chl-carb	160
mod	
py	
	170

SAMPLE			ANALYTICAL		
Sample No.	INTERCEPT	CORE LENGTH	ppb Au O.P.T. Au	ppm Ag O.P.T. Ag	Pb (ppm)
					Scale change 1" to 5'
8626	150' - 152'	2'	11	.5	24
8627	152' - 154'	2'	8	2.1	342
8628	154 - 156.5	2.5'	42	3.1	24
8629	160 - 161.5'	1.5'	64	.6	22
8630	161.5 - 163	1.5	5	.4	6
8631	163 - 164.5'	1.5'	1	.8	7
8632	164.5' - 166	1.5'	225	1.5	36
					091991
					Scale change 1" to 10'

OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 91-53 Sheet 5 of 7

BOX	Run	Core	%R	R.Q.D.
10	175	5		
	179	4		
180	180	1		
11	185	5		
	189	5		
190	190			
	195	3		
196.9	197	4		
	200	3		
200				
12	205	5		
	210	5		
210				
212	215	5		
13	220	5		
220				
	225	5		
	227	2		
229.2	230	3		
230				
	235	5		
14	240	5		
240		5		

LITHOLOGY, ALTERATION, STRUCTURE

As before, minor kalt'd at top. Very few fractures; minor hematite along fractures

- 185.3 ; Crumbly core along fracture at 70° to C.A.
- 188.6 - 190.3 ; mod to strong propyllitic & weak argill. alt'd around 3.5 cm qtz - hematite - ankerite(?) - chlorite vein at 30° to C.A.
- 198.3 - 198.6 ; Sericite - clay altered gouge(?) seam at 55° to C.A.
- 206.0 - 207.3 ; Fe-chl altd around a sericitic fracture at 15° to C.A. & a 1mm qtz-chl vnlt.
- 208.4 - 208.6 ; Qtz - calcite vn at 55° to C.A.
- 214.0 ; 3mm calcite - sericite vn at 50° to C.A.
- 218.8 - 219.0 ; 5mm qtz - calcite vn at 70° to C.A.
- 220.0 - 220.1 ; 1.5cm qtz - albite(?) vn ⊥ to C.A.
- 220.5 - 223.4 ; Calcite - sericite, chlorite & qtz - chlorite veins & fracture fillings up to 2cm wide. Variable orientation. Weak to moderate propyllitic alt'd.

225.8

MIXED DARK GREEN ANDESITE & FN. GR. DIORITE

Very fine grained to aphanitic & weakly porphyritic andesite & diorite w/ 1-5mm plag xtals in a fn gr matrix.

- 231.3 - 231.6 ; Calcite veined & Fe spotted fn gr. diorite
- 233.3 - 235.2 ; Fe spotted & chl bleached diorite w/ vuggy calcite vn at 234.8
- 239.0 - 239.8 ; Lower contact calcite veined, bleached & weakly brecciated andesite; sharp but broken at 55° to C.A.

239.8

COARSE GRAINED HORNBLENDE GRANODIORITE

- 242.0 - 243.3 ; Propyllitic alt'd gd around qtz - calcite - hematite vein

MINERALIZATION

tr py

1% 0.5-1mm py

tr py

tr - 1% 0.5 - 1mm py

tr py

GRAPHIC LOG

FT.

180

mod/strong

190

55°

200

210

220

weak/mod

230

weak

weak

240

mod/strong

SAMPLE			PPB PPM ANALYTICAL		
Sample No.	INTERCEPT	CORE LENGTH	G.P.T. Au	G.P.T. Ag	PL (PPM)
8633	188.5 - 190.5	2'	3	.1	5
8634	218 - 220	2'	4	.1	7
8635	220 - 224	4'	5	.2	5
8636	224 - 225.8	1.8'	6	.6	4
8650	242 - 243	1'	2	.1	7

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OMNI RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. B7-53 Sheet 6 of 7

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	FT.	SAMPLE Sample No.	SAMPLE INTERCEPT	SAMPLE CORE LENGTH	ANALYTICAL O.P.T. Au	ANALYTICAL O.P.T Ag
		5'			Granodiorite as before; occasional epidote veins ± epidotization and K alteration around vnlt. Minor weak to moderate propyllitic alteration							
250							250					
15'		5'			Minor calcite ± chlorite veinlets. Few fractures & excellent recy							
		5'										
260							260					
263.8		5'										
		5'										
270							270					
16		5'										
		5'			-278.0 - 281.0 ; Chlorite stringers, of variable attitude, & weak to moderate propyllitic alt'd.							
280												
282.0		5										
					-287.3-287.5 ; Med grained mafic gd xenolith							
	289	4										
290	291	2					290					
					- 293.5 - 295.7 ; Mafic gd xenolith (?) or prop. altd gd							
17	296	5'			- 298.2 ; Calcite epidote vn w/ K alteration halo							
					297.0 Sharp contact at 70° to C.A.							
					MIXED DARK GREEN PORPHYRITIC ANDESITE & DARK GREY DACITE PORPHYRY.							
300	301	5'			At upper & lower contact porphyritic andesite grades into dacite porphyry. Andesite has 5-7% euhedral to subhedral 0.5-3mm plagioclase laths in an aphanitic to fn. gr matrix, Dacite is hard w/ 22% 1-6mm euhedral (weakly sericitized) plag. phenocrysts, 5% mafic (chlorite, biotite & magnetite) phenos in an aphanitic matrix. Both weakly magnetic. Amygdaloidal & vesicular at lower contact.	1% subhedral to euhedral diss. py.	300					
	306	5				tr py						
		4										
310	311.5	1.5			309.2 Sharp at 75° to C.A.		310					
					COARSE GRAINED HORNBLENDE GRANODIORITE							
	316	4.5			Granodiorite predominantly fresh.							
					- 309.5 ; prop. altd around 2mm vn.							
319.5		4										

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OMNI—RESOURCES INC. PROJECT CHARLESTON DIAMOND DRILL HOLE No. 87-53 Sheet 7 of 7

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE: Sample No.	SAMPLE: INTERCEPT	SAMPLE: CORE LENGTH	ANALYTICAL: O.P.T. Au	ANALYTICAL: O.P.T Ag
	325'	5'			Occasinal xenolith								
330					330.0 E.O.H.		E.O.H.						

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[redacted] GICAL CONSULTANTS INC. **DIAMOND DRILL LOG** HOLE No. 17-WB 1 Page 1 of 4

Property ISLAND MNG - JL CLAIMS.	NTS 105 D/2	Claim JL	Elevation 3700'	Azimuth 218°	Length 311' (94.8M)	Dip -50°
Coordinates 2+25N / 3+10E	Dip Tests —	Advance 199.9'	Depth 238.2'	Date Collared July 7, 1987	Date Completed July 9/87	
Purposes Test Wheelbarrow Zone under old workings; visible gold in quartz on dump	Drilled by CARON D.D.	Assays by ACME LABS	Logged by T.ME			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	RQD + % Recovery by A.M.F. Ag (oz/t)	Au (oz/t)
0	34' (10.36m)			CASING — pebbles and small pieces of core recovered.						
				Mainly SILICIFIED GREEN ANDESITE TUFF.						
0	51	25	0	occasional 2-3mm. carb (some calcite) veins; up to						
51	55	0	0	5-10% lapilli (1 cm. frags.)						
55	66	45	0	at 15' = Several fragments of rusty RHYOLITE						
34	66' (20.12M)			OVERBURDEN — pebbles and gravelly soil of mixed Andesitic Tuff and Rhyolite.						
				51-55' = no recovery → washed hole						
66'	75.5' (23.01)	70	.20	FELSIC TUFF — rusty gray; 1-2mm. sand-sized frags; occasionally lapilli to 1 cm. across						
				71.5 - 73.2 = fault gouge; only minor fine dissem. py.						
				From 73.2' — tuff becomes very fgr. and soft; medium brown colour.						
				Lower contact is fault gouge for 0.15'; gouge is 65° to core axis						
75.5	77.0' (23.47)			LIGHT GRAY, QUARTZ-VEINED F.GR. RHYOLITE — many hairline to 2 mm. Q. vns w/ local	8411	75.5	77'	1.5'	Assay Au, Ag 0.01	0.001
75.5	85.5	70	.15	dissem. pyrite (some cubic); also tension gashes filled						
85.5	97.0	75	.10	w. quartz Broken lower contact.						
77.0'	98.0'			RUSTY GRAY TO DARK GRAY FELDSPAR PORPHYRY						
				— 10-15% 1-4 mm white feldspar phenos in						
97	104	70	.40	an aphanitic groundmass						
				— very hard ? silicified ?						
				— some hairline — 1mm. Q veins						
				85½ - 89½' = bleached selvages along occas. Q	8412	85.5 (25.98)	90.5' (27.5)	5'	0.01	0.001
				— Py veins						
				90.5' = 0.1' of fault gouge at 80° to c.a.						
				92-98' = strongly fractured zone; some brecciation					091901	

DIAMOND DRILL LOG

HOLE No. 87-WB #1 Page 2 of 4

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
98.0'	116'			MASSIVE, GRAY MEDIUM GR. GRANODIORITE - upper contact broken - 5% chloritized shreddy mafics - grain size 1-2 mm 104.6 - 104' = BUFF APHANITIC RHYOLITE - broken contacts w. granodiorite; 0.3' of fault gouge near lower contact.				
104	120	90	0.65	104.3' = Q-Chl vn. at 45° to c.a; approx 2mm 114-115' - becomes bleached near lwr. contact.				
116'	138'			LIGHT BROWN RHYOLITE PORPHYRY - 20-25% 1-2mm. white feldspar phenos in an aphanitic matrix - 116'-117.5' = several 2-4 mm Q vn. w. minor pyrite near upper contact (? attitude of contact?)				
120	145.25	70	0.22	- 126-130' = brecciation w. minor rotation of frags. - rhyo. is locally F.gr. (up to 1mm grains) equigranular; i.e. texture is variable - 135.7' = creme carb. vn at 75° to c.a. (1-2mm across) - 137' = Q-Py vn. at 45° to c.a. (2-3 mm wide)				
138'	140' (141.16')			M. GR. GRANODIORITE - locally silicified - broken contacts; possibly an inclusion				
140'	145.5' (143.1)			LIGHT BROWN RHYOLITE PORPHYRY - as from 116-138'				
145.25	160.5	95	0.55	- 143' = 2 cm. fault gouge at 20° to c.a.				
145.5	154.5' (147.9)			M. GR. GRANODIORITE - 12 one to five mm Q-Carb ± Chl ± py	8413	145.5	150.5	5'
160.5	166	85	0.31	vns 30-60° to c.a. Visible galena near	8414	150.5	155.5	5'
166	171	95	0.55	lower contact at 45° to c. axis.				
154.5'	186.5'			LIGHT BROWN RHYOLITE PORPHYRY - 155.8' = 2mm-4mm. Q vn w. Py-galena	8415	155.5	160.5'	5'

Ag (oz/t)	Au (oz/t)
0.01	0.001
0.01	0.001
0.05	0.005

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DIAMOND DRILL LOG

HOLE No. 87-WB#1 Page 3 of 4

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Ag (oz/t)	Au (oz/t)
				160.5 - 165.5' = Five 1-3 mm. Q vns mainly at 30° to c.a. Minor galena in 1 vein.	8416	160.5	165.5	5'	0.05	0.001
171	191	65	0.27	164' - 166' = Strong fracturing w. some fault gouge						
				165.5 - 170.5' = Four 1-4mm. Q vn. w. some pyrite; one vein has minor galena	8417	165.5	170.5	5'	0.02	0.001
				170.5' on = occas. Q ± Py vnlts.						
				183.5 - 184.5' = Brecciation & fault gouge; 4mm. calc. vn in shear at 70° to c.axis						
				185.3' = dissem. py. in rhyo.						
186.5'	199' (60.5)			MEDIUM GRAINED GRANODIORITE - same as previously logged.						
194	215	85	0.36	- bleached to 194'						
				- 2 Q-py vns (1-3 mm) at upper contact.						
199'	238' (39.5')			GRAY RHYOLITE PORPHYRY - 10-15% 4mm. feldspar laths (subhedral to euhedral). Feldspars are mainly fresh						
				201' - feldspar phenos become smaller → 1mm.						
215	229	97	0.32	(25-30% by vol.); aphanitic gdmass						
				- commonly tiny Q-Py vnlts.						
				- 212.5' = bleached (1cm) fractures.						
				- 213' = "large" phenos again						
				- 216' - 217' = fault gouge at 35° to c.a.						
				- 221.5 - 226.5' = abundant Q-Py vns at 20-60° to core axis; overall 1% dissem. pyrite.	8418	221.5 (67.5')	226.5	5'	0.02	0.001
			*	- 229.5' - DRILLERS REDUCED TO NQ core.	8419	226.5	229.7' (70.0')	3.2'	0.02	0.001
229	247	70	0.34	- 228.5' - 229.7' = 1 inclusion of green ANDESITE						
				After the inclusion, rhyo is strongly shattered and locally brecciated w. abund. tiny (hairline to 1mm) Q and Py vnlts	8420	229.7'	234.7' (71.5')	5'	0.01	0.001
					8421	234.7'	238' (71.5')	3.3'	0.01	0.001
238'	243' (71.5')			BANDED ANDESITIC TUFF ctg. numberous calc.	8422	238	243	5'	0.01	0.001
				- Q vns parallel to foliation (45° to c.a.)						
				- fwc. contact at 60° to c.a; upper cont. 50° to c.a.						
243'	247'			[illegible]	8423	243	247'	4'	0.01	0.002

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DIAMOND DRILL LOG

HOLE No. 87-WB 1. Page 4 of 4

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Ag (oz/t)	Au (oz/t)
				sheared at 60° to c.a.	8424	247'	252' (76.80)	5'	0.02	0.002
247	255.7' (77.93)			GREEN MASSIVE ANDESITE -251.6' = 2cm. white to creme Q - Carb. vn at 45° to c.a.	8425	252'	257' (78.38)	5'	0.01	0.001
247	274	87	0.60	- abundant hairline to 1 mm calcite veins throughout.						
255.7'	260.6' (79.43)			COARSE GRAINED AUGITE ANDESITE w. a "blotchy" texture. - UNIT 3e→"blotchy" texture caused by 40-50% 2-5mm glomeritic? feldspars? - irregular upper contact.	8426	257' (78.33)	262' (79.85)	5'	0.01	0.001
260.6'	275.9' (84.09)			FOLIATED GREEN ANDESITE - foliation 45° to c.a.	8427	262	267' (81.38)	5'	0.02	0.001
274	288	75	0.16	- abundant calcite veins parallel to foliation, perpendicular to fol'n and running down core axis.	8428	267'	272' (82.90)	5'	0.02	0.001
					8429	272'	275.9' (84.09)	3.9'	0.03	0.001
275.9'	288' (87.78)			STRONGLY FRACTURED, PINKISH BROWN RHYOLITE PORPHYRY. - occasional hairline - 1mm Q ± Py veins. - broken contacts - ? attitude.						
288'	295.9 (90.18)			GREEN ANDESITE - locally rusty - fol'n local ∠ 35° to c.a.						
288	296	90	0.75	- abundant calcite stringers and gash veins from 292-295.9'; Assay if other similar And. "Kicks!"						
295.9	302.7' (92.20)			RUSTY ALTERED RHYOLITE - f.gr. texture						
296	301	65	0.09	- lower contact 60° to c.a.						
302.7	311' (94.79)			CALCITE - VEINED GREEN ANDESITE - tuffaceous; foliation 45° to c.axis.						
301	311	85	0.56							

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MIDNIGHT GULCH   NTS: 105D/6   ELEVATION

COORDINATES: 31+05E / 14+95N   DIP TEST: -51 at E.O.H.   PURPOSE: TEST VG BEARING RXS AT WHEEL/GARRON ZONE

DIAMOND DRILL LOG

HOLE No. 87-WB2   Az 206 Dip -55   Page 1 of 10   Logged by HUGH MACKINNON

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	Ag (oz/ton)
0	16'			Casing						
16'	72'			OVERBURDEN						
				Broken core of predominantly intermediate lapilli tuffs w/ < 5% tuff breccia. Limonitization along fractures. 66-71' Core lost						
72'	80'6"			INTERMEDIATE (ANDESITIC) LAPILLI TUFF						
0	81	25	0.05	Dark brownish green, 7% fragments commonly < 6mm. Weak to mod. chloritization + limonitization. Lower contact broken						
				Switch to NQ						
80'6"	111'			MEDIUM GRAINED QUARTZ MONZONITE						
81	93	90	0.30	Brownish green to greenish grey, 30% mafics - chlorite, 7% 1-2mm Kspar phenocrysts, remaining xtals ave 1mm. Variable amounts of limonitic alteration, either as pervasive ve to 15%, or fracture filling. 1% fractures, commonly 5-10°, 40-45° and 80° to C.A. < 1% q.v., trace py. Minor carb and/or argillic alteration along fractures						
				- 91' - 91'10", 101-101'5", 107'5"-108' ≤ 1cm qtz veins with albite(?) and calcite rims. [illegible] ≤ 2mm subhedral to euhedral py in & adjacent to veins.	8451	90'10"	91'10"	1'	.002	.02
93	118.5	90	0.20	- 109' - 109'6" Strong argillic ± carb alteration &/or accumulation along fractures						
				Lower contact broken						

DIAMOND DRILL LOG

HOLE No. 87-WB2 Page 2 of 10

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
111'	116'			RHYOLITE - FELDSPAR PORPHYRY Light pinkish brown, porphyritic with 5% 1mm plag phenocrysts in an aphanitic matrix, moderately silicified; 2-5% fractures w/ 1mm white halo around & limonite & carb infilling fractures; variable fracture orientation. Trace py; mostly broken core, contact broken				
116'	125'			MEDIUM GRAINED QUARTZ MONZONITE As 80'6" - 111' but 60% of core is limonitically bleached & more strongly limonitized fractures. Lower contact limonitically altered & fine grained irregular 55-62° to C.A. 112'-112'6" Qtz vein tension gash infilling with 20% chlorite trace py.				
125'	126'			RHYOLITE - FELDSPAR PORHYRY Brownish grey, with 1-2mm plag phenocrysts in an aphanitic matrix. 5-10% pervasive or fracture filling limonitization. 1% disseminated py				
126'	131'3"			MEDIUM GRAINED QUARTZ MONZONITE As 80'6" to 111'. Contact with unit above & below broken. -127'-127'3" 2-3 mm quartz-chlorite vein 25-30° to C.A. w/ 5% subhedral py.				

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DIAMOND DRILL LOG

HOLE No. 87-WB2 Page 3 of 10

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/t)	Ag (oz/t)
131'3"	140'			RHYOLITE PORHYRY	8452	136'7"	137'7"	1'	.001	.01
				Pinkish brown to light brown, 1mm subedral plag phenocrysts in an aphanitic matrix. 1% py along fractures & trace diss py. Weak silicification & limonitization. Minor <1mm qtz. w/ 1% subedral py. Lower contact broken.						
140'	151'2"			MEDIUM GRAINED QUARTZ MONZONITE						
				Greenish grey, with 35% 1-3mm feldspar phenocrysts in a matrix of 1mm ave. feldspar + qtz + chlorite. 2% 6 to 10 mm chlorite patches. 2-10% limonite bleaching increasing toward both contacts: Strong carb along fractures. Trace py, ≤ 1% 5mm qtz ± chlorite ± calcite veins. Lower contact broken.						
151'2"	173'			QUARTZ VEINED RHYOLITE PORPHYRY	8453	151'2"	154'	2'10"	.001	.03
					8454	154'	156'6"	2'6"	.001	.04
				Light greenish brown to pinkish brown,	8455	156'6"	158'	1'6"	.004	.05
151	165	100	0.22	but variable w/ 10% 1mm ave. plagioclase	8456	158'	163'	5'	.001	.01
				phenocrysts. 1-2% qtz veins up to 2mm	8457	163'	168'	5'	.004	.03
				wide, with a band of silicification	8458	168'	169'	1'	.011	.04
				& pyritization (up to 5%) surrounding vein.	8459	169'	173'	4'	.004	.04
				Weak chloritization in places &						
				pervasive weak to moderate or fracture						
				filling limonitization. Minor 1% magnetite						
165	179	82	0.75	(?) in chloritic areas.						
				- 157.5' + 168 - 169 3% galena (molybdenite?)						
				1% sphalerite, 5% pyrite qtz vein & fracture. Variable						
				orientation 15-20° to C.A.						
				Lower contact irregular, mostly broken						
				core.						

