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85-1126-1439A



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Drilling	\$82,535.74

AUTHOR(S) .. J.B. Richards..... SIGNATURE(S) .. *J.B. Richards*.....

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED NOV. 12, 1985..... YEAR OF WORK 1985.

PROPERTY NAME(S) Expo.....

COMMODITIES PRESENT ~~...~~ Cu, Mo.....

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 92L-240.....

MINING DIVISION Nanaimo..... NTS 92L/12W.....

LATITUDE ~~...~~ 50° 40.5'..... LONGITUDE ~~...~~ 127° 51.5'.....

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Expo 1-1015 (1015 units total), Don Fr. 1-16 (16 units total), Hep 1-101 (101 units total), Pemberton 1 (10 units), Pemberton 2 (20 units), Pemberton 3 (15 units), Pemberton 6 FA (1 unit)

OWNER(S) (1) Utah Mines Ltd. (2)

MAILING ADDRESS 1600-1050 W. Pender Street Vancouver, B.C. V6E 3S7.....

OPERATOR(S) (that is, Company paying for the work) (1) Utah Mines Ltd. (2)

MAILING ADDRESS 1600-1050 W. Pender St. Vancouver, B.C. V6E 3S7.....

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The property is underlain by Jurassic Bonanza volcanics consisting of andesitic pyroclastics that strongly altered, leaving a silica zone. Alteration is thought to be due to acid leaching from oxidation of pyrite. Anomalous surface rock geochemical values were duplicated in drilling but no economic concentrations were found.

REFERENCES TO PREVIOUS WORK.....

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground	.....	.....	.....
Photo	.....	.....	.....
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	.....	.....	.....
Electromagnetic	.....	.....	.....
Induced Polarization	.....	.....	.....
Radiometric	.....	.....	.....
Seismic	.....	.....	.....
Other	.....	.....	.....
Airborne	.....	.....	.....
GEOCHEMICAL (number of samples analysed for)			
Soil	.....	.....	.....
Silt	.....	.....	.....
Rock	.....	.....	.....
Other	.....	.....	.....
DRILLING (total metres; number of holes, size)			
Core <u>DIAD</u>	.. 605.9 m; 3 holes; NQ	Expo 548, 558, Pemberton 2	82535.74
Non-core	.....	.....	.....
RELATED TECHNICAL			
Sampling/assaying <u>SAMP. 203; Au, multi element</u>	.....	.....	.....
Petrographic	.....	.....	.....
Mineralogic	.....	.....	.....
Metallurgic	.....	.....	.....
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)	.....	.....	.....
Topographic (scale, area)	.....	.....	.....
Photogrammetric (scale, area)	.....	.....	.....
Line/grid (kilometres)	.....	.....	.....
Road, local access (kilometres)	.....	.....	.....
Trench (metres)	.....	.....	.....
Underground (metres)	.....	.....	.....
Balance - nil			
			TOTAL COST 82535.74

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report) .. 82,535.74	Utah Mines Ltd.	1/ Statement of qualifications needs signature 2/ Drill logs should be metric 3/ Drill sections could be useful Information Class ③
Value of work approved .. 82,535.74		.....	.....
Value claimed (from statement) 107,000.00		.....	.....
Value credited to PAC account		.....	.....
Value debited to PAC account .. 24,464.26		.....	24,464.26
Accepted <u>GO</u> Date <u>June 2/86</u>	Rept. No. <u>85-1126-1939A</u>



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

FILMED

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

85-1126-14394

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Drilling	\$82,535.74

AUTHOR(S) J.B. Richards SIGNATURE(S) [Signature]

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED NOV. 12, 1985 YEAR OF WORK 1985

PROPERTY NAME(S) Expo

COMMODITIES PRESENT Cu, Mo

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 92L-240

MINING DIVISION Nanaimo NTS 92L/12W

LATITUDE 50° 40.5' LONGITUDE 127° 51.5'

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MAILING ADDRESS 1600-1050 W. Pender St. Vancouver, B.C. V6E 3S7

14,394

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REFERENCES TO PREVIOUS WORK

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GEOLOGICAL (scale, area)			
Ground
Photo
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic
Electromagnetic
Induced Polarization
Radiometric
Seismic
Other
Airborne
GEOCHEMICAL (number of samples analysed for)			
Soil
Silt
Rock
Other
<u>DRILLING</u> (total metres; number of holes, size)			
Core <u>DIAD</u> .. 605.9 m; 3 holes; NQ.		Expo 548, 558, Pemberton 2	82535.74
Non-core
<u>RELATED TECHNICAL</u>			
Sampling/assaying <u>SAMP 203; Au, multi element</u>			
Petrographic
Mineralogic
Metallurgic
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)
Topographic (scale, area)
Photogrammetric (scale, area)
Line/grid (kilometres)
Road, local access (kilometres)
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Accepted <u>GO</u> .. Date <u>June 2/86</u>	Rept. No. <u>ES-1126-14394</u>			Information Class <u>(3)</u>

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MINISTRY OF ENERGY, MINES
AND PETROLEUM RESOURCES

Rec'd FEB 7 1986

SUBJECT _____

FILE _____

VANCOUVER, B.C.

INTRODUCTION

Location and Access

The property is centered on Pemberton Hills 16 km east of Holberg. It lies within Western Forest Products Ltd, Tree Farm License No. 6. Access is by way of Western Forest Products Ltd. logging roads, Hushamu Main from Coal Harbour to the drilling area. Drill site access was by helicopter. See Index Map on following page.

Property Definition

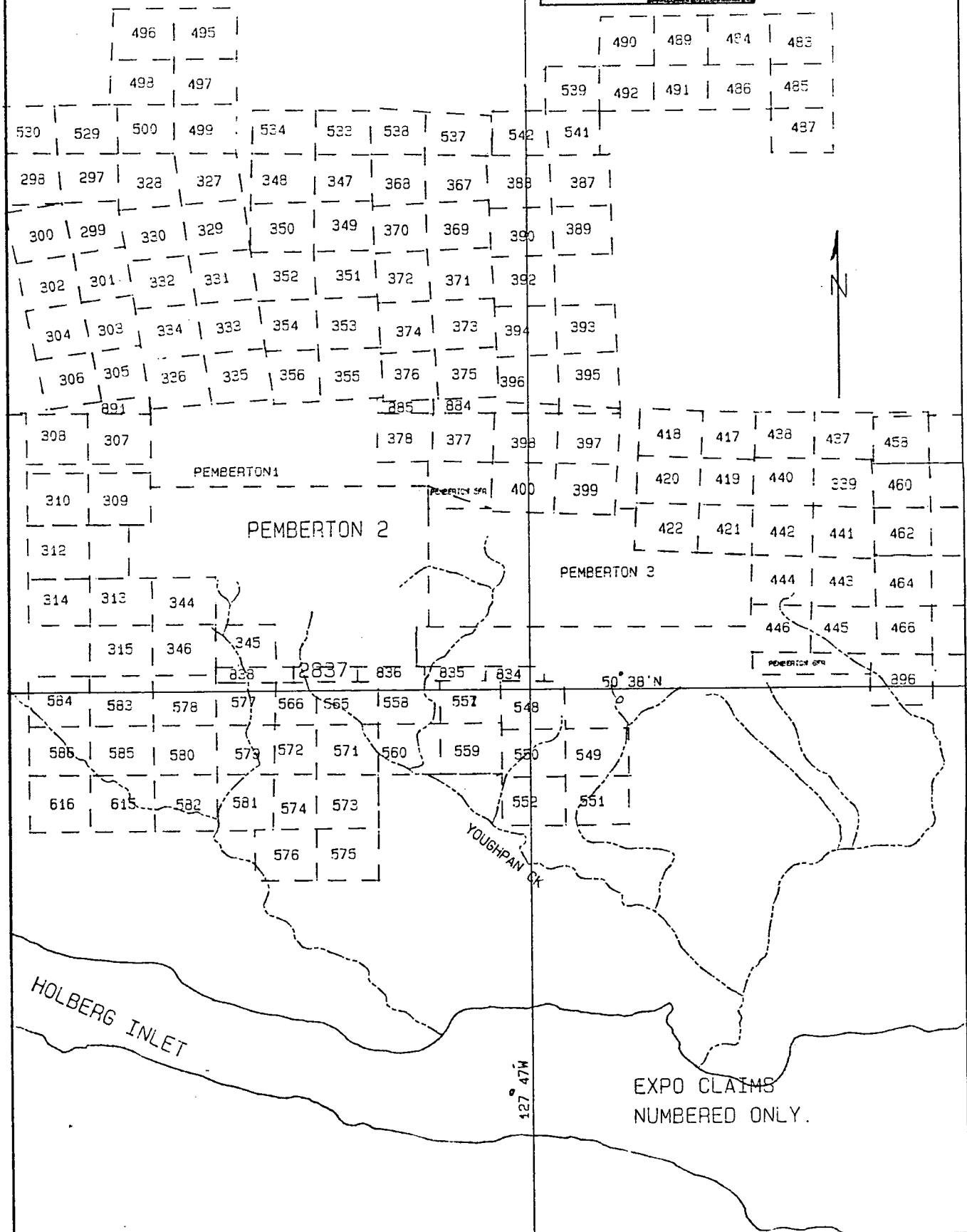
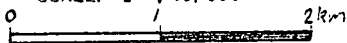
The Pemberton Project is a volcanogenic gold search encompassing some 60 units that is part of the much larger Expo Claim group of approximately 600 units. The highly siliceous volcanics on the top of the Pemberton Hills were recommended as a potential gold target in 1980 and a program of surface rock geochem was initiated with inconclusive results.

The 1985 program consisted of 3 diamond drill holes, one each near the top of West Pemberton and Central Pemberton Hill and one on the lower south slope of West Pemberton Hill totalling 605.9 meters. Results were uniformly negative. No gold values better than the surface geochem were intersected in any drill hole, and most were at detection limit.

PEMBERTON PROJECT
INDEX MAP

NTS 92L/12

SCALE: 1 : 50,000



PEMBERTON 1

PEMBERTON 2

PEMBERTON 3

HOLBERG INLET

YOUGHAN CK

EXPO CLAIMS
NUMBERED ONLY.

127° 47' W

50° 38' N

DRILLING PROGRAM

The drilling program was executed by Longyear Canada Ltd. on a contract basis with helicopter and camp costs included in the contract. The drill unit used was a "Longyear 38" equiped for helicopter moves. NQ tools were used for all drilling except the bottom 76.5 m in EC 156 which were drilled with BQ to get past a fault.

The core was logged by J.B. Richards on the "GEOLOG" coding forms so that geologic data could be quantified and digitized for computer processing. GEOLOG is a proprietary system invented by International Geosystems Ltd. of Vancouver, BC. The core was split length ways, usually in 10 foot = 3.04 m samples for assay. All core was sampled. The core is stored at Island Copper near Port Hardy.

Samples were assayed for gold by fire assay and atomic absorption by Chemex Labs at Vancouver. In addition, all samples were analyzed by ICP analysis for a 30 element suit by Chemex. Selected assays are included in the assay logs with the geologic logs. All assays are appended as appendix D. Drill hole locations are shown on Plate 1.

Discussion

The area of interest is underlain by Jurassic Age Bonanza volcanics which consists of an andesitic sequence of flows, agglomerates and pyroclastics. Pyroclastics predominates with fragments ranging in size from breccia tuff (> 10 cm) to dust tuff ($< .1$ mm). Multiple stages of brecciation are recognized with breccia fragments containing other sizes of fragmental. Strong hydrothermal alteration has in many areas almost totally destroyed the original rock fabric.

The objective of the program was to test the hypothesis that the silica alteration zones on Pemberton Hills. were part of a system such as Pueblo Viejo in the Dominican Republic (Kessler et al, 1981) in which gold mineralization lies under a silica cap at and below the contact with a strong advanced argillic zone.

The geology and assay data obtained were most discouraging. It seemed probable that the high silica zone on the tops of the hills, as intersected in DDH EC156 and DDH EC157, is due to leaching of all metallics. Acid produced by the oxidation of pyrite bearing volcanoclastics would be sufficient to produce this effect.

The unoxidized rock in DDH EC158 shows the amount of pyrite available for acid production.

Trace amount of possible chalcocite were observed in the bottoms of EC156 and EC157 with corresponding copper "kicks" in the assay data but the depth is too great for a conceivable copper grade to be of interest.

The amount of pyrite in DDH EC158 is in itself quite remarkable but the lack of other metallic elements makes this zone of little interest.

REFERENCES

Kessler, S.E., Russell, N., Seward, M., Rivera, J., McCurdy, K.,
Cumming, G.L., and Sutter, J.F., 1981 Geology and Geochemistry of
sulfide mineralization underlying the Pueblo Viejo gold-silver oxide
deposit, Dominican Republic: Econ. Geol., V76, P 1096 - 1117.

APPENDIX A

STATEMENT OF QUALIFICATIONS

J.B. Richards, Senior Geologist for Utah Mines Ltd., Vancouver, BC

B.A.Sc., University of British Columbia, 1970.

Registered as P. Eng., B.C., 1973, Geological. Continuously employed as an exploration geologist from 1970 to 1985 for various employers in B.C., Yukon, Washington and Costa Rica.

1973 to 1978 - Geologist for Equity Mining, developing Sam Goosly Deposit.

1980 to 1985 - Senior Geologist, Utah Mines in Vancouver on various development projects.

