

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

5265

92L/12E

November 14th, 1974.

Department of Mines & Petroleum Resources
Parliament Buildings
Victoria,
British Columbia.

Sirs:

This assessment report is being submitted in compliance with Regulations Governing Assessment Work under the Mineral Act, September 1973.

Assessment credits are applied for diamond drilling work, performed between October 1 and October 29, 1974.

The report includes two groupings of claims, the Northwestern and the Southwestern groups. Forms I and B are submitted for each group.

Yours truly,

John Lamb
John Lamb, P. Eng.,
Project Geologist

JL:jh

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5265	MAP.....

STATEMENT OF COSTS
FOR
DIAMOND DRILLING ON THE NORTHWEST AND SOUTHWEST GROUPS
OF MINERAL CLAIMS

A Charges by drill contractor (Connors Drilling Ltd.)

	drilling - \$19,273	
	extra charges - 1,466	
	20,739	\$20,739

B Utah Mines Ltd. - Costs

(a) geologists for one month -	1,600.00	
labourer for one month -	800.00	
(b) core trays and lids -	387.00	
(c) mobilization -	630.00	
(d) site preparation and moving -	700.00	
(e) survey of hole locations -	275.00	
(f) room and board for drill crews 5 men @ \$8.80/day for 30 days -	1,320.00	
(g) supplies and freight -	175.00	
(h) vehicle operation - 200 miles @ 25¢ per mile	50.00	
(i) <u>company overhead @ 25% of labour charge -</u>	600.00	
(j) 69 assays @ \$5.50 each -	379.50	
(k) Cost of report preparation	150.00	
	7,066.50	7,066.50
		27,805.50

Total Cost - \$27,805.50

Footage Drilled - 1,843 ft.

∴ Cost per foot of drilling \$15.09

John Lamb

UTAH MINES LTD.

ISLAND COPPER MINE

PORT HARDY, B.C.

WORK DONE

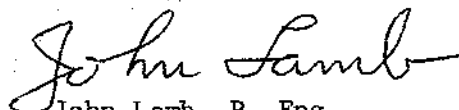
1. Drilling was performed between October 1 and October 29, 1974 on the western end of Island Copper's mineral holdings, about 10 miles south of Port Hardy.
2. Two inclined diamond drill holes were put down close to the Coal Harbour cutoff road (owned by Rayonier) which connects the Utah mine access road with Coal Harbour.
3. Size of core produced - NQ
4. All core is stored at the Island Copper Mine of Utah Mines Ltd.
5. The pertinent data on the holes is:

<u>Hole</u>	<u>Co-ordinates</u>	<u>True Collar El.</u>	<u>Inclination</u>	<u>Bearing</u>	<u>Length</u>
E-27	11324 N 16139 E	220'	-75°	18°	1000'
E-28	11413 N 15739 E	232'	-76°	202°	843'

6. Drill core logs are included with the report. All logging was done by:

Pamela Kaiway, E.I.T. - Junior Geologist
B.A.Sc. - Geological Engineering
University of B.C.

7. An index map is included to illustrate the position of the detailed hole and claim map with reference to the local geography.
8. An itemized statement of costs is included with the report.


John Lamb, P. Eng.,
Project Geologist
UTAH MINES LTD.

#1 Index map
#2 Diamond Drill Hole Locations

HOLE NO. E 27

PROJECT:

PAGE NO. 3 OF 17

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

PMK

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
120							peruas magnet. 118-130 Fragmental Andesite.									
130							dark grey-green-reddish. some green chlor. ghosts, + frags. Fine milky qtz unlets minor epid along one vn. some calc vns. Slightly magnetic abundant py									
140							milky qtz unlets (1/8" wide) 130-223 Very silic Alt'd Fragmt'l Andesite							140		
150							medium grey-red. w alt'd chlor frags. Very silic, fine gr'd, low fracture den. chloritic andes frags varying sizes - $1/8''$ to >1" throughout bleached silic-andes. matrix. Fine qtz unlets, calc inlets. Abundant py - dissemin + in vns. Mod. magnitic				90			150	4.2	
160							hem. stain, light green chlor. alt'd milky qtz unlets pale green chlor. alt'd of silic-alt'd andes									
170							hem. clots.							170		
180							creme-bleached matrix w sub-rounded chlor. alt'd frags, much py + milky qtz unlets, minor gils							180	4.2	

