UTAH MINES LTD.

PORT HARDY, B.C. VON 2PO TELEPHONE (604) 949-6326

June 27th, 1980.

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

Dear Sirs,

Re: ASSESSMENT REPORT - West Group of Mineral Claims

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

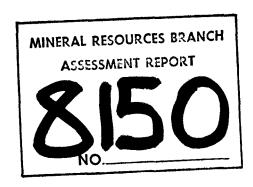
Credit is requested for diamond drilling performed between June 4th and June 11th, 1980.

Yours truly,

John Lamb, P. Eng., Project Geologist.

JL:ebh

attachments:



REPORT ON DIAMOND DRILLING SUBMITTED FOR

ASSESSMENT WORK ON THE WEST GROUP OF

MINERAL CLAIMS

Latitude 50° 37½' N

Longitude 127° 32' W

Mining Division - Nanaimo

N.T.S. Location - Map 92 L/ 12 1:50000

Detailed Location - About 9 Miles South of

Port Hardy, close to the

highway leading to

Coal Harbor.

Owners - Utah Mines Ltd., and

Gordon Milbourne.

Operator - Utah Mines Ltd.

Author - John Lamb, P. Eng.

Date Submitted - July 2nd, 1980.

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STATEMENT OF COSTS	2
RESULTS	3
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Maps:

- (1) Claim map showing location of drill holes.
- (2) Index map, Sheet $92^{L}/11$ NTS.

Appendices:

- (1) Copy of drilling contract.
- (2) Copy of drill hole logs.

OBJECTIVE:

The holes were drilled near the west boundary of the Island Copper mineral claims. Located specifically on mineral claim

Coir No. 4 (17850), they are approximately on strike and 4 km. westerly from the present open pit. Although rock outcrop is sparse in this area, the presence of one small knob of quartz-feldspar porphyry, offered some encouragement that related mineralization might be found nearby.

Work Performed:

- 1) Two holes were diamond drilled between the 4th and 11th of June, 1980. Both holes were drilled to NQ size.
- 2) Located on Coir 4 M.C. (17850), they are on a dormant logging road running parallel to and 213 meters south of the main highway leading to Coal Harbor, which is about 4.4 km to the south west.
- 3) Hole Particulars are:

<u>Hole</u>	Inclination	Length	Collar Elev.	Collar Co-ordinates
W-1	-90 ⁰	121.9 M	69.75 M	13900 N 11350 E
W-2	-90°	108.8 M	70.10 M	14250 N 12000 E

The survey co-ordinate positions of the holes are based on the system in use at the mine.

- 4) Drill core logs are attached to the report. Logging was done by J. Lamb, P.Eng., BASc., MASc., University of B.C., who is on the staff at the mine. The core is stored at the mine site.
- 5) An itemized cost statement is included in the report.
- 6) A copy of the drilling contract is included. Signed by both Utah Mines Ltd., and Connors Drilling Ltd., it forms the agreement under which the drilling was performed.
- 7) An index map (1:50000 NTS) and a detailed claim map (1:12000) form part of the report, showing the locations of the two holes and the extent of the West Group.

STATEMENT OF COSTS

FOR THE

WEST GROUP OF CLAIMS

CONTRACTOR'S CHARGES:

<u>Overburden</u> -	(T)				1
Hole W-1 Hole W-2	(Feet) 0 - 32 0 - 24	@ \$19.35 @ \$19.35	=	\$	619.20 464.40
Rock -	(E+)				
	<u>(Feet)</u> 32 - 400 24 - 357	@ \$17.95 @ \$17.95	= =		6,605.60 5,977.35
<u>Field Costs</u> -					
Setting up, re	eaming, wa	iter lines,	etc. =	:	1,560.00
Extra Charges	-				
Mobilization charges for	_	5% of total	=		600.00
UTAH COSTS:					
1) Core Ho	use Labouı	:	=		400.00
2) Geologi	cal Superv	rision	=	-	1,000.00
	Overhead r Plus Sup		=		560.00
4) Core Box	xes 40 @ \$	4.25	=		170.00
•	d Board - for 8 Day	s @ \$18.00/	day =		576.00
6) Prepara	tion of Re	port	=		450.00
7) Survey	of Holes		=		400.00
8) Vehicle	Op'n 100	mi @ 30 [°] /m	=		30.00
				\$19	,412.55