APPENDIX B

STATEMENT OF COSTS

Geologist

H. Muntanion			
September 25-27	-	3 days @ \$213.04/day	\$ 639.12
Room and Board	-	3 days @ \$ 50.00/day	150.00

J.B. Richards			
October 04 to 26	-	23 days @ \$246.00/day	5,658.46
Room and Board	-	23 days @ \$ 50.00/day	1,150.00

Sampler

M. Perskovitch			
October 9 - 12, 14 - 16, 21 - 25, 28 - 29			854.75
13 days @ \$65.75/day			

Drilling

605.9 m @ \$115.67/m			70,087.69
Vehicle	-	26 days @ \$ 50.00/day	1,300.00

Assays

203 samples			
30 element ICP & gold FAA @ \$11.48		2,330.44	
sample preparation @ \$1.80		<u>365.40</u>	
		2,695.84	

\$82,535.74

UTAH MINES LTD., VANCOUVER B.C.
MCINTOSH PEMBERTON AU-AG

DRILLHOLE/TRVERSE :DDHEC000

PROJECT IDEN : EXPO START DATE : 85/ 5/27 COMPLETION DATE : 85/ 5/27 GEOLOGGED BY : JBR +
COLLAR NORTHING : COLLAR EASTING : COLLAR ELEVATION : GRID AZIMUTH :
TOTAL LENGTH : 0.00 CORE/HOLE SIZE : NQ MACHINE TYPE : CONTRACTOR : LONGYR

F - INTERVAL - L (UNITS = FT)		CORE RECOVERY (FT.1)	% ROCK TYPE	TYPI- QAL TM TM	TEX- TURES TX TX	GRAIN FRAC- CHARACS F C % M	STRUCTUR-1 ID STK DIP	ALTERATION A A A A	MINS H H H H	ORE-TYPE MIN A A A A	MINS H H H H	SUMMARY
Y G	FROM - TO		X	1 2 QM1	1 2 F F C P	# TK	1	AZM RT	OZ BI CY CB MG XX PY CP GL YY			
K E L Y		ROCK QUAL	FOR EN RT	TM QM2 TX TX S R S O	DIP F		1	ID STK DIP	KE MU CL EP HE HA PR MO SL HA			
Y G		DESIG AGE	COL	R D P C			2	AZM RT	A A A A A A A A			

SUMMARY REMARKS

ROCK CODES U24-27	G SCALE	ALTERATION AND ORE MINERALS	FACIES U77-79
OVER OVERBURDEN	? POSS	OZ QUARTZ	0 FRESH
STKP STIKUP	7 PROB	CY CLAY	1 PROPYLYTIC
CASN CASING NO CORE	0 0.0%	AL ALUNITE	2 PROP-PHYLL
MISN CORE MISSING	- 0.01%	KE K-FELDSPAR	3 ARGILLIC
FAUL FAULT GOUGE	- 0.03%	BI BIOTITE	4 ARG-PHYLL
SAND SAND (TECTONIC)	(0.1%	IL ILLITE	5 PHYLLIC
ISGD ISL GRANODIORITE	* 0.3%	PP PYROPHYLLITE	6 SOME PYROP
INBR INTRUSIVE BRECCIA	) 1.0%	CL CHLORITE	7 ADV ARG
BVAL ANDESITE ?	+ 2.5%	CB CARBONATE	8 POTASSIC
QTZV QUARTZ VEIN	= 5.0%	EP EPIDOTE	9 SILICIC
ISIN UNDIFF INTRUS	1 10%	MG MAGNETITE	
PPEX FELDSPAR PORPH	2 20%	HE HEMATITE	MINERAL ZONE
BVAT ANDESITE TUFF	3 30%	LI LIMONITE	L 77-79
BVAF ANDESITE FLOW	4 40%	PY PYRITE	0 NEGLIGIBLE
BVAB BRECCIA	5 50%	PR PYRHOTITE	<0.5%
ISDR ISLAND DIORITE	6 60%	CP CHALCOPYRITE	1 PY
BVAN ANDESITE UNDIFF	7 70%	MO MOLYBDENITE	2 PY>CP
DA/D DACITE DYKE	8 80%	BO BORNITE	3 PY>CP,MO
PPQF QUARTZ FELSPOR	9 90%	CV COVELITE	4 PY+MO CP
BVAP ANDESITE PORPH	X 100%	CC CHALCOCITE	5 PY+CP+CC+BO
BREX BRECCIA ZONE		EX FELDSPAR	+CV+/-MO
CLAY CLAY ZONE		VE VOLC FRAG	6 PY+BO+CC+CV
ISGD ISL QTZ DIORITE			+/-MO
			7
			8.MO

% MIX IS AMOUNT OF NEST
IN PGI, G SCALE,%

I SCALE

KEY FLAGS (2-4)

KTOX TOP OF OXIDE ZONE
KBOX BOTTOM OF OXIDE

X EXTREME 3 WEAK
9 V STR-EX 2 V WK-WK
8 STR-V STR 1 VERY WEAK
7 STRONG 0 NONE
6 MOD-STR * RETURN TO BLANK
5 MODERATE
4 WK-MOD

14, 294
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

MOORE PREDFILO

UTAH MINES LTD., VANCOUVER B.C.
MCINTOSH PEMBERTON AU-AG

DRILLHOLE/TRVERSE : DDHEC000 (CONTINUED)

SUMMARY REMARKS

H-SCALE HOW OF ALTERATION MINERALS

X MASSIVE	I MINOR MICROVNS+ SCID.XI
9 PERVASIVE	O BARREN
8 DISS, PATCHES>VNS,SEL,ENV	D DISSEMINATIONS
7 DISS, PATCHES=VNS,SEL,ENV	V VEINS
6 DISS, PATCHES<VNS,SEL,ENV	E ENVELOPES
5 VNS +/-OR ABUNDANT ENV	S SELVAGES
4 VNS+/- OR OCCASIONAL ENV	P PERVASIVE
3 VNS = SPOTS+PATCHES	Q PATCHES
2 MICROVEINS + VEINS	C COATINGS
	K STOCKWORK
+ MATRIX	U COATING VUGS
	" RETURN TO BLANK

STRUCTURE IDS	STRUCTURE THICKNESS	COLOR	
VQ VEIN QUARTZ	1-SCALE	LIGHTNESS	HUE
VP VEIN PYRITE	0 < 1 MM	L28	L29
VY VEIN PYROPH	1 1-3 MM	9 PALEST	W WHITE
VC VEIN CLAY	2 3-6 MM	8 PALE	A GREY
VA VEIN QTZ PY	3 6-10 MM	7 LIGHT	U BROWN
VM VEIN QTZ MO	4 1-3 CM	6 MED-LIGHT	T TAN
E/ FAULT	5 3-6 CM	5 MEDIUM	G GREEN
C/ CONTACT	6 6-12 CM	4 MED-DARK	R RED
SH SHEAR	7 12-30 CM	3 DARK	O ORANGE
SW STOCKWORK	8 30-60 CM	2 VERY DARK	N BLACK
BN BANDING	9 60-100 CM	1 DARKEST	B BLUE
ER FRACTURING	X >1 M	\$ ISH	P PURPLE
FL FLOW			\$ ISH
BD BEDDING			
VB VEIN CARB			
BR BRECCIATED			
VE VEIN			
U,L 49-50	U,L 48		

TYPIFYING MINERALS	FRACTURE I.D.
TMU28-29 QMIU32-33	E-SCALE
TM2U30-31 QM2L32-33	U-45-PYRITE
TM3L28-29	U-46-QUARTZ
	L-46-DRY FRAC

TEXTURES
TX1(U35-36)
TX2(L35-36)

QZ QUARTZ

PF PORPHYRITIC
P/ VAGUE PORPH
EQ EQUIGRANULAR
FR FRAGMENTAL
CT CATACLASTIC
VG VUGGY
BR BRECCIATED
B/ VAGUE BRECCIA

QX QTZ PHENOS
QF QTZ FRAGS
FX FELDSPAR
BI BIOTITE

FRACTURE COUNT
(U,L 44,46)

KK CRACKLED
SH SHEARED
GG GOUGED
BD BEDDED
CM CHILLED MARGIN

HB HORNBLENDE
PX PYROXENE
MG MAGNETITE
RF ROCK FRAGMENT
VF VOLL FRAGMENT
IF INTRUS FRAG
VG OPEN SPACE
PF PY FRAG
X EXTREME

2 1/FT
3 2-3/FT
4 4-6/FT
5 7-10/FT
6 11-18/FT
7 19-25/FT
8 25-50/FT
9 >50/FT
X EXTREME

UTAH MINES LTD., VANCOUVER B.C.
MCINTOSH PEMBERTON AU-AG

DRILLHOLE/TRVERSE : DDHEC000 (CONTINUED)

SUMMARY REMARKS

BA BANDED
SW STOCKWORK

REMARK HEADERS

RALT	REMARK,	ALTERATION
RCOL	REMARK,	COLOUR
RCON	REMARK,	CONTACT
RERC	REMARK,	FRACTURE
RCMP	REMARK,	COMPOSITION
RLTH	REMARK,	LITHOLOGY
RCOR	REMARK,	CHANGE OF CORE SIZE
RMIN	REMARK,	MINERAL (NON-SULPHIDE)
RMNZ	REMARK,	MINERALIZATION
RSAM	REMARK,	SAMPLE
RSTR	REMARK,	STRUCTURE
RTXT	REMARK,	TEXTURE
RVEN	REMARK,	VEIN
RXRD	REMARK,	X-RAY DIFFRACTION
RSUM	REMARK,	SUMMARY

DRILLHOLE/TRVERSE :DHEC156

PROJECT IDEN : EXPO START DATE : 85/10/ 3 COMPLETION DATE : 85/10/12 GEOLOGGED BY : JBR +
 COLLAR NORTHING: 230780.00 COLLAR EASTING : 252750.00 COLLAR ELEVATION: 1330.00 GRID AZIMUTH : 0.00
 TOTAL LENGTH : 751.00 CORE/HOLE SIZE : NQ MACHINE TYPE : 38 CONTRACTOR : LONGYEAR.

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	.0			-90.00		
R HED	CASING LEFT IN.					
F - INTERVAL - K L (UNITS = FT) E A Y G FROM - TO	CORE RECOVERY (FT.1)	Z M ROCK I X TYPE	TYPI- QAL FYING MIN MAT TM IM	TEX- TURES TX TX	GRAIN FRAC- CHARACS TURE F C % M	STRUCTUR-1 ALTERATION MINS H H H H H ANY H H ANY A A A A A MIN A A A MIN T ID STK DIP A A A A A 1 AZM RT QZ BI CY CB MG XX PY CP GL YY SUMMARY
K F E L Y G	ROCK QUAL DESIG AGE	FOR EN RT MEM V Q LC- 3 COL	TM QM2 3	TX TX 3 4	S R S O ON H / SML I R D P C	DIP F 2 STRUCTUR-2 A A A A A A A A
P R SUR	.0 .0	17.0 17.0	OVER LOCATION FROM PICKET LINE.	ACCURATE +/- 50 FEET.		
P L R LTH R LTH	17.0 17.0 17.0 17.0	32.0 32.0 160.0	BVAT VE QF VG= ER VG I M 7 0 TA 7 5 5 C 4 POLYLITHIC COARSE ASH TO LAPILLI TUFF. VUGS LARGELY AFTER FINE DIS. PY. SOME MAY BE AFTER FELDSPARS.			LI C1 C3 9 5
P L R MIN	32.0 32.0	62.0 62.0	BVAT VE QF VG= ER VG M O 6 P TA 3 3 5 C 4 OCCASIONAL FRAGS HAVE BLUISH LOOK. TR VV FINE MD? + SPECK PY.			LI D. C1 C3 P? 9 8
P L R STR	62.0 115.0 160.0 160.0	115.0 160.0 208.0 208.0	BVAT VE QF VG2 ER VG M O 6 P 5A 3 3 5 C 4 SECONDARY BR. CEMENTED BY LI AT 181-183', 186.5', 196-198'.			LI C1 C3 9 9 C1 C5 P? 8 .
P L L	115.0 160.0	160.0 208.0	BVAT VE QF VG1 ER VG M O 6 P TA 3 3 5 C 4			LI D. C1 C5 P? 9 X 8 .
P L R STR	160.0 160.0	208.0 208.0	BVAT VE QF VG= ER BR M O 6 P SU 3 3 5 C 4 SECONDARY BR. CEMENTED BY LI AT 181-183', 186.5', 196-198'.			LI D. C1 C7 P? 9 X 8 .
P L L	208.0 216.0	216.0	BVAT VE QF VG= ER VG M O 6 P 5A 3 3 5 C 4			LI D. C1 C1 P? 9 X 8 .
P L N L	216.0 239.0	243.0 240.0	BVAT VE QF VG= ER VG M O 6 P SU 3 3 5 C 4 X FAUL CY X			LI D. C1 C5 P? 9 X 8 .
P L	243.0	251.0	BVAT VE QF VG= ER VG M O 6 P 5A 3 3 5 C 4			LI D. C1 C1 P? 9 X 8 .

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRaverse : DHEC156 (CONTINUED)

K E Y	INTERVAL - (UNITS = FT)		CORE RECOVERY (FT.1)	% ROCK TYPE	TYPI- QAL FYING MIN	TEX- TURES TX TX	GRAIN FRAC- CHARACS FC Z M	STRUCTUR-1 ID STK DIP AZM RT	ALTERATION A A A A QZ BI CY CB	MINS MG XX PY CP GL YY	ORE-TYPE MIN A A A A MIN A A A A	SUMMARY
	FROM	TO										
P L N L	251.0	275.0		BVAT VE QF VG= ER VG M O G P SU 3 3 5 C				P 4 E/ 10 PX			LI D. 9 X C1 C3 P? 8.	
P L N L	258.0	258.5		X FAUL CY				N E/ 10				
P L N L	275.0	379.0		BVAN VE GG 3A FX PP	GG SH 1 4 2 4			P E/ 40 V3	P8		GY 81 3 7 V5 1 1	
R STR	275.0	382.0		FAULTS AT 275'.								
N N N N N N N N	275.0	276.0		X FAUL				N 4 E/ 40				
N N N N N N N N	277.0	278.0		X FAUL				N 4 E/ 40				
N N N N N N N N	286.0	286.5		X FAUL				N 4 E/ 40				
N N N N N N N N	290.5	291.0		X FAUL				N 4 E/ 40				
N N N N N N N N	316.0	330.0		X FAUL				N E/ 40				
N N N N N N N N	333.0	349.0		X FAUL				N E/ 40				
N N N N N N N N	365.0	368.0		X FAUL				N E/ 40				
N N N N N N N N	375.0	379.0		X FAUL				N E/ 40				
P L N L	379.0	382.0		BVAT VE 3A FR J L 3 M 3 1 3 0				P 5		Q=	9 5 1 =	
P L N L	382.0	393.0		BVAT VE 5A BD 3 1 3 0	FR VG L D 3 Q			P 5			9 5	
R ALT	382.0	393.0		LIMONITE ON POROUS FRACTURES.								
N L	382.0	393.0		1 BVAT VE 5A BD 3 1 3 0	VG2 FR VG L D 3 Q			N 5		LI C6	9 5	
P L N L	393.0	449.0		BVAT VE 3T BD 3 1 3 0	VG1 FR VG L D 3 Q			P 5			9 5	
P L N L	393.0	449.0		1 BVAT VE 7T BD 3 1 3 0	VG3 FR VG L D 3 Q			N 5		LI C6	9 5	
P L N L	449.0	450.0		FAUL					P E/			
P L N L	450.0	597.0		BVAT VE QF VG1 TA 3 1 3 0	L O 3 Q			P 7		7+	9 7 1 +	
R LTH	450.0	597.0		COARSE POLYLITHIC BRECCIA TUFF. FRAGS ROUNDED TO ANGULAR.								
R LTH	450.0	597.0		SOME FRAGS. POROUS LIKE SIL. SINTER. PY AROUND FRAGS.								
N L	450.0	597.0		= BVAT VE QF VG3 3U 3 1 3 0	L O 3 Q			N 7	P5	LI 7-	9 7 1 +	
R ALT	557.0	597.0		CREAM-WHITE PATCHES ALUNITE. POSS AL. TEST AT 557', 589',							C3 C7	
R ALT	557.0	597.0		593'.								
P L N L	597.0	604.5		BVAT FX VE FR E H 2 0				P C/ 25 P3	P3	LI D+	3 3	

MOORE
PREFILED

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC156 (CONTINUED)

F - INTERVAL - K L (UNITS = FT)		CORE RECOV- ERY (FT.1)	% M ROCK I X TYPE	TYPI- FYING TM	QAL MIN MAT	TEX- TURES TX	GRAIN CHARACS F C % M	FRAC- TURE # TK	STRUCTUR-1 T ID STK DIP I AZM RT	ALTERATION H H H H H A A A A A OZ BI CY CB MG	MINS ANY H H H A A A A A XX PY CP GL YY	ORE-TYPE MINS ANY H H H A A A A A A A A A A	SUMMARY		
Y G	FROM - TO	ROCK QUAL DESIG	FOR EN RT MEM V Q AGE	LC- 3 COL	TM QM2 3	TX TX 3 4	S R S O D N H / R D P C	DIP F SML I	STRUCTUR-2	KE MU H H H H H	CL EP HE HA A A A A A	PR MO SL HA A A A A A			
R LTH	597.0	604.5		5A			5 3 3 0	2	C/	25		C3	1 +		
R LTH	597.0	604.5		WELDED TUFF, GLASS FRAGS INXTAL TUFF MATRIX. EX ALT'D TO CLAY.											
P L	604.5	626.0		BVAT	VF	QF	VG2	ER	VG	L 0 3 P		P7	P1	LI	9 7
L				TA			3 5 5 0	1				P3			
P L	626.0	632.0		BVAT	VF	QF	VG2	ER	VG	L 0 3 P		P7	P1		9 7
L				5A			3 5 5 0	1							
P L	632.0	639.0		BVAT	VF	QF	VG3	ER	VG	J L = N		P5		LI	9 5
L				8A			3 5 5 0	2				CI			
P L	639.0	684.0		BVAT	VF	QF		ER		J L = N		P7	P1	LI 71	9 7
L				3A			3 5 5 0	1				CI			1.1
R MIN	639.0	684.0		PY DISS., IN VEINS AND AS PYRITIC FRAGS IN LITHIL FRAGS.											
R TXT	639.0	684.0		MOST OF VOIDS SEEN ABOVE DUE TO PY REMOVAL.											
P L	684.0	688.0		BVAT	VF	QF	VG3	ER	VG	J L = N		P5		LI	9 7
L				8A			3 5 5 0	2				CI			
P L	688.0	702.0		BVAT	VF	QF	VG3	ER	VG	L 0 5 Q		P9			9 9
L				7A			3 7 3 C	1							
R LTH	688.0	751.0		POLYLITHIC BX TUFF WITH POLY LITHIC FRAGS. WITHIN FRAGS.											
P L	702.0	717.0		BVAT	VF	QF	VG3	ER	VG	L 0 5 Q		P9			9 9
L				7A			3 7 3 C	4							
P L	717.0	727.0		BVAT	QF	VF	VG3	ER	VG	L 0 5 Q		P9		Q+	9 7
L				7A			3 7 3 C	1							1 +
K BOX	717.0	717.0													
P L	727.0	751.0		BVAT	QF	VF	VG3	ER	VG	L 0 5 Q		P9		Q1	9 7
L				7A			3 7 3 C	1							1 1
R LTH	727.0	751.0		MATRIX IS STRONGLY PYRITIC. SOME PY. IN FRAGS.											