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DIAMOND DRILL LOG

HOLE No. 87-WB2 Page 4 of 10

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/t)	Ag (oz/t)
173'	176'6"			MEDIUM GRAINED QUARTZ MONZONITE						
				Greenish grey, bleached (by limonite) pinkish brown toward contacts. Moderate to strong chloritization with 2% 3mm chlorite patches. 3% disseminated biotite (magnetite?). Lower contact 42-47° to C.A.						
176'6"	185'			MIXED QUARTZ MONZONITE + ALT'D RHYOLITE						
179	200	95	020	Pinkish brown qtz monzonite & light greenish to pinkish brown rhyolite. Moderate Fe carb, limonitic and/or sericitic alteration, Rhyolite moderately silicified. 2% py in fractures & ≤2mm q.v. toward lower contact, weak carb in fractures	8460	182'6"	185'	2'6"	.001	.01
185'	199'			RHYOLITE PORPHYRY						
				Light pinkish brown turning to light greenish brown toward lower contact or buff light brown where strongly alt'd. 5% ≤1mm equiv. plag phenocrysts in an aphanitic matrix. 1% diss py, up to 2% py along fractures &/or q.v. Qtz veinlets comprise 5% of unit are commonly 0.5 to 2mm wide & 25° to C.A. Fractures & q.v. up to 10% ankerite(?) or limonite surrounded by a silicification halo.	8461	191	196	5'	.001	.03
					8462	196	199	3'	.001	.03
199'	207'4"			ALT'D MEDIUM GRAINED QUARTZ MONZONITE						
				Dark green where strongly chloritized & pink to greenish brown where bleached (by Fe carb or limonite). 2% fractures or qtz veinlets, 1% diss py. Lower	8463	207'4"	207'4"	5'	.001	.01
200	213	92	0.58							

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/T)	Ag (oz/T)
"				contact irregular 15°-70° to C.A.						
207'4"	242'			QUARTZ VEINED & ALTERED RHYOLITE PORPHYRY						
				Grades from dark pinkish brown to pinkish brown then brownish white toward lower contact. 5-10% plag phenocrysts varying from <0.5mm to 4mm in an aphanitic matrix. 1-20% qtz veins & veinlets from 1mm to 25mm. Poor (1%) to very well (15%) fractured zones. Fe-carbonate (ankerite), calcite & chlorite accessory (up to 30%) minerals in veins & fractures. 1-2% diss py, tr to 5% subhedral to euhedral <1-2mm py & trace gn in veins & fractures. Several sericitic alt'd, fault gouged & argillic alt'd gouge zones						
213	242	92	0.58							
				-207'4" to 213': Chloritized & limonitically bleached coarse (≤4mm) porphyry. Few veins, up to 3mm, 25-30° to C.A., weak to mod carb alt. along fractures. 1-2% py.	8464	207'4"	210'	2'8"	.001	.02
					8465	210	213	3'	.001	.02
				-213'-219': Broken core						
				-213-219': Pink to pinkish brown, QFP (?) w/ 3-7%, 1-5mm qtz. vn. of several generations. Sericitized toward base.	8466	213	216	3'	.001	.04
					8467	216	219	3'	.001	.01
				-219-221'6": Pinkish dark brown, silicified(?) & fractured qtz-ankerite-chlorite ± limonite veins w/ to 5mm. 5% py in veins, trace gn.	8468	219	221'6"	2'6"	.007	.01
				-221'6"-223': ≤25 mm qtz vein w/ 15% chlorite, 3-7% ankerite, 10% albite(?) 1-3% ≤4mm euhedral py, & trace gn	8469	221'6"	223'	1'6"	.335	.11
				-223'-229': Pale reddish brown, well fractured, w/ small fractures 60-70° to C.A., & larger fractures & veins 10-40° to C.A. 2 or more generations of veins 5mm offset	8470	223'	226'	3'	.006	.03
					8471	226'	229'	3'	.001	.02

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	Ag (oz/ton)
				of several grey veins by white qtz carb vns. 2% vns = 1cm, similar composition to above. 224' ± sericitically alt'd band						
				-229' - 235'8" : Grades from 6" sericitic schist (shear) at 70-80° to C.A. to pyritic (5%) fractured, silicified & Fe altered 3' band into a pinkish brown silicified porphyry w/ 1% py.	8472	229	230	1'	.001	.02
					8473	230	231'6"	1'6"	.001	.01
					8474	231'6"	235'8"	4'2"	.003	.01
				-235'8" - 239' : Light brown, well silicified, ≤ 1% py., few fresh plag pheno.	8475	235'8"	239'	3'4"	.001	.05
				-239' - 242' : Weak carb + strong argillic altered particularly along fractures. Lower contact irregular @ 40° to C.A., partially chloritized	8476	239'	242'	3'	.001	.01
242'	248'6"			INTERMEDIATE (ANDESITIC) TUFF(?)	8477	242	24.6	4'	.001	.03
242	268	79	0.00	Dark green, v. fine grained, 2-4%, 1-3mm fractures filled with calcite ± qtz, moderately pervasive chloritization w/ chlorite ± limonite or ankerite(?) in veins or fractures.	tension					
248'6"	268'			INTERMEDIATE(ANDESITIC) VOLCANICS						
				Dark green to green, aphanitic to fine grained (dioritic?) ground mass w/ 20-30% ≤ 2mm augite phenocrysts. Moderately chloritized w/ 4% grading to 2% qtz or qtz ± carbonate veins & fracture/tension gash fillings. Slightly foliated at 30°-40° to C.A. at depth, w/ veins X cutting foliation.	8478	248'6"	252'	3'6"	.001	.01
				-248'6" : 4" qtz (± chlorite) bx.						
				-253'8' : Strong carbonatization surrounding 1cm qtz ± carb vein						
				-254' - 260' : "Blotchy" texture light						

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/T)	Ag (oz/T)
				green feldspars (?) surrounded by augite (?) + chlorite xtals; may be partially mineralized?						
				- 262'6" - 263'6" : Limonitically bleached surrounding ≈ 1cm q.v. at 35° to C.A.	8479	262	265	3'	.001	.01
				- 265' : Well foliated & chloritized adjacent to 1cm q.v. at 20° to C.A.						
268'	271'			RHYOLITE PORPHYRY						
268	284	57	0.11	Dark purplish brown; 30% .5 - 2mm feldspar xtals commonly altered in centre to sericite. Sericite + limonite along fractures. ≤ 1% py. Blocky & broken, poor recovery.						
271'	280'6"	18	1.03	ALT'D & QUARTZ VEINED ANDESITE						
				Dark green for 60% of cx remainder is limonitically bleached. Quartz-calcite veins up to 2.5cm wide w/ largest 11 to 20° to C.A. Very broken, only @ 18% recovery. Strongly carbonatized.	8480	271'	280'6"	9'6"	.001 (Only 18% rec'y)	.01
280'6"	285'			RHYOLITE PORPHYRY						
				As above; lower contact sharp @ 60° to C.A.						
285'	285'8"			ALT'D ANDESITE						
284	314	98	0.44	As above; lower contact sharp 80° to C.A.						

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/T)	Ag (oz/T)
285'8"	313'			FINE GRAINED GRANODIORITE (FELSITE)						
				-285'8" - 300'6" : Buff to pale yellowish green, more reddish for 40% where bleached by limonite, or greenish for 30% where chloritized. 35-30% ≤.5mm matic minerals in chloritic zones @ 10% in silicified & sericitized parts. Few fresh feldspars 1% ≤5mm fractures w/ calcite infilling. Trace py.						
				-300'6" - 310 : V. fine grained, pale-green w/ occasional porphyritic phase. 6" m. gr. hornblende granodiorite at 301'6". Vuggy, zoned - qtz - ankerite(?) - calcite fracture filling, occasional chloritic fracture. Fracture orientation comments 10-30° to C.A. Trace diss py & mag, not 2% py in fractures.	8481	305	310	5'	.001	.03
				-310 - 313' : Greenish white to greenish grey, more chloritized w/ depth; fine grained. Contact sharp 55-60° to C.A.						
313'	327'8"			ANDESITIC FLOW(?)						
				Dark green to green, moderately foliated at 70-80° to C.A. & moderately chloritized.						
314	326	90	OAM	Occasional (5%) bleaching, carbonatization (pervasive & fracture filling), and qtz veined.						
				- 317-320 : Limonitically bleached, rubble core w/ poor rec'y						
				- 325'6" - 327'8" : Strongly foliated grading into a vuggy calcite vein then qtz veined unit. Qtz veins up to 25cm wide, white to dark grey. Becomes silicified at base. Foliation adjacent to q.v. 50° to C.A. Bx at 326' & lower contact. Lower contact sharp 70° to C.A.	8482	325'6"	327'8"	2' 2"	.001	.01

DIAMOND DRILL LOG

HOLE No. 87-W82 Page 9 of 10

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/T)	Ag (oz/T)
327'9"	348'6"			RHYOLITE (RHYOLITE)						
				light brown, v. fn. grained, 5-15%						
326	348	97	0.14	1mm qtz and/or feldspar phenos. Weak sericitization, chloritization & limonitic bleaching. 1%						
				≤ 2mm qtz ± py vns. Lower contact sharp						
				70-75° to C.A.						
348'6"	359'			INTERMEDIATE (ANDESITIC) VOLCANIC						
348	359	95	0.24	Green to dark green, "blotchy" texture,						
				≤ 15% hairline to 5mm carbonate vns &						
				fracture filling w/ occasional q. v.						
				- 348'6" - 350' : Moderately foliated @ 60° to						
				C.A.						
				Lower contact sharp @ 60° to C.A.						
359'	369'			FINE-GRAINED GRANODIORITE (FELSITE) & QUARTZ PORPHYRY						
				Greenish brown to buff brown; v. fn grained,						
359	376	98	0.18	grades from chloritic altered to limonitically						
				bleached felsite porphyry. 3% 1-2mm phenocrysts						
				in an aphanitic to v. fn grained matrix						
				< 1% qtz or py vns & fracture fillings,						
				limonitized along fractures.						
				- 362'6" & 368'10" : 8mm bx bands at						
				65-85° to C.A.						
				Lower contact sharp but irregular 30° to 65°						
				to C.A.						
369'	375'6"			RHYOLITE (PORPHYRY)						
				Dark purplish grey to greenish brown w/ 10-15%						
				1-2mm feldspar phenocrysts in an aphanitic						
				matrix						
				- 371' - 373' : moderately sericitized,	8483	371'	373'	2'	.001	.01
				with 5% <3mm qtz vnlts						

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DIAMOND DRILL LOG

HOLE No. 87-WB2 Page 10 of 10

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/T)	Ag (oz/T)
				Core very broken.						
378'6"	385'6"			SHEARED INTERMEDIATE (ANDESITIC) VOLCANICS						
				Dark green, sheared & contorted w/ moderate foliations at 30° - 45° to C.A., 2% carbonate + qtz veins & fracture fillings. 2cm q.v. at 377'.	8484	376	378	2'	.001	.02
376	390	85	0.55	- 381' - 382' : Buff greenish grey rhyolite (may be silicified andesite?), well fractured w/ chlorite &/or limonite along fractures.						
385'6"	393'			FINE GRAINED GRANODIORITE (FELSITE)						
390	406	94	0.15	Light greenish brown to buff brown, v.fine grained subporphyritic to porphyritic - 3% .5 to 2mm chlorite laths or sericitized feldspars. - 389' - 389'6" : Purplish brown porphyritic rhyolite band.						
393'	406'			ALT'D AUGITE ANDESITE						
				Dark green, blotchy & contorted flow banded porphyritic texture; few fresh augite xtals moderate chloritization, 1% qtz &/or carb veins 60 - 80° to C.A., Lim &/or hem along fractures, minor epidotization, - 403'6" - 404'6" : Strong carb alt'd, broken core - fault gouge?						
406'				E.O.H.						

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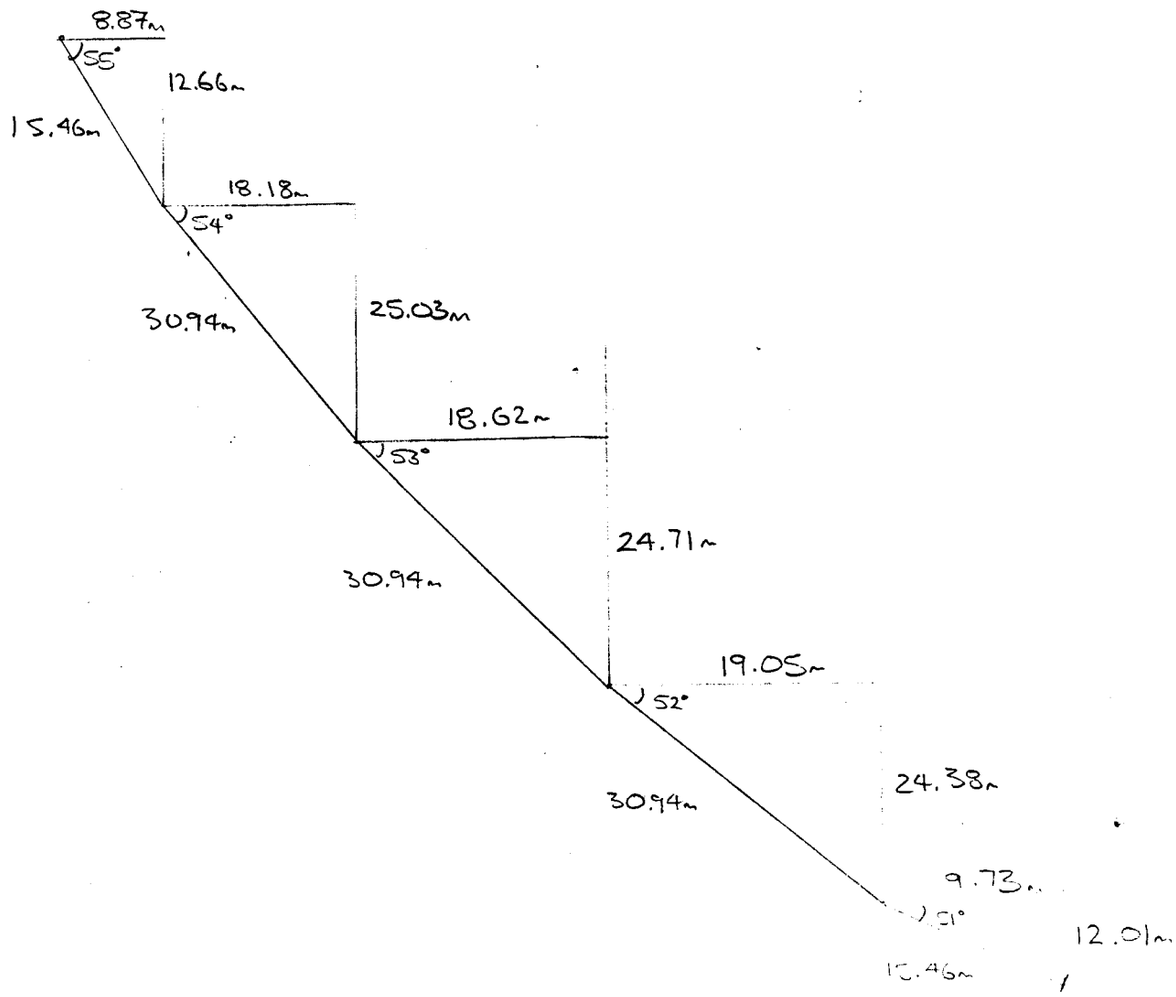
LENGTH 100'

DIP @ COLLAR -55

DIP @ EOH -51

ALONG: 74.4[illegible] (241.2')

DEPTH: 98.79m (324.1')



DIAMOND DRILL LOG

HOLE No. 87-WB3 | Page 1 of ___

Property ISLAND MINING – JL CLAIMS	NTS 105 D/2	Claim JL	Elevation 3760	Azimuth 155°	Length 471'	Dip –65°	
Coordinates 3+05E / 1+95N	Dip Tests –60 (bad test)	Advance 217.41	Depth 417.7'	Date Collared JULY 13, 1987	Date Completed JULY 16/87		
Purposes TO CUT ACROSS VEINS NEAR WHEELBARROW ADIT.	Drilled by CARON D.D.	Assays by ACME LABS.	Logged by TME				

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	RQD + % Recovery by A.R.T / Au (oz/ton)	Ag (oz/ton)
0	21'			OVERBURDEN						
21'	24' (1.32)			FAULT GOUGE? or GOLDEN-BROWN SOIL?						
24'	53' (16.15m)			FINE GRAINED (½mm) RUSTY GRAY RHYOLITE PORPHYRY					Au (oz/ton)	Ag (oz/ton)
				– leucocratic; 2% 2mm Q. eyes						
				– strongly broken ground.						
				– 36.5' = 2mm. Q vn. wk. minor pyrite	8430	36	41'	5'	0.001	0.01
0	53	32	0	– 36-41' = Many tiny Q vn. wk. minor pyrite		10.97		12.50		
53	66	71	0.45	– 43-53' = Very poor recovery						
				– 48-53' = Fault gouge						
				– At 53' – good core to 58'						
53'	79 (24.08m)			FELSIC TO INTERMEDIATE TUFF?	8431	53	58	5	.001	.01
				– moderate green where fresher surfaces		16.15	17.68			
				– strong brown carbonate alteration						
				– abundant Q–carb vns up to 6 mm. access vns. 20–70° to c.axis.						
66	88	85	0.30	– 61-66' = Shear foliation ca. 30° to c.a	8432	61'	68'	5'	.001	.01
				= intense Q–carb (calcite) veining; 62.5-64.5' =		18.59	20.12			
				10% veins by volume.	8433	66	71'	5'	.001	.01
				– 66-76' = Mainly fault gouge.			21.64			
					8434	71'	76'	5'	.001	.01
							(23.16)			
79'	84' (5.50m)			BROWN, MASSIVE DACITE DYKE or SILL						
				– soft; ? angle of contacts						
				– excellent core recovery						
84'	114.5' (34.90m)			FELSIC TO INTERMEDIATE TUFF & LAPILLI TUFF and ANDESITIC FLOWS?						
				– veined (Q–Carb) w. strong brown carb. alteration						
88	118.5	86	0.38	– fault from 84-86'						
				– 1% calcite veins from hairline to 3mm.						
				– moderate silicification						
				– foliation 30° to c.a.						

