'79-#318-#7427

REPORT ON DIAMOND DRILLING SUBMITTED FOR ASSESSMENT WORK ON THE COVE GROUP OF MINERAL CLAIMS

Nanaimo M.D.

Utah Mines Ltd.

Aug. 1979

J. Lamb P. Eng.

UTAH MINES LTD.
ISLAND COPPER MINE
P.O. BOX 370
PORT HARDY, B.C. V0N 2P0
TELEPHONE (604) 949-6326

August 31, 1979

Ministry of Energy, Mines &
Petroleum Resources
Douglas Building
Victoria, B.C.
V8V 1X4

Sirs:

Assessment Report - Cove Group of Mineral Claims

The above report, in duplicate, is being submitted in compliance with regulations governing assessment work under the Mineral Act, revised to January 1, 1978.

Credit is requested for diamond drilling performed between July 4th and 23rd, 1979, on the Cove No. 17 M.C. (#18120).

Yours truly,

John Lamb

John Lamb, P. Eng.
Project Geolgist

JL/ns

enc.

7427

UTAH MINES LTD.
ISLAND COPPER MINE
P.O. BOX 370
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TELEPHONE (604) 949-6326

Work Performed

1. Two holes were diamond drilled between July 4th and 23rd, 1979. The holes are on local logging roads approximately 1500 feet northwest of Frances Lake, about one mile north of Rupert Inlet. They lie close to and east of Utah's paved access road to the mine and are just west of the boundary of L. 2145, which demises Mineral Lease M-34. Both holes were drilled on Cove No. 17 mineral claim (#18120).

2. Particulars of the holes are:

Number	Inclination (degrees)	Length (ft)	Collar Elevation	Co-ordinates
E-41	-90	755	198	N 11116.12 E 17757.76
E-42	-90	698	295	N 12164.0 E 17868.6

The co-ordinate positions of the hole collars belong to the co-ordinate grid used over the whole Island Copper property.

3. All drill core is in storage at the Island Copper mine. Logs of the holes are included in the report.

4. Core logging was performed by:
John Lamb, P. Eng.
BASc, MASc - University of British Columbia
This person is on the geological staff at the Island Copper mine.

5. An itemized cost statement is included in the report.

6. A copy of the diamond drilling proposal is included. This proposal is from Thirty Two Albert Crescent Ltd., a member company of the Tonto Drilling Ltd. organization. Together with my letter of acceptance, it forms the agreement under which the work was done.

7. Both an index map and a detailed claim map are attached to this report, showing the drill hole locations and the extent of the Cove group of claims.

John Lamb, P. Eng.
Project Geologist

JL/ns

enc.

ICM-GC15

Statement of Costs
For the
Cove Group of Mineral Claims

A. Contractor's Charges:

Overburden	
E-41 - 19 ft. @ $14.25	$ 270.75
E-42 - 90 ft. @ $14.25	1,282.50
Rock	
E-41 - 736 ft. @ $14.25	10,488.20
E-42 - 608 ft. @ $14.25	8,664.00
Field Costs (reaming, setting casing, conditioning, etc.)	
E-41 -	2,043.50
E-42 -	1,745.75
Extra Charges (materials consumed)	
E-41	3,851.32
E-42	1,829.29
Mud circulation products at 9.5% of total mud costs	1,894.68
Mobilization costs at 9.5% of total mobilization	364.80
Hard ground charge at 20% of total footage drilled	1,740.00

B. Utah Costs:

- Sampling and assaying 114 at $3.07 per assay	349.98
- Core house labor	1,500.00
- Geological supervision	1,600.00
- Company overhead cost	775.00
- Core boxes 54 at $3.95 each	213.20
- Room and board 4 men for 19 days at 15.72/day	1,194.72
- Tractor for towing drills and preparing drill sites - 16 hours at $50/hour	800.00
- Preparation of report	400.00
- Survey of holes	200.00
- Vehicle operation - @ 30¢/mi. for 100 miles	30.00
TOTAL COST:	$41,237.69

Footage Drilled = 1453 ∴ cost per foot = $28.38

John Lamb
J. Lamb

JL/ns

April 30th, 1979.

Mr. C. Croft,
Tonto Drilling Limited,
1215 W. 7th Avenue,
Vancouver, B.C.
V6H 1B7.

Dear Chuck,

This is to advise you that your bid for this summer's diamond drilling at Island Copper has been accepted with the following proviso's which you and I and John Fleming just discussed on the telephone:

1) That your quote will include a non-running foreman which will add approximately 75¢/foot to the drilling footage rates.

2) That your crews will deliver the boxes of core to our shed in camp, when they come off shift.

3) That overburden drilling rates beyond 50 feet will increase $1.00 per ft. to 100 feet of depth and $2.00 per foot to 150 feet of depth.

4) That your definition of hard ground will be"when rate of penetration is less than 4 feet per hour and bit life is less than 60 feet".

5) That you will rent us a bombardier carrier for difficult access problems at a rate of approximately $2,500/month.

You should try to meet a commencement date of May 22nd, just after the long Victoria day holiday weekend.

Wishing you the best and looking forward to working with you this summer, I remain,

yours truly,

John Lamb,
Project Geologist.

JL:ebh

thirty-two albert
crescent limited

A MEMBER OF THE TONTO GROUP OF COMPANIES

UTAH MINES LTD.