Total Footage Drilled W-1 - 400 W-2 - <u>357</u>

757 feet

. . Cost per foot drilled - \$25.64

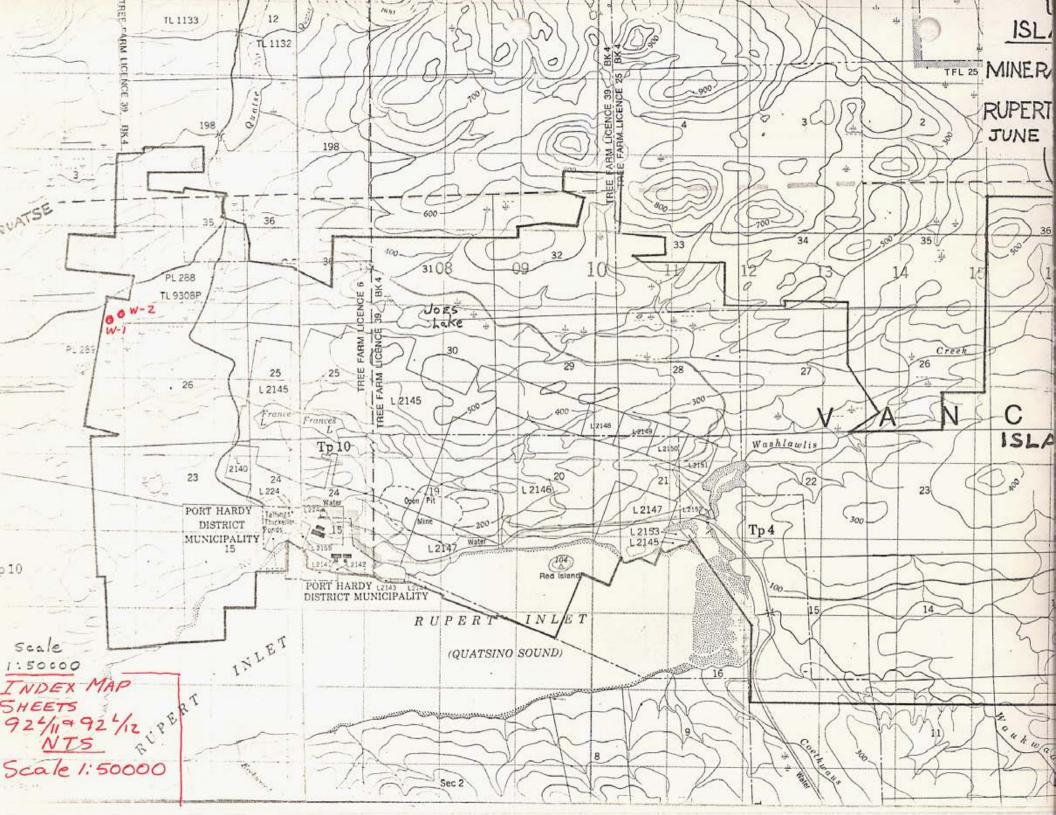
RESULTS:

Both holes penetrated essentially similar rock, which is a close packed dark blue-green lapilli tuff with occasional narrow interbedded fine sandy tuff. Many of the lapilli themselves are composed of earlier light colored rhyolite tuff which had been broken and re-worked by later explosive pyroclastic ejections. Except for a pervasive low grade chloritization and a few narrow calcite stringers, the rock is fresh in appearance.

CONCLUSION:

The absence of the type of rock alteration usually associated with copper mineralization, is an indication that the area around holes W-1 and W-2, doesn't have much promise in this respect.

John Famle P. Eng



Box 1657, Merritt, B.C. VOK 2BO

What have been seen as the second of th

May 5, 1980

Utah Mines Ltd., Box 370, Port Hardy, B.C., VON 2P0

Attention: John Lamb Island Copper Mine

Dear John;

This is further to the discussion with you and our Mr. Wayne Beaupre ...