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DIAMOND DRILL LOG

HOLE No. 87-WB 3 Page 2 of —

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	Ag (oz/ton)
				100' and 103' = Quartz lenses adjacent to shears.; 7cm and 1-2cm, respectively; the latter lense or vein is 10-20° to the core axis.						
				-last 1.3' = bleached light green; contact 45° to c.a.						
114.5'	151' (46.02m)			BUFF RHYOLITE PORPHYRY - MINERALIZED to 126.5'	8435	114.5	118.5 (36.12)	4'	.009	.01
				-10% 3-5 mm glassy feldspar laths in an aphanitic matrix.	8436	118.5	122.5 (37.34)	4'	.013	.08
				114.5'-115.5' = contact breccia with Q-py infilling between fragments; some veins 30° to c. axis.	8437	122.5	126.5 (38.56)	4'	.007	.01
				-hairline to 1mm carb. vns common; ↗ COARSE GR GALENA IN CHL. ALT'D SECTION						
				-118.5' = f.gr. GALENA? in Q. vn at 20° to c.a.						
118.5	153	86	0.10	OVERALL 1-2% PYRITE and many Q vns.						
				-121-121.5' = a 4mm Q vn at 25° to c.a. and a 1-2cm Q vn at 30° to c. axis.						
				-124' - a 1cm. Q vn at 25° to c.a.						
				-126.1' = Brown weathered carb. w. galena(?)						
				-126.5' - mineralized zone ends.						
				-131.2'-132.5' = Fault gouge & strongly fract. rhyo. porph. Strong fracturing to 136'						
151'	155' (47.24m)			ALTERED GREEN ANDESITE						
				-fault gouge to 153'						
				- abund. calcite vnlts.						
				- lwr. contact 70° to c.a.						
155'	160' (48.77m)			MEDIUM GRAINED GRANODIORITE						
				-5% chloritized mafics						
				-fresh feldspars only occas. sericitized						
153	178	80	0.10	-159-160' = fault breccia; lwr. contact ca. 45° to c.a.						
160	182.5 (55.63m)			PINKISH BROWN RHYOLITE						
				-becomes f.gr. 2' from contact after first 2' of an aphanitic gdmass w. 5% 1-2mm anhedral feldspar phenos.						

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DIAMOND DRILL LOG — HOLE No. 87-WB3 — Page 3 of —

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	As (oz/ton)
				- hairline fract. w. dissem. py common - very hard (nail won't scratch) - lower contact approx. 60° to c.a.						
182.5'	190.6' (58.2m)			MASSIVE MEDIUM GRAINED GRANODIORITE - 7-16% chloritized mafics - locally rusty brown carb. alt^{n} especially near contacts. - lower contact irregular and 45° to c.a.						
190.6	198' (60.3m)			PINKISH BROWN RHYOLITE PORPHYRY - 15% anhedral to subhedral feldspars (1-2 mm.) in an aphanitic groundmass.						
178	201	90	0.35	- 194' = 2% dissem. PYRITE over 0.3' - lower contact 80° to c.a. (?+ broken						
198'	202' (61.57m)			MASSIVE MEDIUM GRAINED GRANODIORITE - lwr. contact ca. 80° to c.a.						
201	237.5	70	0.12	* REDUCED TO NQ CORE at 201'						
202'	239.5' (73m)			RUSTY BROWN RHYOLITE PORPHYRY 203-204' = Shear zone w. 0.5' of GN-SL-PY-Bearing QUARTZ; 2% total sulphides of mainly gn and sl.	8438	203	204	1'	.003	.13
				204'-206' = Silicified rhyolite in fault zone w. minor PYRITE - poor recovery	8439	204	206 (62.7m)	2'	.002	.03
				208-222' = strongly fract.; local fault gouge 211.5' = fault gouge down core axis						
237.5	266	80	0.30	213.2' = 2-4 mm. Q-Py vn. at 30° to c.a. 221.2' = 1 cm. wide piece of white Q vn. 223' = 4-6 mm. Q vn. at 30° to c. axis 225.7' = 2 mm. py vn. at 45° to c.a. 231-233' = fault zone	8440	222.5	227.5 (69.3m)	5'	.009	.05
					8441	227.5	232.5	5'	.007	.03
				ASSAYED SECTIONS CTG Q-Py vns.; ca. 1-2 per foot of core length.	8442	232.5	237.5 (72.39)	5'	.002	.01
261.5'	261.5'			ALTERED MEDIUM GRAINED GRANODIORITE						

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DIAMOND DRILL LOG

HOLE No. 87-WB 3. Page 4 of —

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
				- lightly rusty and lightly bleached to 253'				
261.5'	271.5' (3.75m)			CARBONATE-VEINED GREEN ANDESITE - upper contact foliation ca. 30° to c.a.				
266	307.5	80	0.10	-267'-271.5' = fault zone; lower contact is gouge; ca. 30° to c.a.				
271.5'	308' (92.98m)			PINKISH BROWN RHYOLITE PORPHYRY -occas. 1-2 mm. Q. vnlt. -279' = fault gouge (2cm) w. 3cm. Q vn. ctg. 1% pyrite at 70° to c.a. -281.2' = 3-4 mm. Q vn w. 2-3% PY. running down core axis at ca. 10° -286.5' = 3-4 mm Q-Chl-Py vn. at 10° to c.a. -288' = 2mm. Q-PY vn at 30° to c.axis. - the WHOLE ZONE IS STRONGLY FRACTURED.				
307.5	333	95	0.28	-295.8' = 2-3mm Q vn. w. minor PY at 5-10° to c.a. -301.6' = 1mm. Q vn running down core axis; pinches out -303-304' = fault gouge.				
308'	312.5' (95.25m)			GREEN ANDESITE -bleached for 1' from broken contact. -creme to buff 1cm. Q-Carb. vn in bleached zone at 20-25° to c.a. - calcite vns 1-3mm. wide common. FROM 308' on → rock is less fractured than before.				
312.5'	320.5' (97.63m)			ALTERED MEDIUM GRAINED GRANODIORITE - upper contact ca. 60° to c.a. -313-314' = well fract. rhyolite dyke -318.4'-319.1' = inclusion of foliated green andesite → upper contact 35° to c.a.				
320.5'	329.5' (100.43m)			BROWN RHYOLITE PORPHYRY -20% 1-3 mm. feldspars in aph. gdmass. - lwr contact 45° to c.a.				

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DIAMOND DRILL LOG

HOLE No. 87-WB #3. Page 5 of —

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
329.5'	332.5' (101.35m)			FOLIATED GREEN ANDESITE - fol'n 45° to c.a.				
333	343	90	0.05	- contact (lower) ca. 45° to c.a.				
332.5'	367.2' (111.2m)			RUSTY F. GR. to M. GR. GRANODIORITE - massive, unmineralized. - 347' = bleached light to medium grey.				
343	388	95	0.35	- 357.5' = Two 2-5 mm. Q. vns at 45° to c.a.				
367.2'	387.5' (118.1m)			PINKISH-BROWN RHYOLITE PORPHYRY - upper contact ca. 45° to c.axis. - 371.5' = 2 - Two mm-Q vns at 45° & 60° to c.a - 25% 1-3mm. feldspar phenos. - 382' = Several hairline PY vnlts.				
387.5	464.8' (141.67m)			GREEN ANDESITE (TUFFACEOUS) - 1% hairline to 3mm. calcite or non-fizzing Carb. vns; Vns 20-60° to c.axis. - dark green colour; massive, rel. high RQD. - broken upper contact.				
388	471	98	0.10	- several irregular lenses of Q-brown carb. up to 3cm. across. - locally brecciated and altered. - 431'-432' = Brecciation w. calcite infilling at 60° to c.a. - lower contact foliated and bleached for 2 feet. - contact ca. 45° to c.a				
464.8	471'			GRAY and BROWN RHYOLITES - 2 phases of rhyolites → a buff and a gray phase and vein py. - local dissem. pyrite in brown rhyo. - contacts 30°-80° to c.a. - 468' = hairline Q vn. cuts across both contacts - gray rhyo later? E.O.H. = 471'				

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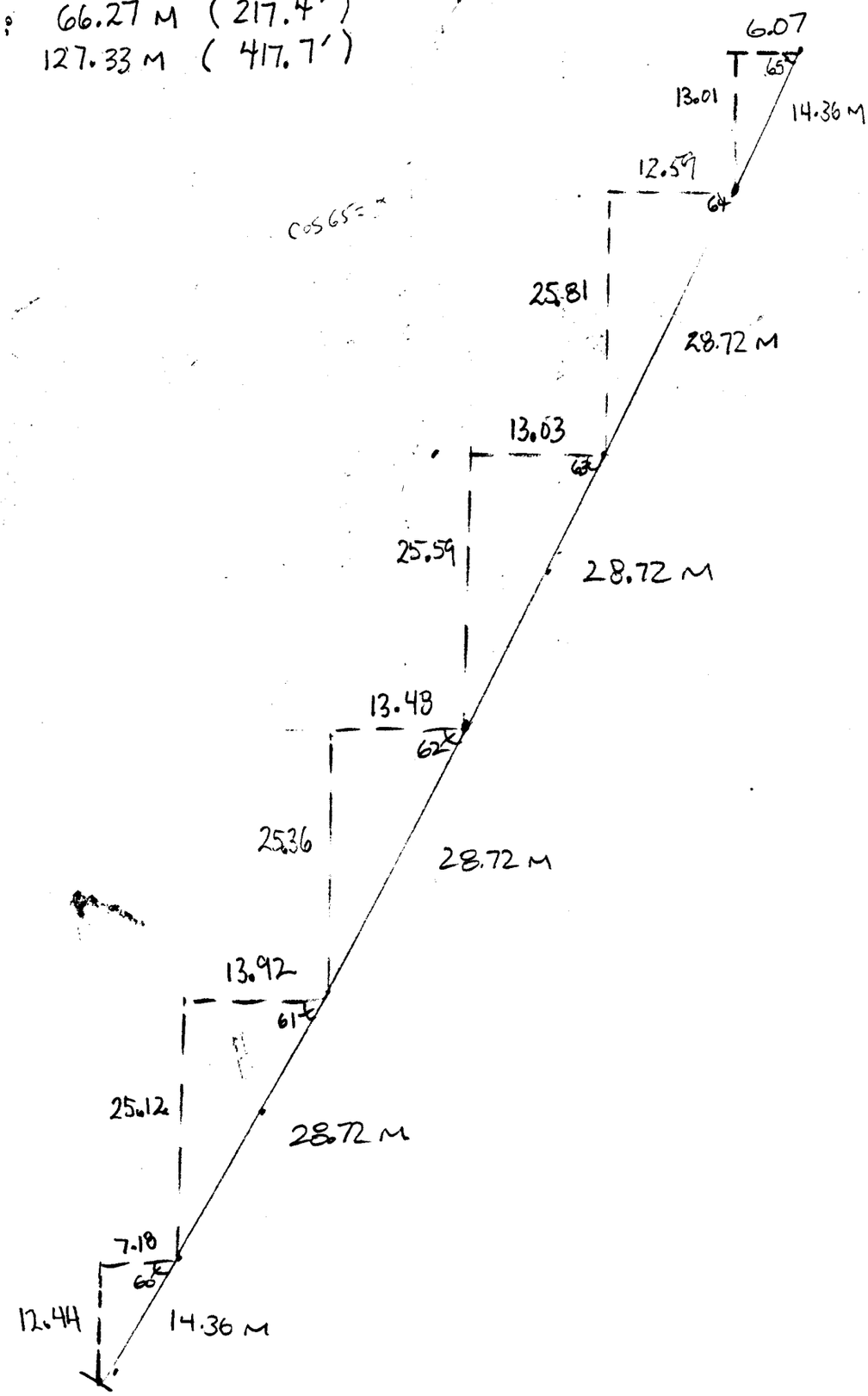
LENGTH : 471'

Dip @
Collar : -65°

Dip @
E.O.H : -60°

14.36, 28.72

Advance: 66.27 M (217.4')
Depth: 127.33 M (417.7')



DIAMOND DRILL LOG

HOLE No. 87-WB4 Page 1 of 6

Property ISLAND MINING - JL CLAIMS	NTS 105 D/2	Claim JL	Elevation	Azimuth 135°	Length 301'	Dip -65°
Coordinates	Dip Tests -63 at EOH.	Advance	Depth	Date Collared JULY 16/87	Date Completed JULY 18/87	
Purposes TEST STRIKE OF MINZ'N INTERSECTED IN 87-WB3	Drilled by CARON D.D.	Assays by ACME LABS.	Logged by HUGH MACKINNON & TERRY M. ELLIOT			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	
0	31'			OVERBURDEN - soil recovered from 21-27'					
0	37	25	0.35						
31'	33.3'			RUSTY M. GR. to C. GR. INTRUSIVE					
				- 5-7% altered mafics.					
33.3	37'			RUSTY DARK GREEN ANDESITE					
				- hair/lic to 3mm. Q - Carb. vns.					
				- sheared lwr. contact					
37'	63'(?)			LIGHT BROWN RHYOLITE PORPHYRY					
				- 37.5' = fault gouge 4 cm. thick at 45° to c.a.					
				- 5-10% 4-5 mm creme feldspar phenos in					
37	91	88	0.03	an aphanitic groundmass					
				- abund rusty Carb alteration					
				- rock is strongly fractured w. narrow zones of					
				fault gouge less than 1 cm across.					
				- 43.7' = Q - Fe carb. vn w. minor py at 20° to c.a.					
				- 54-56' - only pebbles of fgr. Rhya recovered;					
				minor disseminated & fract. PYRITE.					
				- gradational lwr. contact into lightly bleached Gd.					
63(?)	69.5'			PORPHYRITIC GRAY F. GR. GRANODIORITE					
				- 5-10% 4-6 mm. feldspar phenos which are rusty					
				and altered to clay(?)					
69.5	123.5'			BUFF-WEATHERING F GR FELDSPAR PORPHYRY					Au(oz/t) Ag(oz/t)
				- 5% 3-4mm. clay alt'd, buff (e.g. golden brown) feldspars in a	8443	90'	95'	5'	.010 .01
91	110	100	0	F. gr. (<1mm) groundmass.		27.43m	28.96m		
110	124	80	0.29	- 89.5' = breccia (0.5-1 cm. frags) w. minor py &	8444	95'	100'	5'	.011 .04
				white Qtz. infilling					
				- 90 to 95' = Abundant Q vns. 1mm - 1cm; minor					
				pyrite					
				- 95-100' = Fault gouge to 99'					
				- 100-109.5' = " " - poor recovery					

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	Ag oz/ton
				100-105' = fault gouge	8445	100 (30.5m)	105'	5'	.001	.02
				105-109.5' = " "						
				112-113' = brecciated // core axis -/un contact ca. 45° to c.a.	8446	105' (33.5m)	110'	5'	.001	.03
123.5'	134'2" (40.89m)			GREEN ANDESITE - abundant Q + carbonate vns up to 5 mm wide.						
				-125' = 7cm. fault gouge	8447	124.6' (37.96m)	125'8" (38.35m)	1'2"	Cu Pb Zn Ag As Au(ppb) 25 18 71 .4 4 1	
124	136	100	0.25	- 125'8" - 127'6" : Moderately to strongly limonitically bleached + chloritized w/ limonite, hematite or Fe carb along fractures. Moderately foliated at 30° to C.A.						
				- 127'6" : 7cm fault gouge	8448	127' (38.71m)	128'6" (39.14m)	1'6"	13 20 75 .1 5 1	
				- 127'11" - 128'8" : Strong limonitic alteration, becoming more patchy at depth						
				- 128'8" - 129'8" : Variably altered fault gouge both contacts irregular	8449	128'8" (39.22m)	129'8" (39.52m)	1'	33 17 62 .5 7 2	
				- 129'8" - 132'6" : moderately chloritized + foliated dark green, weakly porphyritic w/ 15 mm qtz-carbonate vn breccia at 130'. Vn may be 2 generations, 1 is weakly hematized (particularly along rims) & has tr py, cpy & bornite (?). Vn oriented @ 33° to C.A.	8450	129'8" (39.52m)	130'8" (39.83m)	1'	108 17 92 .4 2 2	
				- 132'6" - 139'6" : Upper contact @ 15° to C.A. ; limonitically altered fault gouge grading into chlorite + Fe carbonate altered fault gouge ; Lower contact sharp @ 30° to C.A.	8601	132'6" (40.39m)	134'6" (40.99m)	2'	8 17 62 .3 9 1	
134'2"	162' (49.38m)			BUFF BROWN ALT'D + QUARTZ VEINED RHYOLITE PORPHYRY (MINERALIZED)						
136	159.5'	0 97	0.03	Buff brown to pinkish brown, w/ 7-15% 1 mm feldspar phenocrysts in an aphanitic matrix. Pervasive & fracture filling moderate to strong limonite & fe carb alteration throughout. ≤ 2% hairline to 5mm q.v. ; few stockworks.						

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DIAMOND DRILL LOG

HOLE No. 87-W84 Page 3 of 6

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
				1-2% ≤ 1.5mm diss, gv or fracture filling py.										
				- 134'2" - 136' ; Strongly altered & brecciated, w/ tr - 1% galena either w/ py in groundmass,	8602	134'2"	136'	1'10"	10	67	86	.7	10	720
					8603	136'	137'	1'	6	60	93	.4	2	14
				or in qv., main galena bearing vn 3mm	8604	137'	138'	1'	3	680	141	1.7	7	49
				grey quartz vn at 65° to C.A.										
				- 138' - 143' ; V. blocky & broken core. 3mm	8605	138'	143' (43.59m)	5'	17	161	217	1.1	6	240
				qv. at 138'6".										
				- 143' - 148'6" ; Mostly blocky & broken core,	8606	143'	146'	3'	5	169	141	1.1	7	112
				moderate sericitization, Fe ox & carb alt.	8607	146' (44.50m)	151' (96.02m)	5'	3	76	83	.6	5	24
				Up to 5% euhedral py in veinlets										
				- 148'6" - 152' ; Pinkish brown, moderate pervasive	8608	151'	152' (96.33m)	1'	9	88	96	.8	6	3
				Fe ox & Fe carb altered, w/ 25% ≤ 1mm										
				subhedral to euhedral feldspar xtals. Partially										
				silicified w/ 1% ≤ 3mm qv., either										
				individual or as a collection of stringers.										
				Tr py.										
154'	200'	93	0.95	- 152' - 159'6" ; Brecciated, w/ py bearing	8609	152'	159'6" (47.09m)	2'6"	16	138	211	.6	8	25
				carb - qtz - ankerite(?) - limonite veins.										
				- 159'6" - 162' ; ≤ 5% diss fine grained py ;	8610	159'6"	159'6"	5'	15	175	149	.6	5	1
				≤ 30% ≤ 4mm feldspar xtals, may be	8611	159'6"	162' (49.38m)	2'6"	4	114	88	.4	16	270
				a Q.F.P. ; matrix alt'd as before.										
				≤ 3% hairline qv., variable degrees										
				of chloritic alteration. 160'8" 4mm										
				qtz - chlorite - albite(?) vein at 15° to										
				C.A. Lower contact gradational.										
				may be a mix of rhyolite porphyry &										
				altered granodiorite. 155' tr - 1% qv.										
162'	199'6" (60.81m)			DARK GREEN ALT'D MEDIUM GRAINED QUARTZ MONZONITE (W/ MINERALIZED VEINS)										
				Dark green to pink, Strong to moderate pervasive										
				chloritization w/ mafics ≤ 30%.										
				Strongly sericitized ajacent to qtz vns &										
				vnlts, w/ ≤ 8% euhedral ≤ 1.5mm py in										
				altered areas. Galena occurs only in graphite										
				veins & veinlets. as up to 4mm xtal										

DIAMOND DRILL LOG

HOLE No. 87-WB4 Page 4 of 6

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width		Cu	Pb	Zn	Ag	As	Au
				aggregates. Pervasive moderate carbonatization (calcite & Fe carb.) especially along fractures.											
				-162'-169'9": moderately altered, patchs of strong chloritization. 2% ≤ 5mm qtz-chlorite vns.	8612	162'	167'	5'		8	31	77	.3	3	40
					8613	167' (50.90m)	168'8" (51.41m)	1'8"		16	46	93	.3	7	4
				-168'8"-170'6": 3% Gn in qtz-chlorite(10%)-albite(?) veins & vnlts at 70-80° to C.A.	8614	168'8"	170'6" (51.97m)	1'10"	Assay Au, Ag Geochem: Pb, Zn, As, Sb, Cu	3	1293	207	2.1	11	380
				-170'6"-172': As above but 15mm wide & 5°-15° to C.A. & more chloritic. Albite(?) usually concentrated near centre of vein while chlorite occurs toward rims of vein. Very strong alteration adjacent to vein. Vn has many small splays.	8615	170'6"	172' (52.43m)	1'6"	" " + Special Prep	4	1207	176	2.4	15	700
				-172'-176': Tr to 1% gn, slightly more Fe alt'd & carbonatized than above, becomes more chloritized at depth.	8616	172'	174'	2'	Assay Au, Ag	6	41	125	.3	6	8
					8617	174' (53.04m)	176' (53.65m)	2'	" " "	6	116	231	.4	7	10
				-176'-179': strongly chloritized particularly along qtz vns. Tr to 1% gn. END OF MINERALIZATION	8618	176'	178'	2'.		19	417	508	1.3	3	5
					8619	178'	179'	1'		16	173	140	.9	8	1
				-179'-199'6": slightly coarser xtal size (≤3mm) better granitic texture, less altered. Strong carbonatization along vns & fractures. Chloritic alteration moderate to weak at depth; usually as a replacement of biotite(?). Lower contact strongly alt'd (Fe+chl), sharp but irregular at 5-15° to C.A.	8620	179' (54.56m)	184'	5'		20	14	46	.2	7	2
199'6" (60.81m)	207' (63.09m)			PINKISH BROWN RHYOLITE PORPHYRY											
200'	330'	62	0.10	10% 1-2mm euhedral to subhedral sericite or clay (illite?) alt'd feldspar xtals in an aphanitic matrix. Matrix commonly fe carb or sericitically altered. 1% ≤2mm q.v.; ≤3mm euhedral rusty py cubes along fracture planes & veins.											