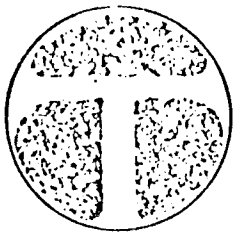
PROPOSAL FOR ISLAND COPPER MINE PROJECT

APRIL 30, 1979

2nd proposal
revised from that
dated 25 April 79.

J.S.

1215 WEST 7th AVENUE • VANCOUVER, BRITISH COLUMBIA V6H 1B7 • TELEPHONE (604) 736-2641 • TELEX 04-508557



thirty-two albert crescent limited

A MEMBER OF THE TONTO GROUP OF COMPANIES

April 30, 1979

Utah Mines Ltd.
Island Copper Mine
Port Hardy, B.C.

Attn: Mr. John Lamb

Dear Sir:

We are pleased to submit the following quotation on your project at the Island Copper Mine.

A. Scope of the Program

1. The program contemplates a minimum of 15,000 feet of NQ and BQ drilling.

2. The drilling will commence in mid May 1979.

3. The program contemplates holes ranging in depth from 500' to 1,000' with a capability of going to 1,600'. Holes will be inclined from minus 70 degrees to minus 90 degrees.

B. Union Certification

Our employees will be members of the Tunnel and Rock Workers Union, Local 168.

C. UTAH's Responsibilities

1. Drill roads and drill sites are to be constructed and maintained accessible to skid mounted drill rigs, supply trucks and pickups

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free of cost to Thirty-Two Albert. Any environmental responsibility relating to the construction, use or reclamation of same shall be the responsibility of Utah. Thirty-Two Albert will, however, remove all trash and loose materials, leaving drill sites in a clean and orderly condition.

2. All licences, land and water use permits, environmental reports, reports relating to hole plugging, etc. shall be the responsibility of Utah. Thirty-Two Albert shall cooperate with and give technical assistance if requested for compliance with these regulations.

3. Utah will hold Thirty-Two Albert harmless for any liability claims which may arise from normal activity related to this contract including pollution of ground water or surrounding land from discharge of drill water and wastes save if Thirty-Two Albert's employees act in an irresponsible manner.

4. Utah will provide locked storage space for Thirty-Two Albert's parts and supplies.

5. Utah will provide equipment to assist in moving Thirty-Two Albert's rigs from site to site.

6. Utah will either provide or be responsible for the following items at Thirty-Two Albert's list price plus 10%:
   a) cement, drilling mud and additives and soluble oils
   b) core boxes
   c) any other special tools or drilling accessories which may be required for testing purposes or requested left in the hole.

7. Utah will provide room and board for Thirty-Two Alberts' crews at no cost to Thirty-Two Albert. It is understood crews will be accommodated in Utah's camp at the mine site.

D. THIRTY-TWO ALBERT's Responsibilities

1. Thirty-Two Albert will provide drill crews, drills and all other necessary equipment and materials to complete the program as outlined above.
   a) The following equipment will be supplied:
      - 1 skid mounted Longyear Super 38 rig and 1 skid mounted Longyear 34 rig
      - all ancillary pumps, drill strings and other equipment
      - 2 3/4 ton trucks
      - mobile parts trailer and all spares
      - a Bombardier personnel carrier at industry rental rates of approximately $2,500.00 per month

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b) All drill operators employed on this job will have a minimum of five years drilling experience.

2. Thirty-Two Albert will provide transportation for its personnel to and from the drill sites.

3. Thirty-Two Albert will provide a full time foreman to supervise the drilling operations. The foreman will have a minimum of ten years experience in running and being responsible for diamond drill jobs.

4. Thirty-Two Albert will transport the core from the drill site to Utah's core shed.

5. Thirty-Two Albert will provide water to the drill site at no cost providing the horizontal distance does not exceed 1,500' and the lift 250'. Installation and maintenance are to Utah's account at quoted labour rates.

E. General

1. In the event that drill pipe and other equipment become broken or lost in the hole, Utah will be responsible for time and materials consumed to recover the materials. If they should end up being left in the hole, then they will be charged at their replacement value.

2. In the event that cavities or loose and caving materials are encountered of a nature as to prevent the completion of any hole, then Thirty-Two Albert does not, under these conditions, guarantee to drill to a predetermined depth and in the event that it becomes necessary to abandon the said hole, Thirty-Two Albert shall charge Utah for those holes abandoned, at the depth at which they were abandoned, at the footage rates specified. If required to continue on in the hole then Thirty-Two Albert has the option to revert to standby rate plus all materials, supplies and equipment needed at delivered cost, subsequent to Utah's approval.

3. It is agreed that hourly rates shall be interpreted here to mean the labour of a two-man crew, machine and equipment rental, plus pipe and casing lost or left in holes, diamond loss and setting charges, materials and supplies consumed in the work at Thirty-Two Albert's list price.

In the event extra labour over and above the regular two-man crew is required, Thirty-Two Albert agrees to supply such

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additional labour at the rate of sixteen dollars and fifty cents ($16.50) per man per hour.

