



520115W0009 37 McVICAR LAKE

DIAMON

010

AREA: McVICAR LAKE

REPORT NO: 37

WORK PERFORMED FOR: BHP - UTAH Mines Ltd.

RECORDED HOLDER: SAME AS ABOVE (xx)

: OTHER

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
KRL 914872	ML46	529'	Sept/89	(1)
KRL 914978/ KRL 914979	ML47	339'	Sept/89	(1)
KRL 914983	ML48	559'	Sept-Oct/89	(1)
KRL 846057	ML49	209'	Oct/89	(1)
KRL 886074	ML50	439'	Oct/89	(1)
KRL 911382/ KRL 886072	ML51	219'm	Oct/89	(1)

NOTES: (1) W8909.179, filed Jan/90

HOLE NO. HL 89-46

PROJECT: McVICAR 1446

PAGE NO. 1 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 25, 1989

REF. TO CLAIM CORNER:

COORDINATES: 13+00S N. 7+50 E E.

DATE FINISHED: SEPT 27, 1989

SCALE: 1" = 10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 529'

LOGGED BY: CJW

COMMENTS:

AVE CORE
REC'Y / HOLE

SULPHIDES

DRILLING
INTERVAL% CORE
RECOVEREDCORE
SIZESAMPLE
INTERVAL% REC'Y
SAMP. INT.ESTI-
MATED

DESCRIPTIVE GEOLOGY

0.0' - 83.6' OVERBURDEN

CASING REMAINS

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

JAN - 5 1990

RECEIVED

Bw
C
A
S
I
N
G

HOLE NO. ML 89-46

PROJECT: McVICAR 1446

PAGE NO: 2 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 25, 1989

REF. TO CLAIM CORNER:

COORDINATES: 13+00 S N. 7+50 E E.

DATE FINISHED: SEPT 27, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 529'

LOGGED BY: CSW

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	K-SPAR	EPIDOTE	CARBONATE	FRACTURING										
60					RTZ	0.0' - 88.6' OVERBURDEN cont...					92-0702			
70														
80														
90						88.6' - 100.2' GABBRO		NIL		100	8Q			
						FINE TO MED. GRAINED, DARK GREEN, MASSIVE TO V. WEAKLY FOLIATED (35-50° TCA), WEAK TO MOD. EPIDOTE ALT. AS PATCHES AND SCALE FRACTURES 230° TCA. MOD. CM TO DM SCALE QTZ VEINS 20°-30° TCA. AND MM TO CM SCALE CARBONATE VNS. 60° TO 80° TCA. MOD. K-SPAR ALT. ASSOC WITH QTZ VEINS. TRACE TO 1% DISS PY, TRACE Fe		NIL		100				
100								93'						
								NIL		100				
110								109'						
								TR PY		95				
								119'						
						5cm QTZ/RTZ VNS								
						3-8cm QTZ VNS.								

HOLE NO. ML 89-46

PROJECT: McVICAR 1446

PAGE NO. 3 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 25, 1989

REF. TO CLAIM CORNER:

COORDINATES: 13+00S

N. 7+5DE E.

DATE FINISHED: SEPT 27, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 529'

LOGGED BY: CJW

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	K-SPAR	EPIDOTE	CARBONATE												
120							88.6' - 180.8' GABBRO cont...		NIL			80'			
											100			5'	3651
130										129'			129'		
									TR PY		100				
140							10 cm QTZ/K-SPAR VN			139'			139'		
									TR PY		100			5'	3652
150							10 cm QTZ/K-SPAR VN			149'			149'		
									TR PY, PO		100				
160										159'					
									TR PY, PO		100				
170							5 cm QTZ VN 2-3% PY			169'					
									TR PY, PO		100				
										179'					

DIPTTEST @ 169' → 37°

HOLE NO. ML89-46

PROJECT: McVICAR 1446

PAGE NO: 4 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 25, 1989

REF. TO CLAIM CORNER:

COORDINATES: 13+00 S. N. 7+50 E. E.

DATE FINISHED: SEPT 27, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 529'

LOGGED BY: CJSW

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTIMATED
	K-SPAR	EPIDOTE	CARBONATE												
180							GRADATIONAL INT.		TR-10% PY			BQ	180'	4'	3653
							SMOKY ANORTHOSITE QZ W/ TR-3% PY			189'	100		189'	4'	3654
190							GRADATIONAL		TR-3% PY TR CPY				192'	4'	3655
							GRADATIONAL			199'	100		197'	5'	3656
200							SMOKY QZ TO TEA		1-3% PO TR CPY				200'	5'	3657
										209'	100		211'	5'	3658
210									1-5% PO TR-10% CPY				216'	5'	3659
										219'	100		221'	5'	3660
220									TR PO						
										229'	100				
230									TR PY, PO						
										239'	100				

DESCRIPTIVE GEOLOGY

180.8' - 188.3' BRECCIATED / SHEARED GABBRO

FINE GRAINED, MED. BUFF GREY (BLEACHED) MOD-INTENSELY BRECCIATED / FOLIATED WITH MOD-INTENSE CARBONATE INFILLING. 5-20% DISS. PY (2.5mm)

188.3' - 192.0' QUARTZ

FINE WHITE BULK QZ, 10% LITHIC FRAGMENTS, TRACE TO 3% DISS PY

192.0' - 195.1' BRECCIATED ANORTHOSITE

LIGHT GREENISH GREY, MED GRAINED, MOD-INTENSELY BRECCIATED / SHEARED WITH MOD-INTENSE CARBONATE INFILLING, TR-1% PY, TR CPY

195.1' - 199.3' BRECCIATED GABBRO

AS IN 180.8 - 188.3' WITH WEAK-MOD. BRECCIATION AND CARBONATE INFILLING, 1% TO TRACE PY

199.3' - 200.0' ALTERED ANORTHOSITE

MED. BLUEISH-GREY (SMOKY), MED. TO COARSE GRAINED, MOD. TO INTENSELY STRAINED (FINE FIBTURES, SHATTERED, POSSIBLY SILICIFIED?), WEAK TO MOD. CARBONATE. TRACE TO 5% (AVG 2-3%) DISS PO (2.5mm), TRACE TO 1% CPY

HOLE NO. ML89-46

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13+00.3

N. 7+50 E E.

INCLINATION: -45°

BEARING: 240°

PROJECT: McVICAR 1446

DATE STARTED: SEPT 25, 1989

DATE FINISHED: SEPT 27, 1989

TOTAL DEPTH: 529'

PAGE NO: 5 OF 9

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: CSW

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	K-SPAR	EPIDOTE	CARBONATE												
240							SHARP CUTS @ 60° TCA ALTERED ALTERED ALTERED SHARP CUT @ 80° TCA 1% QZ VNS @ 20-30% PY SHARP CUTS @ 90° ALTERED GRADATIONAL SHARP @ 35° SHARP @ 35° GRADATIONAL SHARP @ 35° GRADATIONAL	240.0'-240.7' GABBRO AS IN 23.6'-180.8' 240.7'-252.6' ALTERED ANORTHOITE / ANORTHOITE AS IN 179.3'-240.0' WITH PATCHES OF UNALTERED, WHITE, MED. TO COARSE GRAINED, NIL TO TRACE PY 252.6'-261.4' GABBRO MED-DK. GREEN, MED. GRAINED, MASSIVE TO WEAKLY FOLIATED @ 50° TCA MINOR EPIDOTE AND CARBONATE ALTERATION 261.4'-269.5' ANORTHOITE MED. GREEN-WHITE, COARSE GRAINED, MASSIVE, MINOR CARBONATE ALT. MINOR BLUEISH-GREY ALTERATION 269.5'-272.0' ALTERED ANORTHOITE MED. OLIVE GREEN, MED. TO FINE GRAINED, MOD. TO INTENSE CARB. ALT. AS VNTS. AND PERVASIVE 272.0'-279.8' ALTERED ANORTHOITE MED. TO DK. GREEN, FINE TO COARSE GRAINED, MOD. TO INTENSE CARB AS VNTS AND PERVASIVE, TR. TO 3% DISS PY 279.8'-281.7' CARBONATE BRECCIA LIGHT GREY-WHITE, FINE TO MED. GRAINED, 5-10% LITHIC FRAGMENTS WHICH CONTAIN 1-3% DISS PY 281.7'-289.0' GABBRO V. FINE TO FINE GRAINED, MED-DK. GREEN, WEAK FOLIATION @ 50° TCA MOD. TO INTENSE CARBONATE ALT. AS VNT. AND PERVASIVE, TR. TO 4% PY, TR. TO 4% PY 289.0'-302.5' GABBRO MED. GRAINED, MED. GREEN, MASSIVE WITH WEAK TO MOD. MIN-CM SCALE QZ VNS WITH ASSOC. K-SPAR, MINOR EPIDOTE AND CARB. ALT.	NL TR PY TR-5% PY TR PY TR-1% PY TR-3% PY TR PY	149' 259' 269' 279' 289' 299'	100 100 100 100 100 100	50 253' 257' 261' 270' 275' 280' 285'	4' 4' 5' 5' 5'	3661 3662 3663 3664 3665	

HOLE NO. ML 83-46

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13+00 S

N. 7+50 E E.

INCLINATION: -45°

BEARING: 240°

PROJECT: McVICAR 1441

DATE STARTED: SEPT 25, 1983

DATE FINISHED: SEPT 27, 1983

TOTAL DEPTH: 529'

PAGE NO: 6 OF 9

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: CSW

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	K-SPAR	EPIDOTE	CARBONATE												
300							289.6-302.5 GABBRO cont...		ML-TR PY			80			
							302.5-309.0 BRECCIATED GABBRO				100				
							MED GREY GREEN, FINE GRAINED, MEDIUMLY FOLIATED @ 40° TCA, MOD. CARB			309'					
							ALT. 4: INFILLING BTW FRAGMENTS (CN-DK SLATE FRAGS)								
310							309.0-352.6 GABBRO		TR PY		100				
							AS IN 289.0-302.5 WITH WEAK QTZ VEINING AND MINOR BRECCIATION								
							WITH CARBONATE INFILLING.			315'					
320									TR PY		100				
										325'					
330									TR PY		100				
										335'					
340									TR PY		100				
										345'					
350									ML-TR		100				
							250.6-372.7 FELDSPAR PORPHYRY						351'		
							DARK BROWN TO GREY WITH ATOM SUBHEDRAL TO ELLIPSED FELD GRAINS (B-52)								
							SET IN AN APOPHANITE GROUNDMASS, BLOCKY APPEARANCE, INTERMEDIATE								
							COMPOSITION.								
										355'					

HOLE NO. ML 89-46

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 13+00 S N. 7+50 E E.