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DIAMOND DRILL LOG

HOLE No. 87-WB4 Page 5 of 6

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
				-200'6" - 202' : Sericitically bleached minor q.v.	8621	200'	203'	3'	6	172	189	.5	11	37
				- 202' - 207' : Mostly broken core	8622	203'	207'	4'	6	345	177	1.0	9	250
						5' 5"	63.09m							
207'	219' (66.75m)			GREENISH BROWN ALT'D MEDIUM GRAINED QUARTZ MONZONITE										
				moderate to strongly alt'd to; chlorite (up to 40% of core), Fe carbonate, limonite & calcite. Blocky & broken core 215' - 219'. Fractures commonly 40° & 70-80°										
219'	230' (70.10m)			PINKISH BROWN RHYOLITE PORPHYRY										
				As before. Fe carb & ox altered, calcite along fractures. Blocky & broken core poor recy.										
227'				Switch to NQ core										
230'	245'6" (74.87m)			GREENISH BROWN MEDIUM GRAINED QUARTZ MONZONITE										
230'	260'	78	0.25	As before but less altered. 30-45% chlorite either pervasive alt [236'6" - 237'6"] or as replacements of matic minerals (biotite?). 1-2mm feldspars weakly to moderately altered to Fe carbonate. Tr py. Blocky & broken core 238' - 239' & 243' - 245'6"										
245'6"	286' (87.17m)			BUFF BROWN RHYOLITE PORPHYRY										
				Buff to pinkish brown, w/ 7-12% 1-2mm subhedral feldspar phenocrysts in an aphanitic matrix. Weak to moderate Fe-carb ox & sericitic alteration. Carbonate & limonite altered fractures w/ up to 10% ≤ 2mm subhedral py xtals.										
260'	286'	70	0.09		8623	251'	256'	5'	7	42	53	.3	12	4
					8624	261' (79.55m)	266' (81.08m)	5'	7	24	37	.7	2	2

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	CU	PB	ZN	AG	AS	AU
				Minor py bearing qtz veins ≤ 2mm.	8685	271	276	5'	7	28	41	.2	2	1
				Vn & fracture orientation commonly 50° to C.A										
				Blocky & broken core; 255' - 256',										
				258' - 261', 262' - 265'; 272' - 286'.										
286'	301'			DARK GREEN ALT'D MEDIUM GRAINED QUARTZ MONZONITE										
				Moderate to strong chloritic & carbonate alteration.										
286	301	93	0.98	Mafic minerals comprise ≤ 40% of rock &										
				are altered to chlorite or Fe carbonate. Intensity										
				of carbonatization & chloritization increases										
				with depth. Minor argillic alteration !										
				(illitization?) of Kspar(?) at depth.										
				10mm carbonate (calcite) - chlorite vn(s) at										
				287'6".										
				1-2% fractures & vns of several										
				generations commonly 70° & 10° to C.A,										
				but variable.										

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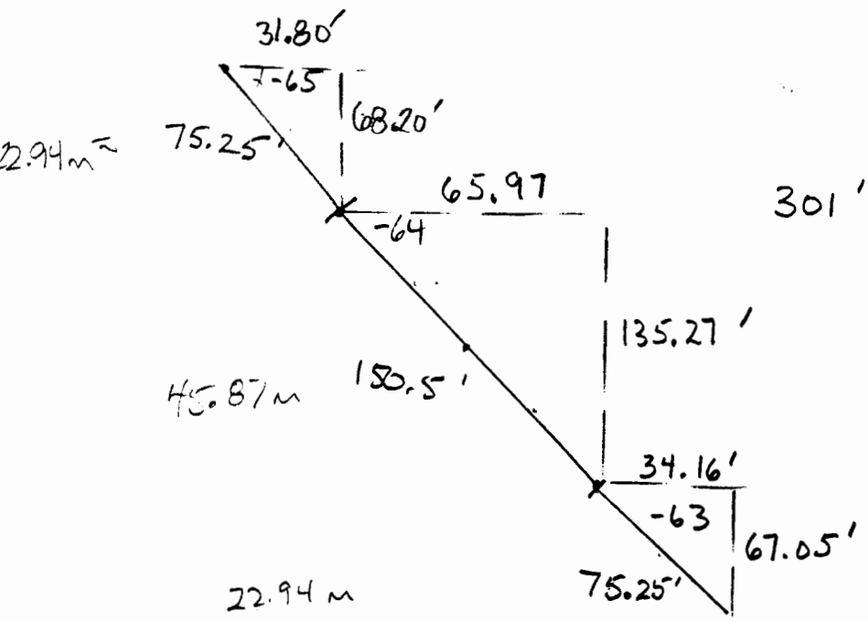
LENGTH : 301'

Dip @ Collar : -65°

Dip @ E.O.H : -63°



Advance : 131.93'

Depth : 270.52'

DIAMOND DRILL LOG

HOLE No. 87-I1 | Page 1 of 7

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
MIDNIGHT GULCH	105 D/2	TON	4900'	220°	339'	-50

Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed
4+90N / 1+20W	-50° at EOH	217.9'	259.7'	JULY 19, 1987	JULY 22, 1987

Purposes	Drilled by	Assays by	Logged by
TEST JUNCTION OF 2 MAJOR LINEAMENTS & MINERALIZATION AT TUAN SHOWING	CARON D.D.	ACME	HUGH MACKINNON

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (ppb)
0	14' (4.22m)			CASING.										
4'	29' (8.84m)			ANDESITIC LAPILLI TUFF & TUFF										
0	4'6"	22	0.18	4'-16" : Dark green lapilli tuff w/ 7% ± 1-15 mm angular fragments. Blocky & broken core. 6" ± flow w/ 10% ±1mm mafic (chlorite?) phenocrysts at 13'; flow contact @ 155° to C.A.										
				16'-17'6" : Dark greyish green moderately silicified lapilli tuff.										
				17'6" - 22' : Dark green lapilli tuff grading into fine grained tuffs.										
				22' - 24' : Dark green to grey green, brecciated tuff, w/ some silicification of bx. Bx band variable thickness & orientation to C.A. Slightly vuggy w/ calcite infilling	8485	22' (6.71m)	24' (7.32)	2'	27	6	81	.4	5	1
				24' - 26' : Brownish green to grey green, weakly porphyritic, 'chaotic' silicified to unsilicified tuffs.										
				26' - 29' : Brownish green, fine grained tuff, massive. Lower contact broken										
29'	32' (9.75m)			FINE GRAINED ALT'D RHYOLITE PORPHYRY	8486	29' (8.84)	32'	3'	13	6	21	.3	2	1
				Purplish brown, w/ 35% <1mm feldspar xtals in an aphanitic matrix. 5-10% limonitization spotting, may also be silicified. Fracturing & qtz. increase with depth, sericite ± limonite along fractures, with up to 50% limonite in 8mm qtz & 1% py. Mostly broken core.										

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DIAMOND DRILL LOG

HOLE No. 87-I1 Page 2 of 7

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
32'	38'6" (11.73m)			ALT'D & SHEARED PORPHYRITIC ANDESITE(?) FLOW										
				Buff orangish brown, w/ 10-15% 1-4mm elongate (lenticular) sericitically & carbonate altered feldspars in a fine grained limonite & carbonate (Fe+Ca) alt'd matrix. Foliation @ 50° to C.A.	8487	32'	33' (10.06m)	1'	9	9	35	-1	4	1
				- 32'-33': 2 ≤ 1cm qtz - limonite vns with 1-2% ≤1mm py	8488	33'6" (10.21m)	37' (11.28m)	3'6"	7	9	26	-2	2	1
				- 33'-33'6" & 37'-38': Rounded pebbles; overburden seam(?)										
				- 38'4" - 38'6": Carbonate alt'd fault gouge. Sharp contacts both roughly ⊥ to C.A.	8489	38' (11.58m)	38'6"	6"	13	9	23	-1	2	2
38'6"	86' (26.21m)			ANDESITIC TUFF, LAPILLI TUFF AND FLOWS										
				- 38'6" - 41': Dark brownish green, v.fg to fine grained tuffs. Strong sericitic alt. at top of unit, weak limonitization throughout rest. 1% v carb fracture filling										
40.5	95	98	0.70	- 41' - 45': 'mottled' lapilli tuff, moderately chloritized. 1% 2mm to 30mm jasper clasts (w/ 1% py). 3% hairline to 5mm carbonate fracture filling. Trace diss py.	8490	43' (13.11m)	45' (13.72m)	2'	159	6	109	-5	6	1
				- 45' - 46': Dark green, amygdaloidal flow, w/ 1-2mm amygdules filled with calcite & chlorite.										
				- 46' - 52': Green to dark green, highly fractured; moderately epidotized & strongly carbonatized along fractures. Fractures most commonly 20-30° to C.A. Combination of tuffs & flows										
				- 52' - 53': 'mottled lapilli tuff.										
				- 53' - 67': Dark green, principally mottled lapilli tuff with small flow units. Moderate chloritization weak epidotization										

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				- 67' - 83' : Dark green, principally weakly porphyritic flows w/ 3% 1-2mm chloritized or epidotized mafic &/or feldspar phenocrysts. Several mottled sections; minor lapilli tuffs & flow breccias. Strongly epidotized at 78'. <1% calcite filled tension fractures. Grades into fine grained non porphyritic tuffs at base. 81' an 8" amygdaloidal flow.									
				- 83' - 86' : Dark green, mottled lapilli tuff, strongly epidotized at base.										
86'	87' (1.52m)			RHYOLITIC OVERBURDEN (?)										
				80% pinkish brown fine grained rhyolite & 20% andesitic volcanic core rubble fragments.										
87'	107'4" (32.72m)			ANDESITIC VOLCANICS										
				Dark green, green to greenish grey flows, tuffs & lapilli tuffs. Scattered epidote vns'd fracture fillings. Several generations of vns including qtz + calc vnlts, carb vnlts & fracture fillings, & epidote. Py, chalcopyrite, malacite &/or bornite occur in trace amounts in amygdules, qtz vnlts, along epidote + qtz vns & in fractures. Good recovery.									
98	111'	94	0.33	- 87' - 90' : Mottled lapilli tuffs & tuffs bx (?). 88' + 88'6" 5 to 10 mm epidote vns at 50° - 60° to C.A. Trace cpy, py, mal & bornite	8491	87'	89' (27.13)	2'	156	10	130	.1	2	1
				- 90' - 93'6" : Moderate to strongly epidotized porphyritic & amygdaloidal flows (w/ cpy, mal & py) grading in to fgr. tuffs.	8492	90'	92'	2'	87	5	124	.1	8	2
				- 93'6" - 94'6" : Mottled lapilli tuffs										

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DIAMOND DRILL LOG

HOLE No. 87-I2 Page 4 of 7

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				-94'6" - 100' : Porphyritic to amygdaloidal flows & tuffs. Chloritization of mafic phenos.										
				-100' - 103'6" : mottled lapilli tuff w/ trace malachite along fractures. Minor epidote-calcite vns & bx vns at 50-60° to C.A.	8493	100'	103'	2'	303	7	136	.1	8	3
				-103'6" - 107'4" : Grades from 1mm amygdule flows into mottled lapilli tuff. " " : ANDESITIC										
107'4"	101'6" (33.5m)			ALTERNATING (GRADED) ^TUFF TO CRYSTAL & LITHIC TUFF										
				Sequence of fine grained dark green tuffs or in some case may be flows grading into grey tuff with 30% 1-2mm euhedral xtals, 15% ≤ 10mm lithic fragments in a silicified, chloritized & fractured matrix. Unit is repeated 7 times with each bed from 2cm to 9cm thick. Contacts commonly 75-85° to C.A.										
109'6"	126' (38.40m)			MIXED ANDESITIC VOLCANICS										
111	126	80	0.65	Succession starting at top w/ tuff, mottled lapilli tuff, mottled xtal tuff then fine grained tuff.										
				Switch to NQ at 111'										
126'	150' (45.72m)			ALT'D ANDESITIC VOLCANICS & RHYOLITE										
126	176	55	0.25	Buff orangish brown, bleached' - carbonate (Fe & Ca), limonite & sericite tuff, lapilli tuff & porphyritic flows. Moderately foliated in places at 55-60° to C.A. 40% blocky & broken core. Sct to gr py << 1%.										

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				- 129'6" - 135' ; sheared & altered porphyritic flows & fault gouge. Poor recy.	8494	129'6"	135'	5'6" 30% recy	29	10	67	.4	8	11
				- 135' ; Potential small rhyolite unit, (41.15 m) v. poor recy	8495	135'	190'	5' 25% recy	26	10	64	1.8	2	4
				- 146' - 146'6" ; Greenish white sericitized 3mm feldspars in a strongly silicified brilliant orange aphanitic matrix - rhyolite porphyry ?										
150'	218' (Hole)			ALTD RHYOLITE & RHYOLITE PORPHYRY										
				Orangish-pinkish brown becoming greyish, at depth ; Fe carb, limonitized (?) bleached	8496	151'	154'	3'	7	6	18	.6	6	13
					8497	154'	156'	2'	14	5	26	.5	3	6
176	227.5	78	027	&/or silicified &/or sericitized aphanitic matrix w/ sericitized &/or 'bleached' feldspars. Alteration & fracturing less intense with depth. Tr to 1% py.	8498	156'	161'	5'	9	6	21	.3	5	4
					8499	161'	166'	5'	13	11	32	.5	7	17
				1-2% hairline to 5mm q.vns usually with an accompanying alteration halo. Limonite and/or Fe carb (ankerite) along 40% of fractures & veins. 1-2% carbonate vns & tension gash fillings. Upper core : mostly broken. Trace of volcanic xenoliths. Qtz veining decreases w/ depth	8500	188'	190'	2'	4	11	30	.3	2	12
					8501	207'	210'	3'	5	16	30	.3	5	20
					8502	210'	212'	2'	4	7	31	.2	7	6
				- 151' - 154' ; Strong bleaching, 3% q.v., 2% fractures ; 1% py.										
				- 154' - 156' ; As above but 5mm sericitized q.v. at 155'										
				- 156' - 161' ; moderate to strong bleaching, sericitized & silisitied around q.v.										
				- 161' - 166' ; mostly broken & blocky core										
				- 166' - 188' ; moderately altered rhyolite porphyry w/ 5-7% 1-2mm phens										

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				- 186' - 190' - 4% py fracture filling, 4mm qtz-carb vn at 50° to C.A. & strongly altered 'crumbly' core.										
				- 190' - 207' : Rhyolite porphyry, as before, but most feldspar are rimmed w/ sericitic centres.										
				- 207' - 212' : Strongly alt'd.	&									
				- 213' : qtz v. with 2mm euhedral py	8503	212'6"	213'6"	1'	4	10	24	.3	2	2
				- 216'6" : Sericitized 3cm bx.	8504	216'	217'	1'	4	10	25	.4	4	2
				- 217-219', Core rubble										
218'	227'			MIXED ALT'D RHYOLITE & ANDESITIC TUFF										
	69.1%													
				- 218' - 219' : Orangish brown fn-gr. tuff										
				- 219' - 220'6" : Alt'd (as above) rhyolite, bx at top, porphyritic toward base										
				- 220'6" - 222'6" : Dark green fn grained xtal tuff w/ 10% 1mm chlorite phens, unit orangish brown where bleached.										
				- 222'6" - 227' : Alt'd rhyolite; silicified, bleached (sericite, limonite + Fe carb), with 4mm qtz-ankerite (?) vn & fracture filling. Lower contact @ 85° to C.A. (broken).	8505	222'6"	224'	1'6".	6	11	20	.3	8	4
					8506	224'	227'	3'	5	177	39	.7	11	13
227'	236'			ANDESITIC TUFF										
	76.9%													
227.5	251	93	0.55	Dark brownish green, fine grained, weakly foliated at @ 65° to C.A.; limonitically bleached at top, & weakly chloritized throughout remainder of section. <1% 1-3mm qtz. at 60-80° to C.A., in addition qtz-albite fracture fillings at @ 25° to C.A.										

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
232'	245' (74.68m)			MIXED ANDESITIC LAPILLI TUFF & FELSIC CRYSTALLINE PORPHYRITIC FLOWS										
				- 235 - 237'6": As above but with lapilli fragments ≤ 1cm & weakly bleached										
				- 237'6" - 239': Dark purplish grey, porphyritic w/ 5% 3mm pheno in an aphanitic matrix. 5% 1-2mm qtz. - Rhyolite flow.										
				- 238' - 239': Lapilli ~~tuff~~ as above										
				- 239' - 239'6": Rhyolitic flow as above.										
				- 239'6" - 245': Lapilli tuff as above but slightly more bleached, becomes tuffaceous at depth. Lower contact sharp 55° to C.A.										
245'	252' (76.81m)			RHYOLITE PORPHYRY										
				Dark purplish grey to orangish brown, w/ 2% subhedral to euhedral 2-3mm plagioclase phenocrysts in an aphanitic to occasionally flow banded matrix. Slightly bleached.										
252'	272' (82.91m)			ALT'D RHYOLITE PORPHYRY										
				Orangish to light greenish brown, fg. carb, sericitized &/or silicified, w/ Mn + weak carb alteration along fractures. 1-5% qtz., w/ 1-2% subhedral py. 2-7 2cm irregular tuff bands near top of unit. Variable amounts of bleaching. 3-5% fractures at base with ankerite(?), py infilling. Variable orientation; commonly //, 20° & 80° to C.A.	8507	252'	254'	2'	4	2	24	.1	4	1
251	286	81	0.26		8508	256'	258'	2'	5	15	34	.2	6	4
					8509	267'	272'	5'	4	20	43	.3	11	2

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	
272'	276' (84.1m)			RHYOLITE QUARTZ-FELDSPAR PORPHYRY Light greyish to orangish brown, visually Fe bleached w/ 8% (5% plagioclase, 3% qtz) 1-2mm euhedral to subhedral phenocrysts, in an aphanitic matrix. Becomes a purplish grey porphyry at base. Lower contact 50-60° to C.A.					
276'	277'6" (84.5m)			FINE GRAINED ALT'D ANDESITIC TUFF Light green where chloritized & brownish grey toward contacts where bleached w/ 2mm qtz-aplite vn/fracture fillings at 20° to C.A.					
277'6"	279'6"			RHYOLITE PORPHYRY Dark purplish grey porphyry, as before, grading into a flow banded rhyolite. - 278'6": 3cm lapilli tuff band					
279'6"	295'6" (90.0m)			ALT'D ANDESITIC LAPILLI TUFF					
286	301.5	52	0.08	Dark green w/ either limonitic or sericitic bleaching. - 287' - 294'6": Blocky & v. broken core					
295'6"	302'6" (92.1m)			MIXED ALT'D ANDESITIC VOLCANICS & RHYOLITE					
301	316	70	0.30	Very blocky & broken core w/ 80% rhyolite fragments, 30% qtz veins in rhyolite, 30% recy.	8510	300'6" (91.6m)	302'6"	2'	(35% recy) 10 | 41 | 90 | .5 | 5 | 4
302'6"	315' (96.0m)			ANDESITIC CRYSTAL TUFF (OR PORPHYRITIC FLOW) Dark green, w/ 30% 0.5-1mm chlorite (mafics) grading to 1-2mm feldspar xtals (<1% ≤2mm carbonate (calcite) vns.					