SUMMARY REMARKS

0' - 17' OVERBURDEN.
17' - 32' COARSE ASH TO LAP. TUFF, WELL SORTED, ROUNDED CLASTS. MODERATE SILICIFICATION. VUGGY.
32' - 275' POLYLITHIC BRECCIA TUFF, STRONGLY SILICIFIED, VUGGY.
TRACE PY. VUGGY.

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC156 (CONTINUED)

SUMMARY REMARKS

275'-379' FAULT ZONE, NUMEROUS GOUGE BANDS AT 40 DEG. WHERE MEASURABLE. V. STRONG CLAY ALT. OBSCURES TEXTURE BUT FRAG. AND PORPH. SEEN. MAY BE FLOW WITH ASSOC. FLOW BX. GYPSUM VEINLETS TO 4 MM AT 40 DEG. 10% PY, LARGELY DISS. NO LIM.

379'-597' BRECCIA TUFF, POLYLITHIC. CLAY ALT. AROUND LI. COATED FRACTURES. VUGGY, BOTH MATRIX AND FRAGS. ALUNITE IN CLAY 557 - 597.

597'-604.5' WELDED TUFF EX + VE IN ASH SIZES 2-4X 10-30 MM GLASS SHARDS. DISS. PY.

604.5'-688' COARSE ASH TO LAP. TUFF WITH 10% PY. 639'-684' LI. ON FRACTURES.

688'-751' POLYLITHIC BR. TUFF WITH POLY. FRAGS WITHIN FRAGS. 727-751', FRAGS MORE SIL. AND MATRIX STRONGLY PYRITIC.

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	ADOL ANALYTICAL DATA																
					ROD %	Cu ppm	Mo ppm	Fe %	Au ppb	Ag ppm	As ppm	Sb ppm	Te ppm								
					W-CORE FIELD HAND	H-CORE CHEMEX ICP	H-CORE CHEMEX ICP	H-COR CHEM ICP	H-CORE CHEMEX FA-AA	H-CORE CHEMEX ICP	H-CORE CHEMEX ICP	H-CORE CHEMEX ICP	H-CORE CHEMEX ICP	H-CORE CHEMEX AA							
A 01	.0	17.0																			
A 01	17.0	20.0	97	1629	44	97.	7.	1.45	3.	3.	5.	5.									
A 01	20.0	30.0	76	1630	43	95.	31.	.99	3.	2.	5.	5.									
A 01	30.0	40.0	84	1631	39	91.	13.	1.01	3.	2.	5.	5.									
A 01	40.0	50.0	98	1632	37	77.	8.	.79	3.	2.	5.	5.									
A 01	50.0	60.0	93	1633	45	78.	4.	.80	3.	2.	5.	5.									
A 01	60.0	70.0	98	1634	58	75.	3.	.72	3.	2.	5.	5.									
A 01	70.0	80.0	97	1635	28	63.	4.	.65	3.	2.	5.	5.									
A 01	80.0	90.0	95	1636	50	53.	4.	.52	3.	2.	5.	5.									
A 01	90.0	100.0	96	1637	62	59.	13.	.78	3.	2.	5.	5.									
A 01	100.0	110.0	89	1638	34	62.	19.	.94	3.	2.	5.	5.									
A 01	110.0	120.0	66	1639	43	66.	37.	1.71	3.	2.	30.	5.									
A 01	120.0	130.0	101	1640	76	79.	53.	2.54	3.	2.	50.	10.									
A 01	130.0	140.0	90	1641	52	74.	18.	1.92	3.	2.	5.	5.									
A 01	140.0	150.0	88	1642	54	65.	17.	1.43	3.	2.	5.	5.									
A 01	150.0	160.0	87	1643	60	77.	87.	2.49	3.	2.	40.	10.									
A 01	160.0	170.0	74	1644	29	67.	26.	1.15	3.	2.	10.	5.									
A 01	170.0	180.0	87	1645	44	53.	10.	.70	3.	2.	5.	5.									
A 01	180.0	190.0	77	1646	51	85.	44.	2.03	3.	2.	20.	5.									
A 01	190.0	200.0	95	1647	60	109.	122.	3.53	3.	2.	90.	5.									
A 01	200.0	210.0	88	1648	51	79.	47.	2.23	10.	2.	20.	5.									
A 01	210.0	220.0	78	1649	55	57.	23.	1.13	3.	2.	5.	5.									
A 01	220.0	230.0	83	1650	56	104.	20.	1.89	3.	2.	5.	5.									
A 01	230.0	240.0	75	1651	21	56.	48.	1.70	3.	2.	20.	5.									
A 01	240.0	250.0	93	1652	78	69.	56.	2.08	3.	2.	30.	5.									
A 01	250.0	260.0	87	1653	55	69.	19.	2.56	3.	2.	5.	5.									
A 01	260.0	270.0	83	1654	42	108.	62.	2.78	3.	2.	20.	5.									
A 01	270.0	275.0	42	1655	15	107.	74.	2.92	3.	2.	30.	5.									
A 01	275.0	280.0	87	1656	30	143.	1.	6.70	3.	2.	10.	5.									

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC156 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	ADDITIONAL ANALYTICAL DATA									
					RQD %	Cu ppm	Mo ppm	Fe %	Au ppb	Ag ppm	As ppm	Sb ppm	Te ppm	
					W-CORE	H-CORE	H-CORE	H-COR	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
					FIELD	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	
	HAND	ICP	ICP	ICP	FA-AA	ICP	ICP	ICP	ICP	AA				
A 01	280.0	290.0	87	1657	31	104.	2.	4.98	3.	.2	5.	5.		
A 01	290.0	300.0	88	1658	39	120.	1.	7.45	3.	.2	5.	5.		
A 01	300.0	310.0	93	1659	53	110.	1.	6.50	3.	.4	5.	5.		
A 01	310.0	320.0	90	1660	43	112.	2.	6.98	3.	.2	5.	5.		
A 01	320.0	330.0	90	1661	0	73.	1.	6.66	3.	.2	5.	5.		
A 01	330.0	340.0	88	1662	23	119.	1.	7.40	3.	.2	5.	5.		
A 01	340.0	350.0	87	1663	0	127.	1.	7.31	3.	.2	5.	5.		
A 01	350.0	360.0	90	1664	5	103.	1.	6.33	3.	.2	5.	5.		
A 01	360.0	370.0	83	1665	0	95.	1.	5.62	3.	.2	10.	5.		
A 01	370.0	381.0	86	1666	19	122.	1.	5.73	3.	.2	10.	5.		
A 01	381.0	390.0	91	1667	74	93.	2.	2.93	3.	.2	10.	5.		
A 01	390.0	400.0	88	1668	83	45.	4.	.74	3.	.2	10.	5.		
A 01	400.0	410.0	97	1669	73	38.	6.	.63	3.	.2	10.	5.		
A 01	410.0	420.0	94	1670	41	28.	2.	.31	20.	.2	10.	5.		
A 01	420.0	430.0	92	1671	81	44.	40.	1.01	5.	.2	10.	5.		
A 01	430.0	440.0	96	1672	87	41.	25.	.75	3.	.2	10.	5.		
A 01	440.0	450.0	89	1673	71	43.	16.	.63	3.	.2	10.	5.		
A 01	450.0	460.0	86	1674	58	40.	20.	.73	3.	.2	10.	5.		
A 01	460.0	470.0	95	1675	78	95.	7.	2.40	3.	.2	10.	5.		
A 01	470.0	480.0	93	1676	85	121.	3.	2.71	10.	.2	10.	5.		
A 01	480.0	490.0	88	1677	53	102.	21.	2.61	3.	.2	5.	5.		
A 01	490.0	500.0	91	1678	73	107.	3.	3.29	3.	.2	10.	5.		
A 01	500.0	510.0	80	1679	53	117.	2.	3.95	3.	.2	10.	5.		
A 01	510.0	520.0	86	1680	75	93.	2.	3.57	10.	.2	10.	5.		
A 01	520.0	530.0	84	1681	78	105.	4.	3.26	3.	.2	10.	5.		
A 01	530.0	540.0	94	1682	87	85.	2.	2.63	3.	.2	10.	5.		
A 01	540.0	550.0	93	1683	98	82.	5.	2.71	3.	.2	10.	5.		
A 01	550.0	560.0	91	1684	74	76.	4.	2.24	3.	.2	10.	5.		
A 01	560.0	570.0	97	1685	89	71.	3.	1.76	5.	.2	10.	5.		
A 01	570.0	580.0	88	1686	72	197.	5.	3.73	5.	.2	10.	5.		
A 01	580.0	590.0	93	1687	88	137.	4.	1.94	10.	.2	10.	5.		
A 01	590.0	597.0	89	1688	76	47.	3.	1.34	10.	.2	10.	5.		
A 01	597.0	600.0	92	1689	72	35.	5.	2.62	3.	.2	30.	5.		
A 01	600.0	604.5	69	1690	59	28.	3.	1.95	5.	.2	30.	5.		
A 01	604.5	610.0	109	1691	92	24.	6.	1.49	10.	.2	10.	5.		
A 01	610.0	620.0	94	1692	86	13.	9.	.59	5.	.2	10.	5.		
A 01	620.0	630.0	92	1693	88	16.	4.	.59	5.	.2	10.	5.		
A 01	630.0	639.0	78	1694	67	9.	1.	.24	3.	.2	10.	5.		
A 01	639.0	650.0	89	1695	84	100.	1.	4.76	10.	.2	10.	5.		
A 01	650.0	660.0	94	1696	88	52.	3.	4.02	3.	.2	10.	5.		
A 01	660.0	670.0	94	1697	81	45.	2.	4.06	3.	.2	10.	5.		
A 01	670.0	680.0	88	1698	74	68.	2.	5.62	3.	.2	10.	5.		
A 01	680.0	684.0	96	1699	90	65.	1.	5.29	3.	.2	10.	5.		
A 01	684.0	690.0	96	1700	78	13.	4.	.38	3.	.2	10.	5.		
A 01	690.0	700.0	82	1701	68	10.	2.	.37	3.	.2	10.	5.		
A 01	700.0	710.0	58	1702	42	10.	3.	.30	3.	.2	10.	5.		
A 01	710.0	720.0	72	1703	51	27.	8.	.52	3.	.2	10.	5.		

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRAVERSE : DHEC156 (CONTINUED)

AD01 ANALYTICAL DATA													
A UMM	FROM	TO	RECOV	SAMPLE	RQD %	Cu ppm	Mo ppm	Fe %	Au ppb	Ag ppm	As ppm	Sb ppm	Te ppm
A TYP					W-CORE	H-CORE	H-CORE	H-COR	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE
A LAB					FIELD	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX
A MTH					HAND	ICP	ICP	ICP	FA-AA	ICP	ICP	ICP	AA
A 01	720.0	730.0	82	1704	66	60.	15.	2.97	3.	.2	5.	5.	
A 01	730.0	740.0	89	1705	75	329.	30.	9.05	3.	.2	60.	10.	
A 01	740.0	745.0	112	1706	90	651.	33.	11.59	10.	.4	150.	10.	
A 01	745.0	751.0	83	1707	83	1471.	16.	13.87	3.	.6	450.	30.	

AD02 ANALYTICAL DATA													
A UMM	FROM	TO	RECOV	SAMPLE	Pb ppm	Zn ppm	Ag ppm	Bi ppm	Ba ppm				
A TYP					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE				
A LAB					CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX				
A MTH					ICP	ICP	ICP	ICP	ICP				
A 02	.0	17.0											
A 02	17.0	20.0	97	1629	12.	10.	.2	162.	1.				
A 02	20.0	30.0	76	1630	6.	40.	.2	79.	1.				
A 02	30.0	40.0	84	1631	4.	5.	.2	83.	1.				
A 02	40.0	50.0	98	1632	4.	5.	.2	62.	1.				
A 02	50.0	60.0	93	1633	6.	5.	.2	54.	1.				
A 02	60.0	70.0	98	1634	8.	5.	.2	64.	1.				
A 02	70.0	80.0	97	1635	4.	5.	.2	59.	1.				
A 02	80.0	90.0	95	1636	4.	5.	.2	50.	1.				
A 02	90.0	100.0	96	1637	4.	5.	.2	50.	1.				
A 02	100.0	110.0	89	1638	4.	5.	.2	62.	1.				
A 02	110.0	120.0	66	1639	6.	20.	.2	50.	1.				
A 02	120.0	130.0	101	1640	12.	20.	.2	58.	1.				
A 02	130.0	140.0	90	1641	4.	5.	.2	65.	1.				
A 02	140.0	150.0	88	1642	6.	5.	.2	53.	1.				
A 02	150.0	160.0	87	1643	6.	5.	.2	52.	1.				
A 02	160.0	170.0	74	1644	6.	5.	.2	57.	1.				
A 02	170.0	180.0	87	1645	4.	5.	.2	51.	1.				
A 02	180.0	190.0	77	1646	8.	5.	.2	65.	4.				
A 02	190.0	200.0	95	1647	12.	5.	.2	87.	2.				
A 02	200.0	210.0	88	1648	10.	5.	.2	45.	1.				
A 02	210.0	220.0	78	1649	10.	5.	.2	49.	2.				
A 02	220.0	230.0	83	1650	6.	5.	.2	54.	1.				
A 02	230.0	240.0	75	1651	8.	5.	.2	36.	1.				
A 02	240.0	250.0	93	1652	8.	5.	.2	36.	1.				
A 02	250.0	260.0	87	1653	6.	5.	.2	34.	1.				
A 02	260.0	270.0	83	1654	6.	5.	.2	59.	1.				
A 02	270.0	275.0	42	1655	6.	5.	.2	58.	1.				
A 02	275.0	280.0	87	1656	12.	100.	.2	40.	1.				
A 02	280.0	290.0	87	1657	6.	140.	.2	52.	1.				
A 02	290.0	300.0	88	1658	8.	90.	.2	72.	1.				
A 02	300.0	310.0	93	1659	10.	130.	.4	102.	1.				
A 02	310.0	320.0	90	1660	12.	110.	.2	117.	1.				
A 02	320.0	330.0	90	1661	8.	100.	.2	408.	1.				
A 02	330.0	340.0	88	1662	12.	80.	.2	182.	1.				
A 02	340.0	350.0	87	1663	16.	70.	.2	176.	1.				