INCLINATION: -45° BEARING: 240°

PROJECT: McVicar 1446

DATE STARTED: SEPT 25, 1989

DATE FINISHED: SEPT 27, 1989

TOTAL DEPTH: 572'

PAGE NO: 7 OF 9

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: CSW

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	L-SIL	EPID	CARBONATE												
360							350.6' - 372.0' FELDSPAR PORPHYRY cont...		NIL			BQ			
370							SHARP CNT @ 30° 10' @ 12.5% PY		NIL	369'	100		369'	5'	3667
							AS IN 300.7' - 350.6' WITH MOD. CARB. VNS AND WEAK FOLIATION @ 35° TIL.				100		374'		
380									TR PY	379'	100				
390									TR PY	389'	100				
400							SHARP CNT @ 60° TIL GRADATIONAL		TR-1% To	399'	100				
							402.0' - 408.0' EPIDOTITE FINE GRained MED. GREY GREEN NEARLY HOMOGENEOUS MOD. TO INTENSE CARB. ALT. AT VNS AND PERUBING. SMALL (10cm) PATCH OF DK. HONEY YELLOW EPIDOTITE.			409'	100				
410							408.0' - 416.0' GREEK AS IN 372.0' - 399.5' WITH MOD. CARB. ALT. AND MINOR EPIDOTE		TR PY	419'	100				

HOLE NO. ML 89-46

PROJECT: McVicar 1446

PAGE NO: 8 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 23, 1989

REF. TO CLAIM CORNER:

COORDINATES: 13+00 S N. 7+50 E E.

DATE FINISHED: SEPT 27, 1989

SCALE: 1"=10'

INCLINATION: -45° BEARING: 240°

TOTAL DEPTH: 529'

LOGGED BY: CJW

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	K-FSPR	EPIDOTE	CARBONATE												
420							408.0' - 424.0' GABBRO CONT...		TR-1% PY			BO			
							426.0' - 427.0' ANORTOSITE				100				
							COARSE GRAINED, GREEN-WHITE, MASSIVE, MINOR QTZ VNLTs, TR-1% PY			925'					
430							427.0' - 435.5' GABBRO		TR-4% CPY PO						
							AS IN 408.0' - 424.0' WITH PATCHES (DM SCALE) OF ANORTOSITE, TR-1% CPY, PO VNLTs.				100				
							435.5' - 438.0' FELSIC INTRUSIVE			435'					
							FINE TO MED. GRAINED, 60% SUBEOPICAL TO EUMEDRAL FELD.								
440							WEAK FOLIATION @ 60° TCA. MIN. BIOTITE		ML-TR PY						
							438.0' - 452.3' FELDSPAR PORPHYRY				100				
							AS IN 350.6' - 372.0' WITH 15-30% FELD GRAINS								
							452.3' - 453.7' FELSIC INTRUSIVE			445'					
450							AS IN 435.5' - 438.0' WITH INCLUSIONS OF PORPHYRY		ML-TR PY						
							453.7' - 503.7' FELDSPAR PORPHYRY			455'					
							AS IN 438.0' - 452.3'				100				
460									ML-TR PY						
										465'					
470									ML-TR PY						
										475'					

HOLE NO. ML89-46

PROJECT: McVICAR 1446

PAGE NO: 9 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 25, 1989

REF. TO CLAIM CORNER:

COORDINATES: 13+00 S

N. 7+50 E E.

DATE FINISHED: SEPT 27, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: Z40°

TOTAL DEPTH: 529'

LOGGED BY: CSW

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	K-SPAR	EPIDOTE	CARBONATE	FRACTURING									
				RTZ	MINERAL	GEOLOGY							
480													
						453.7'-503.7' FELDSPAR PORPHYRY cont...	ML-TR PY		100	BQ			
490							ML-TR PY	481'	100				
500						2% QZL VN CL-TR CPY	TR-12 PY PO CPY	499'	100		504'		
						GABBRO		509'			509'		3669
510						GREEN ALT. FELIC INT.	TR PO PY		100				
						FELIC INT.		509'					
520						FELIC INT.	TR CP PO PY		100				
						GABBRO + GREENALT ENTS							
530						DIPTEST @ 525' → 33°		525'					
						END @ 529'							

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS: 57 ft. casing left in hole. Dtp tests : @ 169 ft. = 37° @ 309 ft. = 37°	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	K-SPAR.	CHLOR.	CARB.												
0							0 - 57' Overburden / Casing. - CASING REMAINS					BW			
10															
20															
30															
40															
50															
57' - 74'									NIL	59'	100%	BW			

HOLE NO. ML89-47

CASING COLLAR ELEV.:

COORDINATES: 18°00 S N. 10+50 E.

INCLINATION: -45° W BEARING: 240°

PROJECT: Lachar 1046

DATE STARTED: Oct. 23/89

DATE FINISHED: Sept. 20/89

TOTAL DEPTH: 339 ft.

PAGE NO: 2 OF 6

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Bob Covill

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
	k-spar	chlorite	CARB.												
60							57-74 Granite cont'd. Fine to med. grained. + - med. cuss / gray. lssv. - mod. fld. @ 35°-45° tca. >10% Qtz. Equigranular. Carb. occurs pervasively along fractures. Ppt. disseminated.		TR-12 PK.		100%	30'			
70							mod. sheared shrp. ct. @ 25° tca.		NIL	69'			69'	5'	3670
80							shrp. ct. @ 25° tca. w/ gouge. wky. sheared.		TR-12 PK.	79'	100%		79'	5'	3671
90							41-79 MAFIC Volcanic Fine grained. Med. grey / green. lssv. fld. / shear ~ 45° tca. carb. occurs as fracture infill. Ppt. disseminated.		TR PK.		100%				
100							79-105 Granite 25° from 7-74'		NIL	89'					
110									TR-12 PK.	99'	100%				
120							105-127 Porphyritic Cobble Fine-med. grained. Med. black-gray. up to 50% subhedral feldspar phenocrysts. lssv. - wky. fld. @ ~50° tca. Carb. occurs as irregular vult's. No k-spar. mineralization occasionally w/ Qtz. vns.		NIL	109'					
									NIL	119'	100%				

HOLE NO. ML89-47

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 18+00S X 10+50 E.

INCLINATION: 45°W BEARING: 240°

PROJECT: MacVicar 1446

DATE STARTED: 21. 28/89

DATE FINISHED: 21. 30/89

TOTAL DEPTH: 339 ft.

PAGE NO: 3 OF 6

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Bob Covill

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	K-SPAL.	CHAL.	CARD.	FRACTURING										
120						- Int. volc. clst. t. @ 50' tea.		WIL		100%	302			
130						steep. ct. @ 20' tea. (fracture).		TR-PY	125'			129'		
						30' altered zone.		TR-PY PY, Pb.		100%		134'	5	3672
140								TR-PY PY, Pb.	135'			141'		
										100%		146'	5'	3673
150								TR-PY PY, Pb.	149'			151'	5'	3674
										100%		156'	5'	3675
160								TR-PY PY	159'					
170								TR-PY	169'			169'	5'	3676
180									170'					

105' - 127' Porphyritic Gabbro cont'd.

127' - 169' - Sheared / Altered Granite

Fin-med. grained. Lt-med. grey. lod. - Strongly feld/sheared
 @ ~40' tea. Cr. occurs pervasively throughout as
 vult. patches (fracture infill). PY + Pb occur as
 disse. at base. Yellowish/green alteration occurs in
 zones.

altered
zone.

wk. ingr. ct.

169' - 226' - Porphyritic Gabbro

Fin-med. grained. med. dk. grey. up to 30% subhedral
 plagioclase phenocrysts. Mssu. - wky (H) @ 450' tea.
 Carb. occur. as vults. Occasional centi-decimeter
 scale intermediate-mafic volcanic clasts.

HOLE NO. ML89-47

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 18+00 S X 10+50 E.

INCLINATION: -45° W BEARING: 240°

PROJECT: MacVicar 1446

DATE STARTED: Sept. 28/89

DATE FINISHED: Sept. 30/89

TOTAL DEPTH: 339 ft.

PAGE NO: 4. OF 6

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Bob Covill

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTI-MATED
	L-SAR.	CHLOR.	CARD												
180						X	167' - 226' Porphy. ... cont'd.		ML	189'	100%	30'			
190						X			ML	199'	100%				
200						X			TR PY	209'	100%				
210						X			TR-12 PY	219'	100%				
220						X			TR PY	229'	100%				
230						X	sharp ct @ 60' ca		ML	231'			231'		
						X	sharp ct @ 20' ca		TR-12 PY		100%		235'	4'	3677
						X	sharp ct @ 70' ca		TR-12 PY	239'				5'	3678
240						X	2-3 cm QV @ 60' ca 30% L-Sper. N.A.S.								

226' - 231' - ...

231' - 235' - ...

235' - 240' - ...

Fine to med. ... med. green/gray ... 155V to med. ftd/ ...