- 1) NQ3 core drilling will be charged at 0.60 per foot more than the NQ prices, retro-active from the start of the 1980 drilling program.
- 2) Connors Drilling will supply a 25R drill mounted on a truck for your drilling where there will be long moves. These holes will be NQ size and drilled at minus 90 degrees.
- 3) Mob for the truck mount, from Connors base of operations to Island Copper will be a lump sum of \$2,000.00
- 4) De-mob from Island Copper to Connors base of operations will be a lump sum of \$2,000.00

Yours truly

R. Griffiths

Regional Manager

Accepted

Connors Drilling

Accepted

Island Copper Mine

c/c
Bob Hindson
Frank Tagami
Joe Benard

RTG/mg



Signal Contract, Suite 205 - 1201 West Pender Street, Vancouver, B.C. V6E 2V2 • (604) 683-2222

February 12, 1980

Utah Mines Ltd. Island Copper Mine P.O. Box 370 Port Hardy, B.C. VON 2P0

Attention: Mr. John Lamb

Dear John:

Please find enclosed three copies of our bid for your drilling job near Port Hardy, B.C.

If you have any questions, don't hesitate to phone myself or Joe Benard at 683-2222.

Yours truly,

CONNORS DRILLING

R. Griffiths Division Manager

RTG/tvb

Enclosures

cc: F. Tagami

R. Hindson

J. Benard



Suite 205 - 1201 West Pender Street, Vancouver, B.C. V6E 2V2 • (604) 683-2222

MEMORANDUM OF AGREEMENT made this 11th day of February 1980.

BETWEEN: UTAH MINES LTD.

Island Copper Mine

P.O. Box 370 Port Hardy, B.C.

VON 2P0

(hereinafter referred to as the "COMPANY")

AND:

CONNORS DRILLING

Division of Bow Valley Resource Services Ltd.

205 - 1201 West Pender Street

Vancouver, B.C.

V6E 2V2

(hereinafter referred to as the "CONTRACTOR")

The CONTRACTOR agrees to perform diamond drilling on the lands of the COMPANY situated near Port Hardy, B.C. on the following terms and conditions, on 15 days acceptance.

SPECIFICATIONS:

The CONTRACTOR agrees to sink by piping or to bore by diamond drilling ninety-two hundred (9,200) linear feet. And the COMPANY guarantees to the CONTRACTOR a minimum footage of ninety-two hundred (9,200) linear feet in approximately eleven (11) holes with a maximum length or depth of twenty-two hundred (2,200) feet at an angle no flatter than minus forty-five (-45) degrees from the horizontal.

It is agreed that the core from the holes shall be approximately 1 7/8 inches in diameter known as NQ in the trade, and that said core shall be kept in boxes provided by the COMPANY.

COMMENCEMENT AND EXECUTION OF WORK:

Work shall be commenced on or around March 1, 1980 with two crews working ten hour shifts, seven days per week or as near that schedule as can be maintained.

Cont'd

PRICES:

a) Mobilization

From the CONTRACTOR'S base of operations to the truck offloading point, for equipment and crew, at a lump sum of \$2,000.00.

b) Demobilization

From the truck loading point to the CONTRACTOR'S base of operations, for equipment and crew, at a lump sum of \$1,500.00.

c) For Drilling in Bedrock

	NQ Size	•
From	<u>To</u>	Price/Foot
0'	500'	\$17.95
501'	1,000'	\$19.35
1,001'	1,500'	\$20.90
1,501'	2,000'	\$22.60
2,001'	2,500'	\$24.40

d) Overburden

For piping and/or drilling in overbruden at an angle no flatter than -45 degrees from the horizontal: from 0 to 50 feet at \$19.35 per foot.

If the depth of overburden exceeds 50 feet, and the cost exceeds the quoted price per foot, then the price for penetrating overburden for that hole will be at COST.

Prices do not include the COST of calcium chloride, drilling mud and/or drilling mud additives. If required, these will be invoiced to the COMPANY at COST.