F. Bid Prices

1. Moving time

a) Move in charge including all equipment, supplies and personnel to the transport discharge point for each rig — $ 1900.00

b) Move from site to site and to and from the transport loading or discharge point including all equipment, supplies and personnel for the rigs. Four hours free time will be allowed for each move. — 16.50/man hr. 10.00/drill hr.

c) Move out charge including all equipment, supplies and personnel for each rig — 1900.00

2. Drilling Rates

a) Overburden or Wastedumps

	BWL	NWL
0 - 50'	14.25	15.25
50 - 100'*	15.25	16.25
100 - 150'*	17.25	18.25

*or hourly rate plus material whichever is greater. Casing shoes charged at cost plus 10%.

b) Core Drilling

	BQ	NQ
0 - 1000'	14.25	15.25
1000 - 1500'	15.25	16.25
1500 - 2000'	17.25	18.25

Note: If siliceous magnetite breccia or similar hard material is encountered, an additional $6.00 per foot will be charged for BQ drilling and $7.00 per foot for NQ drilling. The hard material surcharge will apply anytime the penetration rate drops below four feet per hour and the footage drops below 60 feet per bit.

3. The following services will be performed at the designated hourly cost:

a) Testing

b) Standby at Utah's request or any other delays not caused by Thirty-Two Albert

c) Setting and pulling casing

d) Regaining lost circulation and cementing including setting and drilling time

e) Reaming, hole conditioning, drilling cave — 16.50/man hr. 10.00/drill hr.

4. Travel time in excess of one hour per man shift 16.50/man hr.

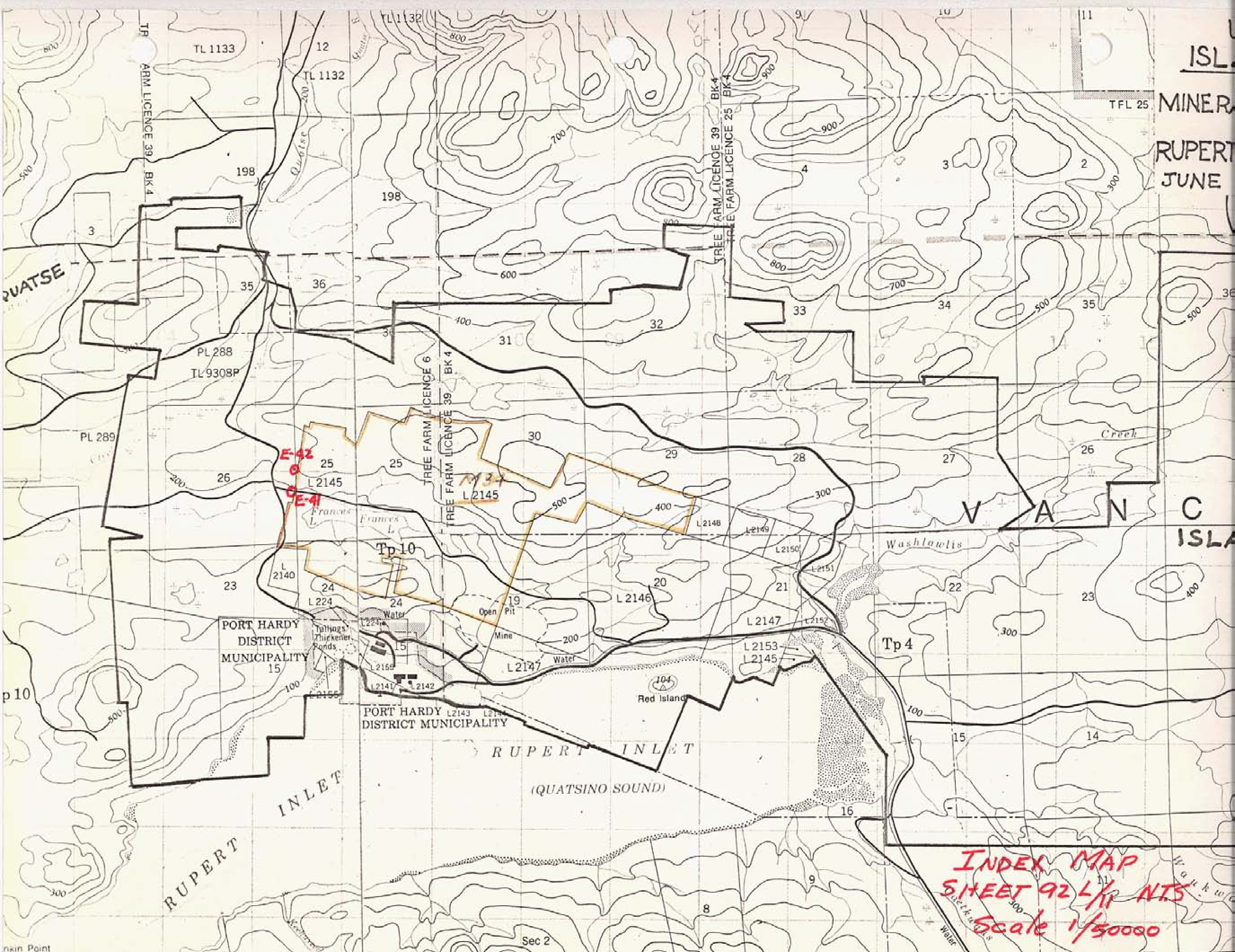
Thank you for permitting us to tender on your project. We look forward to working for you in the near future.