HOLE NO. 4489-47

PROJECT: McVicar 446

PAGE NO: 5 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Sept. 28/89

REF. TO CLAIM CORNER:

COORDINATES: 18+00 S 10+50 E.

DATE FINISHED: Sept 30/89

SCALE: 1" = 10'

INCLINATION: -45° W BEARING: 240°

TOTAL DEPTH: 339 ft.

LOGGED BY: Bob Covill

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
	K-SAR.	CHLOR.	CARB.												
240															
						X									
						X									
						X	4-5 cm QV @ 246' to 247' K-spar. NAS.				100%		246'		
						X	5 cm QV.			249'				5'	3679
250						X									
						X					100%				
						X				259'					
260						X	2 cm QV.								
						X					100%				
						X	4 cm QV 3-way sheared.			269'					
270						X	shear pt. @ 35' to 36'.								
						X					100%				
						X	10 cm QV.			279'					
280						X									
						X	sharp at 20' to 21'.				100%				
						V				289'					
290						V	sharp at 45' to 46'.								
						X					100%				
						X									
						X	3-way shear zone.			299'					
300						X									

235'-270' Gabbro cov'd. . .
 Carb. occurs as irregular units. Occasional cm scale
 porphyritic gabbro inclusions. Pt occurs as disseminations.

270'-284' Perphyritic Gabbro.
 As from 167'-226'. Med grey to med grey/green. up to 40%
 antedial feldspar phenocrysts. More chloritic than from
 167' to 226'.

284'-289' - Matrix Volcanic.
 As from 231'-235'.

289'-305' - Perphyritic Gabbro.
 As from 270' to 284'.

INCLINATION: -45° (w) BEARING: 240°

PROJECT: MacVicar 1446
DATE STARTED: Sept. 28/89
DATE FINISHED: Sept. 30/89
TOTAL DEPTH: 339 ft.

PAGE NO: 6 OF 6

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Bob Covill

[illegible]

HOLE NO. ML89-48

PROJECT: McVICAR 1440

PAGE NO: 1 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1989

REF. TO CLAIM CORNER:

COORDINATES: 24+00S N. 13+75 E E.

DATE FINISHED: OCT 2, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 559'

LOGGED BY: CJW

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
	EPIDOTE	K-SPAR	CARBONATE	FRACTURING										
0						0'-6.0' OVERBURDEN CLAY REMAINS								
10						6.0'-14.5' ANORTHOITE GABBRO WHITE TO MED. GREEN, MED. TO COARSE GRAINED, MOD. BROKEN-UP, FRACTURED, MASSIVE TO WEAKLY FOLIATED & 40° TCA.		NIL	9'	100	80			
20						14.5'-28.5' ANORTHOITE COARSE TO V. COARSE GRAINED, WHITE TO MED. GREEN, MASSIVE, MOD. TO V. BROKEN-UP		NIL	18'	100				
30						28.5'-32.5' PORPHYRITIC MAFIC VOLCANIC DARK GREY-BLACK APHANTIC GRANULITES TO LIMB SUBHEDRAL FELDSPARS, MOD. FRACTURED, BROKEN-UP.		NIL	29'	95				
40						32.5'-54.0' GABBRO MED. GR. (FEET), MED. GRAINED, MASSIVE TO WEAKLY FOLIATED 35°-40° TCA. MIN EPIDOTE ALTH AS FRACTURES, MOD K-SPAR ALT. ASSOC. ST QZ-FELD VEINS, SOME POSSESSING A GRAPHIC TEXTURE (PEGMATITIC), K-SPAR ALSO SEEN DIS IN AREAS, MOD TO V. BROKEN-UP AND FRACTURED SUB TCA. MIN. COR. ALONG FRACTURES		NIL	39'	100				
50						54.0'-60.0' ANORTHOITE GABBRO AS IN 6.0'-14.5' WITH MIN. FRACTURES: SUB TCA.		NIL	49'	95				
									55'					

HOLE NO. ML 89-48

PROJECT: McVICAR 1446

PAGE NO: 2 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1983

REF. TO CLAIM CORNER:

COORDINATES: 24+00 S N. 13+75 E E.

DATE FINISHED: OCT 2, 1983

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 555'

LOGGED BY: CSW

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EA DATE	X-SPAR	CARBONATE	FRACTURING									
					MINERAL								
					GEOLOGY								
60													
						54.0' - 68.0' ANORTHOSITIC GABBRO CONT...	NK-TR PY			BQ			
						68.0' - 74.0' QUARTZ DIORITE LIGHT-MED. GREY, FINE-MED. GRAINED, QTZ RICH (20-40%) IN XENOLITHS OF GABBRO. MASSIVE-WEAKLY FOLIATED @ 40° TCA. TR=1% PO, PY		69'	100		69'		
70						74.0' - 89.0' SHEARED/BRECCIATED GABBRO MED. GREEN, FINE GRAINED, MOD-SHEARED @ 45° TCA, MIN. BRECCIATION WITH CARBONATE INFILLING, MOD QTZ VEINING AND SIG. FOLIATION V. BRONZE, 1-1.5", 2 FT. LOST CORE, 2-3% PY, TR, CPY	TR=4% PY PO		95		74'	5'	3684
								79'			79'	5'	3685
80							2-3% PY TR CPY		75		89'	5'	3686
						89.0' - 124.3' GABBRO MED. GREEN, MED. GRAINED WITH MOD K-SPAR ALT 45° TO QTZ/FELD VEINS. MOD. EPIDOTE ALONG FRACTURES, MIN CARB. MASSIVE TO WEAKLY FOLIATED @ 40° TCA. TRACE DG: PY, CPY		89'			89'	5'	3687
90							NK-TR PY		100				
								99'					
100							TR PY		100				
								109'			109'	5'	3688
110							TR=1% PY		100		114'	5'	3689
								119'			119'	5'	3689

HOLE NO. ML89-48

PROJECT: MELVICAR 1446

PAGE NO: 3 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1983

REF. TO CLAIM CORNER:

COORDINATES: 2400 S N. 13+75 E E.

DATE FINISHED: OCT 2, 1983

SCALE: 1"=10'

INCLINATION: 45° BEARING: 240°

TOTAL DEPTH: 559'

LOGGED BY: CSW

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTI-MATED
	EPIDOTE	K-SPAR	CARBONATE	FRACTURING									
120					GRABATIONAL		TR-3% PY		100	BQ	124'	5'	3690
130					ANORTHOSITE		TR-1% PY	125'			125'	5'	3691
									100		134'	5'	3692
140								135'			135'	5'	3693
					ANORTHOSITE		TR PY		100				
150					GRABATIONAL			145'					
							TR PY						
160					ANORTHOSITE			155'					
							TR PY		100				
170								165'			169'		
							TR-1% PY		100		174'	5'	3694
								179'					

89.0' - 124.3' GABRO cont...

124.3' - 135.7' SHEARED / BRECCIATED GABRO

MED- DK GREEN, FINE GRAINED, MOD. BRECCIATED AND SHEARED @ 60°-70° TCA. TRACE TO 3% DIS PY. MOD CARB. ALT AS BRECCIA INFILLING

135.7' - 146.0' ANORTHOSITE GABRO

AS IN 6.4' - 4.5', MASSIVE TO WEAKLY FOLIATED @ 50° TCA, MIN. CARB. EPIDOTE, AND K-SPAR ALT. MIN. 3% DIS DIORITE AT END OF UNIT, VERY IRREGULAR

146.0' - 149.6' GABRO

FINE GRAINED, MED- DK. GREEN, MIN. EPIDOTE ALT. MASSIVE

149.6' - 174.5' GABRO / QUARTZ DIORITE

MED. GREEN- GREY, FINE TO MED. GRAINED, MASSIVE TO WEAKLY FOLIATED @ 50° TCA. IRREGULAR PATCHWORK OF GABRO AND QZ. DIORITE. WEAKLY MOD EPIDOTE ALT. MIN QZ VEINS. MOD TO INTENSE AMOUNT OF DIS MAGNETITE THROUGHOUT

174.5' - 177.0' ANORTHOSITE

COARSE GRAINED, MED. BUFF- WHITE TO GREEN, MASSIVE, MIN. CARB. ALT.

177.0' - 178.7' INFIL VOLCANIC

FINE GRAINED, MED. GREEN, INTENSE CARB. ALT - PERVASIVE, MOD WELL FOLIOLED @ 50° TCA. 1-2% DIS PY.

178.7' - 180.7' ANORTHOSITE

AS IN 174.5' - 177.0'

DIP TEST @ 169° = 45°

SHARP CWT.

@ 70° TCA

SHARP LITS

@ 50° TCA

HOLE NO. ML89-48

PROJECT: McVICAR 1446

PAGE NO: 4 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1989

REF. TO CLAIM CORNER:

COORDINATES: 2400S

N. 13475 E E.

DATE FINISHED: OCT 2, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 559'

LOGGED BY: CJW

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI- MATED
	EPIDOTE	K-SPAR	CARBONATE	FRACTURING									
180					IRREGULAR CNTS.		TR PY		100	BQ			
					180.7 - 182.0 GABBRO AS IN 146.0 - 149.6								
					182.0 - 183.0 ANTHROPSITE AS IN 174.5 - 177.0 W MOD. QZ VEINS			183'					
190					183.0 - 192.0 GABBRO / QUARTZ DIORITE AS IN 149.6 - 174.5, TRACE DIS: PY		TR-24 PY		100		190'		
					192.0 - 195.2 MAFIC VOLCANIC AS IN 177.0 - 178.7 W 1-2% DIS: PY						195'	5'	3695
					195.2 - 196.3 GABBRO AS IN 180.7 - 182.0			199'			200'	5'	3696
200					196.3 - 202.6 MAFIC VOLCANIC AS IN 177.0 - 178.7, SIMPLIFIED WITH MOD. EPIDOTE ACT. ALONG FRACTURES, QZ / FELD VEINS		TR PY		100				
					202.6 - 231.5 QUARTZ DIORITE MED GREYISH-WHITE GREEB, MED. GRAINED, MASSIVE TO WEABLY FOLIATED @ 60°-70°, MIN. CARB. ALONG FRACTURES		MIL-TR PY	209'	100				
210								219'					
							MIL-TR PY		100				
220								229'					
									100				
230							TR PY						
					231.5 - 340.0 MAFIC VOLCANIC AS IN 176.3 - 202.6, MOD. FRACTURED BY CARB. ALT.				100				
								355'		V			

HOLE NO. ML 89-48

PROJECT: McVICAR 1446

PAGE NO: 7 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1989

REF. TO CLAIM CORNER:

COORDINATES: 24100 S N. 13+75 E E.