The COMPANY will pay at COST for all materials left in holes, or will pay at COST for recovering such material.

e) Cementing and Reaming

It is agreed that if a hole required cementing, wedging, reaming, etc., to allow drilling to proceed, the COMPANY will pay the CONTRACTOR at COST.

f) <u>Cost</u>

Any reference to COST in this Agreement shall be interpreted as follows:

All labour provided by the CONTRACTOR up to 10 hours per man per day (70 hours per man per week), will be at the all-inclusive rate of \$23.00 per man hour.

All material, supplies or services provided by the CONTRACTOR will be charged for at their COST, plus transportation, sales tax and a nominal 15% for accounting, et cetera.

Where applicable such as in piping, reaming, cementing, wedging and testing, machine time will be charged at the rate of \$25.00 per hour, including fuel and oil.

g) Moves

It is agreed that the COMPANY will pay at COST for all moving between holes, over 20 man hours per move.

If the CONTRACTOR is required to move back on an old hole for any purpose, the COMPANY will pay the CONTRACTOR at COST for moving to and cleaning out the old hole.

The COMPANY will pay the CONTRACTOR at COST for moving on a hole when there is less than 500 feet of core drilling in that hole.

Moving shall be interpreted to include tearing down, dismantling machinery, moving, securing timber, transportation, site preparation, setting up and laying and dismantling waterlines.

h) Walking Time or Travelling Time

The COMPANY will pay for all travelling time over one-half hour per man per shift, at the rate of \$20.00 per man hour.

i) Water

The COMPANY agrees to pay at COST of supplying and maintaining water supply lines from an adequate source to the drill site when such distance exceeds 3,000 feet or lifts of 150 feet in the non-freezing season and 1,500 feet or lifts of 150 feet in the freezing season.

j) <u>Delays</u>

It is agreed that at the same time the COMPANY notifies the CONTRACTOR to cease drilling on a hole, the COMPANY will also inform the CONTRACTOR of the site of the new hole to be drilled. Should the COMPANY fail to locate sites or for any cause which is responsible for the delay of the operation of the drill, the COMPANY agrees to pay the CONTRACTOR at "standby rate" for the period that the operation of the drill has been delayed by such failure.

k) Standby

Standard rate will be \$70.00 per shift hour.

When the COMPANY requests equipment remain on location, the standby rental rate, non-operated will be as follows; drill including drilling equipment at \$3,000 per month, plus the cost of demobilizing and mobilizing drill crew.

1) Tests

The CONTRACTOR will furnish a clinometer, test tubes and hydrofluoric acid and make tests for vertical angle only as required by the COMPANY for a charge of \$85.00 per test. Tropari tests will be made at COST.

m) Core Orientation Surveys

Core orientation surveys, if taken, at \$90.00 per shift hour, -plus \$7.00 per foot for the footage drilled while taking the -surveys. 91.

n) Core Boxes

The CONTRACTOR will supply, if requested, core boxes at COST, plus 15%.

o) Board and Lodging

The COMPANY will supply room and board for the CONTRACTOR'S crews at no cost to the CONTRACTOR.

p) Payments

Invoices will be rendered twice monthly, covering the preceding half month, and will be due and payable in full, in Canadian funds, within 30 days of issue. Interest will be charged on past due accounts at the rate of 18% per annum after 30 days of issue.

q) Machinery and Equipment

The CONTRACTOR will supply one unitized 44 drill complete with mud sloop, rod sloop, rods, core barrels, grease, diamond items, tools, etc.

q) <u>Transportation</u>

The CONTRACTOR will supply a 4x4 truck for it's crews use at no cost to the COMPANY. The COMPANY will supply a tractor to move the CONTRACTOR'S drill at no cost to the CONTRACTOR.

GENERAL:

- a) It is agreed that the CONTRACTOR shall pipe and drill on the site selected by the COMPANY'S Representative and will deliver at the drill site only to such person as the COMPANY may designate all cores taken from the holes drilled.
- b) The CONTRACTOR does not guarantee the direction of the hole beyond the collar.