Yours very truly,

THIRTY-TWO ALBERT CRESCENT LIMITED

Charles E. Croft

CEC:cm


INDEX MAP
SHEET 92 L/11 NTS
Scale 1/50000
E-42
E-41
M34
PORT HARDY DISTRICT MUNICIPALITY
RUPERT INLET
(QUATSINO SOUND)
TREE FARM LICENCE 6
TREE FARM LICENCE 39 BK 4
TREE FARM LICENCE 25 BK 4
Open Pit Mine
Tailings Thickener Ponds
Red Island
QUATSE
MINERA
RUPERT
JUNE
ISL
V A N C
PL 288
TL 9308P
PL 289
TL 1133
TL 1132
TFL 25
Tp 10
Tp 4
Washlawlis
Creek
Frances L.
L 2145
L 2146
L 2147
Water

HOLE NO. E-41

CASING COLLAR ELEV.: 1198.35'

GROUND ELEV.: 17757.76

COORDINATES: N. ~~11746.47~~ 11116.12 E. ~~174678.~~

INCLINATION: −90°

BEARING:

PROJECT:

DATE STARTED: 5 Jul '79

DATE FINISHED: 16 Jul '79

TOTAL DEPTH: 755 FT.

PAGE NO: 1 OF 13

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: J. Lamb

SECTION	ALTERATION: Silica	Chlor	Mag		FRACTURING	MINERAL	GEOLOGY	COMMENTS: Casing to 19'. Rubbly to 28' w. some surface gravel. On old mainline road 500' E of Wobble City / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
20								No real bedrock in first 28'								
30								<u>28 — 80</u> - Dark gray to black and. rock w fine scott'd rock to 50' <u>50 – 70</u> - gray-buff. lap. tuff w. occ patches of hem. A few narrow qtz. vns. Minor amts calc in vlts. <u>70 – 80</u> - Dark green gray tuff. Some fine dissem py.					BQ			
40																
50																
60																
70																
80																

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HOLE NO. E-41 | PROJECT: | PAGE NO: 2 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Clay	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
80							80–100 - Dark gray to black andesite w. occ. small round chlor spots. Occ. narrow vns gray qtz. Numerous seams wh. calc. Fine scatt'd py. Last 2' well shatt'd.								
							- 3" pyritic gougy slip								
90							- some epid on calc sm.				90				
							- shatt'd. slip @ 98'								
							- gouge			100					
100							100–140 - Much broken shatt'd core Very few qtz veins. Num. irreg calc-laum vns. Occ. streaks & patches epid.								
							- gougy zone w. much clay & calc.								
							- slip								
110															
120											70				
130							- 3" qtz vn.								
140										140					

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HOLE NO. E-41 | PROJECT: | PAGE NO: 3 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION (Silica, Chlor, Hem.)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
140					140 — 200			140		BQ			
					Gray to dark green andesite tuff. Py dissem throughout. Some cpy @ 141½								
150					Sparse qtz veins. Num. strong calc-laum vns. Prom zone fine epid.								
160				3" pale cby-calc gouge slip.	Core broken into short lengths but not shatt'd.				37				
170													
180													
190				fine py slip @ 40° slips @ 40° to core									
200								200					

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HOLE NO. E-41 | PROJECT: | PAGE NO: 4 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
200		/					200 — 260 - Much shatt'd core			200		SQ			
		/					Med gray andesite								
	//	/				clay slip	A few qtz v'ns. Num. irreg vns								
210		/	/				✓ blobs pinkish calc-laum								
	/	/					Almost no mag.								
		/				½" narrow gouge seam	Some short runs definitely fgtl tuff								
220		/					Very fine bright dissem py but no vis cpy				84				
		/	/												
		/				much shearing & fract'g									
230		/													
		/	/												
		/													
240		/													
		/				strongly fract'd pebbly core									
250		/													
		/	/												
260		/								260					

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HOLE NO. E-41 | PROJECT: | PAGE NO: 5 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Cl.	Mag	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
260			/			rubbly core	260 – 303 - Much broken, core w. strong shatt'ng in last 10'. Some scatt'd mag throughout. Minor qtz vns. Many calc-laum sms. Minor streaks epid. Chlorite development. Spse dissem py.			260		BQ			
270			/												
280			/								79				
290			/												
300			/			green grey gouge									
							303			303					
310	/	/	/			rubble. Some core missing. Low rec.	303 – 350 - Broken rubbly core. Light mag throughout. Partly flooded w. silica. Num irreg wh. calc-laum sms. Short runs brownish biot alt'n. Fine fracts w cpy + py. Partly dissem				75				
320	/	/	/												

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HOLE NO. E-41 | PROJECT: | PAGE NO: 6 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION (Silica, Chlor, Mag)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
320					303 – 350 See P5			320		BQ			
				shearing w. vns calc-laum.									
330													
				cpy on fracs.					75				
340													
				qtz vns.									
350					350			350					
					350 – 421. Broken core. B'xtd gray to dark lap. tuff & tuff breccia. Fair no. of narrow qtz vns. Many irreg vns. calc-laum. Some fine dissem py. Cpy showing in some tiny hairline fracs. Fine scatt'd mag through darker vuns.								
360				qtz vn 1" calc-laum									
				fine rubble									
370													
				qtz vn + calc.									
380								380					