DATE FINISHED: OCT 2, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 290°

TOTAL DEPTH: 559'

LOGGED BY: CJSW

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EPIDOTE	K-SPAR	CARBONATE	FRACTURING										
360						359.2' - 362.5' GABBRO / QUARTZ DIORITE AS IN 149.6' - 174.5' 362.5' - 369.5' ANORTHOCLASE AS IN 335.6' - 359.2' 369.5' - 372.7' INTERMEDIATE VOLCANIC APHANITIC, LIGHT-MED. GRAY, SUBCATHEDRAL FRACTURES, MASSIVE 370.7' - 390.0' GABBRO / QUARTZ DIORITE AS IN 149.6' - 174.5', MIN. K-SPAR ADX. WITH QZ/FELD VENTS		TR PY		100	8Q	364'		
370								TR PY	369'			369'	5'	3698'
380								TR PY	379'	100				
390						390.0' - 396.0' GRANITE MED. GRAY PINK, MED. GRAINED, MOD. QZ-K-SPAR VEINS, MASSIVE TO WEAKLY FOLIATED @ 50' TCA 396.0' - 401.2' GABBRO / QUARTZ DIORITE AS IN 370.7' - 390.0' 401.2' - 414.2' GABBRO FINE-MED. GRAINED, MED. GREEN C. MOD. CARB. ALT. AS VEINLETS @ 35-45' TCA		TR PY	389'	100				
400								TR PY	399'	100				
410								TR PY	409'					
						414.3' - 434.5' GABBRO / QUARTZ DIORITE AS IN 370.7' - 390.0'		TR PY	419'	100				

HOLE NO. ML 89-48

PROJECT: McVICAR 1446

PAGE NO: 8 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1989

REF. TO CLAIM CORNER:

COORDINATES: 24+00S N. 13+75E E.

DATE FINISHED: OCT 2, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 553'

LOGGED BY: C.J.W.

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	X SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	EPIDOTE	K-SPAR	CARBONATE	FRACTURING									
				MINERAL	GEOLGY	DESCRIPTIVE GEOLOGY							
420					QTZ	419.3'-434.5' GABBRO / QUARTZ DIORITE. cont...	TR PY		100	BQ			
430						434.5'-443.0' ANORTHOITE AS IN 335.6'-359.2'	NIL	425'	100				
440					SAMPLE @ 70°TCA			435'					
450					SAMPLE @ 30°TCA	443.0'-451.2' GABBRO FINE GRAINED, MED-DK. GREEN, MASSIVE TO WEAKLY FOLIATED @ 40°TCA. FINE DIS. PY.	TR-19. PY	445'	100				
460					SAMPLE @ 45°TCA	451.2'-456.0' ANORTHOITE AS IN 335.6'-359.2'	TR-19. PY	455'	100				
470					SAMPLE @ 45°TCA	456.0'-461.5' GABBRO AS IN 443.0'-451.2'		465'					
					GRAFTATIONAL	461.5'-464.7' GABBRO / QUARTZ DIORITE AS IN 414.3'-434.5'	TR PY		100				
					IRREGULAR	464.7'-468.3' GABBRO AS IN 443.0'-451.2' TO MINOR SHEARING @ 40°TCA AND MED CARB. ALT.		469'					
					SAMPLE @ 40°TCA	468.3'-472.5' ANORTHOITE AS IN 335.6'-359.2'	NIL		100				
						472.0'-517.2' QUARTZ DIORITE MED. GREEN-GREEN, MASSIVE TO WEAKLY FOLIATED @ 40°TCA, MED EPIDOTE ALT. ALONG FRACTURES AND PATCHES, MIN. DIS. K-SPAR.		475'		Y			

HOLE NO. ML 89-48

PROJECT: McVICAR 1446

PAGE NO: 9 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1989

REF. TO CLAIM CORNER:

COORDINATES: 24005 N. 13475 E. E.

DATE FINISHED: OCT 2, 1989

SCALE: 1"=10'

INCLINATION: -45° BEARING: 240°

TOTAL DEPTH: 559'

LOGGED BY: CJW

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	QUARTZ	K-SPAR	CARBONATE	FRACTURING									
480							NIL		100	80	484'		
490							NIL	489'	100		489'	5'	3699'
500							NIL	499'	100				
510							NIL	509'	100		509'		
							NIL	519'	100		514'	5'	3700
520							NIL	529'	100				
530							NIL	539'	100				

470.0' - 517.3' QUARTZ DIOPHYTE cont...

SHAPE
@ 30° TCA

517.3' - 521.3' AMPHIBOLITE

AS IN 335.6 - 339.2'

521.3' - 531.0' AMPHIBOLITE GABRO

MIXTURE OF AMPHIBOLITE AND GABRO, GRADING FROM ONE TO THE
OTHER. MIN. CRACKING.

HOLE NO. ML 89-48

PROJECT: McVICAR 1446

PAGE NO: 10 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: SEPT 30, 1983

REF. TO CLAIM CORNER:

COORDINATES: 24400 S N. 13+75E E.

DATE FINISHED: OCT 2, 1983

SCALE: 1"=10'

INCLINATION: -45° BEARING: 240°

TOTAL DEPTH: 553'

LOGGED BY: CSW

SECTION	ALTERATION					GEOLOGY	COMMENTS:	AVE CORE REC'D / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'D SAMP. INT.	ESTI- MATED
	EPIDOTE	K-SPAR	CARBONATE	FRACTURING	MINERAL										
540							521.5' - 531.0' ANORTHOSITE (GABBRO) (CONT.)		NIL		100	BQ			
550							531.0' - 557.5' ANORTHOSITE AS IN 335.0' - 359.2'			543'					
							557.5' - 559.0' GABBRO AS IN 443.0' - 451.2'		ML		100				
560							DIP TEST @ 559' = 37°			553'		Y			
570							559.0' EDH								

HOLE NO. ML8F-49

PROJECT: HecV. car 1446

PAGE NO: 1 OF 4

M-

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Oct. 3/89

REF. TO CLAIM CORNER:

COORDINATES: 12400 S

2-25 E.

DATE FINISHED: Oct. 4/89

SCALE: 1" = 10'

INCLINATION: -45° W

BEARING: 240°

TOTAL DEPTH: 209 ft.

LOGGED BY: Bob Covill

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: 7 ft. Casing left in this. Dip tests : @ 209 ft. = 40°	AVE CORE REC'Y. / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI- MATED
0																
10																
20																
30																
40																
50																
60																

0-7' Overburden / Casing.

7'-48' Anorthositic Gabbro

Fine to med grained Lt. grey to lt buff grey. Mssv. to wky. foliated (sl) & gabbro. Up to 60% feldspar. Contains fine grained, light grey "altered" zones. These zones are med. to med. grained feldspars seen in altered rock. contacts are gradational. carb. veins in med. to med. gr. rock.

Altered zone.

Med. streaked/altered.

wky. altered

Med. streaked.

Heavily altered.

48'-53' Leached basaltic volcano

Fine grained, med. to med. gr. dark grey to black. Mssv. to wky. foliated (sl) & gabbro. Up to 60% feldspar. Contains fine grained, light grey "altered" zones. These zones are med. to med. grained feldspars seen in altered rock. contacts are gradational. carb. veins in med. to med. gr. rock.

53'-57' Anorthositic Gabbro

As from 2' to 48' no "altered" zones. P₀ occurs in coatings.

NIL

9'

NIL

100%

NIL

19'

100%

TR-1%
P₀.

27'

100%

NIL

39'

100%

TR-1%
P₀.

49'

TR-1%
P₀.

59'

38'

23'

48'

53'

5'

5'

3701

3702

HOLE NO. ML89-49

PROJECT: MacVicar 11116

PAGE NO: 2 OF 4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Oct. 3/89

REF. TO CLAIM CORNER:

COORDINATES: 12700 S X 12+25 E.

DATE FINISHED: Oct. 4/89

SCALE: 1" = 10'

INCLINATION: -45°W BEARING: 240°

TOTAL DEPTH: 204 ft.