- c) The COMPANY shall provide, at no COST to the CONTRACTOR, all rights of way of ingress and egress to all lands that may be required to enable the CONTRACTOR to carry out the work as specified. The CONTRACTOR shall be permitted to cut and fell any timber on the COMPANY'S property as may be required in the course of the work hereunder, and the COMPANY shall indemnify and save harmless the CONTRACTOR from any assessment for stumpage or other charges of every kind and nature.
- d) Upon completion of the work herein contracted to be performed the CONTRACTOR shall have the right to remove within a reasonable length of time all temporary buildings and other fixtures including trade fixtures, machinery, equipment and appliances placed upon such lands.
- e) It is agreed that, should a cavity or loose and caving material be encountered at a depth which would prevent successful drilling, the CONTRACTOR does not guarantee to drill or sink a hole to any specified depth, but will drill or sink as is practical under existing overburden and rock conditions and the COMPANY will pay for every foot sunk and drilled.
- f) The CONTRACTOR agrees to carry and pay for all proper Workmen's Compensation to cover injuries to all employed by the CONTRACTOR on the property of the COMPANY.
- g) All COST resulting from the enforcement of government regulations or legislation concerning land use or pollution control measures which may be applied to the work will be borne by the COMPANY.
- h) This Agreement and any dispute arising hereunder shall be interpreted and determined in accordance with the laws of the Province of British Columbia.
- i) The CONTRACTOR shall not be held responsible for any delays in carrying out the obligations of this Agreement resulting from Acts of God, strikes, fires, casualties, or other causes beyond the CONTRACTOR'S control.
- j) All Government sales taxes and social benefits in force at time of signing this Contract are included in the quoted prices.

 All COST increases due to legislated tax or benefit increases which arise after signing of the Contract, will be chargeable to the COMPANY.

k) This Contract will not be be approved in writing by an of	inding upon the COMPANY until fficer thereof at its Head Office.
IN WITNESS WHEREOF the	parties hereto have hereunder set
their hands this day of	of 19 .
Signed and Delivered in the presence of:	UTAH MINES LTD.
Witness	Per S. al. Title V. P. J. M. Marga
	CONNORS DRILLING, Division of Bow Valley Resource Services Ltd.
Witness	Per R Jaffad Title



Box 1657, Merritt, B.C. V0K 2B0

February 29, 1980

Utah Mines Ltd., Island Copper Mine, Box 370, Port Hardy, B.C., VON 2P0

Attention: Mr. John Lamb.

Dear John;

This is in regard to our telephone conversation on core orientation surveys.

It is my understanding that there will be no coring while taking core orientation surveys.

The Company will supply all special equipment to take the surveys.

Connors Drilling will supply the labour and drilling equipment needed at \$90.00 per shift hour.

Trusting this meets with your approval;

Yours truly,

R. Griffiths

Regional Manager

c/c
Joe Benard
Frank Tagami
Bob Hindson

RTG/mg

Appendix 2

DRILL HOLE LOGS HOLES W-1 9 W-2

HOLE NO. W-/ PROJECT: ISLAND COPPER PAGE NO: OF 7 CASING COLLAR ELEV. DATE STARTED: 5 JUN 80 GROUND ELEV .: REF. TO CLAIM CORNER: DATE FINISHED: 8JUN 80 SCALE: 1:120 INCLINATION: -90° TOTAL DEPTH: 400 FT. (121.9 m.) LOGGED BY: J.L. west property bounday, just below the Coal Harbor highway ALTERATION AVE CORE REC'Y / HOLE MATED DESCRIPTIVE GEOLOGY 20 (0-9.75m.) No core through overburden. 30-(9.75 - 26.21m) pilli tuff; with both pale green frags of lithic tuff up to L' and fine dark angular tuff frags.