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC156 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	ANALYTICAL DATA				
					Pb ppm H-CORE CHEMEX ICP	Zn ppm H-CORE CHEMEX ICP	Ag ppm H-CORE CHEMEX ICP	Bi ppm H-CORE CHEMEX ICP	Ba ppm H-CORE CHEMEX ICP
A 02	350.0	360.0	90	1664	10.	50.	.2	407.	1.
A 02	360.0	370.0	83	1665	14.	60.	.2	1516.	1.
A 02	370.0	381.0	86	1666	14.	60.	.2	902.	1.
A 02	381.0	390.0	91	1667	12.	5.	.2	48.	1.
A 02	390.0	400.0	88	1668	2.	5.	.2	27.	1.
A 02	400.0	410.0	97	1669	6.	5.	.2	31.	1.
A 02	410.0	420.0	94	1670	4.	5.	.2	23.	1.
A 02	420.0	430.0	92	1671	6.	5.	.2	34.	1.
A 02	430.0	440.0	96	1672	4.	5.	.2	31.	1.
A 02	440.0	450.0	89	1673	4.	5.	.2	31.	1.
A 02	450.0	460.0	86	1674	4.	5.	.2	26.	1.
A 02	460.0	470.0	95	1675	10.	5.	.2	48.	2.
A 02	470.0	480.0	93	1676	12.	5.	.2	53.	4.
A 02	480.0	490.0	88	1677	12.	5.	.2	36.	1.
A 02	490.0	500.0	91	1678	14.	20.	.2	56.	1.
A 02	500.0	510.0	80	1679	8.	10.	.2	39.	1.
A 02	510.0	520.0	86	1680	12.	5.	.2	30.	1.
A 02	520.0	530.0	84	1681	12.	5.	.2	53.	1.
A 02	530.0	540.0	94	1682	14.	5.	.2	45.	2.
A 02	540.0	550.0	93	1683	8.	5.	.2	55.	1.
A 02	550.0	560.0	91	1684	6.	5.	.2	46.	1.
A 02	560.0	570.0	97	1685	8.	5.	.2	44.	1.
A 02	570.0	580.0	88	1686	22.	5.	.2	105.	1.
A 02	580.0	590.0	93	1687	12.	5.	.2	16.	1.
A 02	590.0	597.0	89	1688	10.	5.	.2	14.	1.
A 02	597.0	600.0	92	1689	30.	5.	.2	13.	4.
A 02	600.0	604.5	69	1690	22.	30.	.2	13.	14.
A 02	604.5	610.0	109	1691	6.	5.	.2	16.	2.
A 02	610.0	620.0	94	1692	6.	5.	.2	6.	1.
A 02	620.0	630.0	92	1693	6.	5.	.2	28.	2.
A 02	630.0	639.0	78	1694	4.	5.	.2	7.	2.
A 02	639.0	650.0	89	1695	12.	30.	.2	12.	1.
A 02	650.0	660.0	94	1696	6.	120.	.2	11.	1.
A 02	660.0	670.0	94	1697	6.	80.	.2	11.	1.
A 02	670.0	680.0	88	1698	6.	60.	.2	20.	1.
A 02	680.0	684.0	96	1699	8.	5.	.2	6.	1.
A 02	684.0	690.0	96	1700	8.	5.	.2	9.	2.
A 02	690.0	700.0	82	1701	4.	5.	.2	16.	2.
A 02	700.0	710.0	58	1702	6.	5.	.2	15.	2.
A 02	710.0	720.0	72	1703	6.	5.	.2	12.	2.
A 02	720.0	730.0	82	1704	8.	5.	.2	14.	1.
A 02	730.0	740.0	89	1705	4.	5.	.2	15.	1.
A 02	740.0	745.0	112	1706	1.	10.	.4	8.	1.
A 02	745.0	751.0	83	1707	1.	10.	.6	9.	1.

DRILLHOLE/TRVERSE : DHEC157

PROJECT IDEN : EXPO START DATE : 85/10/ 9 COMPLETION DATE : 85/10/23 GEOLOGGED BY : JBR +
 COLLAR NORTHING: 233630.00 COLLAR EASTING : 249330.00 COLLAR ELEVATION: 1750.00 GRID AZIMUTH : 0.00
 TOTAL LENGTH : 737.00 CORE/HOLE SIZE : NR MACHINE TYPE : 38 CONTRACTOR : LONGYEAR

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING						
000	.0			-90.00								
R HED	DRILLED FROM TOP OF WEST PEMBERTON HILL.											
R HED	STOPPED IN FAULT BUT NOT BECAUSE OF FAULT. CASING LEFT IN.											
K E Y	F - INTERVAL - L (UNITS = FT) G FROM - TO	CORE RECOVERY (FT. I)	% M ROCK X TYPE	TYPI- QAL EYING MIN TM TM MAT TX TX	TEX- TURES FC Z M	GRAIN FRAC- CHARACS TURE	STRUCTUR-1 I ID STK DIP	ALTERATION A A A A	MINS A A A A	ORE-TYPE A A A A	MINS A A A A	SUMMARY
K E Y		ROCK QUAL DESIG	FOR EN RT MEM V Q	TM QM2 TX TX LC- 3	S R S O DIP F	R D P C	I ID STK DIP 2 AZM RT	KE MU CL EP HE HA H H H H	FR MO SL HA H H H H			
P	.0	12.0	OVER				P					
R SUR	.0	.0	LOCATION FROM PICKET LINE. ACCURATE TO +/- 50 FEET.									
P	12.0	46.0	SIBR VE QF VG1 ER VG M O 6 P				P	FR	30 PX		LI	9 X
L			8A BR 2 3 3 C				1		C3			
R LTH	12.0	334.0	EXTREME ALT'N OBSCURES TEXTURE. THERE IS PROBABLY STOCKWORK									
R LTH	12.0	334.0	AND CATACLASTIC COMPONENT TO FABRIC									
R LTH	12.0	334.0	BUT AMOUNTS TOO UNCERTAIN TO LOG IN DETAIL.									
N	25.5	26.5	X BVAT VE QF VG2 ER				N	C/	60 P4	Q3	LI	
L			5T								P6	
P	46.0	47.8	SIBR VE QF VG1 ER VG M O 6 P				P	FR	30 PX		LI	9 X
L			7A BR 2 3 3 C				1		C3			
R LTH	46.0	47.8	A FINE BLACK MINERAL IN MATRIX GIVES DK COLOUR.									
P	47.8	85.0	SIBR VE QF VG1 ER VG M O 6 P				P	FR	45 PX		LI	9 X
L			8A BR 2 3 3 C				1		C3			
P	85.0	87.0	SIBR VE QF VG1 ER VG M O 6 P				P	FR	50 PX		LI	9 X
L			5T BR 2 3 3 C				4		C3	P7		
P	87.0	107.0	SIBR VE QF VG1 ER VG M O 6 P				P	FR	30 PX		LI	9 X
L			6A BR 2 3 3 C				2		C3			
P	107.0	126.0	SIBR VE QF VG1 ER VG M O 6 P				P	FR	30 PX		LI	9 X
L			7T BR 2 3 3 C				4	FR	10 C3		C3 C4	
R MIN	120.0	120.0	ALUNITE TEST NEGATIVE.									
P	126.0	151.0	SIBR VE QF VG1 ER VG M O 6 P				P	FR	30 PX		LI	9 X
L			8A BR 2 3 3 C				2		C3			
P	151.0	166.5	BVAG VE VG2 ER VG				P		P9		LI	9 9

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC157 (CONTINUED)

K E Y	INTERVAL -		CORE RECOV- ERY (FT.1)	M ROCK I X TYPE	Z FYING TM 1	QAL MIN 2	TEX- TURES TX 1	GRAIN CHARACS FC 2	FRAC- TURE M P	STRUCTUR-1	ALTERATION MINS								SUMMARY			
	FROM	TO									H	H	H	H	H	ANY	H	H		H	ANY	
										ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN
										1	AZM	RT	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY
										2												
L																						
R	LTH	151.0	166.5																			
R	MIN	156.0	156.0																			
P		166.5	170.0																			
L																						
P		170.0	175.0																			
L																						
P		175.0	221.0																			
L																						
P		196.0	203.0																			
L																						
P		221.0	334.0																			
L																						
P		240.0	243.0																			
L																						
P		254.0	255.0																			
L																						
P		273.0	274.0																			
L																						
P		300.0	306.5																			
L																						
P		334.0	354.0																			
L																						
P		339.0	354.0																			
L																						
P		354.0	356.5																			
L																						
R	STR	356.0	374.0																			
R	STR	356.0	374.0																			
R	STR	356.0	374.0																			
R	STR	356.0	374.0																			
P		356.5	369.5																			
L																						
P		369.5	374.0																			
L																						
P		374.0	451.0																			

MOORE SPECIFIC

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC157 (CONTINUED)

INTERVAL - L (UNITS = FT) FROM - TO		CORE RECOVERY (FT.1)	% ROCK TYPE	TYPI- FYING IM	QAL MIN MAT	TEX- TURES TX TX	GRAIN CHARACS FC % M	FRAC- TURE # TK	STRUCTUR-1 ID STK DIP AZM RT	ALTERATION A A A A BI CY CB	MINS H H H H MG XX	ORE-TYPE MINS A A A A PY CP GL YY	SUMMARY
		ROCK QUAL DESIG	FOR EN RT MEM V Q	LC-3 COL	TM QM2 3 4	TX TX 3 4	S R S O D N H / R D P C	DIP F SML I	T ID STK DIP 2 AZM RT	STRUCTUR-2 A A A A	KE MU CL EP HE HA FR MO SL HA H H H H H H H H		
N	379.0	379.5	X FAUL	8T	VG2	SW VG	1 1 5 0	5	ER	70		Q4	
N				VF		BR FR	I M 3 N	N 4	F/	20 89		LI	9 9
N	415.0	416.0	X FAUL	5T	VG2	SW VG	1 1 5 0	5				C7	
N				VF		BR FR	I M 3 N	N 4	F/	30 89		LI	9 9
N	421.0	422.0	X FAUL	5T	VG2	SW VG	1 1 5 0	5				C7	
N				VF		BR FR	I M 3 N	N 4	F/	60 89		LI	9 9
N				5T		SW VG	1 1 5 0	5				C7	
P	451.0	467.0	SIBR	VF	VG2	BR FR	I N 8 0	P	FR	60 89		LI	9 9
P				6T		SW VG	8 3 7 C	4				Q4	
P	467.0	512.0	SIBR	VF	VG2	BR FR	I N 8 0	P	FR	60 89		LI	9 9
P				TA		SW VG	8 3 7 C	4		90		Q2	
N	486.0	487.0	X FAUL	VF	VG2	BR FR	I N 8 0	N	F/	60 89		LI	9 9
N				6T		SW VG	8 3 7 C	4				Q4	
P	512.0	579.5	SIBR	VF	VG2	BR FR	I N 8 0	P	FR	60 89		LI	9 9
P				5T		SW VG	8 3 7 C	5		30		Q4	
R STR	512.0	579.5	STKWK DIMINISHED.										
P	579.5	597.5	SIBR	VF	VG3	BR FR	M O 5 P	P	FR	60 P9			9 9
P				7A		VG		2					
R LTH	579.5	579.5	ORIGINAL WALLROCK PROBABLY BVAG.										
P	597.5	606.3	SIBR	VF	VG3	BR FR	M O 5 P	P	FR	60 P7		AL	7 5
P				7A		VG		3				Q4	
R MIN	597.5	650.0	A PALE-GREENISH-YELLOW MINERAL REPLACES ROCK FRAGS. IN										
R MIN	597.5	650.0	SOME SPOTS TO A LARGE AMOUNT. PROBABLY SULFUR.										
R MIN	598.0	598.0	POSS. ALUNITE TEST. (PH-1.) ALSO YELLOW SUBLIMATE, SULFUR.										
P	606.3	620.0	BVAT	VF	VF	VG2	FR BR	I L 3 0	P	FR	10 P8	AL D=	7 8
P				3A		VG	3 3 5 0	2		60		Q3	
R ALT	606.3	730.0	THERE IS A PERVASIVE BLACK MINERAL COATING ALL UNALTERED ROCK										
R ALT	606.3	730.0	THAT SEEMS TO BE RELATED TO THE GREENISH YELLOW ALT'N NOTED										
R ALT	606.3	730.0	ABOVE. THE BLACK MATERIAL ALTERING TO THE YELLOW. DISS. PY +										
R ALT	606.3	730.0	PY FRAGMENTS WITH THE BLACK GIVE THE ROCK THE LOOK OF THE										
R ALT	606.3	730.0	CARBONACEOUS BRECCIA TUFF MAPPED IN YOUGHAN CK. (87SERT016 +										
R ALT	606.3	730.0	017). MODERATE LIMONITE WITH FRACTURE ZONES.										
P	620.0	636.0	BVAT	VF	VF	VG2	FR BR	I L 3 0	P	F/	10 88	AL 00	7 8
P				7A		VG	3 3 5 0	2		60		Q7	
N	620.0	621.0	X FAUL	VF	VF	VG2	FR BR	I L 3 0	N	4 F/	30 P8	LI D=	7 8
N				3T		VG	3 3 5 0	2		60		C7	
N	623.0	625.0	X FAUL	VF	VF	VG2	FR BR	I L 3 0	N	5 F/	10 P8	LI D=	7 8

MOORE
SPEEDIFLO

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRaverse : DHEC157 (CONTINUED)