LOGGED BY: Bob Couill

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
60							53'-62' Anorthositic Gabbro cont'd.		NIL		100%		62'		
70							62'-73' Silicified Gabbro Fine grained light grey massive, gradational with carb. is pervasive throughout. Py + Pz occur as masses (patches).		TR-17% Po.	69'				6'	3703
							73'-81' Anorthositic Gabbro As from 53'-62'. Occasional occasional "interbedded" intermediate volcanic clasts.		TR-15% Po + Py.		100%		73'		
80							81'-97' Silicified / Mineralized Gabbro Fine grained. Dark grey, sharp upper & lower at @ ~60' loc. 90% of unit has been replaced by quartz & sulphide. Po + Py is pervasive & massive.		TR-3% Po.	79'			81'		
							97'-105' Silicified / Mineralized Gabbro Fine grained. Dark grey, sharp upper & lower at @ ~60' loc. 90% of unit has been replaced by quartz & sulphide. Po + Py is pervasive & massive.		TR-3% Po + Py.		100%		86'	5'	3704
90							105'-111' Silicified Gabbro Fine grained. Dark grey, sharp upper & lower at @ ~60' loc. Sharp at @ ~50' loc. Carb. occurs as veins. Py + Pz occurs as dissemination.		TR-19% Po.	89'			91'	5'	3705
							111'-128' Anorthositic Gabbro. As from 53'-62'.		1-10% Po + Py.		100%		97'	6'	3706
100							128'-135' Anorthositic Gabbro. As from 53'-62'.		TR-3% Po + Py.	99'			105'		
							135'-141' Silicified Gabbro Fine grained. Dark grey, sharp upper & lower at @ ~60' loc. Sharp at @ ~50' loc. Carb. occurs as veins. Py + Pz occurs as dissemination.		TR-3% Po + Py.		100%		111'	6'	3707
110							141'-148' Anorthositic Gabbro. As from 53'-62'.		NIL		100%				
120							148'-155' Anorthositic Gabbro. As from 53'-62'.			119'					

HOLE NO. ML89-49

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: 12+00 S

X 12+25 E.

INCLINATION: -45°W

BEARING: 240°

PROJECT: MacVicar 1146

DATE STARTED: Oct. 3/89

DATE FINISHED: Oct. 4/89

TOTAL DEPTH: 209 ft.

PAGE NO: 3 OF 4

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: Bob Covill

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
			CARB.													
120																
								111'-128' Anorthositic Gabbro cont'd				100%				
130							3cm carb. vn sub/tac.	128'-157' Anorthositic Silicified Gabbro As from 81'-97'. Not as intensely silicified. Up to 20% Po, py in crystallization. Crystalline disrupted upper ct. Sharp lower ct. @ 55' ca.		15-20% Po. 1-5% py.	129'			29'	5'	3708
												100%				
											139'				5'	3709
140										10-15% Po. 1-5% py.						
												100%			5'	3710
											149'					
150										1-5% Po, Py.						
												100%				
160								157'-184' Anorthositic Gabbro. As from 53'-67'.		TR-17% Po.	159'					
												100%				
											169'					
170										NIL.						
												100%				
180											179'					

HOLE NO. ML89-50

PROJECT: McVicar 1446

PAGE NO: 1 OF 8

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: OCT 4, 1989

REF. TO CLAIM CORNER:

COORDINATES: 7100 N

N. 1+50 W E.

DATE FINISHED: OCT 7, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 439'

LOGGED BY: CJW

M

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	EPIDOTE	ADP. GR. MICA	SERICITE	CARBONATE										
0						0.0' - 26.0' OVERBURDEN CASING REMAINS					BW			
10														
20														
30						26.0' - 135.0' MAG. VOLCANIC FINE-MED. GRAINED DK. GREEN, MASSIVE TO WEAKLY FOLIATED (@ 30° TCA) VERY BOUNDED WITH LOST TARE. WEAK TO MOD. CARBONATE ALTERATION AS MIN SCALE VESICULE AND PERVASIVE. LOW TO MOD. (1-2-3%) DIS. MAGNETITE 4mm. MINOR EPIDOTE ACT. ALONG FRACTURES WEAK MAGNETITE FROM 26.0' - 72.0' MOD. MAGNETITE FROM 72.0' - 94.0'		NIL	29'	95	BQ			
40								NIL		95				
50								NIL	33'					
									49'	95				
								NIL		90				
									51'					

HOLE NO. ML 89-50

PROJECT: McVicar 1446

PAGE NO: 2 OF 8

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: OCT 4, 1989

REF. TO CLAIM CORNER:

COORDINATES: 7+00N

N. 1+50 W E.

DATE FINISHED: OCT 7, 1989

SCALE: 1" = 10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 439'

LOGGED BY: CSW

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EPIDOTE	APPL. GR. MICA	SERPENTINE	CARBONATE										
60						26.0' - 135.0' MAFIC VOLCANIC cont...		NIL		65	30			
70								NIL	5'	100				
80								NIL	79'	100		79'	5'	3713
90								NIL	89'	85				
100								NIL	99'	100				
110								NIL	109'	100				
								NIL	119'	100				

HOLE NO. ML 89-50

PROJECT: McVicar 1446

PAGE NO: 3 OF 8

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: OCT 4, 1989

REF. TO CLAIM CORNER:

COORDINATES: 7+00 N

N. 1+50 W E.

DATE FINISHED: OCT 7, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 439'

LOGGED BY: CSW

SECTION	ALTERATION					FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EPIDOTE	APPLE GR. MICA	SERICITE	CARBONATE													
120	////								26.0' - 135.0' <u>MAFIC VOLCANIC</u> CONT...		NIL		100	B0			
130									135.0' - 147.5' <u>PHYLLITIC MAFIC VOLCANIC</u> FINE GRAINED, DK. GREENISH BLACK, FISSILE - SHEARED, VERY SOFT CLAY LIKE. FOLIATION @ 70° TCA		NIL	125'	90				
140									147.5' - 153.5' <u>BRECCIATED / SHEARED MAFIC VOLCANIC</u> FINE GRAINED, MED. GREEN, INTENSELY SHEARED / BRECCIATED WITH CENOCYTES FRAGMENTS (CM-SCALE) WITH CARBONATE INFILL FOLIATION @ 60° TCA		NIL	139'	45				
150									153.5' - 159.0' <u>SANDED IRONSTONE (BIA)</u> FINE GRAINED, DK. REDDISH BLACK, FINELY LAMINATED 80° TCA CENOCYTES, MDL. CARBONATE ALONG FRACTURES, 3.5' OF UNIT MISSING		NIL	149'	65		149'	5'	3714
160									159.0' - 209.0' <u>SHEARED ALTERED MAFIC VOLCANIC</u> MED. GREEN-GRAY TO WHITE, INTENSELY SHEARED WITH AUGENS AND BOUNDING OF QUARTZ AND FELDSPAR. MINOR AREAS OF GREEN MICA ALTERATION AND SERICITE ACT. MINOR CARBONATE ACT. MINOR CM-SCALE QUARTZ VEINING, TRACE TO 10% DISS. PY FOLIATION @ 50°-60° TCA.		NIL TR PY	159'	80				
170									DP TEST @ 165' = 40°		1-10% PY	169'	95				
												175'					

HOLE NO. ML 89-50

PROJECT: M. VICAR 1446

PAGE NO: 4 OF 8

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: OCT 4, 1989

REF. TO CLAIM CORNER:

COORDINATES: 7+00 N

N. 1450 W E.

DATE FINISHED: OCT 7, 1989

SCALE: 1"=10'

INCLINATION: -45°

BEARING: 240°

TOTAL DEPTH: 439'

LOGGED BY: CJW

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EPIDOTE	AMPHIBOLITE	SERICITE	CARBONATE										
180						2-10cm BTL VEIN (BARRE)		TR-17 P		90	BQ	184'	5'	3717
190								TR-17 P	185'			185'	5'	3718
200						IRREGULAR		TR PY	193'	30		193'	4	3719
210								TR PY	205'	10				
220								TR PY	215'	20				
230								TR PY	225'	25				
								TR PY	235'	25				

159.0' - 209.0' SHEARED ALTERED MAFIC VOLCANIC CONT...

209.0' - 239.0' PHYLLITIC MAFIC VOLCANIC

AS IN 125.0' - 149.5' VERY BROKEN-UP MADDY

HOLE NO. ML 89-50

PROJECT: McVICAR 1446

PAGE NO: 5 OF 8

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: OCT 4, 1989

REF. TO CLAIM CORNER:

COORDINATES: 7+00 N N. 1+50 W E.

DATE FINISHED: OCT 7, 1989

SCALE: 1"=10'

INCLINATION: -45° BEARING: 240°

TOTAL DEPTH: 439'

LOGGED BY: CJW

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EPIDOTE	APPL GR. MICA	SERICITE	CARBONATE												
240								239.0' - 327.0' TONALITE FINE GRAINED, LIGHT TO MED. GREY, <5% MPFELS, MASSIVE TO WEAKLY FOLIATED @ 50' TCA. MINOR AREAS OF QUARTZ VEINING, SILICIFICATION AND CARBONATE VEINING. SILICIFIED AREAS APPEAR BLEACHED TO LIGHT BUFF COLOURATION. TRACE TO 1% DISS PY. 								