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DIAMOND DRILL LOG

HOLE No. 87-I1 Page 9 of 9

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				- 309' : 3 cm qtz - chlorite - carbonate vn at 75° to C.A.										
				- 311' - 313' : V. blocky & broken core (rubble)										
				- 312'6" - 313'6" : Qtz - epidote - calcite - chlorite - mn oxide vn & fracture filling. Trace py	8511	312'6"	313'6"	1'	61	7	68	.2	2	1
315'	328'6" (100.13m)			ANDESITIC VOLCANICS variably alt'd										
316	339	83	0.07	Dark green, ∧ tuffs (lithic lapilli & crystal)										
				- 315'6" - 316' : Fault gouge, carbolt.	8512	315'6"	317'	1'6"	↑ (Poor recy) 23	9	70	.1	6	2
				- 316' - 317' : Broken core V. poor recy										
				- 317' - 325' : Broken core, lapilli tuffs, 5% carbonate fracture filling										
				- 325' - 326' : V. poor recy, clay, & limonite & carb alt'd tuffs.	8513	325'	326'	1'	↑ (Poor recy) 7	10	59	.1	9	3
				- 326' - 328'6" : Bleached - limonite & calcite, & well foliated xtal tuff & lapilli tuffs										
328'6"	330' (100.58m)			ALT'D RHYOLITE										
				Grey to light green strongly sericitized & qtz veined. V. poor recy, broken core	8514	329' (100.28m)	330'	1'	↑ (Poor recy) 33	6	37	.2	7	3
330'	332' (101.19m)			FINE GRAINED FELSIC TUFF (?)										
				Pinkish grey, w/ 0.5mm angular qtz fragments, + 5% <0.5mm diss magnetite (?). may be a fgr. granodiorite ?										
332'	339' (103.33m)			ANDESITIC XTAL TUFF										
				Dark green, fn to med. grained, 1% calcite fracture fillings (minor bx). Mostly broken core										
				- 335' : 4 cm, silicified & sericitized rhyolite porphyry.										
				E.O.H.										

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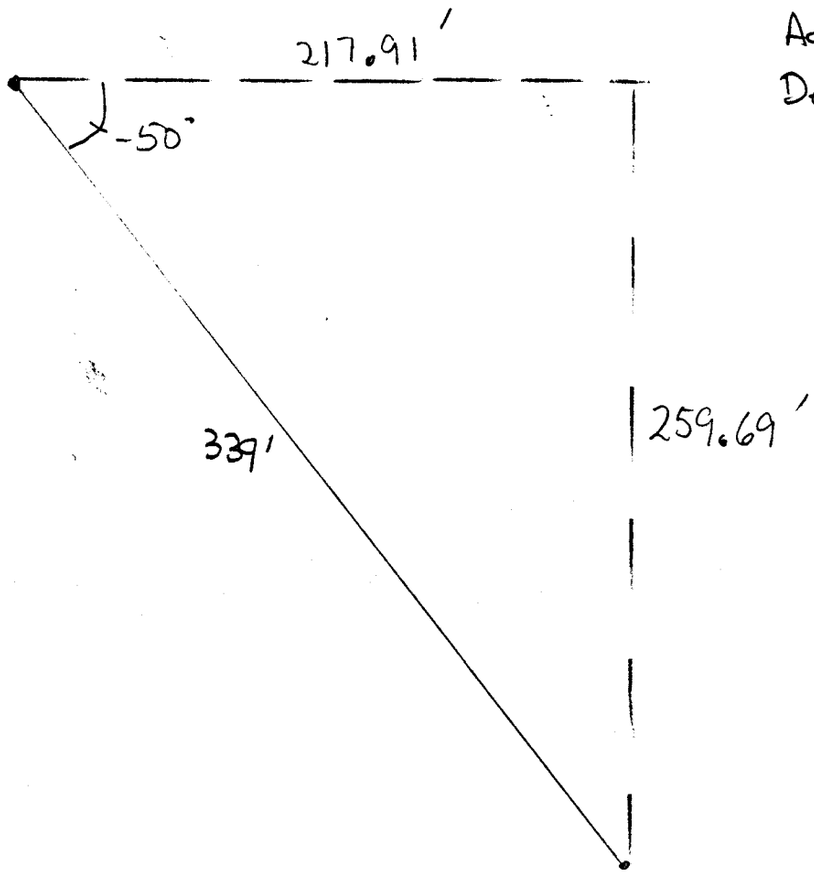
LENGTH: 339'
Dip @ Collar: -50°
Dip @ E.O.H: -50°



Advance: 217.9'
Depth: 259.7'

[redacted] **DIAMOND DRILL LOG** HOLE No. 87-I2

Property MIDNIGHT GULCH	NTS 105D/2	Claim JL	Elevation 4900'	Azimuth 170°	Length 259	Dip -50
Coordinates 4+40N / 1+20W	Dip Tests -50° at E.O.H.	Advance 166.48'	Depth 198.41'	Date Collared JULY 22	Date Completed JULY 24	
Purposes TEST E/W LINEAMENT & MINERALIZATION AT [illegible] SHOWING	Drilled by CARON D.D.	Assays by ACME	Logged by HUGH MACKINNON			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (ppb)
0	6'			CASING										
6'	21'			ANDESITIC TUFF, LAPILLI TUFF & BRECCIAS										
[illegible]	CAD													
0	16'	97	0.08	Dark green to brownish green, pervasive										
16'	43'	96	0.23	weak limonitization & chloritization										
				- 6'-9': mostly blocky & broken core,										
				strong Fe (limonitic) alt of lapilli tuff										
				- 9': 6" Fault gouge zone										
				- 9'-13': more greyish coloured, angular	8515	11'	12'	1'	6	9	87	.3	8	2
				'dirty' quartz ('silification') zones, w/		(3.35m)	(3.66m)							
				weak to strong silicification throughout										
				lapilli tuff. Trace py										
				- 13'-15': Fine grained tuff, blocky fracture										
				with white qtz infillings. Brecciated at 13'6",										
				with non tuffaceous "infilling."										
				- 15'-16': Blocky & broken core										
				- 16'-17': Lapilli tuff, weakly brecciated	8516	16'	18'	2'	6	14	102	.1	15	14
				by sets of hairline to 4mm ankerite(?)		4.88m	5.49m							
				& white qtz filled fractures. Fracture										
				orientation commonly 20-40° w/ 2ND set										
				at 30° offsetting larger 'vns' up to 8mm.										
				- 17'-21': Lapilli tuff w/ 30% ≤ 10mm										
				rounded to subangular volcanic fragments. Trey										
				17'6" a 2.5cm breccia band at 30° to C.A,										
				with 25-40% 2-5mm feldspar xtals & 10-25%										
				tuff fragments in a fn gr matrix. Intrusive										
				breccia?										
21'	35'			ANDESITIC LAPILLI TUFF										
	[illegible]													
				Dark green to grey green; moderately										
				chloritized. 40% broken & blocky core at top of unit.										
				Variable fragment size, generally ≤ 20cm.										
				Weakly to moderately silicified toward top.										

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DIAMOND DRILL LOG

HOLE No. 91-12 Page 2 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	
				≤ 10 cm crystal tuff bands between 29' & 31'.					
28'	37'6"			ALT'D ANDESITIC LAPILLI TUFF					
				Dark green moderately chloritized w/ 35% light brownish white moderately argillic (clay) (?) & silicic alt'd ≤15mm volcanic fragments. Core broken for lower half of unit.					
37'6"	43'			ANDESITIC LAPILLI TUFF					
				Green to greenish brown moderately chloritized, weakly limonitized. 39'-40': Weakly foliated (at @ 5° to C.A) Lower contact sharp 50-60° to C.A.					
43'	45'6"			ALT'D ANDESITIC TUFF					
43	70	80	0.10	Green at top of unit grading to brown. Fn grained, w/ limonite & wsd plane fractures. Blocky core.					
45'6"	46'6"			RHYOLITE					
				Pinkish brown, felsic v. fn grained, broken core, poor recy.					
46'6"	54'6"			ALT'D SHEARED PORPHYRITIC ANDESITE (?) FLOW					
				Orangish brown, w/ 3mm elongated sericitized feldspar (?). Foliation at @ 70° to C.A. Strong limonitic alteration.	8517	47'	50'	3'	12 | 6 | 36 | .3 | 3 | 2

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DIAMOND DRILL LOG

HOLE No. 87-I2 Page 3 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	
54'6	62'			Mixed [illegible] tuff & [illegible]					
	18.9m								
				Fine grained dark green to brown, fairly massive mixed pebble lithologies [illegible] (A.A.), + tuff at 57'-58'6", & 59'-59'6". May be an overburden seam?					
62'	97'			ANDESITIC LAPILLI TUFF					
				Grades from strongly limonitically bleached & weakly foliated (at 20°-40° to c.a) to weakly					
70	86	94	0.42	bleached (limonite spotting & 5% alt'd fragments) 1-2% ≤5mm limonite & carbonate fracture filling or vns. Weak carbonate all. Becomes slightly mottled at depth, w/ moderate chloritization & weak epidotization 1-2% calcite fracture/tension gash fillings.					
				- 75'-76': Broken core rubble					
				- 79'-80'6": mostly broken core; strong limonitization along fractures - 2 bands of fault gauge?					
				- 87'6"-88'6": Amygdaloidal flow w/ 7% 1mm chlorite ± carbonate filled amygdules. chloritized & hematized gwy & patch.	8518	87'6" (26.67m)	88'6" (26.97m)	1'	22 | 25 | 131 | .2 | 11 | 2
				- 96': 9 cm v.fg. grained clast.					
				Lower contact irregular					
97'	122'			ANDESITIC TUFF					
	37.2m								
				Dark green fg. grained, occasionally weakly mottled, moderately chloritized, V. weak					
86	111	88	0.55	epidotization. ≤10% calcite tension gash &					
111	139	90	0.69	fracture filling generally increasing w/ depth; often as multi generation networks,					
				minor epidote veining, & strong chloritization					

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				along fractures at depth.										
				– 111'6": Patch of py in a small chloritized band (~~–111': switch to NQ~~)	8519	107'	109'	2'	168	11	110	.5	4	1
				– 114' – 115': Strongly epidotized, w/ 3mm calcite vns & vnlts, weak hematization.	8520 c	114'	115'	1'	58	53	72	.5	7	2
				– 115' – 122': Trace py, epydmal;	8521	115	120' (36.58m)	5'	101	23	111	.8	14	1
122'	129' (39.32m)			ANDESITIC LAPILLI TUFF.										
				Dark green, v. strongly mottled, w/ anastomosing calcite vns & fractures. Weak pervasive limonitization, moderate chloritization & limonitized fractures	8522	124' (37.80m)	129' (39.32m)	5'	90	11	128	.7	5	1
129'	134'			ANDESITIC AMYGDALOIDAL FLOW										
				– 129' – 130'6": Dark orangish/brownish green grading to orangish brown, tuff w/ 10% 1mm chloritic filled amygdules grading into carbonate or qtz filled amygdules (may be a porphyritic flow?). 4cm qtz + ankerite ? – carbonate vein at 130'. V/n surrounded by pervasive strong limonitic & weak carbonate & sericite (?) alteration	8523	129'	130'6" (39.78m)	1'6"	35	12	83	.4	9	1
				– 130'6" – 134': Dark green, with slight orangish brown limonitic bleaching; 10% chloritic amygdules as above. 5mm & 2cm qtz veins at 131' + 132'6" respectively. Tr py. 3% carbonate vnlts & fracture fillings	8524	130'6"	133' (40.54m)	2'6"	254	11	107	1.3	8	4
134'	135'6"			ALTERNATING ANDESITIC TUFF & CRYSTAL/LITHIC TUFF										
				Dark green slightly mottled tuff & light grey crystal/lithic tuff w/ 10% 2-3mm white plagioclase xtals, 10% angular	8525	134'	135'6"	1'6"	326	14	94	1.0	6	1

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DIAMOND DRILL LOG

HOLE No. 87-I2 Page 5 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				lithic fragments in chloritized, siliceous matrix, well fractured & partially brecciated by hairline to 2mm carbonate ± qtz veins. Hematized 1cm fragments with cpy & cpy-calcite-chlorite veins at base of unit										
135'6"	138'6"			MIXED ANDESITIC TUFFS & AMYGDALOIDAL FLOWS										
				Dark green, slightly mottled, w/ 1-5% amygdules. Moderate to strongly fractured w/ qtz-carb infilling fractures & vns. Minor limonite & Fe-carb in & adjacent to veins.										
				-137': 5cm band with carbonate filled amygdules & qtz-carb veins w/ tr cpy	85226	136'6" (41.60m)	138 (42.06m)	1'	20	7	78	.3	8	1
138'6"	150'			ALT'D & SHEARED ANDESITIC VOLCANICS										
139	150	90	0.06	Orangish brown, strongly foliated at 20-26° to C.A.										
				-138'6" - 142'6": Strongly Fe carb & limonite, & weak carbonate altered amygdaloidal flows.	85227	139' (42.37m)	144' (43.89m)	5'	88	9	80	.7	2	4
				-142'6" - 145': Alt'd & sheared lapilli tuff & tuff.										
				-145' - 149'6": Sandy core rubble v. poor recy	85228	145' (44.20m)	149' (45.42m)	4'	38	17	73	.6	9	1
150'	151'			FINE GRAINED GRANODIORITE (?)										
150	190	60	0.04	Dark green w/ 30% mafics (chlorite)										
151'	182'			ANDESITIC LAPILLI TUFF										
				Green to dark green, moderate to weak foliation at between 10-50° to C.A. 3% ≤ 1cm qtz or carbonate vns & fracture filling. Occasional chlorite										

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DIAMOND DRILL LOG

HOLE No. 87-I2 Page 6 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				Fe carb & limonite w/ vns. Foliation decreases w/ depth.										
				- 152'-153': Possible chloritized & fn grained granodiorite. Upper contact @ 35° to C.A. Large calcite vein. Tr py										
				- 154'-155': Limonitically bleached w/ 2mm q.v.										
				- 160'-162': Broken core, +4cm q.v. at 161'	8529	160'6" (48.92m)	161'6" (49.22m)	1'	14	9	85	.4	2	1
				- 164-165': Strongly foliated, moderate bleaching										
				- 165'-182': Weak to mod foliated, multi-lithic fragments, several small silicified bands, slightly mottled tr py.										
182'	184'			ANDESITIC TUFF										
				Green w/ 5% 1mm chlorite x-tals. Upper contact @ 45° to C.A.										
184'	242'11"			ANDESITIC LAPILLI TUFF & TUFF										
				Dark green. Upper half: Fragments generally smaller than overlying lapilli tuff (ave ≤ 5mm);										
190	199	83	0.08	weak (< 1%) limonitization of selected mafic										
199	221	89	0.51	minerals; moderately chloritized throughout &										
241	259	75	0.93	sporadically silicified; occasional crystal										
				tuff & lithic tuff (< 15 cm) bands. Lower										
				half: Greater percentage of tuffaceous										
				layers; weak to strong epidotization &										
				chloritization, either pervasive or along										
				fractures & vns. Scattered (1-3%) ≤										
				5mm carbonate vns.										
				- Limonite & Fe carb altered ≤ 10 cm										
				bands at 218' & 229'6".										
				- 227'8"-228'6": 15 cm epidote-calcite	8530	227' (69.19m)	229' (69.80m)	2'	81	13	101	.5	6	2
				± qtz vn w/ adjacent smaller epidote-calcite vnlts.										
				Smaller vns are fractured & offset by										
				carb. ± chlorite vns & fractures.										

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DIAMOND DRILL LOG

HOLE No. 87-I2 Page 7 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width						
				-231' - 237': Crystal tuff (marker flow?) w/ 15-30% ≤1.5mm plag xtals.										
				-237' - 242'1": As above but becomes more fc alt'd w/ depth.										
242'1"	250'10" (76.)			ALT'D, BRECCIATED & STRAINED LAPILLI TUFF & FELSIC FLOWS										
				-242'1" - 242'6": Brown to brownish green lapilli tuff, moderately foliated at 70° to C.A. Lithic fragments partially stretched out, & more strongly alt'd than matrix	8531	242' (73.15m)	243'1" 74.07	1'	5	8	71	.2	4	1
				-242'6" - 243': Yellowish brown, xtal tuff & lapilli tuff, less sheared than above unit.										
				-243' - 250': Grey to buff to brownish grey, strongly alt'd, porphyritic, flow banded, & weakly brecciated felsic (rhyolitic) flows, w/	8532	243'	245' 74.68m	2'	76	10	43	.6	2	1
				1% clay (?) altered 1mm euhedral phenocrysts, at 243' - 244'4", 247' - 247'11" & 249'8" -										
				250'. Brecciated & variably alt'd lapilli tuff. Angular, silicified, irregular shaped,	8533	245'	247' (75.29m)	2'	40	14	39	.4	2	1
				orangish brown to grey (often rimmed) altered fragments ≤27mm in a grey variably chloritized (?)	8534	247'	250' (76.2m)	3'	33	11	48	.5	4	2
				Feal'd & silicified matrix with <10mm lithic fragments. Chaotic fragmental & matrix, no, pattern but roughly aligned 50° to 70° to C.A.										
				Possible fault breccia, w/ an alteration overprint. chlorite & qtz vn.										
				Later stage (?) brecciation at 243'11", 246'9" - 246'11", 247' - 247'2" & 248'7".										
				1-2% ≤2mm qtz vnlts.										
				-250' - 250'10": less altered lapilli tuff.										
250'10"	259'			ANDESITIC LAPILLI TUFF										
				Dark green, fissile, moderate to strongly chloritized, moderate silicification in places. 2% calcite										

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DIAMOND DRILL LOG

HOLE No. 87-12 Page 2 of 2

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
				Vein quartz, usually w/ chlorite rim				
				minor limonitization along fractures.				
209'				E.O.H.				

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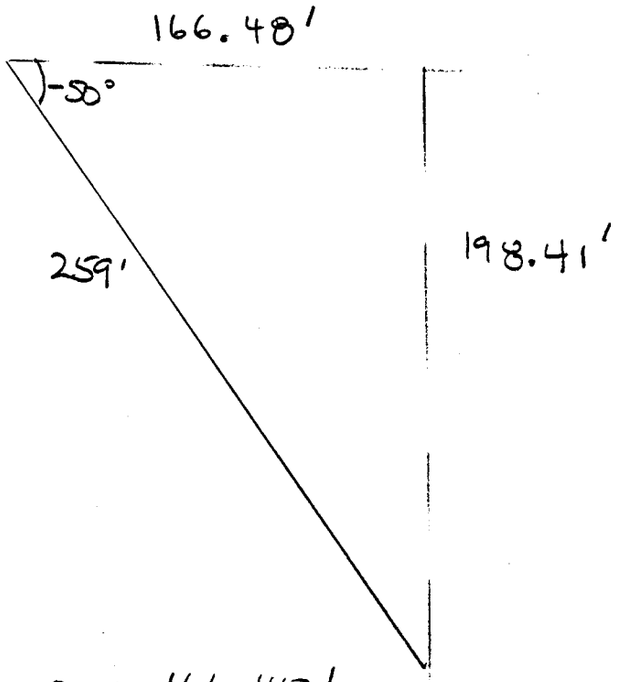
Length:

Dip @ Collar: -50

Dip @ EOH: -50



Advance: 166.48'

Depth: 198.41'

[illegible] GEOLOGICAL CONSULTING INC.