HOLE NO. E 27

PROJECT:

PAGE NO: 4 OF 17

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTI- MATED	
180							130-223 Silic Alt'd Andesite see previous page Bleached silic matrix w. chloritic + some calc veinlets. Abundant py dissem. throughout qtz frags. From 185'-223 less massive silica matrix more frags of qtz + andes. in silic matrix. Fine milky qtz veinlets. Some calc veinlets. Some red-brown hematite blotches.						180			
190							subid'd chlor. frags. qtz un-milky 1" qtz-calc uns. crumbly zone, milky qtz veinlets.				90			200		2
210							Increased calc - veinlets + frags through silic matrix qtz veinlets.							210		
220							epid. in frags crumbly									
230							223-276 Silic Alt'd Fragmental Andesite med. grey, very silic fine gr'd, moderately fractured. Some darker grey, tuffaceous runs but predominantly med to light grey silic matrix w. frags. of green andesite. Some crumbly zones, calc uns. some bleached white matrix areas w. sericitic alt? rings around darker andesite frags. Much pyrite dissem. throughout.				90			230		2
240							very silic, bleached.							240		

HOLE NO. E-27

PROJECT:

PAGE NO: 5 OF 17

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

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DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY SAMP. INT	ESTI-MATED		
240							223-276 Silic Alt'd Fragmental Andesite cont'd - from previous page. qtz matrix w. some calc-qtz white bleaching w. andes. frags. Few milky qtz veinlets often w calc occas. epidote alt? in fractures.										
250							med grey slightly more chlor. andes.				90						
260							tuffaceous, med. grey w. calc + qtz vns. crumbly, slight alt? milky qtz vns, calc-vns small (1/16") calc + chlor. granules slight alt?, crumbly							260		<.2	
270							276-283 darker grey tuffaceous andes. w green epidote vns and clots. Some calc + qtz vns. Scattered py. Some 'dirty' crumbly zones - vns of calc + qtz separated by thin vnet of dark grey muddy matl.				85			270			
280																	
290							283-332 Silic Alt'd Fragmental Andesite. Dark grey-green tuffaceous andes, still very silic matrix cut by runs of lighter grey, bleached silic andes. Frags. larger, some 7" b'x'd. in areas. Epidote spots through tuffaceous runs. Calc veining throughout. - milky qtz vns. chlorite								290		<.2
300							crumbly, alt? qtz, calc, py vns.							300			

HOLE NO. E-27

PROJECT:

PAGE NO: 8 OF 17

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF TO CLAIM CORNER:

COORDINATES:

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DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTI-MATED
420							372-425 see previous page								
430							425-476. Fragmental Andesite-Tuff. Medium grey-green, silic speckled w. chloritic frags. Cut by calc and orange laum veins. Some epid alt ⁿ in fracture veins and bleached spots. Some qtz veining.								
440							laum. veining						440		<.2
450							silic some qtz ² b ^x vns.				92		450		
460							epid spots.								
470													470		
480							476-540 see next page						480		<.2

HOLE NO. E 27

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 9 OF 17

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTIC	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	ESTI-MATED	
							<p>476-540 Fragmental Andesite</p> <p>med grey-green, fine grained, mod fracturing. some silicification and slight bleaching. cut by white and orange calc & zeol veins. Spots of epidote alt? Occas. milky qtz vein. Some dirty grey veinlets separating thin qtz-calc veinlets. Small dark green chloritic frags. Few crumbly zones. Dark grey tuffaceous runs interspersed betw. lighter grey alt'd zones.</p> <p>Multi dissem py, minor epy.</p>									
							<p>epid alt?</p> <p>slight alt?</p> <p>orange laum, & epid alt?</p> <p>tuffaceous run</p>							500		<.2
							<p>qtz vns.</p> <p>scpy.</p> <p>silicif'd matrix w. many frags. subangular.</p>							370		
							<p>bleached. zone some silica, calc. laum.</p>							530		
														540		<.2