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HOLE NO. E-41 | PROJECT: | PAGE NO: 7 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION (Silica / Chlor / Mag)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
380					sheared w. much calc gashes			380		BQ			
					350 – 421 See P6.								
390					½" chl. gouge								
					1" calc-laum								
400					shearing w. calc								
					7427								
410					qtz veins & incl. calc vn								
420					421			421					
					421 – 460 Dark andesite w. some scatt'd mag. Siliceous runs & small vns. also many gashes calc-laum. Several rubble zones & lost core where noted. Fine dusting cpy on some fracs								
430					3" flt gouge				20				
					→ 1' chlor. gouge								
					2' rubbly & gougy								
440								440					

HOLE NO. E-41 | PROJECT: | PAGE NO: 8 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION (Silica, Chlor, Mag.)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
440					421-460 See P7			440					
450					chlor. to gouge w. much streaky calc				80				
					2½' core missing								
460					460			460					
					460-530 - As above dark mag. andesite w. both narrow qtz stringers & wide vns. Numerous calc-laum stringers @ low angles to core. Some brownish altn, looks like bio. A few gashes w cpy & fine dustings cpy on fracs.								
470													
					gray qtz vn.				85				
480													
					qtz vn.								
490													
500								500					

1427

HOLE NO.

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

SECTION	ALTERATION: Silica	ALTERATION: Chlor	ALTERATION: Mag.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
500						calc-laum in b'xtd rk	460 – 530 – See P8.								
510											85				
520						1' sheared rk									
530						1" py.	530			530					
540							530 – 600 – Weakly mag'tc gray-brown andesite (lap tuff & tuff bxa) w. minor silic streaks & vns. Laced w. calc-laum gashes. Brown alt'n resembles biot. alt'n (as in the pit) Some fine py & faint vlts & dustings of cpy. Core shattd & broken				81				
550															
560															

1421

HOLE NO. E-41 | PROJECT: | PAGE NO: 10 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTI-MATED
560							530 - 600 See Pg.			560					
570											81				
580							1½' gouge + calc in fault @ 40°								
590							1427								
600										600					
610							600 - 644 - Weakly mag'tc andesite w. some weak brown biot alt'n. Good firm core. Tiny vlts cpy & py. Vlts calc-laum.				90				
620															

HOLE NO. E-41 | PROJECT: | PAGE NO: 11 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag		FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
620								← bleaching - irreg blotch calc-laum 600 - 644 See P10			620					
630								- ½' calc @ 40°				91				
640								- ¼" calc @ 35°			644					
650								644 - 693 - Greenish to dk gray weakly magtc andesite. A few calc laum vns. but little silica of any kind. Brown biot. alt'n.. Quite a few hairline cpy vlts. Core is smooth & firm w. a brownish tinge. - sheor w. calc. - ½" calc w py @ 30°								
660																
670																
680								calc.								

1427

HOLE NO. E-41 | PROJECT: | PAGE NO: 12 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
680							644-693 - See p11			680					
690											94				
										693					
700							693-744 - Weakly magnetic brownish tinged andesite (lap. tuff) w. fine py + cpy vns. Practically no silica. Some calc-laum vns. @ low angles. 1" sheared. calc vn @ 30°								
710											90				
							½" slip w. calc.								
720							2" calc vn @ 35°								
730							sheared w. pods py + cpy								
740										740					

1427

HOLE NO. E-41 | PROJECT: | PAGE NO: 13 OF 13

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag		FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
740								693 - 744 - See p12			740		BQ			
750							shearing	744 - 755 - As above, brown tinted weakly magtc. andesite w a little fgr py. + cpy. looks like altd lap. tuff.								
								755 END OF HOLE			755					
760																

1427

Co-ords - 11746.5N 17467.8E — HOLE E-41

Collar El. - 1194.4 FT. — P. 1

Inclination - -90° — Length. 455 FT.

Bearing. —

	Sample Footage	Bench.	1 ASSAY % Cu	2 ASSAY % Mo	3 Bench % Cu	4 Grade % Mo
1	40 - 50		.15	.007		
2	50 - 60		.12	.008		
3	60 - 70		.20	.010		
4	70 - 80		0.12	.012		
5	80 - 90		0.14	.007		
6						
7	90 - 100		.16	.008		
8	100 - 110	110 - 120	.14	.012		
9	120 - 130		.12	.007		
10	130 - 140		.05	.004		
11	140 - 150		.13	.009		
12	150 - 160		.08	.007		
13	160 - 170		.09	.012		
14	170 - 180		.12	.005		
15	180 - 190		.17	.005		
16	190 - 200		.12	.007		
17	200 - 210		.21	.013		
18	210 - 220		.12	.011		
19	220 - 230		.22	.006		
20	230 - 240		.14	.010		
21	240 - 250		.22	.016		
22	250 - 260		.07	.001		
23	260 - 270		.20	.011		
24	270 - 280		.20	.007		
25	280 - 290		.18	.007		
26	290 - 300		.11	.005		
27	300 - 310		.14	.009		
28	310 - 320		.23	.004		
29	320 - 330		.27	.010		
30	330 - 340		.43	.012		
31	340 - 350		.39	.013		
32	350 - 360		.37	.010		
33	360 - 370		.35	.011		
34	370 - 380		.24	.010		
35	380 - 390		.19	.011		
36	390 - 400		.41	.014		
37	400 - 410		.48	.014		
38	410 - 420		.15	.009		
39	420 - 430		.25	.007		
40	430 - 440		.13	.006		
41	440 - 450		.14	.013		
42	450 - 460		.14	.010		
43	460 - 470		.24	.005		
	470 - 480		.12	.013		