INTERVAL - (UNITS = FT)		CORE RECOVERY (FT.1)	% ROCK TYPE	TYPI- FYING TM	QUAL MIN Q1	TEX- TURES TX	GRAIN CHARACS FC	FRAC- TURE Z M	STRUCTUR-1 ID	ALTERATION A A A A A	MINS ANY MG XX	ORE-TYPE A A A A A	MINS ANY GL YY	SUMMARY
FROM	TO													
L				3T		VG	3 3 5 0	2	FR	60		C4		
P	636.0	644.0	BVAT	VF QF VG2	ER BR	I L 3 0		P	FR	10 P8		AL D=	7 8	
L			TA	VG		3 3 5 0		2	FR	60		Q3		
P	644.0	646.5	BVAT	VF QF VG2	ER BR	I L 3 0		P	FR	10 P8		AL D=	7 8	
L			2A	VG		3 3 5 0		2	FR	60		Q3		
P	646.5	653.0	BVAT	VF QF VG2	ER BR	I L 3 0		P	FR	10 P8		AL D=	7 8	
L			5A	VG		3 3 5 0		2	FR	60		Q3		
P	653.0	656.5	BVAT	VF QF VG3	ER BR	I L 3 0		P	FR	10 P8		LI D=	9 8	
L			TA	VG		3 3 5 0		2	FR	60		C5		
P	656.5	677.0	BVAT			VG3			P	FR	30	AL D2		
L			3A	VG		8 0		2	FR	70		Q3		
N	656.5	677.0	3 BVAT	VG3		I I = M		N	FR	30		LI D2		
L			TA	VG		8 0		2	FR	70		C7		
P	677.0	688.0	FAUL						P	F/	30	P7		
L			TY					X						
P	688.0	737.0	BVAT	VF QF		I L 3 M		P	4 F/	60	P5	P2	3 5	
L			3A			3 4 3 0		8					1 2	
R STR	688.0	737.0	ENTIRE ZONE IS VARIABLY FAULTED WITH SECTIONS STRONGLY CLAY											
R STR	688.0	737.0	ALT. AND OXIDIZED.											
N	695.0	696.0	X	FAUL					N	4 F/				
N	699.0	701.0	X	FAUL					N	4 F/				
N	710.0	711.0	X	FAUL					N	4 F/				
N	716.0	725.5	X	FAUL					N	4 F/				
N	730.0	736.0	X	FAUL					N	5 F/	70			
N	736.0	737.0	X BVAT	VF QF		I L 3 M		N	4 F/	60	P5	P2	3 5	
L			3A			3 4 3 0		X					1 2	

SUMMARY REMARKS

0'-12' OVERBURDEN.
12'-354' SILICEOUS BRECCIA ORIGINAL ROCK UNCERTAIN BUT PROBABLY BRECCIA TUFF AND OTHER PYROCLASTICS. A DISCONTINUOUS STRIPPED TX. OCCAS. OBSERVED MAY BE FRAGMENTS OF CLOSELY SPACED RIBBONED QIZ VEINS AS SEEN IN PLACE AND IN FRAGS.ON MACINTOSH MTN. VERY VUGGY AND POROUS. GENERALLY WHITE TO PALE GREY EXCEPT WHERE LIMONITE STAIN.
354'-356' BRECCIA TUFF. VERY SIL., BUT BRECCIA TEXTURE

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC157 (CONTINUED)

SUMMARY REMARKS

CLEAR.

356'-606' SILICEOUS BRECCIA AS 12 TO 354, BUT IRREGULAR QTZ
STKWK DEVELOPED 356-374, ESPECIALLY NEAR FAULTS AT 379, 415
AND 421. STOCKWORK DIMINISHED FROM 512. FRAG. LOOK LIKE
ORIGINAL ROCK FROM 579.5 TO 597.5 WAS AGGLOMERATE.606'-737' BRECCIA TUFF, 597-650. A PALE GREENISH YELLOW
MINERAL PERVADES SILICEOUS ALT'D ROCK FRAGMENTS. UP TO 40% IN
PATCHES. IDENTIFIED AS NATIVE SULFUR. ALUNITE MAY ALSO BE
PRESENT AS WATER DRIVEN OFF BY HEATING HAS A PH OF 1. FROM
606-730 THERE IS A PERVASIVE BLACK MINERAL COATING ALL
UNALTERED ROCK. THERE SEEMS TO BE A RELATIONSHIP BETWEEN THIS
BLACK MIN. AND THE SULFUR. THE BLACK MINERAL MAY BE CHALCO-
CITE IN PART.

606'-656' +/- 2% DISS. PY.

606'-737' FAULTS AT 675, 699, 710, 716-725, 730-736 MADE
DRILLING DIFFICULT.

656'-677' +/- 20% DISS. PY.

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	ANALYTICAL DATA									
					ROD % W-CORE FIELD HAND	Cu ppm H-CORE CHEMEX ICP	Mo ppm H-CORE CHEMEX ICP	Fe % H-COR CHEMEX ICP	Au ppb H-CORE CHEMEX FA-AA	Ag ppm H-CORE CHEMEX ICP	As ppm H-CORE CHEMEX ICP	Sb ppm H-CORE CHEMEX ICP	Te ppm H-CORE CHEMEX AA	
A 01	0	12.0												
A 01	12.0	20.0	93	1708	74	38.	13.	.58	10.	3.	5.	5.		
A 01	20.0	30.0	77	1709	72	37.	11.	.61	3.	3.	5.	5.		
A 01	30.0	40.0	95	1710	90	33.	8.	.37	3.	3.	5.	5.		
A 01	40.0	46.0	92	1711	81	44.	13.	.51	3.	3.	5.	5.		
A 01	46.0	47.8	93	1712	83	31.	18.	.37	3.	3.	5.	5.		
A 01	47.8	60.0	89	1713	65	65.	20.	.86	3.	3.	5.	5.		
A 01	60.0	70.0	97	1714	78	23.	4.	.26	3.	3.	5.	5.		
A 01	70.0	80.0	94	1715	81	28.	5.	.32	3.	3.	5.	5.		
A 01	80.0	90.0	87	1716	51	34.	63.	.67	3.	3.	5.	5.		
A 01	90.0	100.0	81	1717	71	23.	26.	.27	3.	3.	5.	5.		
A 01	100.0	110.0	92	1718	53	29.	29.	.41	3.	3.	5.	5.		
A 01	110.0	120.0	82	1719	13	52.	16.	.91	3.	3.	5.	5.		
A 01	120.0	130.0	53	1720	27	101.	8.	1.13	3.	3.	10.	5.		
A 01	130.0	140.0	89	1721	48	33.	5.	.42	3.	3.	10.	5.		
A 01	140.0	151.0	86	1722	80	38.	8.	.48	3.	3.	10.	5.		
A 01	151.0	155.0	106	1723	69	77.	10.	.69	3.	3.	50.	10.		
A 01	155.0	160.0	98	1724	80	63.	6.	.68	3.	3.	60.	5.		
A 01	160.0	166.5	94	1725	83	72.	6.	.93	3.	3.	10.	5.		
A 01	166.5	175.0	82	1726	43	138.	10.	1.47	30.	3.	60.	5.		
A 01	175.0	185.0	98	1727	85	59.	19.	.61	3.	3.	10.	5.		
A 01	185.0	195.0	83	1728	64	82.	4.	.84	3.	3.	20.	5.		
A 01	195.0	205.0	85	1729	34	121.	7.	1.22	3.	3.	50.	10.		
A 01	205.0	215.0	77	1730	54	65.	2.	.58	3.	3.	10.	5.		
A 01	215.0	221.0	85	1731	64	42.	2.	1.11	3.	3.	10.	5.		
A 01	221.0	230.0	102	1732	89	32.	3.	.76	3.	3.	10.	5.		
A 01	230.0	240.0	90	1733	68	62.	5.	1.21	3.	3.	20.	5.		

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC157 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	ADDITIONAL ANALYTICAL DATA									
					RQD %	Cu ppm	Mo ppm	Fe %	Au ppb	Ag ppm	As ppm	Sb ppm	Te ppm	
					W-CORE	H-CORE	H-CORE	H-COR	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
					FIELD	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	
	HAND	ICP	ICP	ICP	FA-AA	ICP	ICP	ICP	ICP	AA				
A 01	240.0	250.0	93	1734	78	82.	5.	1.80	3.	.2	10.	5.		
A 01	250.0	260.0	92	1735	71	52.	4.	1.20	3.	.2	20.	5.		
A 01	260.0	270.0	98	1736	93	22.	4.	.37	3.	.2	20.	10.		
A 01	270.0	280.0	94	1737	82	58.	5.	1.18	3.	.2	20.	5.		
A 01	280.0	290.0	83	1738	63	75.	6.	1.50	3.	.2	40.	10.		
A 01	290.0	300.0	91	1739	74	54.	7.	1.06	3.	.2	20.	5.		
A 01	300.0	306.5	79	1740	59	338.	36.	7.92	40.	.2	110.	10.		
A 01	306.5	315.0	93	1741	80	32.	4.	.86	3.	.2	30.	5.		
A 01	315.0	325.0	94	1742	84	37.	3.	.92	3.	.2	20.	5.		
A 01	325.0	334.0	99	1743	79	32.	2.	1.02	3.	.2	20.	5.		
A 01	334.0	340.0	92	1744	71	221.	2.	8.54	3.	.2	90.	10.		
A 01	340.0	345.0	45	1745	22	441.	1.	26.81	20.	.2	10.	5.		
A 01	345.0	350.0	93	1746	73	667.	1.	27.53	35.	.2	20.	10.		
A 01	350.0	354.0	75	1747	48	402.	1.	13.43	25.	.2	60.	5.		
A 01	354.0	356.5	80	1748	13	170.	4.	4.57	3.	.2	30.	5.		
A 01	356.5	360.0	79	1749	31	214.	2.	4.63	3.	.2	30.	5.		
A 01	360.0	365.0	67	1750	35	465.	8.	9.79	15.	.2	150.	5.		
A 01	365.0	369.5	85	2501	50	281.	2.	6.19	3.	.2	10.	5.		
A 01	369.5	374.0	74	2502	26	100.	1.	2.46	3.	.2	5.	5.		
A 01	374.0	380.0	88	2503	44	75.	3.	1.99	3.	.2	5.	5.		
A 01	380.0	390.0	75	2504	33	107.	4.	3.24	3.	.2	20.	5.		
A 01	390.0	400.0	84	2505	55	33.	3.	1.21	3.	.2	5.	5.		
A 01	400.0	410.0	65	2506	18	53.	4.	1.57	3.	.2	20.	5.		
A 01	410.0	420.0	84	2507	48	106.	6.	2.67	3.	.2	20.	5.		
A 01	420.0	430.0	63	2508	13	67.	4.	1.90	3.	.2	5.	5.		
A 01	430.0	440.0	86	2509	43	51.	4.	1.59	3.	.2	20.	5.		
A 01	440.0	451.0	52	2510	27	46.	4.	1.43	5.	.2	20.	5.		
A 01	451.0	460.0	94	2511	50	57.	2.	1.54	20.	.2	30.	5.		
A 01	460.0	470.0	91	2512	45	75.	5.	1.58	15.	.2	5.	5.		
A 01	470.0	480.0	83	2513	26	72.	2.	1.88	25.	.2	5.	5.		
A 01	480.0	490.0	86	2514	54	58.	2.	1.59	25.	.2	10.	5.		
A 01	490.0	500.0	79	2515	41	23.	3.	.61	5.	.2	30.	5.		
A 01	500.0	510.0	95	2516	70	39.	8.	.84	10.	.2	70.	10.		
A 01	510.0	520.0	88	2517	58	84.	6.	1.71	15.	.2	50.	5.		
A 01	520.0	530.0	85	2518	42	55.	4.	1.36	15.	.2	20.	5.		
A 01	530.0	540.0	87	2519	32	100.	8.	2.49	25.	.2	160.	10.		
A 01	540.0	550.0	64	2520	24	67.	12.	2.05	20.	.2	120.	5.		
A 01	550.0	560.0	71	2521	13	123.	20.	3.29	30.	.2	200.	10.		
A 01	560.0	570.0	66	2522	15	72.	8.	1.79	20.	.2	70.	10.		
A 01	570.0	580.0	73	2523	35	83.	10.	1.41	15.	.2	20.	5.		
A 01	580.0	590.0	84	2524	31	24.	4.	1.02	3.	.2	5.	5.		
A 01	590.0	597.5	82	2525	60	34.	5.	1.35	3.	.2	5.	5.		
A 01	597.5	606.3	87	2526	34	19.	3.	.79	3.	.2	5.	5.		
A 01	606.3	610.0	96	2527	29	156.	8.	4.43	5.	.2	20.	5.		
A 01	610.0	615.0	68	2528	37	254.	4.	6.21	3.	.2	20.	5.		
A 01	615.0	620.0	90	2529	53	94.	4.	3.01	3.	.2	10.	5.		
A 01	620.0	625.0	97	2530	53	30.	5.	1.61	3.	.2	5.	5.		

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRaverse : DHEC157 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	AD01 ANALYTICAL DATA									
					RQD %	Cu ppm	Mo ppm	Fe %	Au ppb	Ag ppm	As ppm	Sb ppm	Te ppm	
					W-CORE	H-CORE	H-CORE	H-COR	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
					FIELD	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	
					ICP	ICP	ICP	FA-AA	ICP	ICP	ICP	ICP	AA	
A 01	625.0	630.0	92	2531	55	40.	5.	2.89	5.	.2	20.	5.		
A 01	630.0	636.0	83	2532	63	16.	5.	.80	3.	.2	5.	5.		
A 01	636.0	640.0	90	2533	38	34.	16.	1.72	3.	.2	10.	5.		
A 01	640.0	644.0	77	2534	11	1577.	6.	3.27	10.	.2	10.	5.		
A 01	644.0	646.5	73	2535	50	686.	8.	6.43	3.	.2	30.	5.		
A 01	646.5	650.0	90	2536	60	62.	4.	3.10	3.	.2	10.	5.		
A 01	650.0	653.5	67	2537	52	163.	10.	3.82	5.	.2	20.	5.		
A 01	653.5	656.5	117	2538	94	128.	9.	3.46	3.	.2	20.	5.		
A 01	656.5	660.0	86	2539	50	406.	5.	7.79	15.	.2	30.	5.		
A 01	660.0	665.0	72	2540	47	243.	7.	7.11	3.	.2	20.	5.		
A 01	665.0	669.3	76	2541	62	295.	36.	6.48	25.	.2	60.	5.		
A 01	669.3	670.3	108	2542	108	330.	14.	12.37	5.	.2	60.	5.		
A 01	670.3	677.0	42	2543	32	337.	22.	10.72	10.	.2	50.	5.		
A 01	677.0	688.0	30	2544	9	217.	21.	8.66	10.	.2	150.	10.		
A 01	688.0	695.0	50	2545	0	144.	12.	5.56	3.	.2	10.	5.		
A 01	695.0	700.0	50	2546	17	246.	11.	7.49	3.	.2	30.	5.		
A 01	700.0	705.0	62	2547	10	120.	12.	7.47	10.	.2	10.	5.		
A 01	705.0	710.0	73	2548	22	156.	14.	7.22	3.	.2	10.	5.		
A 01	710.0	717.0	70	2549	13	140.	8.	5.84	3.	.2	5.	5.		
A 01	717.0	725.5	24	2550	6	208.	9.	5.07	3.	.2	10.	5.		
A 01	725.5	730.0	46	2551	33	129.	11.	4.75	3.	.2	20.	5.		
A 01	730.0	736.0	21	2552	6	107.	9.	2.62	3.	.2	10.	5.		
A 01	736.0	737.0	117	2553	0	122.	9.	3.01	3.	.2	10.	5.		