HOLE NO. E27

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO. 12 OF 17

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
660							639-676. Fragmental Andesite see previous page.						660		
670							epid. qtz vns, calc.				90				
680							676-728. Fragmental Andesite - silic runs Medium grey w. alt" vnlts + runs. Some dark grey andes., magn'tc. runs. Fine gr'd, well fractured. Silicificat ⁿ - light grey, through matrix w. numerous sub rounded + sub angular frags ~ 1/8" - 1/4" Magnetite - dissem + in blotches. Calc veinlets, minor zeol. Minor epid - alt" in vnlts. Occas qtz vng frag. Some clay alt" vns - 1/2" w. bleached zones on either side. Some portions very silic - qtz eyes growing => QFP? Occas QFP run. Dissem. py throughout. Minor cpy.					680			
690							dissem moly						690		<-2
700							minor dissem cpy. bleached 6"				90		700		<-2
710													710		<-2
720							718 1' QFP. calc vnlts, qtz frags. many sub ang. frags.						720		<-2

HOLE NO. E 27

PROJECT:

PAGE NO. 13 OF 17

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

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DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED	
720							<p>9/3, epid altⁿ. 9/3 un, in alt'd 6".</p> <p>676-728 Fragmental Andesite see previous page.</p>							720		<.2	
730							<p>728-750. Fragmental Tuff. med grey-green, fine gr'd, fair fract. fine calc vnlts. Occas. calc un. w. py, bleached on either side. Minor orange 3eol. Small (<1/8") irreg chloritic frag. Moderately magnetic</p> <p>cpy.</p>							730		<.2	
740							<p>alt'd - qtz, med green andes. 6", w. calc uns. qtz 1/2"</p> <p>Dissem + un'd py. Minor dissem cpy throughout.</p>				90			740		<.2	
750							<p>750 - 835 Silicified Andesite - approaching Qtz - Fspar Porphyry.</p> <p>medium grey silic matrix w. darker chlor frags. Some qtz frags. a brownish altⁿ min. Uns. of calc, qtz + dark muddy mat'l inbedded in 1 or 2" wide run. Some brick red, orange laum. in vnlts + fused or smeared through matrix. Larger calc uns.</p>							750		<.2	
760							<p>qtz eyes forming w dark chlor. frags.</p> <p>very silic light grey bleached</p> <p>calc uns. w. finely dissem mang?</p> <p>silicified, w chlor frags + calc vnlts, laum.</p>						86		770		<.2
780							<p>Dissem. py. Little cpy.</p> <p>well fractured.</p>							780		<.2	

HOLE NO. E 27

PROJECT:

PAGE NO: 14 OF 17

CASING COLLAR ELEV.:

GROUND ELEV.:

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DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
780							750-835 Silicified Andesite - approaching Qtz-Fspar Porphyry.						780		<.2
790							laum-calc vns. cont'd from previous page dissem cpy. mag. vnlets. good cpy. from 775 increasingly well fractured, some well alt'd, gougey vns. Some epidote alt? Dark grey andes. frags, Qtz eyes, calc frags, some Calc + laum vnlets. chloritic green frags & specks in grey silic matrix.						790		
800							laum in matrix calc vnlets. Some magnetite vnlets + disseminations Dissem + veined py. Occas fracture with good cpy.				87		800		0.2
810							minor gils? dissem mag.						810		<.2
820							very silic, fine gr'd						820		
830							well fract'd, crumbly. calc vn. 1", py abund. qtz vns, w. py, calc, moly?						830		<.2
840							well bi'd tuff outlined by calc vnlets. 835 - Fragmental Tuff see following page:						840		