DIAMOND DRILL LOG

HOLE No. DDH 87-A1 | Page 1 of 12

Property MIDNIGHT GULCH	NTS 105 D/2	Claim JL	Elevation 4200'	Azimuth 227°	Length 387'	Dip -51°
Coordinates 5+25N 1+25E	Dip Tests —	Advance 243.5'	Depth 300.8'	Date Collared JULY 1, 1987	Date Completed JULY 6	
Purposes TESTING RHYOLITE DYKE AT ADIT (4+25N, 0+90E)		Drilled by CARON		Assays by ACME	Logged by A. MONTGOMERY / MUCH MacKINNON	

Interval From	Interval To (m)	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core (m) Width	% PY	Cu	Pb	Zn	Ag	As	Au
0	25.9			CASING											
5.28	16.15	40%	0.03	OVERBURDEN (?)	8366	14.63	16.15	1.52	0%	24	13	59	.1	3	3
				MIXED ROCK FRAGMENTS, PEBBLES & SOIL, ROCK FRAGMENTS IDENTIFIED INCL'D: SILICIFIED ANDESITIC LAPILLI TUFF, FE ALTERED & SHEARED LAPILLI TUFF, FLOW BANDED TUFF BRECCIA, MILKY QTZ-FE CARB VEIN FRAGMENTS OR(?) FE ALTERED RHYOLITE; MINOR GOSSANOUS CLAY RICH GRITTY SOIL (CARBONACEOUS)										
				- MINOR QTZ/CALCITE VEIN W/ 1% SUBTOTAL PY (FRAGMENT) @ 13.65m											
				- $FeCO_3$ ALT'N COMMON IN ROCKS											
16.15	19.2	45%	0	GOSSANOUS SOIL / MNR TUFF ? FRAGMENTS	8367	16.15	18.35	2.20	TRC	40% RECVY 26	12	92	.1	2	5
				YELLOW-BROWN CLAY RICH SOIL W/ ANGULAR ROCK FRAGMENTS - MAINLY $FeCO_3$/SERICITE ALTERED, FOLIATED TUFF ?; SOIL FIZZES IN DILUTE HCL.											
				18.35 - 18.65: SIMILAR TO ABOVE W/ ~ 30% QTZ-CALCITE VEIN FRAGMENTS W/ RUSTY LIMONITIC FRACTURES THROUGHOUT; VUGGY (APPEARS TO BE IN PLACE)	8368	18.35	18.65	0.30		5	6	64	.1	5	3
				FRAGMENTS OF $FeCO_3$ ALTD RHYOLITE ? AT 16.15 - POSSIBLE DYKE CONTACT ?	8369	18.65	19.2	0.55		23	10	83	.1	4	1
19.20	29.90	60%	0	ALTERNATING BLOCKY BROKEN ALT'D TUFF/GRITTY-CLAY RICH	SOIL				TRC						
				COMMONLY LESS GOSSANOUS GRITTY SOIL W/ ANGULAR	8370	19.20	21.00	1.80		4	5	59	.1	2	3
				RUSTY BROWN $FeCO_3$ ALT'D TUFF FRAGMENTS, ALTERNATING	8371	21.00	23.00	2.00		11	6	65	.1	4	1
				W/ VARIABLY ALT'D ($FeCO_3$ + SERICITE), FOLIATED (50°-70° TO C.A.) TUFF, CARBONACEOUS LIMONITIC FRACTURES; $FeCO_3$	8372	23.00	25.00	2.00		(23.77 - 26.21) ~ 11	9	63	.1	3	1
				+ MNR QTZ FRACTURE FILLINGS. ← BLOCKY & BROKEN	8373	25.00	27.00	2.00		~25% RECVY 68	29	81	.1	2	1
					8374	27.00	29.00	2.00		(25% RECVY) 18	13	70	.1	2	2

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AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 87-A1

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed	
Purposes	Drilled by	Assays by	Logged by			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width		Cu	Pb	Zn	Ag	As	Au
				-22.5 TO 22.8: MINOR DULL GREEN (SERICITIC?) QTZ											
				VEIN FRAGMENTS; LOCALLY VUGGY W/ RUSTY HAIR						CU	PB	ZN	AG	AS	AU
				LINE FRACTURES.											
				29.-29.5: MINOR QTZ VEIN FRAGMENTS W/ RUSTY	8375	29.00	29.90	0.90	(30% REC'Y)	30	11	79	.2	6	3
				LIMONITIC FRACTURES; SIMILAR IN APPEARANCE TO QTZ											
				@ 18.35-18.65.											
				* NOTE - 28.35 - 29.87 ~ 30% RECOVERY											
				26.5-26.8: 2% subhedral py + possible sph in											
				fractures + altered tuff											
				contact fairly sharp ⊥ to 80° to CA.											
29.90	30.33	88	.35	ALTERED TUFF	8398	29.90	30.33	0.43		57	10	53	.4	9	2
				Yellowish to reddish buff brown, finegrained,											
				strongly limonitized or Fe carbonatized + weakly chloritized. Moderate											
				foliation @ 75° to C.A., with 20% ~1mm chloritized											
				plag (?) xtals, @ 1% ~1 mm py xtals.											
				Cloudy white qtz veins up to 8mm, often discontinuous											
				+ Z by foliation. Largest vein varies from											
				11 to 35° to C.A., Dominant fracture 20° to C.A.;											
				weak carb.											
				Gradational											
30.33	31.85	98	.31	FRACTURED + ALTERED LITHIC LAPILLI TUFF											
				Brownish green to dark green; grades from											
				moderate limonitization into strong silicification,											
				with weak carb along fractures. May be											
				partially brecciated; moderate pervasive chloritization											
				throughout. Lapilli fragments of heterolithic volcanics.											
				Several qtz-chl bands (@65° to C.A.) one of which is											
				offset 1cm by a fracture. Lim or chl											
				along most fractures. Trace py											

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 87 A1

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed	
Purposes	Drilled by	Assays by	Logged by			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	CU	PB	ZN	AG	AS	AU
				- 30.33 to 30.67 : Up to 1cm white qtz veins, X cutting veins, probably 2 generations. Lim haloe around fractures.	8399	30.33	30.67	0.34	28	6	74	.2	4	1
				- 30.67 to 30.98 : Strong sil with qtz-carb veinlets & irregular fracture filling	8400	30.67	30.98	0.31	45	7	65	.6	7	1
				- 31.48 to 31.78 : Chl-qtz-carb ± py bands.	8401	31.48	31.78	0.30	51	8	62	.4	5	1
				Gradational										
31.85	44.86			LITHIC LAPILLI ANDESITIC TUFF										
				Dark green to grey green; heterolithic										
31.85	33.6	90	.34	fragments - fine grained flows, + tuffs; porphyritic										
33.6	36.2	82	.49	flows, (felsic volcanics) + zoned bombs (up to 65 mm). Occasional										
36.2	36.8	90	.60	qtz ± carb vein, up to 6mm wide, commonly										
36.8	41.8	90	.64	20-30° to C.A. Carb ± qtz tension										
41.8	44.86	85	.47	fracture filling. Minor lim +/or wad along										
				fractures. Weak to moderate pervasive chloritization, occasional silicified or strongly chloritized band.										
				- 33.6 - 33.75 : Blocky core grading into limonitized + chloritized clayey fracture										
				- 35.3 - 35.81 : Siliceous band, with qtz-chl fractures (?) 80-85° to C.A. Upper contact @ 88° to C.A.										
				- 40.4 - 40.97 : Several 5 cm felsic porphyritic to massive flows interbedded with lapilli tuff + a fine grained andesitic flow. Weak foliation + contact @ 45-50° to C.A.										

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 87-A1 Page 4 of 12

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed	
Purposes	Drilled by	Assays by	Logged by			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
				- 41.46 to 41.55 & 43.58 to 43.8 ; Black to grey green, felsic (black rhyolite) porphyritic flows with plag laths ± 3mm.				
				- 41.8 to 44.86 ; Becomes lighter green, & more limonitized (weak) toward base. Moderately foliated @ 53° to C.A.				
				Sharp				
44.86	45.13	~65	0	SHEARED & ALTERED INTERMEDIATE VOLCANIC	8902	44.86	45.13	0.27
				Yellowish light to buff brown with green tint; contact @ 20° to C.A.; soft, very well foliated; moderate carbonatization, limonitization & sericitization(?) - potential argillic alt. as well ?				
				Sharp				
45.13	47.93			ALTERED INTERMEDIATE TUFFS				
45.13	46.2	56	13	Light or buff yellowish green ; variably				
46.2	47.93	86	.37	altered ; grades from moderate limonitization, sericitization, into weak carbonatization, to weak to moderate chloritization. Patchy silicification occurs throughout. Relict lapilli tuff bands (45.95, 47.1) silicified flow breccias (47.95). Strong limonitization along fractures with fractures decreasing with depth				
				- - - Gradational - - -				

Cu	Pb	Zn	Ag	As	Au
9	10	61	.2	3	3

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DIAMOND DRILL LOG

HOLE No. 87-A1 Page 5 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
47.9	50.59	73	.28	INTERMEDIATE (ANDESITIC) LITHIC LAPILLI TUFF Green to dark green, moderately chloritized & in places silicified; fragments commonly ≤ 3cm, heterolithic w/ @ 75% tuff, 20% porphyritic flows & 5% altered granitoids. Scattered tension fracture qtz veins & minor limonite along fractures sharp ?				
50.59	52.4	59	.08	INTERMEDIATE (ANDESITIC) TUFF & LAPILLI TUFF Light brownish/yellowish green grading into pale green. Sheared & altered lapilli tuff grading into & interbedded with a fine grained tuff. Foliation at contact @ 55° to C.A. Most of unit blocky & broken. Occasional qtz vein(?) or sweat. Alteration grades from moderate limonitization into chloritization. Some of the tuffs may be non to weakly porphyritic flows				
				Gradational				
52.4	61.4	55	.07	INTERMEDIATE (ANDESITIC) LAPILLI TUFF Dark green, medium to fine grained lapilli; moderate chloritization ≤ 5% granitoid fragments. Predominantly blocky core, occasional qtz-carb ± lim or hematite ≤ 2mm vein usually as tension fracture filling. 52.6 – 53.1 56.89 – 59.0, 59.4 – 60.0 very block core.				
61.4	61.67	85	.59	INTERMEDIATE (ANDESITIC) PORPHYRITIC FLOW Dark green, fine grained 20% 1-2mm plag, 10% 1mm chlorite altered xtals.				

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
61.67	67.84	96	.75	INTERMEDIATE (ANDESITIC) LAPILLI TUFF				
				Contact @ 62° to C.A., Dark green, medium to coarse lapilli fragments w/ occasional bomb (up to 130 mm). @ 1% generally coarse 1 cm altered granitoid fragments, moderate chloritization throughout. Few fractures, qtz-carb ± lim-goethite infilling; ⊥, 70°, 20° most common.				
				- 66.02 - 66.15 Feldspar porphyritic andesitic flow (as 61.4 - 61.7).				
				sharp 72° to C.A.				
67.84	69.14	95	.81	INTERMEDIATE (ANDESITIC) FLOWS & TUFF (?)				
				Dark green, fine grained porphyritic, 5% ≤ 1mm plag laths, ~15% mafic-chlorite altered xtals, moderate to strong chloritization. Few scattered q.v. & fractures.				
				sharp ~80° to C.A.				
69.14	74.20	96	.52	INTERMEDIATE (ANDESITIC) LAPILLI TUFF				
				Dark green, moderately chloritized, in places weak epidotization & moderate silicification. Ave fragment size 8 mm, with bombs up to 60 cm; < 1% granitic fragments. Sparse fractures, << 1mm common, with qtz, qtz ± carb or lim ± carb infilling. Extent & orientation variable.				
				- 70.05 to 70.23 ' moderately magnetic, amygdaloidal (?) andesite (basalt); amygdules epidote rimmed w/ chlorite ± qtz centre				

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	CU	PB	ZN	AG	AS	AU
				-71.05 : Epidote & albitized(?) breccia [illegible] 65° to CA										
				-71.33 - 71.64 : Silicified lapilli tuff w/ 35% angular fragments. Fragments appear darker against matrix.										
				Sharp 28° to C.A.										
74.20	74.53	92	0	SHEARED & BRECCIATED LAPILLI TUFF	8403	74.20	74.53	.33	24	10	90	.3	6	1
				Dark green broken core & mud grading into broken core. Moderate carb alt. especially along fractures. Weak lim & hem.										
				Gradational										
74.53	77.40	87	.52	INTERMEDIATE (ANDESITIC) LAPILLI TUFF										
				Dark green; coarse lapilli fragments of porphyritic volcanics + tuff. Weak to moderate chloritization, with qtz ± carb ± lim along sparsely scattered fractures.										
				Gradational										
77.40	79.76	85	.30	FOLIATED TO UNFOLIATED INTERMEDIATE (ANDESITIC) TUFFS (AND FLOWS?)										
				Dark green to pale brownish green; grades into then out of stronger foliated bed. Fine grained, moderately chloritized w/ 10% q.v. and/or fractures. Trace to 2% py										
				-78.24 - 78.83 : Moderately foliated - @60° to C.A., moderate sericitic + chloritic alteration with irregular qtz-carb-chl ± hem ± lim veins up to 1cm wide. Weak, spotted, argillic alteration in strongest sericitic	8404	78.16	78.83	0.67	21	17	68	.3	5	2

DIAMOND DRILL LOG

HOLE No. 87-A1 Page 8 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
				altered zone, 2% py adjacent to qtz in veins. Sheared bx at 78.30				
				— — Gradational — —				
79.76	81.8	81	.68	INTERMEDIATE (ANDESITIC) LAPILLI TUFF				
				Dark green with green matrix, 50% angular chloritized tuff fragments in a moderately chloritized matrix. Interbedded with up to .3m tuffs. Moderately well fractured, 35° & 65° to C.A. dominant, with chlorite ± qtz ± carb ± lim infillings.				
				— — Gradational — —				
81.8	89.46			INTERMEDIATE (ANDESITIC) TUFFS & FLOWS				
81.8	87.0	95	.50	Dark green, fine to very fine grained,				
87.0	89.46	41	.21	occasionally porphyritic with ≤ 7% ≤ 1mm plag phenocrysts. Moderate chloritization, & minor weak epidotization. Few fractures, usually limonite infilling.				
				86.3 - 86.7: very fine grained, well fractured, with ≤ 3mm carb ± qtz veins & occasional thin lapilli band				
				88.0: 1.5cm chloritized g.v. bx.				
				87.0 - 89.46 Blocky core				
				— — — — —				
89.46	89.61	100	.80	INTERMEDIATE (ANDESITIC) LAPILLI TUFF				
				Dark green, chloritized, 40% porphyritic lapilli fragments.				
				Sharp 40° to C.A.				

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
89.61	96.35	53	0	FRACTURED CLAY RICH - BRECCIATED (?)	8405	89.61	90.21	0.60	46	3	77	.4	8	1
				INTERMEDIATE (ANDESITIC) LAPILLI TUFFS,	8406	90.7	91.81	1.11	37	13	71	.4	8	1
				CRYSTAL TUFF AND FLOWS.	8407	92.0	93.10	1.00	47	18	76	.4	7	1
					8408	93.0	94.18	1.18	35	13	93	.4	6	2
				Dark green broken core often supported by clay mud or fragment matrix. Moderate chloritization, weak to strong carbonatization, weak - patchy limonization. Scattered qv. ≤3mm. - 90.83: 2cm vuggy calcite vein										
—	—	—	—	— Gradational —	—	—	—	—	—	—	—	—	—	—
96.35	99.45	69	.59	INTERMEDIATE PORPHYRITIC FLOWS & CRYSTAL TUFF										
				Dark brownish green, moderate chloritization weak carb, weak limonitization. 1% carbonate veins or fracture filling										
—	—	—	—	— Gradational —	—	—	—	—	—	—	—	—	—	—
99.45	103.05	74	.24	MODERATE TO STRONGLY ALTERED INTERMEDIATE LAPILLI TUFF & TUFF.										
				Brownish green to brown; moderate to strongly Fe carbonate altered; mod carb & lim along fractures, moderate pervasive chloritization. Generally highly fractured &/or broken core. Core rubble - 99.45 - 99.7, 99.8, 100.6 - 100.9, 102.41 - 103.05. Abundant (35%) qtz ± carb ± lim veins,										
				- 100.0 - 100.56 10% Qtz - carb ± lim breccia "veins" (±1 cm thick). Irregular orientation - 75° & 65° main "veins".	8409	100.1	100.56	.46	13	14	78	.1	26	4
				- 102.41 - 103.05 Altered hanging wall	8410	102.41	103.05	.64	18	16	192	.1	2	2

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Property	NTS	Claim	Elevation	Azimuth	Length	Dip
Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed	
Purposes	Drilled by			Assays by	Logged by	

Interval (m) From	To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	To	Core Width
		—	—	— — — — sharp — — — — —				
103.05	114.98			SILICIFIED & SERICITIZED RHYOLITE DYKE				
				LIGHT GREENISH-GREY, PORPHYRITIC; 15% FLAG. PHENO-CRYSTS IN A STRONGLY SILICIFIED & MOD. SERICITIZED APHANITIC MATRIX. PHENOS. COMMONLY ALT'D TO SERICITE, INCREASE IN SIZE (UP TO 2mm) AND NUMBER TOWARD F.W., QTZ VEINS & VEINLETS UP TO 1cm OCCUR PREDOMINANTLY ADJACENT TO THE H.W., WELL FRACTURED W/ LIMONITE INFILLING & ALTN. HALO. Minor (<1%) diss. & fine grained py				
		94	0.10	-103.05 to 104.20; Light greenish grey to greenish grey strongly fractured, qtz veined &/or brecciated silicified rhyolite below sharp hanging wall contact. Brecciation defined by small xtalline grey to white qtz (commonly <3mm) veinlets or variations in intensity of alteration. Silicification & sericitization pervasive, but sericitization often more intense along fractures as halos around certain vein(lets) or in patches. Porphyritic texture weak. Limonite &/or hem along fractures. Fractures commonly 25-45° to C.A., but variably, and often open space tension gashes	8376	103.05	103.33	0.28
					8377	103.33	104.20	0.87
		56	0	-104.20 to 105.46; Dark grey to brownish grey unconsolidated mud with dark green (often epidotized) diorite (?) rx frag. Weak carb.	8378	104.20	105.46	1.26
		48	0	-105.46 to 106.62; Light greenish grey, porphyritic strongly silicified & sericitized; Blocky recov'y w/ lim infilling along fractures. Trace py within rhy or qtz. Qtz veins to 1cm irregular.	8379	105.46	106.00	.54
					8380	106.00	106.62	.62

	Cu	Pb	Zn	Ag	As	Au (ppb)
	11	22	23	.3	7	3
	3	23	7	.3	7	4
	90	18	119	.2	2	1
	4	39	8	.2	4	5
	11	13	22	.4	5	2

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AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 87-A1 — Page 1 of 12

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
MIDNIGHT GULCH		JL				

Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed

Purposes	Drilled by	Assays by	Logged by
	CARON	ACME	AI MONTGOMERY & HUGH MACKINNON

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
		67	0.05	– 106.62 to 109.00 ; Greenish grey, more strongly sericitized than overlying rx. Strong lim along & surrending fractures ; 5°, 87°, 50°, 6° to C.A. dom dip. V. small q.v. generally increase in # with depth ; ⊥, 85°, 76 to C.A.	8381	106.62	107.5	0.88	18	21	32	0.2	33	8
					8382	107.5	108.27	0.77	22	68	86	0.1	56	4
					8383	108.27	108.6	0.33	(Not split, test for Au in fractures) 46, 49, 93, 4.3, 14					
					8384	108.6	109.0	0.4	40	29	63	0.3	39	7
		80	0	– 109.00 to 109.88 ; Greenish grey, qtz vein stockworked. Veins up to 1cm, ave. 5cm. 1% Py (1mm), mostly weathered away ; few fresh all anhedral ; subcal relict pits	8385	109.0	109.4	0.4	32	32	21	0.8	46	58
					8386	109.4	109.88	0.48	25	31	24	0.4	32	5
		70	.19	– 109.88 to 113.74 ; Pale greenish grey to greenish grey. Strong to moderate sericitization, both pervasive & as feldspar alteration. Strong limonite alteration halos. Scattered <2mm q.v. generally at a low angle (10-20°) to C.A. Very blocky fracture & broken core 111.0 to 111.55, & 112.1 to 112.40. 2% py diss & in 3mm q.v. & vuggy chy 110.67 to 111.0.	8387	109.88	110.67	0.79	34	48	20	0.6	23	10
					8388	110.67	111.0	0.33	20	85	21	0.9	43	19
					8389	111.0	111.55	0.55	28	37	38	0.5	26	12
					8390	111.55	112.30	0.75	37	32	42	0.7	62	13
					8391	112.30	113.74	1.44	25	238	49	1.0	16	17
		95	.45	– 113.74 to 114.07 ; Pale greenish grey, porphyritic with 2-3mm plag phenocrysts less sericitized than those overlying ; Up to 2% euhedral to subhedral py as diss or along fractures. Generally more massive than previous chy.	8392	113.74	114.07	0.33	24	34	25	0.3	13	11
		92	.29	– 114.07 to 114.48 : Pale greenish grey to pinkish brown or brown. Sharp but irregular contact marked by partially chloritized & strongly silicified porphyritic chy. Qtz veinlets are sparse, lim & chlorite fill irregular vuggy fractures ; ~1% subhedral 1mm py. Contact bxn as indicated by several altered to unaltered 1–4cm mafic/intermediate angular volcanic clasts. Contact angle ⊥ to C.A. but variable	8393	114.07	114.48	0.41	25	25	86	0.4	10	14

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Property	NTS	Claim	Elevation	Azimuth	Length	Dip
MIDNIGHT GULCH		JL				

Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed

Purposes	Drilled by	Assays by	Logged by
			A.M. & H.M.