SILICIFIED @ 4-5% QTY
TRACE PY, CPY

HOLE NO. ML 89-50	PROJECT: McVICAR 1446	PAGE NO: 6 OF 8
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED: OCT 4, 1983
COORDINATES: 7+00N	N. 1+50 W E.	DATE FINISHED: OCT 7, 1989
INCLINATION: -45°	BEARING: 240°	TOTAL DEPTH: 429'
		REF. TO CLAIM CORNER:
		SCALE: 1"=10'
		LOGGED BY: CSW

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	EPIDOTE	APPL. GR. MICA	SERICITE	CARBONATE												
300								239.0' - 327.0' TONALITE cont...					BQ			
												100				
310											309'			309'	5'	3722
											100			324'		
320											325'			325'	5'	3723
											100			321'	3'	3724
330											329'				5'	3725
										NIL				332'		
340											100					
											339'					
350										NIL				349'		
											100					
										NIL						
											100					
											359'					

HOLE NO. KL 89-50	PROJECT: McVICAR 1446	PAGE NO: 7 OF 8
CASING COLLAR ELEV.: GROUND ELEV.:	DATE STARTED: OCT 4, 1989	REF. TO CLAIM CORNER:
COORDINATES: 7+00 N N. 1+50 W E.	DATE FINISHED: OCT 7, 1989	SCALE: 1"=10'
INCLINATION: -45°	BEARING: 240°	TOTAL DEPTH: 439'
		LOGGED BY: CW

SECTION	ALTERATION				GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	EPIDOTE	APPLE GR. MICA	SERICITE	CARBONATE										
360						367.0' - 439.0' ANDREWSITE GABRO cont...		NIL			60			
									365'	100				
370								NIL		100				
									374'					
380								NIL		100				
									381'					
390								NIL		100				
									389'					
400								NIL		100			5'	3726
									399'					
410								NIL		100				
									405'					
								NIL					5'	3727
									414'					
									419'				5'	3728
									425'					

INCLINATION: -45°

GROUND ELEV.: _____

N. 1450 W. E.

BEARING: 240°

PROJECT: McVICAR 1446

DATE STARTED: Oct 4, 1989

DATE FINISHED: OCT 7, 1937

TOTAL DEPTH: 439'

PAGE NO: 8 OF 8

REF. TO CLAIM CORNER:

SCALE: 1"=10'

LOGGED BY: CJW

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
	EPIDOTE	APLE GR. MICA	SERICITE	CARBONATE												
420								327.0' - 439.0' ANORTHOSITIC GABBRO cont...		NIL		100	80			
430										NIL	429'					
								DIP TEST @ 439' → 37° EOH @ 439'			439'	100	Y			

HOLE NO. ML89-51

PROJECT: Macleod Hill

PAGE NO: 1 OF 4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Oct. 7/89

REF. TO CLAIM CORNER:

COORDINATES: 10+00

N. 8+15 E.

DATE FINISHED: Oct 20/89

SCALE: 1" = 10'

INCLINATION: -15° W

BEARING: 240°

TOTAL DEPTH: 219 ft.

LOGGED BY: Bob Covill

M

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: 11' casing left in hole. Dip test: @ 219' = 40°	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
0																
16								C-11 C. Corder, Casing CASING REMAINS					BW			
20								11'-219' Mafic-Intermediate Volcanic Fine to med. grained, red grey to med. grey/green. Massive to wk. foliated @ ~45° tea (SI). Carb. occurs pervasively as veins, irregular vults ("crackles"), & patches. Py occurs pervasively as disseminations, masses, & as coating. Py + cpy occur in lesser amounts as dissemination & as coatings.		TR-170 Po.	19'	100%	BQ			
30										TR-170 Po, cpy	29'	100%				
40										TR-170 Po.	39'	100%				
50										TR-170 Po, Py, cpy	49'	100%		5'	3729	
60										TR-170 Po, cpy	59'	100%				

INCLINATION: $45^{\circ}W$ BEARING: 240°

PROJECT: MacVicar 1446

DATE STARTED: Oct. 7/89

DATE FINISHED: Oct. 8/89

TOTAL DEPTH: 219 ft.

PAGE NO: 2 OF 4

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Bob Cavill

[illegible]

HOLE NO. ML89-51

PROJECT: MacVicar 1446

PAGE NO: 3 OF 4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Oct. 7/89

REF. TO CLAIM CORNER:

COORDINATES: 10+00 N. 8+15 E.

DATE FINISHED: Oct. 8/89

SCALE: 1"=10'

INCLINATION: -45° W BEARING: 240°

TOTAL DEPTH: 219 ft.

LOGGED BY: Bob Covill

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI- MATED
			CARB.	FRACTURING									
120													
130													
140													
150													
160													
170													
180													

DESCRIPTIVE GEOLOGY

11.0' - 219.0' MAFIC - INTERMEDIATE VOLCANIC (cont.)

4cm QV, no. 3.

1cm QV.

TR-170
P₀, P₁,
= P₁

129'

100%

BC

TR-170
P₁, P₀

129'

100%

TR-170
P₀, P₁

139'

100%

TR-170
P₀

149'

100%

TR-170
P₁, P₀

159'

100%

TR-170
P₀, P₁

169'

100%

179'

155'

164'

5'

3734

INCLINATION: -45° W

GROUND ELEV.:

N. 91+15 E.

BEARING: 240

PROJECT: MacVicar 1446

DATE STARTED: Oct. 7 / 89

DATE FINISHED: Oct. 8 / 89

TOTAL DEPTH: 219 ft.

PAGE NO: 4 OF 4

REF. TO CLAIM CORNER:

SCALE: 1" = 10'

LOGGED BY: Bob Cavitt

[illegible]



52011SW0009 37 MCVICAR LAKE

900



Ontario

DOCUMENT No.
W 9003-082

Instructions

- Please type or print.
- For each type of work performed, a separate Report of Work should be completed.
- For Geo-technical work, use form no. 1382 "Report of Work (Geological, Geophysical, Geochemical)" and form no. 878 "Expenditures".
- Refer to Sections 76 and 77, the Mining Act for assessment work requirements and the reverse side of this form for table of information.

Mining Act

Report of Work

Name and Address of Recorded Holder BHP-UTAH MINES LTD.	Prospector's Licence No. T 793
SUITE 900, 25 ADELAIDE STREET, EAST TORONTO, ONTARIO M5C 1Y2	Telephone No. (416) 368-3884

Summary of Distribution of Credits and Work Performance

Mining Division PATRICIA	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
Township or Area Stoughton (G2228) McVicar (G2121)									
Total Assessment Credits Claimed USING RESERVE OF 1966 days W8903-179	SEE APPENDED LIST								
Type of Work Performed (Check one only)									
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work									
☐ Mechanical equipment									
☐ Power Stripping other than Manual (maximum credit allowed - 100 days per claim)									
☒ Diamond or other Core drilling									
☐ Core Specimens									

Dates when work was performed From: Aug. 19/89 To: October 8, 1989	Total No. of Days Performed Reserve 2266	Total No. of Days Claimed 1966	Total No. of Days to be Claimed at a Future Date 300
---	---	-----------------------------------	---

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)		Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Required information eg. type of equipment, Names, Addresses, etc. (See Table on reverse side)

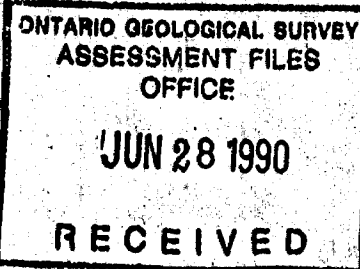
If space below is insufficient, attach schedules with required information and location sketches

SEE WORK REPORT W8903.179

"2266 DAYS HELD IN RESERVE" W8903-179

- 1966 days W9003-082

300 DAYS RESERVE



Certification of Beneficial Interest * (See Note No. 2 on reverse side)

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date May 31, 1990	Recorded Holder or Agent (Signature) Rodney N. Thomas
--	----------------------	--

Certification Verifying Report of Work

RODNEY N. THOMAS

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying RODNEY N. THOMAS BHP-UTAH MINES LTD. #900, 25 ADELAIDE ST. E. TORONTO	Telephone No. (416) 368-3884	Date MAY 31 1990	Certified By (Signature) Rodney N. Thomas
--	---------------------------------	---------------------	--

For Office Use Only

Work Assignments R. Mayhew RECORDED	Received stamp RECEIVED JUN 21 1990 PATRICIA MINING DIVISION
---	--