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	AD02 ANALYTICAL DATA					
					Pb ppm	Zn ppm	Ag ppm	Bi ppm	Ba ppm	
					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
					CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	
					ICP	ICP	ICP	ICP	ICP	
A 02	0	12.0								
A 02	12.0	20.0	93	1708	6.	5.	.2	28.	6.	
A 02	20.0	30.0	77	1709	8.	5.	.2	22.	10.	
A 02	30.0	40.0	95	1710	6.	5.	.2	23.	4.	
A 02	40.0	46.0	92	1711	6.	5.	.2	24.	14.	
A 02	46.0	47.8	93	1712	4.	5.	.2	20.	14.	
A 02	47.8	60.0	89	1713	6.	5.	.2	22.	20.	
A 02	60.0	70.0	97	1714	4.	5.	.2	12.	4.	
A 02	70.0	80.0	94	1715	6.	5.	.2	16.	6.	
A 02	80.0	90.0	87	1716	6.	5.	.2	14.	12.	
A 02	90.0	100.0	81	1717	6.	5.	.2	16.	6.	
A 02	100.0	110.0	92	1718	6.	5.	.2	15.	10.	
A 02	110.0	120.0	82	1719	6.	5.	.2	18.	10.	
A 02	120.0	130.0	53	1720	6.	5.	.2	29.	8.	
A 02	130.0	140.0	89	1721	6.	5.	.2	20.	4.	
A 02	140.0	151.0	86	1722	8.	5.	.2	27.	14.	
A 02	151.0	155.0	106	1723	6.	5.	.2	45.	8.	

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC157 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	AD02 ANALYTICAL DATA				
					Pb ppm	Zn ppm	Ag ppm	Bi ppm	Ba ppm
					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE
					CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX
					ICP	ICP	ICP	ICP	ICP
A 02	155.0	160.0	98	1724	6.	5.	.2	28.	2.
A 02	160.0	166.5	94	1725	4.	5.	.2	33.	2.
A 02	166.5	175.0	82	1726	8.	5.	.2	49.	6.
A 02	175.0	185.0	98	1727	10.	5.	.2	35.	2.
A 02	185.0	195.0	83	1728	8.	5.	.2	46.	4.
A 02	195.0	205.0	85	1729	8.	5.	.2	44.	1.
A 02	205.0	215.0	77	1730	8.	5.	.2	38.	1.
A 02	215.0	221.0	85	1731	6.	5.	.2	26.	2.
A 02	221.0	230.0	102	1732	8.	5.	.2	30.	1.
A 02	230.0	240.0	90	1733	10.	5.	.2	32.	1.
A 02	240.0	250.0	93	1734	4.	5.	.2	62.	2.
A 02	250.0	260.0	92	1735	16.	5.	.2	29.	2.
A 02	260.0	270.0	98	1736	14.	5.	.2	16.	2.
A 02	270.0	280.0	94	1737	10.	5.	.2	34.	1.
A 02	280.0	290.0	83	1738	22.	5.	.2	31.	1.
A 02	290.0	300.0	91	1739	8.	5.	.2	24.	2.
A 02	300.0	306.5	79	1740	10.	5.	.2	37.	24.
A 02	306.5	315.0	93	1741	10.	5.	.2	26.	2.
A 02	315.0	325.0	94	1742	8.	5.	.2	29.	1.
A 02	325.0	334.0	99	1743	8.	5.	.2	23.	8.
A 02	334.0	340.0	92	1744	12.	5.	.2	33.	18.
A 02	340.0	345.0	45	1745	30.	5.	.2	11.	110.
A 02	345.0	350.0	93	1746	16.	5.	.2	17.	468.
A 02	350.0	354.0	75	1747	10.	5.	.2	31.	80.
A 02	354.0	356.5	80	1748	8.	5.	.2	76.	30.
A 02	356.5	360.0	79	1749	1.	5.	.2	28.	90.
A 02	360.0	365.0	67	1750	1.	5.	.2	17.	108.
A 02	365.0	369.5	85	2501	1.	5.	.2	22.	40.
A 02	369.5	374.0	74	2502	1.	5.	.2	31.	22.
A 02	374.0	380.0	88	2503	1.	5.	.2	21.	10.
A 02	380.0	390.0	75	2504	1.	5.	.2	28.	16.
A 02	390.0	400.0	84	2505	1.	5.	.2	37.	2.
A 02	400.0	410.0	65	2506	1.	5.	.2	64.	2.
A 02	410.0	420.0	84	2507	1.	5.	.2	49.	4.
A 02	420.0	430.0	63	2508	1.	5.	.2	72.	1.
A 02	430.0	440.0	86	2509	1.	5.	.2	62.	2.
A 02	440.0	451.0	52	2510	1.	5.	.2	58.	1.
A 02	451.0	460.0	94	2511	1.	5.	.2	35.	2.
A 02	460.0	470.0	91	2512	1.	5.	.2	78.	2.
A 02	470.0	480.0	83	2513	1.	5.	.2	43.	2.
A 02	480.0	490.0	86	2514	1.	5.	.2	31.	2.
A 02	490.0	500.0	79	2515	1.	5.	.2	21.	1.
A 02	500.0	510.0	95	2516	1.	5.	.2	22.	4.
A 02	510.0	520.0	88	2517	1.	5.	.2	57.	1.
A 02	520.0	530.0	85	2518	1.	5.	.2	48.	2.
A 02	530.0	540.0	87	2519	1.	5.	.2	54.	10.
A 02	540.0	550.0	64	2520	2.	5.	.2	57.	10.

DRILLHOLE/TRVERSE : DHEC157 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	AD02 ANALYTICAL DATA				
					Pb ppm	Zn ppm	Ag ppm	Bi ppm	Ba ppm
					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE
					CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX
					ICP	ICP	ICP	ICP	ICP
A 02	550.0	560.0	71	2521	2.	5.	.2	101.	54.
A 02	560.0	570.0	66	2522	2.	5.	.2	46.	18.
A 02	570.0	580.0	73	2523	2.	5.	.2	33.	36.
A 02	580.0	590.0	84	2524	4.	5.	.2	52.	6.
A 02	590.0	597.5	82	2525	2.	5.	.2	80.	6.
A 02	597.5	606.3	87	2526	2.	5.	.2	57.	4.
A 02	606.3	610.0	96	2527	6.	5.	.2	67.	10.
A 02	610.0	615.0	68	2528	46.	10.	.2	118.	2.
A 02	615.0	620.0	90	2529	32.	5.	.2	83.	2.
A 02	620.0	625.0	97	2530	4.	5.	.2	70.	2.
A 02	625.0	630.0	92	2531	2.	5.	.2	53.	1.
A 02	630.0	636.0	83	2532	4.	5.	.2	51.	2.
A 02	636.0	640.0	90	2533	12.	5.	.2	67.	2.
A 02	640.0	644.0	77	2534	4.	10.	.2	37.	1.
A 02	644.0	646.5	73	2535	156.	50.	.2	49.	1.
A 02	646.5	650.0	90	2536	68.	20.	.2	73.	1.
A 02	650.0	653.5	67	2537	30.	10.	.2	99.	1.
A 02	653.5	656.5	117	2538	4.	5.	.2	63.	2.
A 02	656.5	660.0	86	2539	2.	20.	.2	76.	1.
A 02	660.0	665.0	72	2540	8.	20.	.2	92.	1.
A 02	665.0	669.3	76	2541	2.	5.	.2	107.	1.
A 02	669.3	670.3	108	2542	16.	30.	.2	97.	1.
A 02	670.3	677.0	42	2543	1.	5.	.2	39.	8.
A 02	677.0	688.0	30	2544	24.	5.	.2	36.	30.
A 02	688.0	695.0	50	2545	40.	5.	.2	25.	8.
A 02	695.0	700.0	50	2546	32.	5.	.2	32.	4.
A 02	700.0	705.0	62	2547	46.	5.	.2	35.	4.
A 02	705.0	710.0	73	2548	52.	5.	.2	21.	8.
A 02	710.0	717.0	70	2549	52.	5.	.2	30.	4.
A 02	717.0	725.5	24	2550	16.	5.	.2	22.	2.
A 02	725.5	730.0	46	2551	40.	10.	.2	75.	1.
A 02	730.0	736.0	21	2552	10.	5.	.2	48.	1.
A 02	736.0	737.0	117	2553	164.	10.	.2	26.	1.

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE :DHEC158

PROJECT IDEN : EXPO START DATE : 85/10/25 COMPLETION DATE : 85/10/25 GEOLOGGED BY : JBR +
COLLAR NORTHING: 231530.00 COLLAR EASTING : 249410.00 COLLAR ELEVATION: 930.00 GRID AZIMUTH : 0.00
TOTAL LENGTH : 500.00 CORE/HOLE SIZE : NQ MACHINE TYPE : 38 CONTRACTOR : LONGYEAR

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
	000	0		-90.00		
R HED	DRILLED FROM END OF H630, ABOVE YOUGHAN CK.					
R HED	CASING LEFT CAPPED.					
R HED	NESTED INTERVALS DESCRIBE FRAGMENTS AS SEPARATE UNITS.					
K E Y	F - INTERVAL - L (UNITS = FT)	CORE RECOV- ERY (FT.1)	% M ROCK X TYPE	TYP- I M QAL EYING MIN	TEX- TX TX F C Z M	GRAIN FRAC- CHARACS TURE # TK
K E Y	FROM - TO	(FT.1)	X TYPE	1 2 QM1	1 2 P E C P	1 2
K E Y		ROCK QUAL DESIG	FOR EN RT V R	TM QM2 TX TX S R S O LC-3	DIP F SML 1	T ID STK DIP KE MU CL EP HE HA PR MQ SL HA
K E Y						STRUCTUR-1 H H H H H ANY H H ANY
K E Y						STRUCTUR-2 A A A A A A A A
P R L N L	0 5.0	5.0	OVER			P LOCATION NOT SURVEYED. POSITION CORRECT TO +/- 50 FT.
P R L N L	5.0 10.0	10.0	BVAT VE 3A	PF) ER BD 3 3 3 C	1 0 7 Q	P 5 BD 60 VI VI
P R L N L	5.0 139.0	139.0	POLYLITHIC BR. TUFF PY IN MATRIX AND FRAC. IN FRAGS. FRAGS. BONANZA. PORPH. OCCASIONALLY SULPHIDE FRAGS. PY XTALS TO 3 MM RIM. FRAG. AT 17 DEG. SOME PY VERY FINE			
P R L N L	5.0 139.0	139.0	GRAINED.			
P R L N L	5.0 10.0	10.0	7 BVAG 5A	PP 7	3 5 7 5	N 2=
P R L N L	10.0 20.0	20.0	BVAT VE 3A	PF) ER BD 3 3 3 C	1 0 7 Q	P 5 BD 60 VI VI
P R L N L	10.0 20.0	20.0	7 BVAT	3 5 5 5 C	5	N 3 D+
P R L N L	20.0 30.0	30.0	BVAT VE 3A	PF) ER BD 3 3 3 C	1 0 9 5	P 5 BD 60 VI +1 VI
P R L N L	20.0 30.0	30.0	7 BVAT	3 5 5 5 C	5	N D+
P R L N L	30.0 40.0	40.0	BVAT VE 3A	PF) ER BD 3 3 3 C	1 0 7 P	P 1 F/ 10 VI VI
P R L N L	30.0 40.0	40.0	7 BVAT	3 5 5 6 C	5	N 8=
P R L N L	40.0 50.0	50.0	BVAT VE 3A	PF) ER BD 3 3 3 C	1 0 6 P	P 5 BD 60 VI VI
P R L N L	40.0 50.0	50.0	6 BVAG	3 5 5 6 C	2	N 8=

MOORE PATRICK

DRILLHOLE/TRVERSE : DHEC158 (CONTINUED)

K E Y	- INTERVAL -		CORE RECOV- ERY (FT.1)	Z M ROCK I X TYPE	TYPI- QAL		TEX- GRAIN		FRAC- TURE	STRUCTUR-1		ALTERATION MINS					ORE-TYPE MINS					SUMMARY						
	L (UNITS = FT)	FROM - TO			TYM	QAL	TEX	CHARACS		T	ID	STK	DIP	A	A	A	A	A	A	A	A		A	A				
Y	G				1	2	Q1	1	2	F	C	P	#	TK	1	AZM	RT	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	
K E Y	P L Y		ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC-3 COL	Q2	TX	TX	S	R	S	O	DIP	F	STRUCTUR-2	KF	MU	CL	EP	HE	HA	PR	MO	SL	HA	
L																												
P		50.0	60.0				BVAT	VE	RE	PF+	FR		I	N	5	P		P	1	E/			65		+3		+2	
L							3A						3	5	7	C		1						81	81		+1	
N		50.0	60.0				5 BVAT				FR		2	2	6	J		N									61	
L													5	7	7	C							1					
P		60.0	70.0				BVAT	VE	RE	PF)	FR		I	N	5	0		P	1	E/			65		+1		+2	
L							5A						3	1	5	C		1						81	81			
N		60.0	70.0				6 BVAT				FR		2	2	6	J		N									61	
L													5	7	7	C												
P		70.0	80.0				BVAT	VE	RE	PF+	FR		I	N	6	0		P	1	E/			65		+0		+2	
L							3A						3	5	7	C		2						81	81		+1	
R	LTH	70.0	80.0				OCCASION				FRAGS																	
N		70.0	80.0				6 BVAT						2	3	5	J		N									61	
L													5	7	7	C												
K	BOX	74.0	74.0				LAST LIMONITE				ON FRACTURES.																	
P		80.0	90.0				BVAT	VE	RE	PF?	FR		I	M	6	0		P	1	E/			65		+0		+1	
L							3A						3	3	3	C		1						81	81		+1	
N		80.0	90.0				6 BVAT						2	2				N									7+	
L													7															
P		90.0	100.0				BVAT	VE	RE	PF+	FR		I	M	6	0		P	1	E/			65		+1		+2	
L							3A	CF	VG/				3	5	7	C		1						81	81		+1	
N		90.0	100.0				6 BVAT						2	3	5	K		N									7+	
L																												
R	ALT	93.0	95.0				ROCK HAS "BLEACHED"				SILICEOUS LOOK.																	
R	LTH	95.0	99.0				FRAGS LOOK				PUMACIOUS IN PART.																	
R	LTH	95.0	99.0				BEDDED.				OCC. FRAGS TO 5 CM.																+20% PY.,	
P		100.0	110.0				BVAT	VE	RE	PF+	FR		I	M	5	0		P	1	E/			65		Q2		+2	
L							3A	CF					3	5	7	C		1						81	82		+1	
R	MIN	100.0	110.0				SOME FRAGS (20%)				HAVE ABOUT 50% PY.																	
N		100.0	110.0				5 BVAT						2	2				N									61	
P		110.0	120.0				BVAT	VE	RE	PF+	FR		I	N	5	P		P	1	FR			20		Q1		+2	
L							3A	CF					3	5	7	C		1						81	81		+1	
N		110.0	120.0				5 BVAT						2	2				N									61	
P		120.0	139.0				BVAT	VE	RE		FR		J	P	7	Q		P									+2	
L							3A						3	7	7	C		2							Q1			
R	LTH	120.0	139.0				GY SPOTS TO 2 MM				IN MATRIX WITH UP TO 30% PY														04	81		

DRILLHOLE/TRVERSE : DHEC158 (CONTINUED)

INTERVAL - (UNITS = FT)			CORE RECOVERY (FT.1)	% M ROCK I X TYPE	TYPI- FYING TM	QUAL MIN MAT	TEX- TURES TX	GRAIN CHARACS FC	FRAC- TURE % M P # TK	STRUCTUR-1 ID STK DIP AZM RT	ALTERATION H H H H A A A A QZ BI CY CB MG XX	MINS ANY MIN A A PY CP	ORE-TYPE H H H A A A GL YY	MINS ANY MIN A A GL YY	SUMMARY										
FROM	TO		ROCK QUAL DESIG	FOR MEM AGE	EN V Q	RT LC- COL	TM 3	QM2 3	TX 3	TX 4	S ON	R NH	S H	O /	DIP SML	F I	STRUCTUR-2	KE MU	CL EP	HE HA	FR MO	SL HA	HA HA		
R LTH	120.0	139.0				PATCHES.																			
N L	120.0	139.0				X BVAT																			Q1
P L	139.0	144.0				BVAT																			+3
L						3A																			
P L	144.0	150.0				BDPY																			L5
L						3A																			
R STR	144.0	180.0				MOST BEDDING IRREGULAR, SLUMP STR. AND OTHER SOFT SED. TEXT.																			
R STR	144.0	180.0				DISRUPT.																			
P L	150.0	155.0				BDPY																			L5
L						3A																			
P L	155.0	159.0				BDPY																			L6
L						3A																			
P L	159.0	162.0				BDPY																			L4
L						3A																			
P L	162.0	166.0				BDPY																			L7
L						3A																			
P L	166.0	168.0				BVAT																			1
L						VE																			
P L	168.0	180.0				BDPY																			L6
L						3A																			
P L	168.0	180.0				2 BVAT																			2
L																									
P L	180.0	190.0				BVAT																			+2
L						3A																			
R LTH	180.0	202.0				OCC. VUGGY FRAGS. (PUMICE?).																			
N	180.0	190.0				4 BVAT																			6=
P L	190.0	202.0				BVAT																			+1
L						3A																			
P L	190.0	202.0				4 BVAT																			6=
L																									
P L	202.0	229.5				BVAG																			+ =
L						VE																			
R MIN	202.0	229.5				MAY BE SOME MARCASITE. CORE TASTES AWFUL.																			
R ALT	202.0	229.5				SOME FRAGS. WHITE SPOTTED. COULD BE CLAY ALT. OF FX PHENOS.																			