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
114.98	115.66	66	0.49	SHEARED ANDESITIC CRYSTAL	B394	114.98	115.21	0.73	6	12	105	0.4	9	3
				TUFF	B395	115.21	115.66	0.45'	5	7	94	0.2	5	1
				Dark greenish brown, very well foliated 25° to C.A., pervasive moderate limonitization, silicification & chloritization. Fine grained to very fine grained with porphyritic or tuffaceous nature becoming more apparent with distance from contact. Several (14.56 & 14.64) nearly ptygmatic carb-chl-lim (+ py) veins or fracture fillings, with trace py.									
				- 114.78 - 114.92 : As 114.07 to 114.48										
				— — — Gradational Contact — — —										
115.66	117.95	88	0.98	ANDESITIC CRYSTAL TUFF	B396	115.66	116.85	0.99	11	11	62	0.4	3	1
					B397	116.85	117.45	0.60	15	10	90	0.2	5	3
				Yellowish or brownish dark green to dark green. Variably altered & occasionally weakly sheared. Ave. crystal size 1.5mm, with no preferred orientation. Moderately chloritized, with slight increase in alteration with depth. Irregular fractures filled with carbonate and/or limonite or qtz. General fracture trends 95°, 35°, & 85° to C.A.. Trace py in fractures. Slight (1mm) oxidized of some fractures.									
				- 116.85 - 117.95' : Slightly more fractured & patchy altered; more limonitization										
117.95	/B87'			E.O.H.										

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DIAMOND DRILL LOG

HOLE No. 87-C1 —

Property: ISLAND MINING – MINING CORP. | NTS: 105 D2 | Claim: JL | Elevation: | Azimuth: 180° | Length: 472' | Dip: −55°

Coordinates: | Dip Tests: – NOT TAKEN | Advance: 270.7' | Depth: 386.6' | Date Collared: JULY 24 | Date Completed: JULY 31

Purposes: TEST SOIL ANOMALY ZONE (VELOCITY?) | Drilled by: CANON | Assays by: ACME | Logged by: A. MONTGOMERY

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (PPB)
0	5'			O/B										
5'	23'	48%	.17	DARK GREEN LAPILLI TUFF										
	7.0'	TO 16.5'												
		15%		DARK GREEN APHANITIC MATRIX ENCLOSING FRAGMENTS										
		16.5' to 23'		OF VARIOUS LITHOLOGIES; OFTEN BLACK APHANITIC OR										
				DARK GREEN W/ FELDSPAR PHENOS; 1mm – 40mm										
				ON AVG; GENERALLY SILICIOUS (SILICIFIED?);										
				LOCALLY CHLORITIC & CALCITIC / FeOx FRACTURE										
				COATINGS; MINOR CALCITIC & EPIDOTE STRINGERS.										
				5'-7'; SERICITIC ALT'N & ELONGATION										
				OF FRAGS. (WELDING?) @ ~50° TO C.A.										
				* GROUND & BROKEN CORE FROM 16½' – 26½'										
23'	72.5	36%	.00	ALT'D DULL GREEN TO PALE BROWN LAPILLI TUFF										
	(22.0m)	TO 26'	TO 26'											
				BROKEN & BLOCKY SERICITE / FeOx ALT'D TUFF;										
		70%	.00	FRAGMENTS COMMONLY 1mm ~ 40mm OR NOT PRESENT;										
		26'-36'	TO 28.5	WHERE FRAGMENTS PRESENT ELONGATION (WELDING?)										
				@ 40° – 50° TO C.A.; RARE DISSEMINATED PY (<0.1%)										
		17%	.15											
		36'-61'	28.5-72.5	23'-29.0' – DULL BROWN V. FINE GRAINED W/	8535	23'	28.5'	3'	10	9	85	.3	6	1
				MINOR QTZ? PHENOS, <1mm, MINOR CALCITIC			(8.9m)	(LOST CORE)						
		78%	.13	24 – 27.0' BROKEN & BLOCKY W/ ROUNDED FRAGMENTS										
		FROM 61 86+	72.5-80	29.0'-35.5' – LIGHT TO DULL GREEN CORE	8536	29.'	35.0	5.5'	22	8	84	.4	2	2
				V. FINE GRAINED ~ ANDESITIC; FeOx STAINING		(8.84m)	(10.67m)							
	? TAGS MISSPLACED	120%	.39	LOCALLY, ABUNDANT X-CUTTING CALCITIC VEINLETS	8537	35.0	36.0	1'	42	13	72	.4	8	2
		86'-91'	80-86	LOCALLY, FINE GRAINED ROCK FRAGMENTS LOCALLY			(10.97m)							
				30.0 MINOR ORE? W/ CALCITIC MATRIX										
			.14	35.5' – 72.5' BROWN TO BROWNISH-GREEN	8538	36.0	51.0	4' (LOST CORE)	9	11	71	.3	2	3
			86-88.5	FeOx & SERICITE ALT'D. FRAGMENTS 1mm – 410mm;			(15.54m)							
				SHEARED @ 30° – 50° TO C.A.; ABUNDANT RUSTY CALCITIC										

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (ppb)
				VEINLETS (<2mm) LOCALLY										
				35.5 - 35.7 - GOSSANOUS GRITTY CLAY SEAM W/										
				1/ MM QTZ FRAGMENTS										
				* ~36 - 41' <20% REC'Y } GROUND CORE										
				41' - 51' 17% REC'Y										
				51' - 61' ~20% REC'Y										
				BETWEEN 51' - 61.5' CORE LOCALLY RUBBLY W/	8539	51.0	62.5	5'	7	7	69	.3	2	1
				ROUNDED RUBBLES			(19.05m)	(LOST CORE)						
				61.5 - 62.5 - FELSIC PORPHYRITIC FLOW FRAGMENTS (?)										
				1/ TO 6cm										
				50.5 - ~ 0.5% PY STRINGERS ~40° TO C.A.										
				71.0 - 72.5 - GRITTY, CALCITIC SOIL ALONG FRACTURE,										
				ABUNDANT FeOx STRINGERS (FROM ~ 68.5' - 72.5)	8540	68.5	72.5	4'	5	18	95	.4	6	2
						(20.88m)	(22.10m)							
72.5	79.5			ALTERNATING FELSIC PORPHYRITIC FLOW / ALT'D LAPILLI TUFF										
	(24.23m)													
				DARK GREY FELSIC FLOW (FLOW BANDS MAY OR										
				MAY NOT BE PRESENT) W/ ~ 4% WHITE										
				FELDSPAR PHENOCRYSTS ~2mm DIA., IRREGULARLY										
				INTERBEDDED W/ DULL GREEN - BROWN LAPILLI										
				TUFF (SIMILAR TO ABOVE UNIT) LOCALLY SILICIFIED,										
				MUDDY & CLAY/SERICITE GOUGE ZONES 10cm - 15cm										
				(BROKEN CORE) (74.6 - 75.6')	8541	74.6	75.6	1'	18	41	81	.3	6	3
				* NOTE CONTACTS SHOW FELSIC FLOW POST-DATES		(22.74m)	(23.04m)							
				TUFF.										
79.5	97.0'	80%	.56	DARK GREEN (ANDESITIC) LAPILLI TUFF / MNR PORPHYRITIC										
	(29.57m)	91-96	88.5-96.0'	ANDESITE (XSTL TUFF?)										
				DARK GREEN TUFF W/ FRAGMENTS 1mm - ~60mm										
				DIA. (DARK GREEN & DARK GREY APHANITIC & PORPHYRITIC,										
				MINOR SALMON APHANITIC SILICIOUS FRAGMENTS);										
				STRAIN ~ 50° TO C.A., CALCITIC STRINGERS										
				LOCALLY (28-30° TO C.A.); INTERBEDDED PORPHYRITIC										
				ANDESITE (SERICITIZED PLAG. PHENOS. TO 2mm) - SILICIFIED										
				WEAKLY MAGNETIC.										

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (ppb)
				79.5 - UPPER CONTACT IRREGULAR ~20° TO C.A.?										
				81.6 - 83.4 - SILICIFIED ANDESITIC PORPHYRITIC UNIT										
				[illegible] CONTACT W/ TUFF; UPPER CONTACT IRREGULAR,										
				LOWER CONTACT ~80° TO C.A.										
				83.4 - 86.0 - TUFF										
				86.0 - 87' - BROKEN/BLOCKY RUBBLE W/ GRITTY	8542	86.0' (26.21m)	87.0' (26.52m)	1'	24	13	86	.3	2	1
				DUSTY SOIL & HIGHLY ALT'D (SERICITE) TUFF FRAGS.										
				(GROUND CORE - RUBBLE RECOVERY)										
				87' - 88.5 - TUFF W/ MNR AGGL. FELSIC FLOW										
				~88.5 - 89.5 - GRITTY SOIL W/ RUBBLY, ROCK FRAGS.	8543	88.5	89.5	1'	37	16	87	.2	5	2
				89.5 - 97' - TUFF ALT'D		(26.97m)								
				89.8 - 92.0 - 2% CALCITE STRINGERS TO 1cm (IRREGULAR)	8544	89.8	92.0	2.2'	5	9	77	.4	4	1
				96.0 - 97.0 - CALCITE STRINGERS & SHEARING (~60° TO C.A.)	8545	96.0	97.0	1'	10	11	75	.3	5	2
97.0	109.5 (21.3m)	60% 96-102	.11 96-107.5	F.GRAIN - WEATHERED FINE GR. FELDSPAR PORPHYRY	8546	97.0	104.5 (31.86m)	7.5'	24	10	76	.5	2	1
				TAN GREEN TO GREENISH BROWN V. FINE - FINE										
				GRAINED ± VISIBLE FELDSPAR & MNR QTZ PHENOS.;										
				NO STRUCTURE NOTED, MINOR BUSTY CALCITE STRINGERS										
				@ 15° & 30° (OBLIQUE TO EACH OTHER) TO C.A.; MINOR										
				FeOx ALONG FRACTURES; SERICITE & Fe-CBNT (?) ALT'N										
				PERVASIVE. UPPER CONTACT BROKEN, LOWER CONTACT ~										
				50° TO C.A.; LOCALLY RUBBLY & BROKEN.										
104.5	125.0	71% 102-120	.24 107.5-120.0	ALT'D LAPILLI TUFF W/ MNR INTERBEDDED FELSIC										
				PORPHYRITIC FLOW										
			.56 1200-125.5	DULL GNFF-GREEN SHEARED TUFF W/ MULTI-LITHIC										
				FRAGS <1mm->4cm STRAINED @ 50° TO C.A.; LOCALLY										
				BLOCKY & BROKEN W/ MNR GRITTY GOUGE, PERVASIVE										
				SERICITE / FeCBNT ALT'N; MNR IRREGULAR CALCITE										
				STRINGERS,										
				INTERBEDDED FLOW-BANDED PORPHYRITIC FELSIC FLOW										
				(TUFF?), TAN (Fe-CBNT ALT'D) & GREY W/										
				FELTING PHENOS 2mm - 3mm & IRREGULAR BANDING.										
				104.5 - 107.0 - BROKEN & SHEARED W/ FeOx ON FRAC & GRITTY GOUGE;	8547	104.5	107.0	2.5' 70% REC'Y	10	6	62	.4	3	091991
				MNR IRREG CALCITE STRINGERS.										

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (ppb)
				[illegible] - [illegible] - 1% [illegible]	85[illegible]8	[illegible]	[illegible]	1.7'	[illegible]	5	65	.3	2	2
				[illegible]		(33.22m)	(33.83m)							
				113.1 - 116.1 - INTERBEDDED TUFF [illegible]	8549	113.1	116.1	3.0'	19	17	57	.6	2	2
				[illegible] ± Fe CARB ALT'N, CONTACTS V. IRREGULAR.		(34.49m)	(35.39m)							
				MUDDY GOUGE AT 106.1										
[illegible]	172.0	94%	.33	GREY-BUFF PORPHYRITIC FELSIC FLOW W/ MNR LAPILLI										
	(52.43m)	120-164	125-149.5	TUFF										
		77%	.70	BUFF TO DULL [illegible] GREENISH-GREY FELSIC										
		164-180	149.5-168.3	FLOW W/ [illegible] IRREGULAR FLOW										
				BANDING AND FELDSPAR PHENOS (2mm-3mm)										
			.12	[illegible] WELL COLLORED, MINOR INTERBEDDED										
			168.3-180.0	GREEN-BROWN ALT'D LAPILLI TUFF W/ STRAIN ~										
				60° TO C.A. (FLOW BANDING 30°-70° TO C.A.)										
				FLOW LOCALLY STRONGLY FRACTURED ± QTZ-PY (0.1%)										
				STRINGERS (1mm WIDE), SERICITIC ALT'N ALONG										
				FRACTURES.										
				126.0-127.0 - BROWN GRITTY SOIL W/ RUBBLY ROCK										
				SOIL FIZZES W/ HCl										
				125.5 - 128.0 - 0.1% QTZ-Fe CBNT STRINGERS W/ 0.1%	8550	125.5	128.0	2.5'	10	11	39	.6	4	1
				PY X-CUTTING FLOW BANDING		(38.25m)	(39.0m)							
				146.8 - WHITE QTZ/Fe CBNT PATCH & VEINLET (NO SULPHIDES)	8551	146.5	147.5	1'	23	12	23	.4	3	1
				MINOR QTZ/Fe-CBNT ^ 2cm × 1cm		(44.65m)	(44.96m)							
				STRINGERS IN ADJACENT ROCK. LAPILLI										
				163.3 - 164.9 - ALTERNATING DULL GREEN TUFF &	8552	163.3	167.5	4.2'	10	11	62	.1	4	4
				SILICIFIED PORPHYRITIC (FELDSP. PHENOS 1mm) (TUFF?)		(49.77m)	(51.05m)							
				CONTACTS 50° TO C.A. OR IRREGULAR										
				164.9 - 167.5 - DARK GREEN, FINE GRAINED ANDESITE,										
				W/ MINOR MED. GRAINED CLASTIC (FRAGMENTS?).										
				CLEAN CALCITE STRINGERS @ 40° TO C.A. (FLOW?)										
				LOWER CONTACT ~35° TO C.A.										
				148.0 - 149.0 - BROKEN / HIGHLY FRACTURED TUFF	8553	148.0	149.0	1'	10	11	35	.5	5	1
				W/ CALCITE VEINLETS & ASSOCIATED GOUGE.		(45.11m)								

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Interval From	Interval	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Mo (PPM)
				ALT'D										
172.0	174.0			DULL GREEN - BROWN FAINTLY LAMINATED FINE GRAINED										
				PYRO[illegible] - CLASTIC [illegible] (XSTL TUFF ?)										
				BROWN TO GREEN-BROWN FINE GRAINED HETEROGENEOUS										
				MATRIX W/ 1% ELONGATE (ALT'D FELDSPAR ?) PHENOS.										
				LAMINATION @ 70° TO C.A., CONTACTS BROKEN										
14.0	177.0			DULL BROWN SILICIOUS FELDSPAR PORPHYRY (SILICIFIED	8554	179.0	178.0	1'	14	11	53	.2	7	1
(53.95M)				EQUIVALENT OF ABOVE?)		(53.04M)	(53.34M)							
				BROWN FINE GRAINED MATRIX W/ SERICITIZED										
				FELDSPAR PHENOS (1mm - 2mm) WEAKLY										
				ORIENTED @ 60° - 70° TO C.A.; MUDDY GOUGE										
				PELLEL @ UPPER CONTACT, CONTACTS BROKEN.										
177.0	178.0			DULL GREEN PYRO-CLASTIC (XSTL TUFF?)										
				SIMILAR TO 172 - 174 BUT GREENER										
				COLOUR PHENOS. LESS VISIBLE.										
178.0	183.5	64%	.08	ALT'D LAPILLI TUFF W/ MNR FELSIC PORPH. FLOW										
	(55.93M)	180-191	180-179											
				V. BLOCKY BROKEN DULL GREEN to BROWN;										
				FRAGMENTS (<1mm - 10mm) COMMONLY DULL										
				BROWN Fe-CBNT/Fe-OX. ALT'D, WEAK										
				ALLIGNMENT ~50° TO C.A.; GREY FINE GR. MATRIX W/										
				2mm-3mm BLEACHED FELDSP. PHENOS. @ 50° TO C.A.										
180.0				* REDUCED TO NQ CORE (BAD GROUND)										
183.5	188.0			DULL BROWN SILICIOUS FELDSPAR PORPH	8555	183.5	188.0	4.5'	3	11	26	.5	.5	2
	(57.30M)					(55.93M)								
				DULL BROWN TO GREEN GREEN SILICIOUS										
				V. FINE GRAINED MATRIX (ABUNDANT RUSTY										
				FE-CBNT; ALT'N SPECS.) W/ .1mm - 2mm										
				WHITE FELDSPAR ± RARE QTZ PHENOCRYSTS;										
				[illegible] FINE LINE FRACTURED W/ MINOR SERICITE										
				SEAMS. CONTACTS BROKEN, MINOR SHOE-STRING										
				QTZ VEINS.										