Suggestion of coarse body in alternating coarse & fine layers in places

A few minor calc fracs Clot of mag. @ 82'
A little faint hem in some frags past

HOLE NO. W-/ PAGE NO: 2 OF 7 PROJECT: GASING COLLAR ELEV.: GROUND ELEV .: DATE STARTED: REF. TO CLAIM CORNER: COORDINATES: DATE FINISHED: SCALE: INCLINATION: BEARING: LOGGED BY: J. L TOTAL DEPTH ALTERATION COMMENTS: AVE CORE REC'Y / HOLE ESTI-FRACTURING MATED MINERAL GEOLOGY SAMPLE INTERVAL SECTION DESCRIPTIVE GEOLOGY 80 32-86 Sec P-1 (26.21 m = 42.67m) Dark blue-green lapilli toff

W. some f.gr. lithic bands

Alternating coarse close-packed frags

A fine gr phases represent bidg

structure.

Core shared

To much broken

The gring of two angular limey frags

resemble pieces of Quatsino lms.

Some hem. coloration in certain

frags. 90--100--120-

PAGE NO: 3 OF 7 HOLE NO. W-PROJECT: GASING COLLAR ELEV .: GROUND ELEV, DATE STARTED: REF. TO CLAIM CORNER: COORDINATES: DATE FINISHED: SCALE: LOGGED BY : J. L INCLINATION: BEARING: TOTAL DEPTH: ALTERATION COMMENTS: AVE CORE ESTI-FRACTURING REC'Y / HOLE MATED MINERAL GEOLOGY DRILLING
INTERVAL
% CORE
RECOVERED
CORE SECTION DESCRIPTIVE **GEOLOGY** 140-200
(42.67m-60.96m) Alternating cruede beds fine

of coarse gr. lap. tuff. Both

pale & dark frags, w. tiny black

frags in them represent previously

formed tuffs. Occasional sharp -150 A rounded frags to 2" size. A few frags red w. hematite Some narrow white calc. vts. -170-

PROJECT: PAGE NO: 4 OF 7 GASING COLLAR ELEV.: GROUND ELEV .: DATE STARTED: REF. TO CLAIM CORNER: COORDINATES: DATE FINISHED: SCALE: INCLINATION: BEARING: TOTAL DEPTH: LOGGED BY : ALTERATION COMMENTS: AVE CORE REC'Y / HOLE ESTI-FRACTURING MINERAL MATED SECTION DRILLING
INTERVAL
% CORE
RECOVERED
CORE
SIZE DESCRIPTIVE GEOLOGY -200 (66.96m-19.25m) airly coarse lapilli toff w.

narrow heds f. gr. toff. Occasional

bddg frags to 2" size Some hematite

coloration in certain frags

A few narrow was white cale -210--240-

PROJECT: GASING COLLAR ELEV,; GROUND ELEV,: DATE STARTED: REF. TO CLAIM CORNER: DATE FINISHED: SCALE: COORDINATES: LOGGED BY : J.Z. BEARING: TOTAL DEPTH: INCLINATION: AVE CORE REC'Y / HOLE ALTERATION COMMENTS: ESTI-DRILLING
INTERVAL
% CORE
RECOVERED
CORE
SIZE FRACTURING SULPHIDES MATED SAMPLE INTERVAL % REC'Y. SAMP. INT. MINERAL GEOLOGY SECTION DESCRIPTIVE GEOLOGY (79.25 m - 97.5 m) ap tuff. -280--300

HOLE NO. W-/ PROJECT: PAGE NO: 6 OF 7 CASING COLLAR ELEV .: DATE STARTED: REF. TO CLAIM CORNER: COORDINATES: DATE FINISHED: SCALE: INCLINATION: BEARING: TOTAL DEPTH: LOGGED BY: 7 ALTERATION COMMENTS: AVE CORE REC'Y / HOLE ESTI-FRACTURING MINERAL MATED SECTION GEOLOGY DESCRIPTIVE GEOLOGY (97.54 m-115.82m) Dark blue- green packed apilli tuff. From 355 to 371 color is pale green rhyolitic. Patchy white cake vlts. -350

PAGE NO: 7 OF 7 GASING COLLAR ELEV .: GROUND ELEV .: DATE STARTED: REF. TO CLAIM CORNER: COORDINATES: DATE FINISHED: SCALE: LOGGED BY : INCLINATION: BEARING: TOTAL DEPTH ALTERATION COMMENTS: AVE CORE ESTI-REC'Y / HOLE RACTURING MATED MINERAL GEOLOGY SECTION DESCRIPTIVE GEOLOGY 380 (115.8m-121.9m) rhyolitic lap tuff w. close pocked frags, most less than 4. A few up to 3" size Thin cale ults Wa Note