7427

HOLE: E-41
P2

	Sample Footage	Bench	1 Assay % Cu	2 Assay % Mo	3 Bench Grade % Cu	4 Bench Grade % Mo
1	480-490		.15	.019		
2	490-500		.32	.038		
3	500-510		.09	.006		
4	510-520		.11	.004		
5	520-530		.09	.007		
6	530-540		.42	.008		
7	540-550		.22	.009		
8	550-560		.13	.008		
9	560-570		.14	.014		
10	570-580		.16	.006		
11	580-590		.10	.004		
12	590-600		.26	.009		
13	600-610		.20	.020		
14	610-620		.30	.005		
15	620-630		.22	.006		
16	630-640		.12	.006		
17	640-650		.18	.005		
18	650-660		.31	.017		
19	660-670		.23	.008		
20	670-680		.18	.007		
21	680-690		.29	.009		
22	690-700		.09	.007		
23	700-710		.12	.009		
24	710-720		.11	.007		
25	720-730		.07	.005		
26	730-740		.07	.007		
27	740-750		.04	.006		
28	750-755		.07	.008		
29						
30						
31						
32		71 samples @ 3.07 = 217.97 #				
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						

1427

HOLE NO. E-42 | PROJECT: | PAGE NO: 1 OF 11

CASING COLLAR ELEV.: 1295.1 GROUND ELEV.: | DATE STARTED: 16Jul'79 | REF. TO CLAIM CORNER:

COORDINATES: N.12164.0 E.17868.65 | DATE FINISHED: 23Jul 79 | SCALE:

INCLINATION: −90° BEARING: | TOTAL DEPTH: 698 FT | LOGGED BY: J. Lamb

COMMENTS: 0 − 80' or to 94' overburden. No core. On hill above paved road N of Wobble City

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	ALTERATION: Chlor	ALTERATION: Mag	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
90		/	/				94 − 118 − Much broken core Grayish lap. tuff. W. a few short runs brownish alt'n. Finely dissem py & minor cpy. Weakly mag'tc in short runs Numerous irreg. white calc gashes & vns. w. streaks gils.		94		BQ			
100		/	/											
110		/	/							80				
120		/	/				118 − 132 − Weakly magtc broken core Gray, spotted lap. tuff Network white calc vns w. minor streaks gils Sparse sulphide		118					
130		/	/							85				
140							132 − 159.5 − Mostly soft gouge, gray, w. spare ~~cpy. &~~ py. Some patches & streaks of calc Looks like a strong fault zone		132					
150														

1427

HOLE NO. E-42

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

SECTION	ALTERATION Silica	Chlor	Mag		FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
150								132 - 159½ - fault gouge See p1.			150 – 159½	31	BQ			
160							strong fault gouge sheared & gougy.	159½ - 180 - Dark gray green lap tuff. Partly mag'tc in dark runs Much py & minor cpy to 167. Some vlts of calc.			159½ – 180	85				
170																
180							5" sheared & gougy 4" qtz 2" qtz.	180 - 210 - Mod. mag'tc andesitic lap tuff, dark to mod. gray Bddg @ 206' at 80° to core. Faint brown alt'n. Fine hairline fracs w py & poss. cpy. A few narrow qtz vns Network calc. fracs. Core more solid & less broken			180 – 210	90				
190																
200																
210																

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HOLE NO. E-42 | PROJECT: | PAGE NO: 3 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: J.L.

SECTION	ALTERATION (Silic / Chlor / Mag)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
210					210 – 239 – Mod'tly mag'tc andesite w. fine lacing calc. fracs. in lighter runs. Some tiny seams py & spse cpy.			210		BQ			
				- 2" limy gouge @ 45°									
220				- ½" flt @ 45°					91				
230				- ¼" milky gray cherty vn. cutting calc vns.				239					
240					239 – 295 – Blackish-green andesite & tuff core, fairly firm. Mod. mag'tc. A few narrow qtz vns. Irreg. vns. & streaky white to pnk calc-laum. Fine hairline vns py & minor cpy. Also dissem py.								
250													
260				- calc in slip at 20°									
270													

7427

HOLE NO. E-42 | PROJECT: | PAGE NO: 4 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
270							239-295 See P3			270		BQ			
							½" gray gouge slip.								
280							gougy slip w. py & qtz.				88				
290										295					
300							fault zone								
							295-306 - crumbly, gougy, sheared core. Sericite & heavy clay alt'n Calc & minor qtz. Dissem py			306					
310							ser. green & calc in slip at 10° soft gouge w green ser.								
							306-330 - Brownish tinged and. tuff w. finely dissem py. Weakly magtc. Minor qtz. Streaky seams calc.								
320															
330							¼" heavy py vn @ 45°								

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HOLE NO. E-42 | PROJECT: | PAGE NO: 5 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
330							330 – 390			330		BQ			
							½' calc @ 25°								
340							} shearing @ 10°								
							Dark brown-green andesite, smooth, w. weak mag'tsm throughout. Very little qtz but freq. vns. of calc-laum. Hairline cracks of py + spse cpy. Some Mo on a frac.								
350							qtz vn w. py + cpy.				93				
360							ser gougy slip								
							clay alt'n on slip								
							} 2' green ser, pyr clay gouge								
370															
							1' sheared.								
380															
							½' clay alt'd gougy @ 35°			390					
390															