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au (ppb)
189.0	200.0	40%		ALT'D LITHIC TUFF W/ MINOR FELSIC FLOWS	B 556	197.7	200.0	2.3'	6	15	114	.2	7	1
	(60.9cm)	191-196				(60.26M)								
		29%		DULL GREEN BROWN TUFF AS 178-183.5 W/										
		191-196		FAINT V. FINE GRAINED DULL GREEN-BROWN										
				CLOUDS (FLOW?), FE-CBNT ALT'D SPECS										
				THROUGHOUT										
				* CORE V. BROKEN & COMMONLY RUBBLE FROM 180'-199'										
				ABUNDANT (1%-2%) IRREGULAR RUSTY QTZ & QTZ-CALCITE STRINGERS & PATCHES (<1cm) FROM ~197.7 TO LOWER CONTACT; MINOR MUDDY SHEARING.										
200.0	203.7	95%	.63	SILICIOUS FELDSPAR PORPHYRY / FINE GRAINED PYROCLASTIC (XTL TUFF?)										
	(62.9cm)	198-229.9	199-227.9		B557	200.0	203.7	3.7'	9	13	110	.4	7	18
				SIMILAR UNITS RESPECTIVELY TO 174 & 177 & 172-174'; LAMINATION & CONTACTS ~ 55°-60° TO C.A.; MINOR CALCITE & QTZ-CALCITE STRINGERS (± RARE PY) ALONG BEDDING & LATER QTZ-FE CBNT STRINGERS @ 60° TO C.A. ABUNDANT (~2%) TOWARDS UPPER CONTACT; UPPER CONTACT IS DEFINED BY SHEAR GOUGE & A 2 cm QTZ-CALCITE VEINLET ALONG BEDDING; LOWER CONTACT GRADATIONAL.										
203.7	223.7			DARK GREEN ANDESITIC LAPILLI TUFF										
	(68.18M)													
				DARK GREEN V. FINE GRAINED MATRIX COMMONLY SILICIFIED W/ DARK GREEN-BLACK SIL'EOUS FRAGMENTS (<1mm - 40mm), STRAIN WEAK OR NOT NOTICABLE @ 50° TO C.A.; MINOR INTERBEDDED DARK GREY FELSIC PORPHYRITIC FLOW & DARK GREEN F. GRAINED ANDESITE; MINOR QTZ-CALCITE STRINGERS & VEINLETS THROUGHOUT; TUFF COMMONLY BRECCIATED & FE-CBNT ALT'D & MORE STRONGLY STRAINED WHERE VEINING MORE ABUNDANT (>1%) EG. 208.2'-209.4'	B558	208.2	210.4	2.2'	17	19	77	.3	6	1
				210.2'-210.4' - BRXX W/ YELLOW QTZ-CBNT MATRIX		(63.46M)	(64.13M)							
				??? PALE GREEN SERICITIC TUFF?, SHEARED ON LOWER										

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DIAMOND DRILL LOG

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
223.7	237.1 (72.36m)	0% 229.7-231	.00 229.7-239.6	INTERBEDDED FELSIC PYROCLASTIC ROCK / ALT'D LAPILLI TUFF										
		65% 231-234	23	GRN TO GY, V. FINE GRAINED, STRONGLY FLOW BANDED (AT CONTACTS), PORPHYRITIC (WHITE FELDSPAR PHENOS. 1m.-2mm), RARELY; DISTINCT CRIMSON (STAINING?) COMMON IN F.G. ALT'D & FRESH (DARK GREEN & SILICIFIED) MATRIX										
		40% 231-234		LAPILLI TUFF & MINOR FINE TUFF (ANDESITE) AS ABOVE UNIT COMPRISE ~ 30% OF SECTION.										
				231-236 - CORE V. BROKEN & LOCALLY RUBBLE OR MUD	8559	231.0 (70.41m)	237.4	6.4'	32	40	76	.4	2	1
				* NOT RELATIONSHIP BETWEEN FLOW & TUFF NOT CLEAR AS TUFF ENCLOSES BXX'D FLOW YET FLOW ENCLOSES TUFF FRAGMENTS.										
237.4	262.8 (80.10m)	90% 236.0-271.0	.39 239.0-255.5	ALT'D & FRESH LAPILLI TUFF										
			.00 250.5-251.5	RUSTY BROWN TO GREEN, WEAKLY TO MODERATELY STRAINED LAPILLI TUFF W/ MINOR INTERBEDDED FELSIC TUFF & FINE GRAINED ANDESITE. LAPILLI TUFF										
			.52 251.5-255.0	SIMILAR TO TUFF ENCOUNTERED ABOVE; NOTED A PYRITIC (1% FINE DISS.) QTZ FRAGMENT @ 245.6'. IRREGULAR QTZ / Fe-OX & Fe-CBNT VEINLETS (<1cm) LOCALLY,										
			.00 255-256	SANDY OR MUDDY SECTIONS OF CORE. MOD FRESH TUFF & ANDESITE GENERALLY WEAKLY MAGNETIC.										
			.09 256.0-271.0	237.4 - 240.3 - RUSTY WEATHERED LAPILLI TUFF W/ 1-2% QTZ & Fe-CBNT STRINGERS; RUSTY FRACTURE PLANES	8560	237.4	240.3 (73.24m)	2.9'	11	15	99	.2	8	2
				250.5-251.5 - MUDDY SAND (GOOD RECOVERY)	8561	250.5	251.5	1.0'	372	42	276	.6	8	3
				255.0-256.0 - RUBBLE (INCL'D PALE GREEN PLY) LEADING TO LIGHT BROWN CLAY RICH MUD (GOOD RECY)	8562	255.0 (77.72m)	256.0 (78.02m)	1.0'	16	31	90	.3	8	1.1
				258.0 - 258.3 - RUSTY CLAY/CBNT SHEAR IN BROKEN CORE; SIMILAR @ 260.5-261.0	8563	257.8 (78.58m)	261.2 (79.61m)	2.4'	13	10	64	.1	4	1
				262.8 LOWER CONTACT @ 30° TO C.A. (STRAINING @ 30° TO 40° TO C.A.)										

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
262.8	267.0			PALE GREEN RHYOLITE (DYKE?)	8564	262.8	267.0	4.2'	7	26	7	.6	4	<5
	(81.38 m)					8.10								
				PALE GREEN TO BUFF SILICIOUS "RHYOLITE" W/ FAINT										
				FINE GRAINED WHITE FELDSPARS; DISTINCTIVE BRIGHT YELLOW-										
				BROWN Fe OX FRACTURES THROUGHOUT; RARE QTZ VEINLETS										
				(<1cm) & MINOR VUGGY FRACTURES										
267.0	369.0	88%	.44	COARSE TUFF										
	(112.47 m)	272.0–317.0	272.0–316.0											
				DRK GREEN (LOCALLY ALT'D PALE GREEN TO BUFF),										
		50%	.31	COMMONLY SILICIFIED, WEAKLY MAGNETIC, DARK										
		317–319	316.0–324.0	SUB-ANGULAR FRAGMENTS (<4mm) IN A DARK GREEN V. FINE										
				GR MATRIX W/ RARE COARSER FRAGMENTS & ABUNDANT										
		95%	.05	PATCHES (FRAGMENTS?) & SECTIONS OF PORPHYRITIC XSTL TUFF or										
		319–376	324.0–331	MED-FINE GRAINED GRANODIORITE; MINOR CALCITE/QTZ STRINGERS										
				THROUGHOUT; GENERALLY COMPETENT, LOCALLY BROKEN + BLOCKY.										
				267.0 – 271.6 – BUFF COLOURED, STRAINED (50°-60° TO C.A.)	8565	267.0	271.6	4.6'	6	5	52	.2	5	1
				& FRACTURED, Fe CONT & SERICITE? ALT'D TUFF W/ RARE			(82.78 m)							
				CALCITE VEINLETS & RARE FINE GRAINED DISS. PY. BROWN										
				CLAY RICH MUD FROM 267.0 – 267.6										
				296.6 – 297.6 – [illegible]/CALCITE VEINLET (1cm WIDE) 80° TO C.A.										
				& BROKEN SANDY CORE DOWN HOLE TO 297.6										
				315.2 – 320.0 – RUSTY STAINED W/ ~ 1%-2% RUSTY QTZ/	8566	315.2	320.0	4.8'	8	53	94	.1	2	2
				CALCITE STRINGERS, CHLORITE ALT'D, RUBBLEY & BROKEN LOCALLY		(96.07 m)	(97.54 m)							
				329.0' – 331.5 – RUBBLEY BROKEN & BLOCKY, MINOR GROUND CORE										
			*	331' – REDUCED TO BQ CORE										
			.83											
			331.0–369.0	347.0 – 369.0 – COMMONLY COARSER FRAGMENTS										
				= LAPILLI TUFF & LESS SILICIOUS										
				368.3 – 369.0 – PATCHES OF YELLOW APHANITIC RHY	8567	368.0	369.0		5	23	437	.5	6	1
				ENCLOSING TUFF FRAGMENTS; SHEARING AT CONTACT @ 60° TO		(112.17 m)								
				C.A., CONTACT BROKEN.										

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu	Pb	Zn	Ag	As	Au
359.0	395.0	35%	.15	PALE GREEN RHYOLITE (DYKE)										
	120.40m	376.0-378.0	359.5-396.0											
				PALE GREEN, SUBAPHYRITIC (FAINT FELDSPAR PHENOS										
		70%		(1mm)) SILICEOUS QTZ-VEINED RHYOLITE W/ VERY										
		378.0-382.0		DISTINCTIVE BRIGHT YELLOW-BROWN LIMONITIC ALT'N										
				ALONG ± AS HALOS TO FRACTURES (ABUNDANT).										
		70%		DYKE IS BROKEN ± BLOCKY THROUGHOUT; QTZ VEINS										
		382.0-384.0		GENERALLY SHOE-STRING ± UP TO 2cm (RARE); MINOR										
				DISSEMINATED FINE GRAINED PY [redacted] RHYOLITE ± QTZ										
		70%		± RARE COARSE GR. PY IN [redacted] GN IN VEINS,										
		384.0-396.0		MINOR, BOXWORK ± VUGS IN RHYOLITE ± QTZ VEIN THROUGHOUT										
				CONTACT: SHARP BUT BROKEN. * QTZ VEINS WHITE TO YELLOW										
									Cu	Pb	Zn	Ag	As	Au
				369.5 1cm QTZ VEIN W 1% CRS GR. PY @ ~0° TO C.A.	8568	369.0	374.0	5.0'	38	447	276	3.0	25	168
				371.8 1cm QTZ VEIN ~ 11 TO C.A.			(119.00)							
				372.7 1cm QTZ VEIN ~5° TO C.A.	8569	374.0	378.0	4.0'	27	397	116	1.7	25	159
				378.5 - QTZ VEIN (W/TRC GN) FRAGMENTS; TO 2cm WIDE	8570	378.0	379.0	1.0'	15	868	70	3.6	36	220
				382.5 - 3 PARALLEL VEINS <1cm, VUGGY ± MINOR PY, 30° TO C.A.	8571	379.0	384.0	5.0'	40	246	290	1.3	52	147
					8572	384.0	390.0	6.0'	46	666	196	2.3	63	430
					8573	390.0	395.0	5.0'	28	157	193	6.1	44	340
							120.80							
395.0	411.7	38%	.90	ALT'D LAPILLI TUFF/ COARSE TUFF										
	(125.4m)	396.0-400.0	396.0-411.0											
				RUSTY BUFF Fe-CBNT ± SERICITE ALT'D LAPILLI TUFF (TO 400')	8574	395.0	396.5	1.5'	6	68	1128	.5	7	1
		93%		STRAINED 65° TO C.A. BROKEN ± BLOCKY W/ MINOR			120.85							
		400.0-411.0		LIMONITIC ± CLAYEY FRACTURES NEAR UPPER CONTACT.										
				ANDESITIC COARSE TUFF, SIMILAR TO 369'-369',										
				CALCITE STRINGERS @ ~50° TO C.A., WEAKLY MAGNETIC										
				400.0' - RUSTY ALT'N DISSAPPEARS DOWN HOLE AS										
				CONSISTENCY OF TUFF IS REDUCED										
				411.0-411.7 MOD - RUSTY QTZ STRINGERS ± CHLORITE/Fe-OX										
				ALT'N. IRREGULAR										
411.7	416.0		.89	TAN TO DULL GREEN DACITE (QFP)										
	126.8m		411.0-416.0											
				TAN TO DULL GREEN V. FINE GRAINED, MINOR										

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	CU	PB	ZN	AG	AS	AU
				PORPHYRITIC (QTZ + FELDSPAR PHENOS. <1mm) BANDS +										
				ROUND (RE-ABSORBED QTZ?) QTZ EYES (1mm-2mm) LOCALLY										
				FAINT BANDING 50° TO C.A. RARE QTZ/CALCITE STRINGERS.										
				CONTACTS CHIP ALONG SHEAR PLANES ~50° TO C.A.										
416.0	438.5 (133.65m)		.50 416.0-445.0	ALT'D LAPILLI TUFF										
				DARK GREEN TO BUFF (Fe-CBNT + CHLORITE ADJ'N AT FRACTURES) LAPILLI TUFF SIMILAR TO UNITS ABOVE, MODERATELY FRACTURED (LIMONITIC); MINOR WHITE CALCITE STRINGERS THROUGHOUT, WEAKLY DETECTABLE STRAIN 50°-60° TO C.A., LOCALLY BROKEN + BLOCKY, LOWER CONTACT GRADES IN + OUT OF PORPHYRITIC FLOW @ ~ 60° TO C.A. CORE ~ 2'.										
435	451.0 (137.46m)	74% 444.0-461.0	.27 445.0-453.0	PORPHYRITIC FELSIC FLOW										
			.66 453.0-461.0	GREY-BROWN APHANITIC SILICIOUS MATRIX W/ WHITE (RUSTY) FELDSPAR PHENOS. (2mm) THROUGHOUT; ABUNDANT IRREGULAR FRACTURES OFTEN RUSTY; ABUNDANT RUSTY F. GRAINED SPECS, COMMONLY BROKEN + BLOCKY, MINOR QTZ + Fe-CBNT STRINGERS										
				441.7 - IRREGULAR QTZ-FeCBNT STRINGER (2mm-4mm)	8575	441.5 (134.57m)	446.5 (136.09m)	5.0	3	3	18	.2	8	3
				443.2 - QTZ Fe CBNT STRINGER (2mm) 50° TO C.A.										
				446.4 - X-CUTTING QTZ-FeCBNT STRINGERS 0° + 30° TO C.A.										
461.0	461.0 (140.51m)			ALT'D LAPILLI TUFF										
				DARK GREEN TO BUFF LAPILLI TUFF, MINOR CALCITIC STRINGERS THROUGHOUT COMMONLY 50° TO C.A.; TUFF SIMILAR TO ABOVE LAPILLI TUFF (NOT SILICIOUS),										
				455.5-456.5 ~2% PELLOLS-WHITE CALCITIC STRINGERS	8576	455.5 (138.84m)	456.5 (139.14m)	1.0'	2	4	58	.1	4	1
4'														

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DIAMOND DRILL LOG

HOLE No. 87-C1 Page 11 of 11

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
461.0	472.0	13%	.11	FELSIC PORPHYRITIC FLOW				
	(14.07m)	461.0 -465.0	461.0 -472.0	BROWNISH-GREY APHANITIC GROUND MASS W/				
				FELDSPAR PHENOS. (2mm) ± FAINT FLOW BANDING				
		85%		(40°-50° TO C.A.); MINOR RUSTY DUSTY FRACTURES				
		465.0 -472.0		THROUGHOUT; MINOR QTZ STRINGERS ± VEINLETS THROUGHOUT				
				(HAIR LINE TO 0.5cm) ± 0.1% ASSOCIATED DISS. Py				
				OVERALL SIMILAR UNIT TO 438.5-451.0				
				461.0 - 465.0 - V. BROKEN ± RUBBLEY (63% REC'y)				
				468.0-469.5 - 0.5cm QTZ-(FeCO3) VEINLET @ 0° TO C.A.	8577	468.0 (142.65m)	469.5 (143.10m)	1.5'
472.0				E.O.H.				

Cu	Pb	Zn	Ag	As	Au
3	4	11	.2	6	5

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To Mt. Steven's

To Mt. Steven's

DDH 87-I1
I2

DDH 87-C1

DDH 87-A1

DDH 87-WB3
-WB4

DDH 87-WB1
-WB2

WB4

WB3

WB1

WB2

Midnight Gulch

APPROXIMATE CLAIM BOUNDARY

TON JL

LEGEND

- Trench
- Adit
- Diamond drill hole (DDH 87-WB1 / WB1)
- Access road

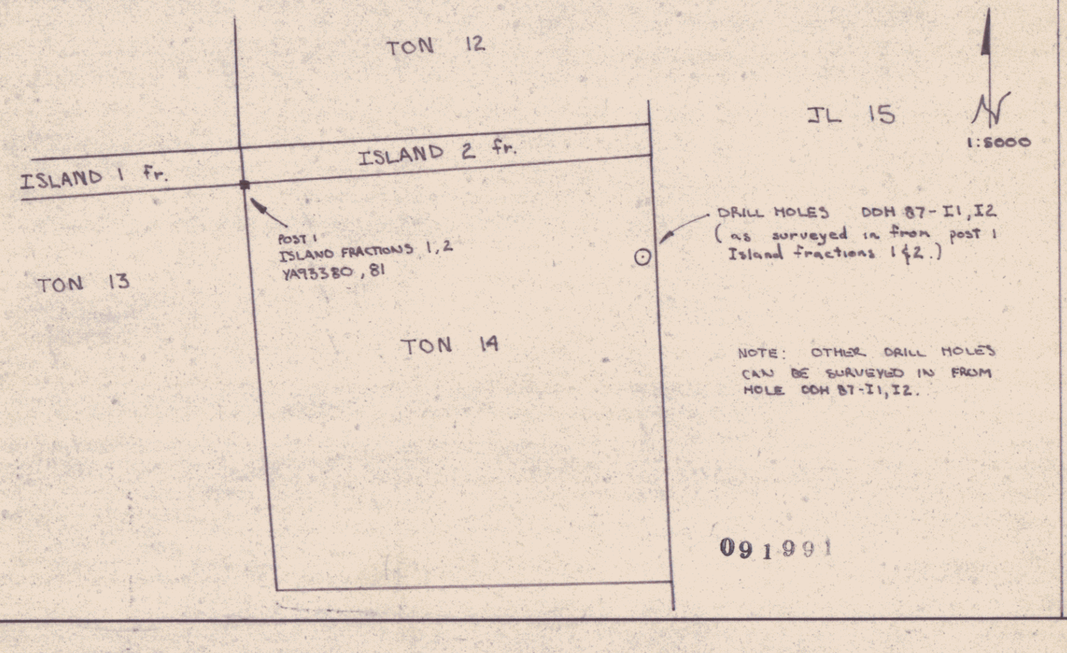
DRILL HOLE	AZIMUTH	DIP
DDH 87-A1	227°	51°
DDH 87-WB1	218°	50°
DDH 87-WB2	206°	55°
DDH 87-WB3	155°	65°
DDH 87-WB4	135°	65°
DDH 87-I1	220°	50°
DDH 87-I2	170°	50°
DDH 87-C1	180°	55°

50m 0 50 100m

SCALE 1:2000

Note: grid slope corrected and installed with chain and compass

DRILL HOLE LOCATION FROM LEGAL CLAIM POST



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ISLAND MINING & EXPLORATION CO. LTD.		
JL CLAIMS		
MIDNIGHT GULCH DRILL HOLE LOCATIONS 1176		
	DATE : JULY, 1987	
NTS 105 D/2, D/3	DRAWN BY:	FIGURE :

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Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

13 April, 1988

Your file / Votre référence

Our file / Notre référence 340-17-6

Island Mining & Exploration Co. Ltd.
706 - 595 Howe Street
Vancouver, B.C.
V6C 2T5

Attention: Allan Montgomery

Dear Sir:

I refer to your letter dated 5th April, 1988 in which you included diamond drill logs for three drill holes. With regard to those diamond drill logs, the Xerox copies of the logs which you sent are very difficult to read and some pages are not possible to read at all. As you are aware I sent one copy of the logs to our Geological Evaluation Unit for their information and evaluation. The information that you have supplied us with is mostly unreadable and therefore will be difficult for them to evaluate.

Therefore, I would request that you please send a further clearer copy of the drill logs for our records.

Yours truly,

M.A. Fish
Mining Recorder
Whitehorse Mining District

Canada

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