Note

There is a uniformity to this
rock & lack of the alteration minerals
(9tz, mag, epid etc) one expects w.
rock near mineral zones. On the
whole it is too fresh in appearance

PROJECT: TSLAND COPPER HOLE NO. W- 2 PAGE NO: OF 6 FASING COLLAR ELEV .: DATE STARTED: 8 June 80 GROUND ELEV, REF. TO CLAIM CORNER: DATE FINISHED: 11 JUNE 80 SCALE: /:/20 COORDINATES: INCLINATION: - 900 TOTAL DEPTH: 357 FT. (108.81 m) LOGGED BY : T. L BEARING: on Coir 4 claim near West ALTERATION COMMENTS: Drilled AVE CORE REC'Y / HOLE ESTIboundary of property. Condemnation y assessment hole. DRILLING
INTERVAL
% CORE
RECOVERED
CORE
SIZE FRACTURING MATED MINERAL SECTION DESCRIPTIVE GEOLOGY 20 Overburden. No core 0-24 (0-7.22m) 110 24-80 - Dark blue-green prominent
(7.22m-24.38m) toff. Non magite. Frags of
pale lap. toff & also chert embedded in
in motivix. (Some frags to 2", most below a

Plew white narrow calcults. 30 40-50-60-70

HOLE NO. W-Z PAGE NO: 2 OF 6 PROJECT: GASING COLLAR ELEV .: GROUND ELEV, DATE STARTED: REF. TO CLAIM CORNER: DATE FINISHED: SCALE: COORDINATES: INCLINATION: BEARING: TOTAL DEPTH: LOGGED BY : ALTERATION COMMENTS: AVE CORE ESTI-REC'Y / HOLE FRACTURING MATED MINERAL GEOLOGY SECTION DESCRIPTIVE GEOLOGY (24.38m-43.58m), To 127 closely packed coarse lapt of changing from dark to pale blue green. Most frags below 4, a few up to 3" Some hematite coloring 90· a few frags
From 127 - 143 - Fine grained grayish
lithic tuff. Has dendritic streaks
of manganese on occ. fracs.
Occ. thin calc ults. At 134 a
little epid. on a 1 calc un.
Some fract's coated w py 100-120

HOLE NO. W-2 PAGE NO: 3 OF 6 PROJECT: GASING COLLAR ELEV. GROUND ELEV,; DATE STARTED: REF. TO CLAIM CORNER: DATE FINISHED: SCALE: COORDINATES: TOTAL DEPTH: LOGGED BY: J.L INCLINATION: AVE CORE REC'Y / HOLE ALTERATION COMMENTS: ESTI-MATED FRACTURING MINERAL SECTION DESCRIPTIVE **GEOLOGY** 80-143 - See P.Z. NQ 143-160 - Med to dk gray close packed (43.58m-48.77m) toff w frags mostly small w. a few up to 1" Most frags pale tuffaceous but a few tiny jet black ones; may be pieces of Parson's Bay fm. (48.77 M-68.89M) tuff, dk gray to 177, dark green beyond that.
To 177, numerous large pale gray
rhyolitic tuff frags. to 1"size

177-224, fine frags dark green-black
w. some larger pale green tuff frags
Minor narrow. f. gr. tuff bonds. 180

HOLE NO. W-2 PAGE NO: 4 OF 6 PROJECT: CASING COLLAR ELEV. GROUND ELEV,; DATE STARTED REF. TO CLAIM CORNER: COORDINATES: BEARING: LOGGED BY : INCLINATION: TOTAL DEPTH: ALTERATION AVE CORE **COMMENTS:** ESTI-REC'Y / HOLE MATED FRACTURING MINERAL SECTION DESCRIPTIVE GEOLOGY 160-224 - See P.3 (48.77M-68.89M) -210 -220-224-264-Dark gray-green close packed (68.89m-81.08Mapilli tuff. w. a few larger frags to 2" size. Occasional bands of f.gr. tuff w cherty, quite narrow.