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC158 (CONTINUED)

K E Y	- INTERVAL - (UNITS = FT)		CORE RECOV- ERY (FT.1)	% M X	ROCK I TYPE	TYPI- FYING TM	QAL MIN QMI	TEX- TURES TX	FRAC- CHARACS FCZM	STRUCTUR-1 ID	ALTERATION A A A A	MINS H H H H	ORE-TYPE MIN A A A A	SUMMARY
	FROM	TO													STK AZM	DIP RT	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY
N	202.0	229.5			X BVAN				1 2 3 2	N				6+
P L R STR R STR	229.5 229.5 229.5 229.5	260.5 260.5 260.5 260.5			BVAT VE PA		RN3	FR BR	1 0 5 0 3 2 7 0	P		Q7 L1	03	+2
	PROBABLY A SLUMP BR. OF VE INTO CHEMICAL SEDIMENTS. (RN, PY + AN)													
P L R MIN R STR	260.5 260.5 260.5 260.5	274.0 274.0 274.0 274.0			BDPY 3A		VF1		1 1 7	P		Q7 Q3	01	+7
	PY XTALS TO 4 MM IN VV FINE PY MATRIX. BEDDING IRREGULAR, SLUMPED AND MIXED.													
P L N L	274.0 274.0 274.0 274.0	295.0 295.0 295.0 295.0			BVAT VE CF	RE CF	PF+ CF	FR FR	BD BN 3 4 5 0	P	4 BD	50 0 0		++
	2 CHAG IN AH													
P L L	295.0 295.0 295.0	302.0 302.0 302.0			BDPY VE 7 4 5 0	RE 7 4 5 0		BR	I N 2 P 7 4 5 0	P		Q3		L6
P L R ALT	302.0 302.0 302.0	327.0 327.0 327.0			BVAT VE 7A CF	RE CF	PF+ VG2	FR FR	J M 3 0 7	P	FR	20 P3	P5	++
	BLEACHED - WK PERVASIVE QTZ.													
P L R STR R STR	327.0 327.0 327.0 327.0	340.0 340.0 500.0 500.0			BVAT VE 5A CF	RE CF	PF+ CF	FR FR	I M 3 0 3 3 5 0	P	BD	60	Q1 01	Q+
	GENERALLY THICKLY BEDDED, OCC. THIN BEDS OF COARSE GRIT MATERIAL.													
P L L	340.0 340.0 340.0	359.0 359.0 359.0			BVAT VE 5A CF	RE CF	PF+ CF	FR FR	I M 3 0 3 3 5 0	P	BD	70	Q1 01	Q+
	THIN CROSS BEDDING.													
P L R STR	408.0 408.0 408.0 420.0	434.0 434.0 434.0 420.0			BVAT VE 5A CF	RE CF	PF+ CF	FR FR	I M 3 0 3 3 5 0	P	BD	70	Q1 01	Q+
	THIN CROSS BEDDING.													
P L L	434.0 434.0 434.0	436.0 436.0 436.0			BVAT VE 7A CF	RE CF	PF+ CF	FR FR	I M 3 0 3 3 5 0	P	BD	60	Q1 05	Q+
P	436.0	442.0			BVAT VE	RE	PF+ CF	FR	I M 3 0	P	FR	10	Q1	+2

MOORE SPEER/DIG

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRVERSE : DHEC158 (CONTINUED)

A UMM A TYP A LAB A MTH	FROM	TO	RECOV	SAMPLE	ADOL ANALYTICAL DATA									
					RQD % W-CORE FIELD HAND	Cu ppm H-CORE CHEMEX ICP	Mo ppm H-CORE CHEMEX ICP	Fe % H-COR CHEME ICP	Au ppb H-CORE CHEMEX EA-AA	Ag ppm H-CORE CHEMEX ICP	As ppm H-CORE CHEMEX ICP	Sb ppm H-CORE CHEMEX ICP	Te ppm H-CORE CHEMEX AA	
A 01	.0	5.0												
A 01	5.0	10.0	98	2554	60	28.	4.	4.87	3.	.2	5.	5.		
A 01	10.0	20.0	95	2555	87	27.	4.	7.26	3.	.2	40.	5.		
A 01	20.0	30.0	104	2556	104	22.	5.	6.62	3.	.2	40.	5.		
A 01	30.0	40.0	100	2557	95	21.	4.	6.93	3.	.2	50.	5.		
A 01	40.0	50.0	93	2558	87	30.	5.	5.46	3.	.2	40.	5.		
A 01	50.0	60.0	98	2559	93	84.	9.	6.20	3.	.2	30.	5.		
A 01	60.0	70.0	104	2560	104	33.	5.	5.58	3.	.2	40.	5.		
A 01	70.0	80.0	100	2561	92	46.	5.	6.29	3.	.2	30.	5.		
A 01	80.0	90.0	100	2562	100	31.	5.	5.76	3.	.2	50.	5.		
A 01	90.0	100.0	100	2563	100	31.	5.	5.08	3.	.2	50.	5.		
A 01	100.0	110.0	100	2564	100	24.	4.	6.04	3.	.2	30.	5.		
A 01	110.0	120.0	100	2565	100	23.	4.	6.18	3.	.2	30.	5.		
A 01	120.0	130.0	94	2566	88	24.	4.	6.27	3.	.2	20.	5.		
A 01	130.0	139.0	96	2567	93	28.	6.	6.88	3.	.2	10.	5.		
A 01	139.0	144.0	82	2568	68	69.	8.	8.87	3.	.2	10.	5.		
A 01	144.0	150.0	110	2569	110	3.	4.	15.84	3.	.2	20.	5.		
A 01	150.0	155.0	100	2570	93	15.	5.	14.14	3.	.2	60.	5.		
A 01	155.0	160.0	100	2571	100	1.	2.	19.78	3.	.2	80.	5.		
A 01	160.0	165.0	102	2572	102	4.	4.	14.83	3.	.2	50.	5.		
A 01	165.0	170.0	103	2573	97	27.	5.	12.81	3.	.2	70.	5.		
A 01	170.0	175.0	100	2574	100	13.	5.	12.61	3.	.2	90.	5.		
A 01	175.0	180.0	100	2575	100	23.	6.	11.45	3.	.2	90.	5.		
A 01	180.0	185.0	98	2576	98	25.	5.	10.35	3.	.2	80.	5.		
A 01	185.0	190.0	100	2577	100	32.	6.	8.69	3.	.2	60.	5.		
A 01	190.0	195.0	100	2578	100	60.	7.	10.43	3.	.2	60.	5.		
A 01	195.0	200.0	100	2579	100	24.	5.	8.60	3.	.2	40.	10.		
A 01	200.0	210.0	100	2580	100	28.	4.	5.50	10.	.2	20.	5.		
A 01	210.0	220.0	100	2581	100	41.	7.	5.58	3.	.2	30.	5.		
A 01	220.0	230.0	100	2582	100	46.	6.	4.50	3.	.2	50.	5.		
A 01	230.0	240.0	100	2583	100	33.	5.	7.21	3.	.2	5.	5.		
A 01	240.0	250.0	100	2584	100	30.	6.	5.53	3.	.2	30.	5.		
A 01	250.0	260.5	99	2585	98	30.	4.	11.74	5.	.2	20.	5.		
A 01	260.5	265.0	104	2586	104	742.	6.	19.53	3.	.2	50.	5.		
A 01	265.0	270.0	100	2587	100	670.	8.	19.77	3.	.2	30.	5.		
A 01	270.0	274.0	100	2588	100	1.	4.	27.24	3.	.2	70.	20.		
A 01	274.0	280.0	100	2589	100	93.	5.	8.21	3.	.2	80.	5.		
A 01	280.0	285.0	100	2590	100	92.	9.	5.51	3.	.2	70.	5.		
A 01	285.0	290.0	100	2591	100	68.	6.	4.39	3.	.2	70.	5.		
A 01	290.0	295.0	100	2592	100	59.	6.	6.44	3.	.2	70.	5.		
A 01	295.0	302.0	100	2593	95	74.	4.	14.64	3.	.2	80.	5.		
A 01	302.0	305.0	100	2594	100	29.	6.	5.84	3.	.2	10.	5.		
A 01	305.0	310.0	100	2595	100	25.	7.	4.63	3.	.2	20.	5.		
A 01	310.0	315.0	100	2596	85	14.	6.	3.13	3.	.2	20.	5.		
A 01	315.0	320.0	100	2597	100	22.	4.	3.55	3.	.2	10.	5.		
A 01	320.0	327.0	100	2598	93	51.	5.	6.64	3.	.2	20.	5.		
A 01	327.0	340.0	100	2599	98	41.	6.	4.38	3.	.2	10.	5.		

UTAH MINES LTD., VANCOUVER B.C.
PEMBERTON PROJECT

DRILLHOLE/TRAVERSE : DHEC158 (CONTINUED)

					AD01 ANALYTICAL DATA									
A UMM	FROM	TO	RECOV	SAMPLE	RQD %	Cu ppm	Mo ppm	Fe %	Au ppb	Ag ppm	As ppm	Sb ppm	Te ppm	
A TYP					W-CORE	H-CORE	H-CORE	H-COR	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
A LAB					FIELD	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	
A MTH					HAND	ICP	ICP	ICP	FA-AA	ICP	ICP	ICP	AA	
A 01	340.0	350.0	100	2600	100	61.	6.	4.07	3.	.2	5.	5.		
A 01	350.0	360.0	100	2601	100	55.	5.	4.51	3.	.2	10.	5.		
A 01	360.0	370.0	100	2602	100	65.	5.	7.97	3.	.2	5.	5.		
A 01	370.0	380.0	100	2603	100	68.	5.	6.82	3.	.2	10.	5.		
A 01	380.0	390.0	100	2604	98	69.	4.	7.74	3.	.2	20.	5.		
A 01	390.0	400.0	100	2605	98	151.	4.	8.68	3.	.2	20.	5.		
A 01	400.0	410.0	100	2606	100	98.	4.	7.94	3.	.2	20.	5.		
A 01	410.0	420.0	100	2607	98	263.	5.	8.16	3.	.2	20.	5.		
A 01	420.0	430.0	100	2608	100	98.	7.	8.89	3.	.2	20.	5.		
A 01	430.0	440.0	100	2609	97	357.	6.	9.63	3.	.2	110.	5.		
A 01	440.0	450.0	92	2610	71	143.	7.	7.90	3.	.2	30.	5.		
A 01	450.0	460.0	92	2611	72	95.	5.	7.78	3.	.2	10.	5.		
A 01	460.0	470.0	100	2612	100	48.	6.	6.81	3.	.2	5.	5.		
A 01	470.0	480.0	100	2613	100	52.	4.	8.43	3.	.2	10.	5.		
A 01	480.0	490.0	70	2614	66	57.	4.	7.54	3.	.2	20.	5.		
A 01	490.0	500.0	81	2615	70	56.	5.	8.11	3.	.2	20.	5.		

					AD02 ANALYTICAL DATA				
A UMM	FROM	TO	RECOV	SAMPLE	Pb ppm	Zn ppm	Ag ppm	Bi ppm	Ba ppm
A TYP					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE
A LAB					CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX
A MTH					ICP	ICP	ICP	ICP	ICP
A 02	.0	5.0							
A 02	5.0	10.0	98	2554	2.	210.	.2	59.	1.
A 02	10.0	20.0	95	2555	1.	430.	.2	68.	1.
A 02	20.0	30.0	104	2556	1.	10.	.2	82.	1.
A 02	30.0	40.0	100	2557	1.	10.	.2	193.	1.
A 02	40.0	50.0	93	2558	1.	10.	.2	89.	1.
A 02	50.0	60.0	98	2559	1.	10.	.2	94.	1.
A 02	60.0	70.0	104	2560	1.	10.	.2	82.	1.
A 02	70.0	80.0	100	2561	1.	10.	.2	77.	2.
A 02	80.0	90.0	100	2562	1.	5.	.2	73.	1.
A 02	90.0	100.0	100	2563	1.	5.	.2	87.	1.
A 02	100.0	110.0	100	2564	1.	10.	.2	76.	1.
A 02	110.0	120.0	100	2565	1.	10.	.2	64.	2.
A 02	120.0	130.0	94	2566	1.	10.	.2	55.	1.
A 02	130.0	139.0	96	2567	1.	20.	.2	67.	1.
A 02	139.0	144.0	82	2568	4.	30.	.2	65.	1.
A 02	144.0	150.0	110	2569	1.	50.	.2	43.	1.
A 02	150.0	155.0	100	2570	1.	60.	.2	80.	1.
A 02	155.0	160.0	100	2571	1.	60.	.2	105.	1.
A 02	160.0	165.0	102	2572	1.	60.	.2	141.	4.
A 02	165.0	170.0	103	2573	6.	50.	.2	162.	4.
A 02	170.0	175.0	100	2574	6.	60.	.2	198.	10.
A 02	175.0	180.0	100	2575	14.	60.	.2	194.	12.
A 02	180.0	185.0	98	2576	24.	50.	.2	169.	2.