11024 N 16134 E

L 21

COLLAR ELEVATION : 1219.8'

LENGTH : 1000'

INCLINATION :

BEARING : N 18° E

Sample Footage	ASSAY	
	% Cu	% Mo
20-30	.03	.003
50-60	.02	.002
80-90	.03	.003
110-120	.02	.002
140-150	.03	.004
170-180	.02	.002
200-210	.04	.002
230-240	.03	.001
260-270	.03	.001
290-300	.03	.001
320-330	.02	.001
350-360	.04	.001
380-390	.04	.001
410-420	.02	.001
440-450	.02	.001
470-480	.02	.001
500-510	.04	.001
530-540	.02	.002
560-570	.14	.002
590-600	.03	.001

	Sample Footage	ASSAY	
		% Cu	% Mo
1	620-630	.06	.004
2			
3	650-660	.05	.001
4			
5	680-690	.06	.001
6			
7	700-710	.06	.001
8			
9	710-720	.06	.001
10			
11	720-730	.07	.001
12	730-740	.05	.001
13	740-750	.06	.001
14			
15	770-780	.04	.001
16	780-790	.04	.001
17	790-800	.05	.001
18	800-810	.05	.001
19	810-820	.05	.001
20	820-830	.08	.003
21			
22	840-850	.04	.001
23			
24	870-880	.06	.001
25			
26	900-920	.02	.001
27			
28	930-940	.03	.001
29			
30	960-970	.04	.001
31			
32	990-1000	.04	.001
33			
34			
35			
36			
37			
38			
39			
40			

HOLE NO. E 28

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO. 3 OF 15

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	ESTIMATED
120							115-134 Fragmt'l - lapilli Tuff cont'd from previous page hem-calc frags. Some crumbly, gouge unbrts. Dissem py. Weakly magnetic.									
130							crumbly vns, w some gouge epid spotting									
140							6" fine, light green alt" shear w calc, chlor, gouge. med grey-green w specks of dark green chlor andes, mottled spots of creme calc + purplish hematite overtones throughout. Epid spotting. Few fine calc inlets. Occas. qtz violet. Chlor slips w calc.						40			
150							Alt'd, fragmt'l - lapilli tuff. Disseminated py. through. Weakly magnetic, occas magnetite streak. well shattered.						90	150		<.2
160							epid 155-179 Bleached, silicified fragmt'l andesite (lapilli tuff) med grey, silic matrix w. dark green chlor andes frags - most < 1/4", few > 1/2" subround. frags. Epid spotting - fine calc inlets, some frags. White fspar? sub ang. frags. Dark carbonaceous inlets. Hematite overtones, less pronounced than previously. Small qtz spots?							170		
170							white fspar? frags. congluar chlor frags									<.2
180														180		

HOLE NO. E 28

PROJECT:

PAGE NO: 4 OF 15

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

PMK

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT	ESTIMATED		
180						<p>✓ violet gouge, chlor. shear 179-218 Fragmental Andesite</p> <p>finest gr'd tuff interbedded w. beds of minute b'xd frags. light grey-green w. blotches of light sericite hem. bleached andes. epid, py spots, calc, qtz unlets</p> <p>lighter bleached rñ-seric. irreg. epid spots. hem.</p> <p>chlor fragmt'l. w. calc unls; epid, hem spots, py dark sphat. vnlets w calc.</p> <p>slightly alt'd, silicified b'x, calc vnlets, sericite</p>										
190						<p>Dark grey-green w green epidote spotting and white calc veining. Some purplish hematite blotches. Small (<math>2\frac{1}{8}</math>") grey qtz frags. spotted throughout chloritic matrix. Occas. qtz vnlet. Vaguely bedded w. very fine gr'd, lighter grey-green tuff w zones of small angular tuffaceous frags. (b'xd + re-lithified?)</p> <p>Lighter grey-red zones of hem bleached andes. with epid spots, calc, qtz, chlor. Some sericite.</p> <p>Dissem py, few vnlets.</p> <p>Weakly magnetic.</p> <p>Occas sphalerite vnlet in calc un.</p>										
200										90		200		4.2		
210												210				
220						<p>b'xd, minor clay alt'n, sericite 218-413 Fragmental Tuff</p> <p>Medium grey-green, fine gr'd, fair fracture density. Calcite veinlets crossing through core occas vnlet w. muddy dark carbonaceous mat'l. Few spots of red hematite. Occas qtz vnlet interbedded w calc vnlets; epid spots</p> <p>calc vnlets.</p> <p>epid-chlor frags.</p> <p>sphal. specks + vnlets</p>										
230						<p>233-255. - Vns. of calc. studded w. sphal. xtals, some un. formation bordering calc. in smooth grey green tuff.</p>										
240										90		230		4.2		
												240				