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HOLE NO. E-42 | PROJECT: | PAGE NO: 6 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor.	Mag.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
390							390 – 435.5 – Smooth brown-green weakly mag'tc and ± tuff w. spse qtz but num. calc-laum vlts. Fine hair-line vns of py ± cpy w some moly showing.			390		BQ			
400															
410											91				
420															
430										435.5					
440							435.5 – 510 Dark green andes. tuff. Sparse mag. Laced w. num. calc-laum sms. but few qtz vns. Dissem ± hairline py w. some cpy.				87				
450										450					

- 1' sheared ± clay alt'd
- 4" clay alt'n.
- 5" gougy
- 4" clay gouge
- 4" clay gouge
- fair cpy ± mo
- clay alt'n

7427

HOLE NO. E-42 | PROJECT: | PAGE NO: 7 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: | N. | E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION Silica	Chlor	Mag		FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
450								435.5 – 510 See P6.			450		BQ			
								← 1' sheared & greenish								
								1' sheared w. py & mo.								
460																
								6" green gouge slip								
470																
								60" sheared & b'xtd. w. calc lacing				87				
480																
490								7427								
500								chlor. gouge on vn. at 30°								
								1" shearing								
510											510					

HOLE NO. E-42 | PROJECT: | PAGE NO: 8 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION (Silica / Chlor / Mag)	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
510					510 - 570 - Greenish to dark gray smooth andesitic tuff. Weakly mag'tc. Laced w. many calc-laum. seams. but sparse qtz. Quite a bit py. lacings & dissems. Spse cpy.			510		BQ			
520					1' sheared 6" qtz, calc. clay gouge @ 35° gouge w. calc & py.								
530					2" slip w. green gouge shearing w. moly in gouge 2' shearing w gouge.				85				
540					1" fault @ 35°								
550					1½ fault @ 50° w green gouge								
560													
570								570					

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HOLE NO. E-42 | PROJECT: | PAGE NO: 9 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
570							570 - 630			570		BQ			
							Greenish and. tuff. w light but patchy mag. Spse qtz but much calc-laum. Scatt'd vns cpy & minor cpy. Some moly slicks Some of the tuff spotted to 1/4"								
580															
590							1/4" slip @ 45°				83				
600							1/8" slip.								
610															
620							6" fault								
630							shearing			630					

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HOLE NO. E-42 | PROJECT: | PAGE NO: 10 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Chlor	Mag	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
630							630 – 698								
							Greenish to gray andesitic tuff. Weakly magtc. Many calc-laum fracs & vns but minor qtz vns. Pissem & vn. py. Some fair cpy & several vis. mo. slicks								
640															
650							– good dissem cpy								
660															
670															
680							– shearing w qtz, calc & py & cpy								
690							– 1' gougy								

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HOLE NO. E-42 | PROJECT: | PAGE NO: 11 OF 11

CASING COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

SECTION	ALTERATION: Silica	Clay	Mag.		FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
690	/	/	/					630 - 698 - See P10 - 6" gouge fault @ 45°								
	/	/	/													
	/	/	/													
	/	/	/													
								698								
700								END OF HOLE								

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Co-ords -
Collar Elev -
Inclination - -90°
Bearing - —

HOLE E-42
P. 1

Length 1695 feet.

	Sample Footage	Bench	Assay 1 % Cu	Assay 2 % Mo	Bench Grade 3 % Cu	Bench Grade 4 % Mo
1	100-110		.13	.008		
2						
3	120-130		.17	.014		
4						
5	160-170		.08	.006		
6	170-180		.08	.011		
7						
8	190-200		.05	.020		
9						
10	210-220		.06	.026		
11						
12	240-250		.06	.005		
13						
14	270-280		.04	.005		
15						
16	320-330		.06	.008		
17						
18	340-350		.09	.013		
20	360-370		.04	.012		
21						
22	380-390		.06	.017		
23	390-400		.10	.005		
24	400-410		.04	.008		
25	410-420		.09	.007		
26	420-430		.11	.007		
27	430-440		.49	.022		
28	440-450		.14	.009		
29	450-460		.11	.010		
30	460-470		.19	.018		
31	470-480		.14	.018		
32	480-490		.28	.020	120 .22	.017
33	490-500		.29	.026		
34	500-510		.17	.016		
35	510-520		.22	.030		
36	520-530		.19	.005		
37	530-540		.25	.010		
38	540-550		.20	.015		
39	550-560		.07	.005		
	560-570		.04	.009		
41	570-580		.12	.020		
42	580-590		.08	.009		
43	590-600		.15	.028		
	600-610		.18	.014		

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HOLE E-42
P2.