UTAH MINES LTD., VANCOUVER B.C.
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DRILLHOLE/TRVERSE : DHEC158 (CONTINUED)

AD02 ANALYTICAL DATA									
A UMM	FROM	TO	RECOV	SAMPLE	Pb ppm	Zn ppm	Ag ppm	Bi ppm	Ba ppm
A TYP					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE
A LAB					CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX
A MTH					ICP	ICP	ICP	ICP	ICP
A 02	185.0	190.0	100	2577	26.	30.	.2	125.	1.
A 02	190.0	195.0	100	2578	24.	50.	.2	183.	6.
A 02	195.0	200.0	100	2579	22.	30.	.2	174.	1.
A 02	200.0	210.0	100	2580	1.	5.	.2	59.	1.
A 02	210.0	220.0	100	2581	20.	10.	.2	121.	8.
A 02	220.0	230.0	100	2582	8.	5.	.2	88.	4.
A 02	230.0	240.0	100	2583	1.	5.	.2	85.	2.
A 02	240.0	250.0	100	2584	18.	10.	.2	93.	8.
A 02	250.0	260.5	99	2585	1.	10.	.2	82.	1.
A 02	260.5	265.0	104	2586	1.	20.	.2	57.	1.
A 02	265.0	270.0	100	2587	1.	20.	.2	92.	1.
A 02	270.0	274.0	100	2588	1.	30.	.2	88.	1.
A 02	274.0	280.0	100	2589	1.	5.	.2	125.	2.
A 02	280.0	285.0	100	2590	2.	5.	.2	138.	1.
A 02	285.0	290.0	100	2591	2.	5.	.2	109.	1.
A 02	290.0	295.0	100	2592	4.	5.	.2	151.	2.
A 02	295.0	302.0	100	2593	26.	70.	.2	101.	2.
A 02	302.0	305.0	100	2594	20.	20.	.2	107.	1.
A 02	305.0	310.0	100	2595	10.	20.	.2	221.	1.
A 02	310.0	315.0	100	2596	16.	10.	.2	71.	1.
A 02	315.0	320.0	100	2597	10.	10.	.2	69.	1.
A 02	320.0	327.0	100	2598	22.	20.	.2	97.	1.
A 02	327.0	340.0	100	2599	12.	5.	.2	110.	1.
A 02	340.0	350.0	100	2600	10.	5.	.2	106.	1.
A 02	350.0	360.0	100	2601	2.	5.	.2	87.	2.
A 02	360.0	370.0	100	2602	1.	10.	.2	120.	1.
A 02	370.0	380.0	100	2603	1.	5.	.2	127.	1.
A 02	380.0	390.0	100	2604	1.	5.	.2	114.	1.
A 02	390.0	400.0	100	2605	2.	10.	.2	122.	4.
A 02	400.0	410.0	100	2606	1.	5.	.2	122.	4.
A 02	410.0	420.0	100	2607	6.	10.	.2	143.	4.
A 02	420.0	430.0	100	2608	1.	5.	.2	106.	8.
A 02	430.0	440.0	100	2609	4.	10.	.2	120.	20.
A 02	440.0	450.0	92	2610	10.	10.	.2	152.	12.
A 02	450.0	460.0	92	2611	1.	5.	.2	137.	10.
A 02	460.0	470.0	100	2612	1.	10.	.2	132.	12.
A 02	470.0	480.0	100	2613	1.	10.	.2	116.	4.
A 02	480.0	490.0	70	2614	1.	180.	.2	92.	4.
A 02	490.0	500.0	81	2615	1.	150.	.2	117.	8.



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CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8517888-004-A
INVOICE # : I8517888
DATE : 6-NOV-85
P.O. # : NONE

Semi quantitative multi element ICP analysis

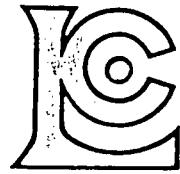
Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
ATTN: J.B. RICHARDS & H. MUNTANION

Sample description	Au ppb EA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
1749	<5	0.04	0.2	30	<10	<0.5	90	<0.01	<0.5	<1	51	214	4.63	<10	<0.01	<10	<0.01	28	2	<0.01	4	<10	<2	<10	3	<0.01	<10	<10	1	<10	<10	--
1750	15	0.09	0.2	150	<10	<0.5	108	<0.01	0.5	<1	47	465	9.79	<10	<0.01	<10	<0.01	17	8	<0.01	3	<10	<2	<10	5	<0.01	<10	<10	3	<10	<10	--
2501	<5	0.06	0.2	10	<10	<0.5	40	<0.01	<0.5	<1	36	281	6.19	<10	<0.01	<10	<0.01	22	2	<0.01	2	<10	<2	<10	1	<0.01	<10	<10	<1	<10	<10	--
2502	<5	0.02	0.2	<10	<10	<0.5	22	<0.01	<0.5	<1	31	100	2.46	<10	<0.01	<10	<0.01	31	1	<0.01	4	<10	<2	<10	<1	<0.01	<10	<10	<1	<10	<10	--
2503	<5	0.02	0.2	<10	<10	<0.5	10	<0.01	<0.5	<1	33	75	1.99	<10	<0.01	<10	<0.01	21	3	<0.01	2	<10	<2	<10	<1	<0.01	<10	<10	<1	<10	<10	--
2504	<5	0.03	0.2	20	<10	<0.5	16	<0.01	<0.5	<1	34	107	3.24	<10	<0.01	<10	<0.01	28	4	<0.01	4	<10	<2	<10	<1	<0.01	<10	<10	<1	<10	<10	--
2505	<5	0.01	0.2	<10	<10	<0.5	2	<0.01	<0.5	<1	44	33	1.21	<10	<0.01	<10	<0.01	37	3	<0.01	5	<10	<2	<10	2	<0.01	<10	<10	<1	<10	<10	--
2506	<5	0.01	0.2	20	<10	<0.5	2	<0.01	<0.5	<1	42	53	1.57	<10	<0.01	<10	<0.01	64	4	<0.01	8	<10	<2	<10	2	<0.01	<10	<10	<1	<10	<10	--
2507	<5	0.03	0.2	20	<10	<0.5	4	<0.01	<0.5	<1	43	106	2.67	<10	<0.01	<10	<0.01	49	6	<0.01	6	<10	<2	<10	2	<0.01	<10	<10	1	<10	<10	--
2508	<5	0.01	0.2	<10	<10	<0.5	2	<0.01	<0.5	<1	51	67	1.90	<10	<0.01	<10	<0.01	72	4	<0.01	8	<10	<2	<10	2	<0.01	<10	<10	<1	<10	<10	--
2509	<5	0.01	0.2	20	<10	<0.5	2	<0.01	<0.5	<1	46	51	1.59	<10	<0.01	<10	<0.01	62	4	<0.01	8	<10	<2	<10	3	<0.01	<10	<10	<1	<10	<10	--
2510	5	0.01	0.2	20	<10	<0.5	2	<0.01	<0.5	<1	45	46	1.43	<10	<0.01	<10	<0.01	58	4	<0.01	7	<10	<2	<10	2	<0.01	<10	<10	<1	<10	<10	--
2511	20	0.01	0.2	30	<10	<0.5	2	<0.01	<0.5	<1	49	57	1.54	<10	<0.01	<10	<0.01	35	2	<0.01	5	<10	<2	<10	2	<0.01	<10	<10	<1	<10	<10	--
2512	15	0.03	0.2	<10	<10	<0.5	2	0.02	<0.5	<1	42	75	1.58	<10	<0.01	<10	0.01	78	5	<0.01	7	<10	<2	<10	3	<0.01	<10	<10	1	<10	<10	--
2513	25	0.01	0.2	<10	<10	<0.5	2	<0.01	<0.5	<1	50	72	1.88	<10	<0.01	<10	<0.01	43	2	<0.01	4	<10	<2	<10	1	<0.01	<10	<10	<1	<10	<10	--
2514	25	0.01	0.2	10	<10	<0.5	2	<0.01	<0.5	<1	30	58	1.59	<10	<0.01	<10	<0.01	31	2	<0.01	3	<10	<2	<10	2	<0.01	<10	<10	<1	<10	<10	--
2515	5	0.01	0.2	30	<10	<0.5	2	<0.01	<0.5	<1	35	23	0.61	<10	<0.01	<10	<0.01	21	3	<0.01	3	<10	<2	<10	3	<0.01	<10	<10	<1	<10	<10	--
2516	10	0.01	0.2	70	<10	<0.5	4	<0.01	<0.5	<1	43	39	0.84	<10	<0.01	<10	<0.01	22	8	<0.01	2	<10	<2	10	1	<0.01	<10	<10	<1	<10	<10	--
2517	15	0.01	0.2	50	<10	<0.5	2	<0.01	<0.5	<1	42	84	1.71	<10	<0.01	<10	<0.01	57	6	<0.01	7	<10	<2	<10	1	<0.01	<10	<10	<1	<10	<10	--
2518	15	0.01	0.2	20	<10	<0.5	2	<0.01	<0.5	<1	34	55	1.36	<10	<0.01	<10	<0.01	48	4	<0.01	6	<10	<2	<10	1	<0.01	<10	<10	<1	<10	<10	--
2519	25	0.01	0.2	160	<10	<0.5	10	<0.01	<0.5	<1	41	100	2.49	<10	<0.01	<10	<0.01	54	8	<0.01	6	<10	<2	10	1	<0.01	<10	<10	1	<10	<10	--

Certified by Hart Buchler

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR3101940



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Telephone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : UTAH MINES LIMITED
1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

CERT. # : A8518174-002-A
INVOICE # : 18518174
DATE : 14-NOV-85
P.O. # : NONE

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
ATTN: J. B. RICHARDS & H. MUNTANION

Sample description	Au ppb EA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
2594	<5	0.21	0.2	10	20	<0.5	<2	<0.01	0.5	28	185	29	5.84	<10	0.03	<10	<0.01	107	6	0.01	19	10	20	<10	16	<0.01	<10	<10	3	<10	20	--
2595	<5	0.11	0.2	20	40	<0.5	<2	<0.01	1.0	56	98	25	4.63	<10	<0.01	<10	<0.01	221	7	<0.01	34	<10	10	<10	4	<0.01	20	<10	2	<10	20	--
2596	<5	0.09	0.2	20	70	<0.5	<2	<0.01	1.0	66	211	14	3.13	<10	<0.01	<10	<0.01	71	6	<0.01	32	<10	16	<10	4	<0.01	20	<10	2	<10	10	--
2597	<5	0.15	0.2	10	30	<0.5	<2	<0.01	0.5	40	172	22	3.55	<10	0.02	<10	<0.01	69	4	<0.01	20	10	10	<10	9	<0.01	10	<10	2	<10	10	--
2598	<5	0.10	0.2	20	10	<0.5	<2	<0.01	1.0	71	181	51	6.64	<10	0.01	<10	<0.01	97	5	<0.01	34	10	22	<10	10	<0.01	20	<10	2	<10	20	--
2599	<5	0.56	0.2	10	130	<0.5	<2	0.01	<0.5	18	160	41	4.38	<10	0.14	<10	<0.01	110	6	0.03	15	80	12	<10	101	<0.01	<10	<10	7	<10	<10	--
2600	<5	0.20	0.2	<10	80	<0.5	<2	0.01	<0.5	22	96	61	4.07	<10	0.04	<10	<0.01	106	6	0.01	18	50	10	<10	52	<0.01	<10	<10	3	<10	<10	--
2601	<5	0.17	0.2	10	50	<0.5	2	0.01	<0.5	49	130	55	4.51	<10	0.04	<10	<0.01	87	5	<0.01	22	50	2	<10	41	<0.01	<10	<10	2	<10	<10	--
2602	<5	0.13	0.2	<10	40	<0.5	<2	0.01	<0.5	31	93	65	7.97	<10	0.02	<10	<0.01	120	5	<0.01	21	20	<2	<10	23	<0.01	<10	<10	1	<10	10	--
2603	<5	0.18	0.2	10	20	<0.5	<2	0.01	<0.5	21	122	68	6.82	<10	0.04	<10	<0.01	127	5	0.01	20	30	<2	<10	24	<0.01	<10	<10	2	<10	<10	--
2604	<5	0.08	0.2	20	20	<0.5	<2	0.01	<0.5	24	56	69	7.74	<10	0.01	<10	<0.01	114	4	<0.01	18	10	<2	<10	9	<0.01	<10	<10	1	<10	<10	--
2605	<5	0.11	0.2	20	10	<0.5	4	0.01	<0.5	32	52	151	8.68	<10	0.02	<10	<0.01	122	4	<0.01	24	10	2	<10	12	<0.01	<10	<10	2	<10	10	--
2606	<5	0.13	0.2	20	20	<0.5	4	<0.01	<0.5	24	52	98	7.94	<10	0.03	<10	<0.01	122	4	<0.01	22	10	<2	<10	9	<0.01	<10	<10	1	<10	<10	--
2607	<5	0.12	0.2	20	20	<0.5	4	0.01	<0.5	37	54	263	8.16	<10	0.02	<10	<0.01	143	5	<0.01	25	20	6	<10	12	<0.01	<10	<10	1	<10	10	--
2608	<5	0.17	0.2	20	20	<0.5	8	0.01	<0.5	25	52	98	8.89	<10	0.04	<10	<0.01	106	7	0.01	22	20	<2	<10	18	<0.01	<10	<10	2	<10	<10	--
2609	<5	0.12	0.2	110	20	<0.5	20	0.01	0.5	57	52	357	9.63	<10	0.03	<10	<0.01	120	6	<0.01	30	10	4	<10	11	<0.01	<10	<10	1	<10	10	--
2610	<5	0.17	0.2	20	50	<0.5	12	0.01	<0.5	46	70	142	7.90	<10	0.04	<10	<0.01	152	7	0.01	31	20	10	<10	13	<0.01	<10	<10	2	<10	10	--
2611	<5	0.21	0.2	10	10	<0.5	10	0.01	<0.5	26	39	95	7.78	<10	0.02	<10	<0.01	137	5	<0.01	19	<10	<2	<10	10	<0.01	<10	<10	3	<10	<10	--
2612	<5	0.24	0.2	<10	20	<0.5	12	0.01	<0.5	22	57	48	6.81	<10	0.01	<10	<0.01	132	6	<0.01	16	10	<2	<10	8	<0.01	<10	<10	3	<10	10	--
2613	<5	0.41	0.2	10	20	<0.5	4	0.01	<0.5	24	43	52	8.43	<10	0.02	<10	<0.01	116	4	<0.01	17	<10	<2	<10	9	<0.01	<10	<10	6	<10	10	--
2614	<5	0.25	0.2	20	40	<0.5	4	<0.01	0.5	31	59	57	7.54	<10	0.01	<10	<0.01	92	4	<0.01	18	10	<2	<10	9	<0.01	<10	<10	6	<10	150	--
2615	<5	0.27	0.2	20	40	<0.5	8	<0.01	0.5	33	40	56	8.11	<10	<0.01	<10	<0.01	117	5	<0.01	17	<10	<2	<10	7	<0.01	<10	<10	6	<10	150	--

Certified by

Hank Bichler

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2010940

Geological Survey Report with multiple tables and sections. The report includes data on various geological features, with sections labeled 'PAGE 1' through 'PAGE 5'. The tables contain columns for 'SECTION', 'DESCRIPTION', 'LOCALITY', 'ELEVATION', and 'REMARKS'. The text is oriented vertically on the page.

Geological Branch
Assessment Report

4641

PEMBERTON 2

PEMBERTON 3

EC 157

127 47' W

345

838

837

836

EC 158

835

834

58 38' N

577

566

565

558

557

548

EC 156

579

572

571

560

559

550

549

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,394

581

574

573

552

551

YOUGHAN CREEK

UTAH MINES LTD.

PEMBERTON PROJECT

LOCATION MAP

NUMBERED CLAIMS
ARE EXPO.
EG. EXPO 557

576

575

SCALE

0

1 KM