HOLE NO. E 28

PROJECT:

PAGE NO: 5 OF 15

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTI- MATED	
240							218 - 413 Fragmental Tuff cont'd from previous page Disseminated pyrite Weak to no magnetism									
250							sphal x'tals in calc vnlts.									
260							epid spots w. dark chlor specks.						260			
270							abundant epid.- large clots. w. calc + qtz x'tals, vnlts.						270		< 2	
280							shattered increasing number of dark chloritic frags.									
290							much epid, hematite staining.						290		< 2	
300													300			

HOLE NO. E 28

PROJECT:

PAGE NO: 8 OF 15

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

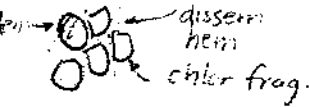
SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED	
420							 <p>dissem hem chlor frag.</p> <p>413-445 fragmt'l Andesite (cont'd) or else surrounding green chlor andes frags Occas. calc vn, orange laum Dissem py.</p>									
430							<p>crumbly, alt'd vn.</p> <p>dark purple-red matrix w. occas andes frag.</p>				87					
440							<p>calc-laum vn.</p>						440		< 2	
450							<p>445-462 Fragmental Andesite</p> <p>med grey-green, med-gr'd, fair fracturing.</p> <p>Abundant <math>\frac{1}{2}</math>" andes. frags, outlined by calc vnlets+ white alt'n, epid alt'n. Some hem frags.</p> <p>hem frags. epid alt' of matrix around chlor. andes. frags. calc vns.</p>				92			450		
460							<p>462-479 Fragmental Andesite</p> <p>med grey green cut by white and pale orange calc+ laum vns. Spots of light green epid, dark red-purple hematite and dark green chloritic andes. frags (<math><\frac{1}{8}</math>") Some andes. frags. in calc vns.+flooding of matrix.</p> <p>salt+pepper epid, chlor+hem. in lighter green matrix</p>							470		
470							<p>Med. gr'd, mod. fracturing.</p> <p>Dissem py.</p>								< 2	
480							<p>fine qtz vnlets. calc-laum vnlets.</p>						480			

HOLE NO. E28

PROJECT:

PAGE NO: 10 OF 15

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED	
540							519-551 Hematite-stained Fragmental Andesite more chlor. frags + chlor. alt. of matrix Hematite in matrix see previous page occas. vns. of alt'd mat'l - calc. qtz, carbonaceous									
550							551-565 Fragmental Andesite dark grey green - chlor-rich matrix + frags. many frags (< 1/8") Some hematite streaks. hem streak laum-calc vns. Fine calc + laum veining Small amt. epid alt. selective in matrix. Dissem. py. Well fractured, med. grid.			87			560			
570							565-580 Fragmental Tuff. med grey green, fine grid fragm'l tuff. Mod. fracturing. Epid alt. in veinlets + spots. Sub ang frags - darker than matrix. Few > 1" Some hematite w. epid. Some calc veining Fine qtz unlets. dark carbonaceous 'beds' slipped w. calc-qtz unlets						570		4.2	
580							580-709 Fragmental Tuff Medium grey green w. some darker runs. Abundant apple green epidote alteration - in fine veinlets - in fractures, and speckled through matrix. Occas. calcite veinlet crossing through core. Minor amts of qtz in fine unlets. Fine grid, well shattered to 600. Dissem. py throughout						590		4.2	
600													600			