	Sample Footage	Bench	1 Assay % Cu	2 Assay % Mo	3 Bench % Cu	4 Grade % Mo
1	610 - 620		.16	.009		
2	620 - 630		.17	.014		
3	630 - 640		.12	.012		
4	640 - 650		.13	.018		
5	650 - 660		1.29	.036	128' .020	
6	660 - 670		.10	.066	.24	
7	670 - 680		.17	.012		
8	680 - 690		.26	.013		
9	690 - 698		.15	.009		
10						
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7427

N

PORT HARDY

BAY 87 17833 10 APR
BAY 88 17834 10 APR
BEN FR 33594 3 MAR
CORK FR 31677 29 APR
BEN 1 FR 33595 3 MAR
BAY 86 17832 10 APR
BAY 69 17773 26 FEB
BAY 70 17774 26 FEB
BAY 85 17831 10 APR
BAY 68 17772 26 FEB
BAR 27499 23 JAN
BAR FR 27500 23 JAN
BOB 2 33634 26 APR
BOB 1 33633 26 APR
BAY 84 17830 10 APR
BAY 56 17760 26 FEB
BAY 59 17763 26 FEB
BAY 61 17765 26 FEB
BAY 63 17767 26 FEB
BAY 52 17756 26 FEB
BAY 50 17754
BAY 83 17829 10 APR
BAY 57 17761 26 FEB
BAY 58 17762 26 FEB
BAY 60 17764 26 FEB
BAY 62 17766 26 FEB
BAY 53 17757 26 FEB
COIR 4 17850 10 APR
BAY 82 17828 10 APR
BAY 54 17758 26 FEB
COVE 20 18123 10 AUG
COVE 18 18121 10 AUG
COIR 3 17849 10 APR
BAY 81 17827 10 APR
BAY 55 17759 26 FEB
COVE 19 18122 10 AUG
ART 6 FR 27441 3 JAN
COVE 17 18120 10 AUG
COIR 2 17848 10 APR
BAY 100 17846 10 APR
BAY 98 17844 10 APR
BAY 96 17842 10 APR
BAY 22 17726 26 FEB
ART 10 FR 27497 17 JAN
COIR 1 17847 10 APR
BAY 100 99 17845 10 APR
LONG FR 33593 3 MAR
BAY 97 17843 10 APR
BAY 95 17841 10 APR
BAY 94 17840 10 APR
KOL 25 20058 21 SEP
KOL 26 20059 21 SEP
KOL 9 FR 24876 27 MAY
KOL 37 20070 21 SEP
KOL 38 20071 21 SEP
KOL 8 FR 24875 27 MAY
FACE LAKE
KOL 36 20069 21 SEP
COIR 7 17886 30 APR
COIR FR 17887 30 APR
KOL 23 20056 21 SEP
KOL 24 20057 21 SEP
KOL 35 20068 21 SEP
KOL 33 20066 21 SEP
KOL 34 20067 21 SEP
BAY 92 17838 10 APR
KOL 21 20054 21 SEP
KOL 22 20055 21 SEP
KOL 7 FR 24874 27 MAY
KOL 1 FR 22948 5 FEB
KOL 44 20077 21 SEP
KOL 19 20052 21 SEP
KOL 20 20053 21 SEP
KOL 6 FR 24873 27 MAY
KOL 31 20064 21 SEP
KOL 32 20065 21 SEP
KOL 43 20076 21 SEP
KOL 2 FR 22949 5 FEB
KOL 41 20074 21 SEP
KOL 42 20075 21 SEP
KOL 3 FR 22950 5 FEB
KOL 40 20073 21 SEP
KOL 5 FR 24872 27 MAY
KOL 17 20050 21 SEP
KOL 18 20051 21 SEP
KOL 29 20062 21 SEP
KOL 30 20063 21 SEP
KOL 15 20048 21 SEP
KOL 16 20049 21 SEP
KOL 4 FR 24871 27 MAY
KOL 28 20061 21 SEP
KOL 27 20060 21 SEP

QUATSE LAKE
COAL HARBOR
FRANCES LAKE
TWIN LAKES
FACE LAKE
JOE'S LAKE
RED I.D.

M & B BR 1
M & B MAINLINE

LAKE (16 UNITS) #15 13 JUN
RUBY (8 UNITS) #16 13 JUN

BIM 4 20033 25 SEP
BIM 3 20032 25 SEP
SPAM 1 FR 23882 7 MAR
SPAM 2 FR 23883 7 MAR
KEN 2 20202 20 OCT
KEN 1 20201 20 OCT
SPAM 17 FR 23898 7 MAR
KEN 4 20204 20 OCT
KEN 3 20203 20 OCT
SPAM 18 FR 23899 7 MAR
32
KEN 16 23881 7 MAR
35
KEN 6 20206 20 OCT
SPAM 16 FR 23897 7 MAR
KEN 5 20205 20 OCT
SPAM 19 FR 23900 7 MAR
KEN 15 23880 7 MAR
33
34
SPAM 21 FR 24505 17 APR
KEN 14 23879 7 MAR
KEN 13 23878 7 MAR
SPAM 22 FR 24506 17 APR
SPAM 13 FR 23894 7 MAR

M. 34 (145.9 17 ACRES) L 2145 27 SEP
M. 35 (889.14 ACRES) L 2146 27 SEP
M. 31 (459.46 ACRES) L 2140 27 SEP
M. 37 51.65 ACRES L 2155 27 SEP
M. 32 (24.09 Ac) L 2141 & '42 27 SEP
M. 33 (3.42 Ac) LOT 2143 & '44 27 SEP
M 36 (807.43 ACRES) L 2147 27 SEP

ISLAND COPPER PIT
ROAD 1 "COMINCO"
ROAD 2
PIPELINE
DAM FR 35370 30 JUN
ART 4 27229 23 OCT

COVE GROUP of MINERAL CLAIMS

Scale 1in = 1000ft.

INLET

7427

UTAH MINES LTD
PORT HARDY

1. To accompany Assessment Report on COVE GROUP b. J. Lamb P.Eng. Aug 1979
2. Shows location of drill holes E-41 & E-42