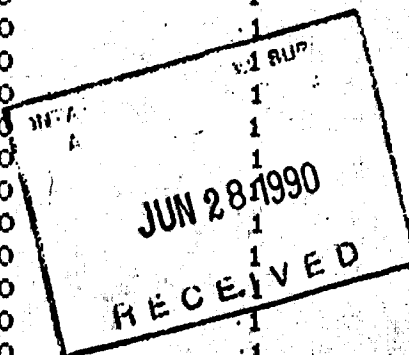
REPORT OF WORK - MAY 31, 1990

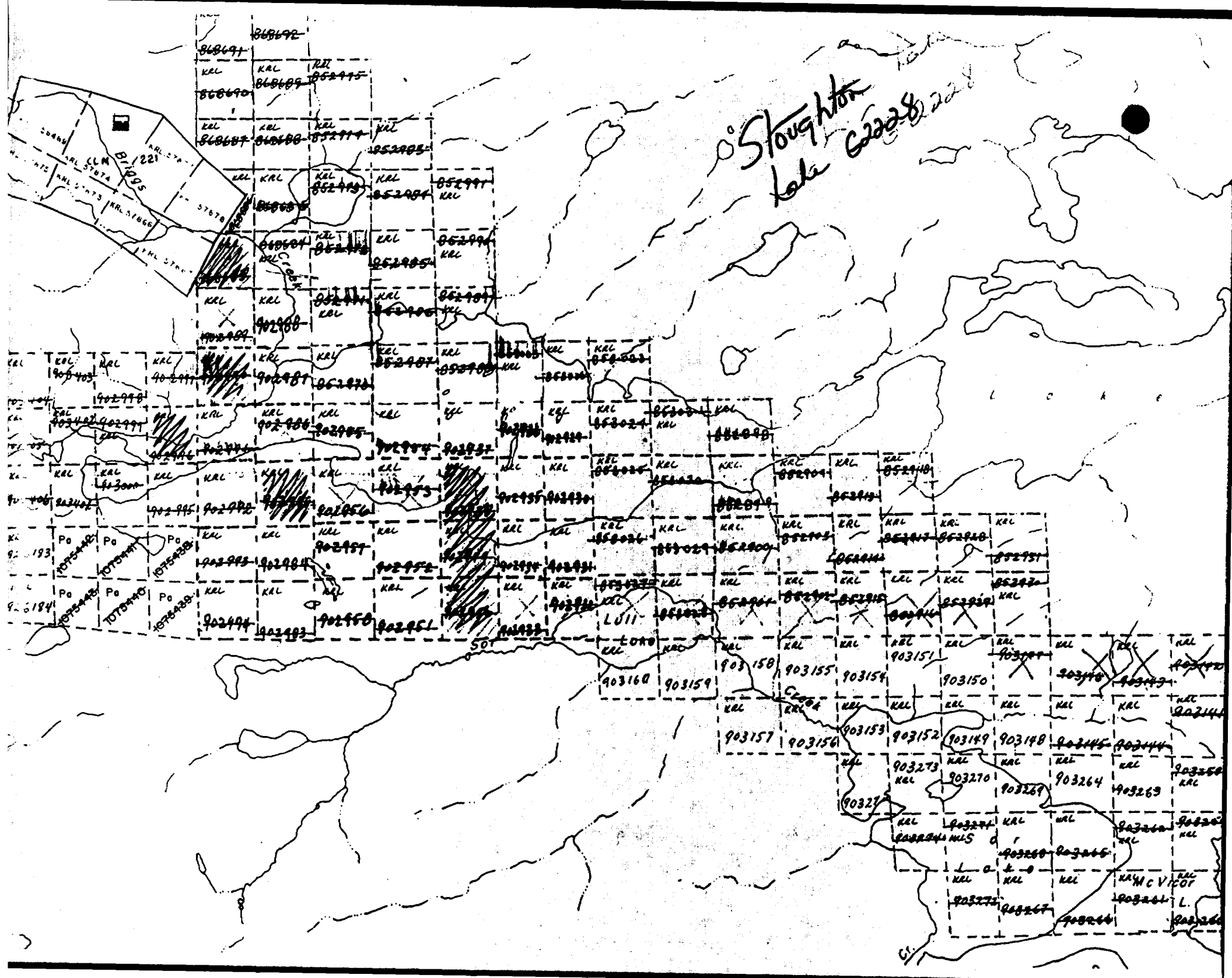
MDIV CLAIM RECDATE WKPREFILED AMTWKDUE WKFILED THIS REPORT TALLY

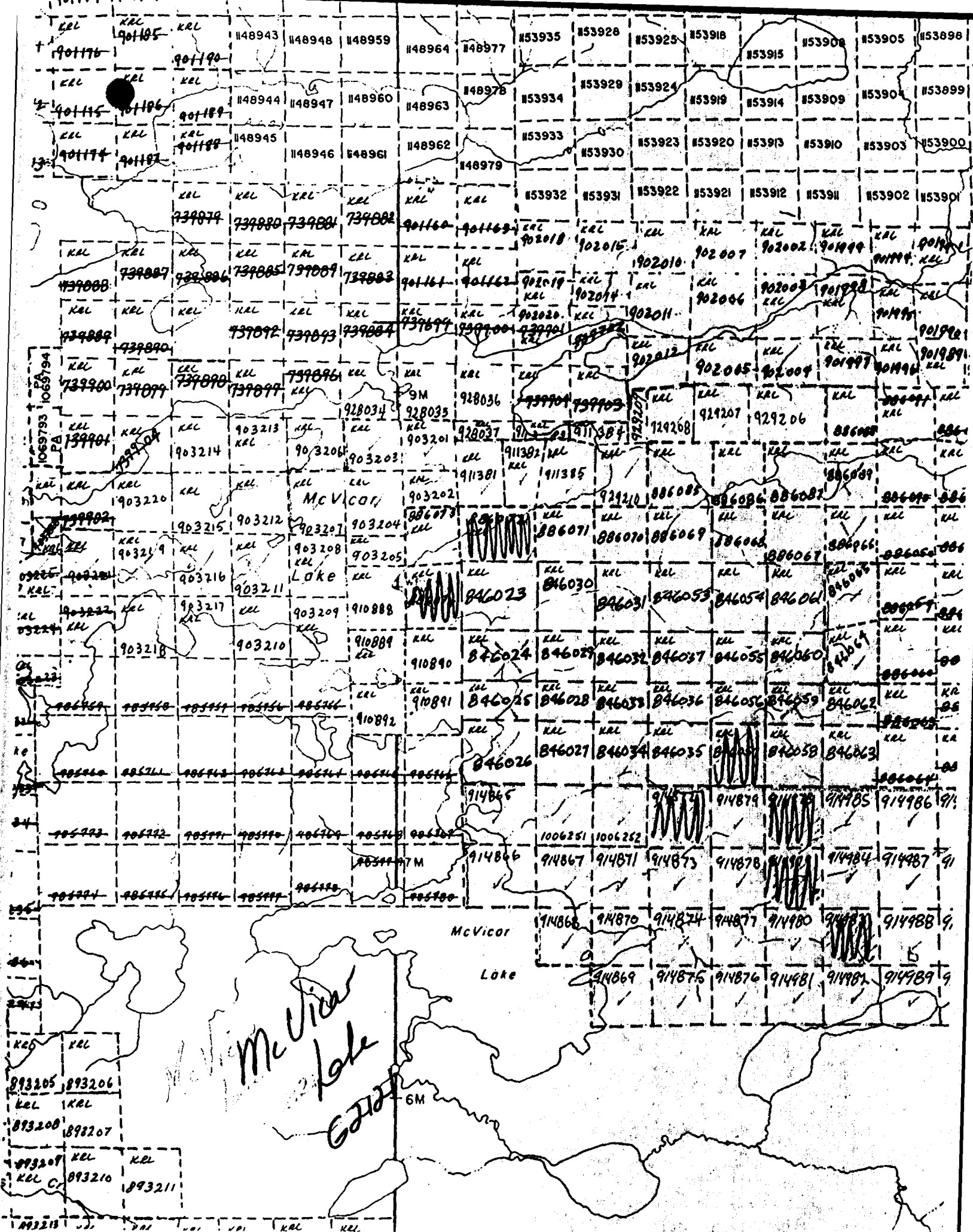
PA	100251	870720	60	40	40	1
PA	100252	870720	60	40	40	1
KRL	846064	851010	158	42	42	1
KRL	846065	851010	140	60	60	1
KRL	903201	860714	100	40	40	1
KRL	903202	860714	100	40	40	1
KRL	903203	860714	100	40	40	1
KRL	903204	860714	116	84	24	1
KRL	903207	860714	100	40	40	1
KRL	911381	860822	100	40	40	1
KRL	911382	860822	100	40	40	1
KRL	911384	860822	100	40	40	1
KRL	911385	860822	100	40	40	1
PA	914865	870805	60	40	40	1
PA	914866	870805	60	40	40	1
PA	914867	870805	60	40	40	1
PA	914868	870805	60	40	40	1
PA	914869	870805	60	40	40	1
PA	914870	870805	60	40	40	1
PA	914871	870805	60	40	40	1
PA	914872	870805	60	40	40	1
PA	914873	870805	60	40	40	1
PA	914874	870805	60	40	40	1
PA	914875	870805	60	40	40	1
PA	914876	870805	60	40	40	1
PA	914877	870805	60	40	40	1
PA	914878	870805	60	40	40	1
PA	914879	870805	60	40	40	1
PA	914978	870805	60	40	40	1
PA	914979	870805	60	40	40	1
PA	914980	870805	60	40	40	1
PA	914981	870805	60	40	40	1
PA	914982	870805	60	40	40	1
PA	914983	870805	60	40	40	1
PA	914984	870805	60	40	40	1
PA	914985	870805	60	40	40	1
PA	914986	870805	60	40	40	1
PA	914987	870805	60	40	40	1
PA	914988	870805	60	40	40	1
PA	914989	870805	60	40	40	1
PA	914990	870805	60	40	40	1
PA	914991	870805	60	40	40	1
PA	914992	870805	60	40	40	1
PA	914993	870805	60	40	40	1
KRL	929206	860815	100	40	40	1
KRL	929207	860815	100	40	40	1
KRL	929208	860815	100	40	40	1
KRL	929209	860815	100	40	40	1
KRL	929210	860815	100	30	40	1

TOTAL

1966







Name and Postal Address of Recorded Holder BHP-UTAH MINES LTD.	Mining Act <i>Stoughton Lake G2228</i> Expenditures: Prospector's Licence No. T 793
#900 - 25 Adelaide Street, East, Toronto, Ontario M5C 1Y2 <i>M^e Vicar Lake G2121</i>	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <i>4736</i>	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) ☐ Manual Work ☐ Shaft Sinking Drifting or other Lateral Work. ☐ Compressed Air, other Power driven or mechanical equip. ☐ Power Stripping ☒ Diamond or other Core drilling ☐ Land Survey		SEE							
		APPENDED							
		LIST							

All the work was performed on Mining Claim(s): **KRL.846057, 886072, 886074, 868683, 902938, 902949, 902950, 911382, 902985, 902990, 902996, PA.914872, 914978, 914979, 914983**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DIAMOND DRILLING CONTRACTOR: LANGLEY DRILLING, 49 JAYFIELD RD. BRAMPTON, ONTARIO L6S 3G3		
EQUIPMENT USED: JKS 300		
WORK PERIOD:		
DDH NO.	CLAIM NUMBER	T.D. FEET
LL89-08	868683	309'
LL89-09	902990	299'
LL89-10	902996	339'
LL89-11	902985	299'
LL89-12	902985	299'
LL89-13	902985	299'
LL89-14	902938/902949	299'
LL89-15	902949/902950	299'
ML 46	914872	529'
ML 47	914978/914979	339'
ML 48	914983	559'
ML 49	846057	209'
ML 50	886074	439'
ML 51	911382/886072	219'

2470 DAYS CREDIT ALLOCATED TO KRL 846057 et al

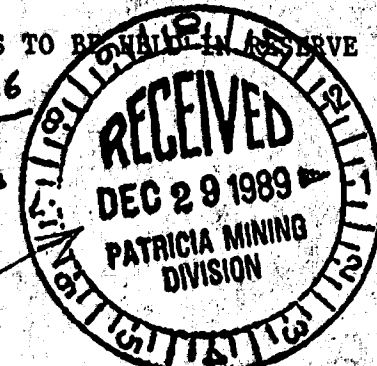
2266 DAYS TO BE MAINTAINED IN RESERVE

Using 9013-882 1966

Reserve 300 days

Recorded

TOTAL OF FEET - 4736'



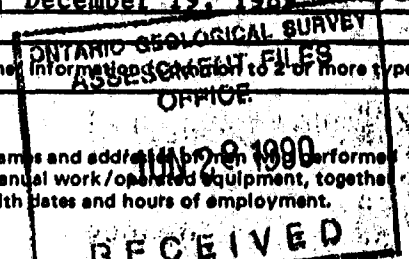
Date of Report Dec. 19/1989	Recorded Holder or Agent (Signature) <i>Robert A. Lane</i>
---------------------------------------	---

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying Rodney N. Thomas BHP-UTAH MINES LTD, Suite 900, 25 Adelaide St. E. Toronto, Ontario	
M5C 1Y2	Date Certified December 19, 1989
Certified by (Signature) <i>Robert A. Lane</i>	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (in addition to 2 or more types)	Attachments
Manual Work	Nil		Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		



Ministry of
Natural
Resources

Report
of Work

W8903-179

Instructions — Supply required data on a separate form for each type of work to be recorded (see table below).
— For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Mining Act

Assessed Library

Name and Postal Address of Recorded Holder

BHP-UTAH MINES LTD.