HOLE NO. E 28

PROJECT:

PAGE NO: 12 of 15

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED	
660							580-709 Fragmental Andesite epid veining through medium grey-green andesitic tuff. well shattered.									
670							much epid veining mirror hematite dissemin in epid. well shattered 660-680 Calc + qtz veining - qtz replacing calc? in vns. - 2 fused together or white zeolite w. calc.									
680							well bx'd. - calc-qtz fspar frags w. epid in tuff - 2'				87			680		<.1
690							streaks of hematite 1/4" vn. grey qtz frags. bd-d. by orange laum + calc. calc.-qtz vn. w. grey carbonaceous? coating							690		
700							3" calc-qtz flooding through epidote tuff.									
710							709-727 Fragmental Tuff. Med grey green spotted & veined w epidote Fair fracture density, fine grained. Occas. white qtz + calc veinlet. Disseminated py.							710		<.1
720							qtz + calc frags in 1/2" vn.							720		

HOLE NO. E 28

PROJECT:

PAGE NO: 13 OF 15

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED	
720							709-727 Fragmental Tuff orange bleaching around epid vn.									
730							727-740 Fragmental Tuff dark grey-green, fine gr'd, fair fracturing. Epid. spotting + veining Some fine calc veinlets. Occas. orange zeol. Little dissem pyr.				92					
740							740-744 Fragm'l Tuff - light grey green, bleached. fine gr'd w. pale red hem. + buff bleaching. Minute specks of chlor; epid. alt. Fine calc unlets. occas., minor qtz un?						740			<.1
750							744-834 Fragmental Tuff medium grey-green w. mottled areas of lighter grey green colour. Fine gr'd, low fracture density. Epidote alteration in veinlets and spots fused through matrix. Minute chloritic specks. Some large chloritic andesite frags. Few fine calc + orange zeol unlets. Occas. qtz unlet or fragment. Minor occurrence of hematite -						750			
760							qtz-calc 1" calc vns x calc vns occas. dark frag. > 1/2" dark grey-green 1 1/2'				95					
770							qtz-calc uning						770			
780							Disseminated pyrite						780			<.1

COORDINATES: 11413 N 15739 E

E 28

COLLAR ELEVATION: 1231.5'

LENGTH: 843 ft.

INCLINATION: -76°

BEARING: 202° AZ

Sample Footage	ASSAY	
	% Cu	% Mo
1		
2		
3	20-30	.04 .001
4		
5	50-60	.08 .000
6		
7	80-90	.05 .001
8		
9	110-120	.04 .001
10		
11	140-150	.05 .000
12		
13	170-180	.06 .000
14		
15	200-210	.06 .000
16		
17	230-240	.11 .003
18		
19	260-270	.05 .001
20		
21	290-300	.06 .001
22		
23	320-330	.04 .001
24		
25	350-360	.06 .001
26		
27	380-390	.06 .001
28		
29	410-420	.05 .007
30		
31	440-450	.05 .001
32		
33	470-480	.05 .001
34		
35	500-510	.06 .001
36		
37	530-540	.05 .001
38		
39	560-570	.05 .001
40		

Sample Footage	ASSAY	
	% W	% Mo
590-600	.05	.001
620-630	.05	.001
650-660	.05	.001
680-690	.05	.001
710-720	.05	.002
740-750	.06	.004
770-780	.05	.002
800-810	.05	.002

TP. 9

L.



SEC. 14

SEC. 1
QUATSINO

TP. 10

SEC. 25

SEC. 24

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5265 MAP #2

UTAH MINES LIMITED
NANAIMO B.C. PORT HARDY
DIAMOND DRILL
HOLE LOCATIONS: E-27, E-28
SCALE 1 IN = 1000 FT.

RUPERT
INLET 5265
MAP 2

To Accompany Assessment Report by J. Lamb November 1974