Minor thin irreg white calc vlts. 230 crude bodg. -240--256-

PAGE NO: 5 OF 6 HOLE NO. W-Z PROJECT : CASING COLLAR ELEV. GROUND ELEV. DATE STARTED REF. TO CLAIM CORNER: SCALE: DATE FINISHED: COORDINATES: TOTAL DEPTH LOGGED BY : INCLINATION: BEARING: ALTERATION COMMENTS: AVE CORE ESTI-REC'Y / HOLE MATED RACTURING DRILLING INTERVAL % CORE RECOVERE MINERAL GEOLOGY **GEOLOGY** DESCRIPTIVE NQ (81.08 M-92.35 M) gray lap. tust., closely packed w. fine frags rocc. large pale tust frags from 278 - 303 core much shatted lapilli tust. w. speeks reams white cak. -<u>1</u>70 / -230--290 sheared a broken Numerous close-spaced slips 300 3"wh. 303-352 - Dk. gray-green lap toff, (9235M-107.29M) close packed w some larger frags of pale lap toff to T'sIZE. Faint hem. staining in certain frags. A few fine gr. toff bands.

gr. toff bands.

crude layering Sparse thin vtts. calc. -3/0-

PAGE NO: 6 PROJECT: GASING COLLAR ELEV .: REF. TO CLAIM CORNER: GROUND ELEV,: DATE STARTED: SCALE: COORDINATES: DATE FINISHED: LOGGED BY : BEARING: TOTAL DEPTH: INCLINATION: ALTERATION AVE CORE ESTI-COMMENTS: REC'Y / HOLE DRILLING
INTERVAL
% CORE
RECOVERED
CORE
SIZE MATED FRACTURING MINERAL SAMPLE SECTION **GEOLOGY** DESCRIPTIVE 320 303-352 - See P5. (92.35 M-107.29 M) WC -330-340 _350. (107.29M-108.81M)

352-357 - Dark gray closely packed

|apilli tuff wa few bands fine granular 1/4,

END OF HOLE -360 357 FT. 370

CLAIM MAP

showing

LOCATIONS of drill holes

W-1 & W-2

5 cale 1:12000 (1"=1000')

SCALE 1: 12000	
0 500 1000	I PORT I HARDY
METERS	BAY 87 BAY 88
UTAH MINE ETD.	BEN FR 17833 17834 10 APR. 1 WEST GROUP
30/8	BEN FR.
PORT HARDY	CORK FR 29 APR of mineral claims
	31677 29 APR
R	BEN15 BAY86
	33595 17832 BAY 69
7	3MAR 10 APR. 17773 BAY 70
LAKE	26FEB
	17831 BAY 68
	IOAPR. BARI I
8082	27499
33634 BOB	RAV 84
26 APR. 26 APR	17830 BAY 56
	10 APR. 17760
- To accompany assessment report on WEST GROUP by	17763 BAY 61
J. Lamb, JULY 1980	26 FEB 17765 BAY 63 17767 26 FEB 17767
	17829 BAY 57 1 26 FEB BAY 52 17754
2 Location of drill holes W-1 4 W-2	TOTAL TOTAL BATTLE
	26 FEB 1,7762 BAY 60
17850	26FEB 17764 BAY 62
COAL HARBOR W.Z	17828 BAY 54 1 26 FEB 17766 BAY 53 26 FEB 17767
W. J	10 APR 17758 GOVE 20
	26FEB 18123
COIR 3 1 A	10AUG
1000 (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000)	7827
10	APR BAY 55 17759 COUT 10 ART 6 FR
COIR 2 ROLLO	27441ii
17848 17846	10AUS A STATE
IOAPR IOAPR	C-17
	BAY 98 BAY 96 BAY 22
COIR 1	10APR + 17842 17726 V
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10 APR. BAY ## 99	33593 ART NOFR FRANCES LAKE
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	VALGER FACE COIR T M. 31
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