Stoughton Lake G2228

Prospector's Licence No.

T 793

#900 - 25 Adelaide Street, East, Toronto, Ontario M5C 1Y2

(M^s Vicar Lake G2121)

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 4736	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only)		SEE							
		APPENDED							
		LIST							
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling									
☐ Land Survey									

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JAN - 5 19

RECEIVED

All the work was performed on Mining Claim(s): KRL.846057, 886072, 886074, 868683, 902938, 902949, 902950, 911382, 902985, 902990, 902996, PA.914872, 914978, 914979, 914983

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DIAMOND DRILLING CONTRACTOR: LANGLEY DRILLING, 49 JAYFIELD RD. BRAMPTON, ONTARIO L6S 3G3

EQUIPMENT USED: JKS 300

WORK PERIOD:

DDH NO.	CLAIM NUMBER	T.D. FEET
LL89-08	868683	309'
LL89-09	902990	299'
LL89-10	902996	339'
LL89-11	902985	299'
LL89-12	902985	299'
LL89-13	902985	299'
LL89-14	902938/902949	299'
LL89-15	902949/902950	299'
ML 46	914872	529'
ML 47	914978/914979	339'
ML 48	914983	559'
ML 49	846057	209'
ML 50	886074	439'
ML 51	911382/886072	219'

2470 DAYS CREDIT ALLOCATED TO
KRL 846057 et al

2266 DAYS TO BE HELD IN RESERVE

TOTAL OF FEET - 4736'

Recorded



Date of Report
Dec. 19/1989

Recorded Holder or Agent (Signature)

Rockey N. Come

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

Rodney N. Thomas BHP-UTAH MINES LTD. Suite 900, 25 Adelaide St. E. Toronto, Ontario

Date Certified

December 19, 1989

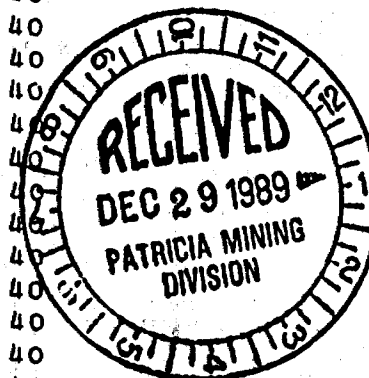
Certified by (Signature)

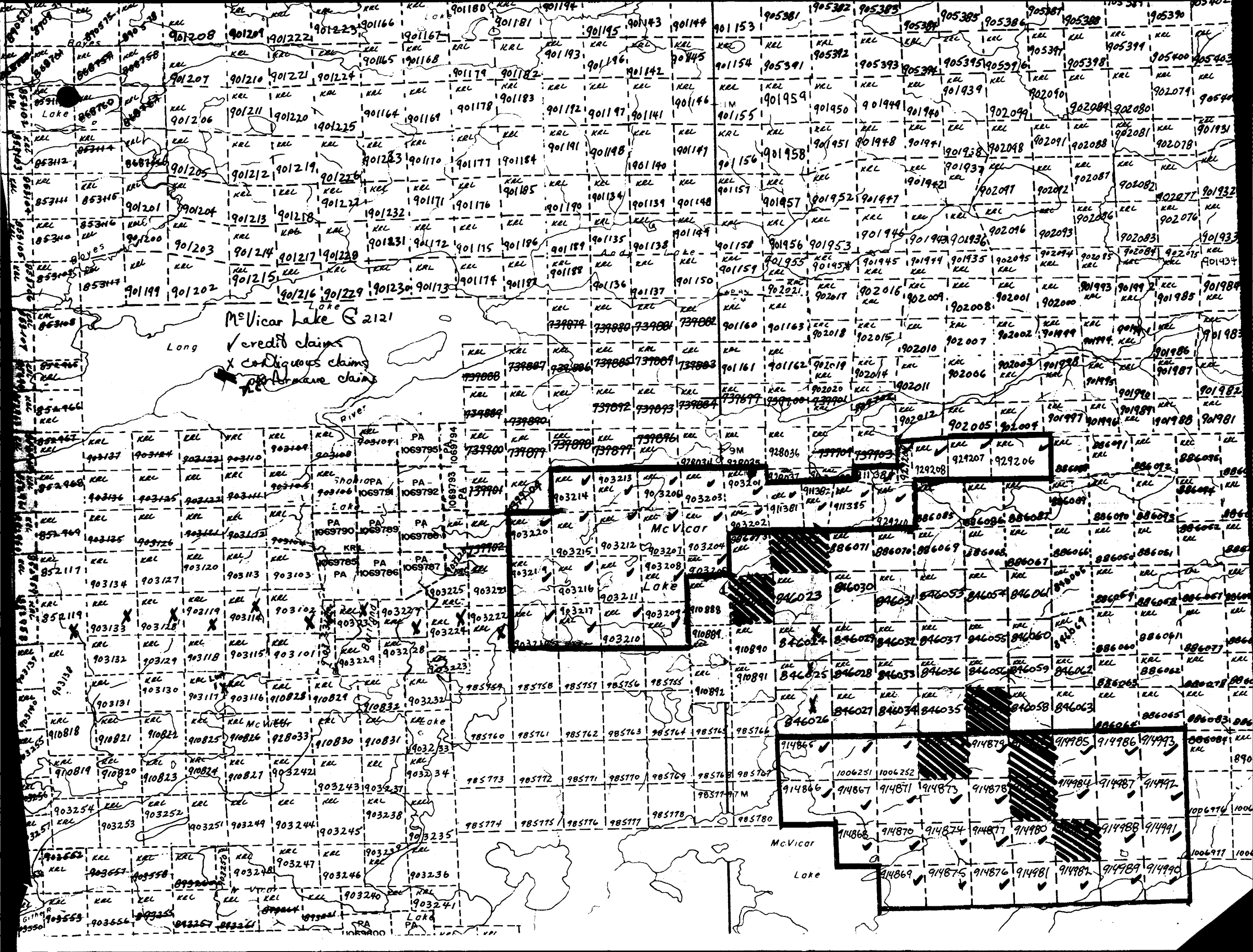
Rockey N. Come

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		

MDIV	CLAIM	RECDATE	WKFILED	WKDUE	DATE	AMT	WKDUE	ONEXT	TO	WKFILED	THIS	REPORT
PA	1006251	870720	20	890720	40	900330	40					
PA	1006252	870720	20	890720	40	900330	40					
KRL	903201	860714	60	890714	40	900330	40					
KRL	903202	860714	60	890714	40	900330	40					
KRL	903203	860714	60	890714	40	900330	40					
KRL	903204	860714	60	890714	40	900330	40					
KRL	903205	860714	60	890714	40	900330	40					
KRL	903206	860714	60	890714	40	900330	40					
KRL	903207	860714	60	890714	40	900330	40					
KRL	903208	860714	60	890714	40	900330	40					
KRL	903209	860714	60	890714	40	900330	40					
KRL	903210	860714	60	890714	40	900330	40					
KRL	903211	860714	60	890714	40	900330	40					
KRL	903212	860714	60	890714	40	900330	40					
KRL	903213	860714	60	890714	40	900330	40					
KRL	903214	860714	60	890714	40	900330	40					
KRL	903215	860714	60	890714	40	900330	40					
KRL	903216	860714	60	890714	40	900330	40					
KRL	903217	860714	60	890714	40	900330	40					
KRL	903218	860714	60	890714	40	900330	40					
KRL	903219	860714	60	890714	40	900330	40					
KRL	903220	860714	60	890714	40	900330	40					
KRL	911381	860822	60	890822	40	900430	40					
KRL	911382	860822	60	890822	40	900430	40					
KRL	911384	860822	60	890822	40	900430	40					
KRL	911385	860822	60	890822	40	900430	40					
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PA	914867	870805	20	890805	40	900330	40					
PA	914868	870805	20	890805	40	900330	40					
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PA	914870	870805	20	890805	40	900330	40					
PA	914871	870805	20	890805	40	900330	40					
PA	914872	870805	20	890805	40	900330	40					
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PA	914991	870805	20	890805	40	900330	40					
PA	914992	870805	20	890805	40	900330	40					
PA	914993	870805	20	890805	40	900330	40					
KRL	929206	860815	60	890815	40	900430	40					
KRL	929207	860815	60	890815	40	900430	40					
KRL	929208	860815	60	890815	40	900430	40					
KRL	929209	860815	60	890815	40	900430	40					
KRL	929210	860815	70	890815	30	900430	30					





McVicar Lake S 212

✓ credit claims
X contiguous claims
performance claims

Long

RIVER

McVicar

McVicar

Lake

