

Foreword:

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

Four claim groupings are covered and the two forms, "B" and "I" for each of the four, accompany this report.

The diamond drilling upon which the assessment is claimed was performed between June 15 and June 30 1974.

Department of	
Mines and Technical Resources	
ASSESSMENT REPORT	
NO. 5033	MAP.....

#1 Index map

#2 Drill hole locations

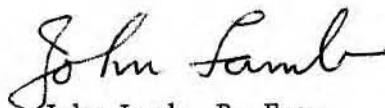
SUMMARY OF WORK

1. Four vertical holes were drilled over a length of two miles along the MacMillan Bloedel mainline haul road, Port Hardy division. The area in question is about 10 miles south of Port Hardy.
2. Size of core produced was BQ.
3. The core is all in safe storage at the Island Copper Mine, of Utah Mines Ltd.
4. Drill hole logs are included with the report. The core was logged by the people listed below, with a statement of their qualifications:
 - a) John Lamb, P. Eng - project geologist
B.A. Sc, M.A. Sc. - geological engineering
University of B.C.
 - b) P.M. Kaiway, E.I.T. - junior geologist
B.A.Sc. - geological engineering
University of B.C.
5. The pertinent data on each hole drilled is:

<u>Hole</u>	<u>Collar Elevation</u>	<u>Inclination</u>	<u>Length</u>
M-1	225'	vertical	508 ft.
M-2	230'	"	608 ft.
M-3	300'	"	401 ft.
M-4	150'	"	703 ft.

The locations of the holes are shown with reference to the appropriate mineral claims, on the map accompanying this report (scale 1 in. = 1000 ft.)

6. A key map is included, showing where the detailed claim map lies with reference to the local area.
7. An itemized statement of cost is also included with this report.


John Lamb, P. Eng.

STATEMENT OF COSTS

FOR

Diamond drilling on the Ken, Bee, Eff
and Car Groups of Mineral Claims

A. Charges by Drilling Contractor
(Connors Drilling Ltd.)

Drilling	\$21,309.54
extra charges	<u>101.00</u>
sub total	<u>21,410.54</u>

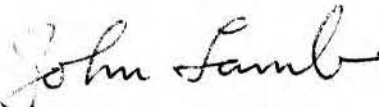
B. Utah Mines Ltd. - Costs

a) geologists for four weeks	1,300.00
labourer for four weeks	700.00
b) core trays and covers	345.00
c) site preparation	925.00
d) room and board, drill crew, 5 men at \$8.40 per man per day for 18 days	756.00
e) equipment mobilization from and to Vancouver	953.00
f) supplies and freight	150.00
g) truck operation at 25¢ per mile (300 miles)	75.00
h) Company overhead at 25% of labour charges	<u>500.00</u>
sub total	<u>5,704.00</u>

Grand total \$27,114.54

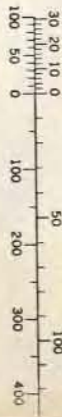
Footage drilled - 2220 feet

cost per foot drilled = $\frac{27114.54}{2220} = \12.21

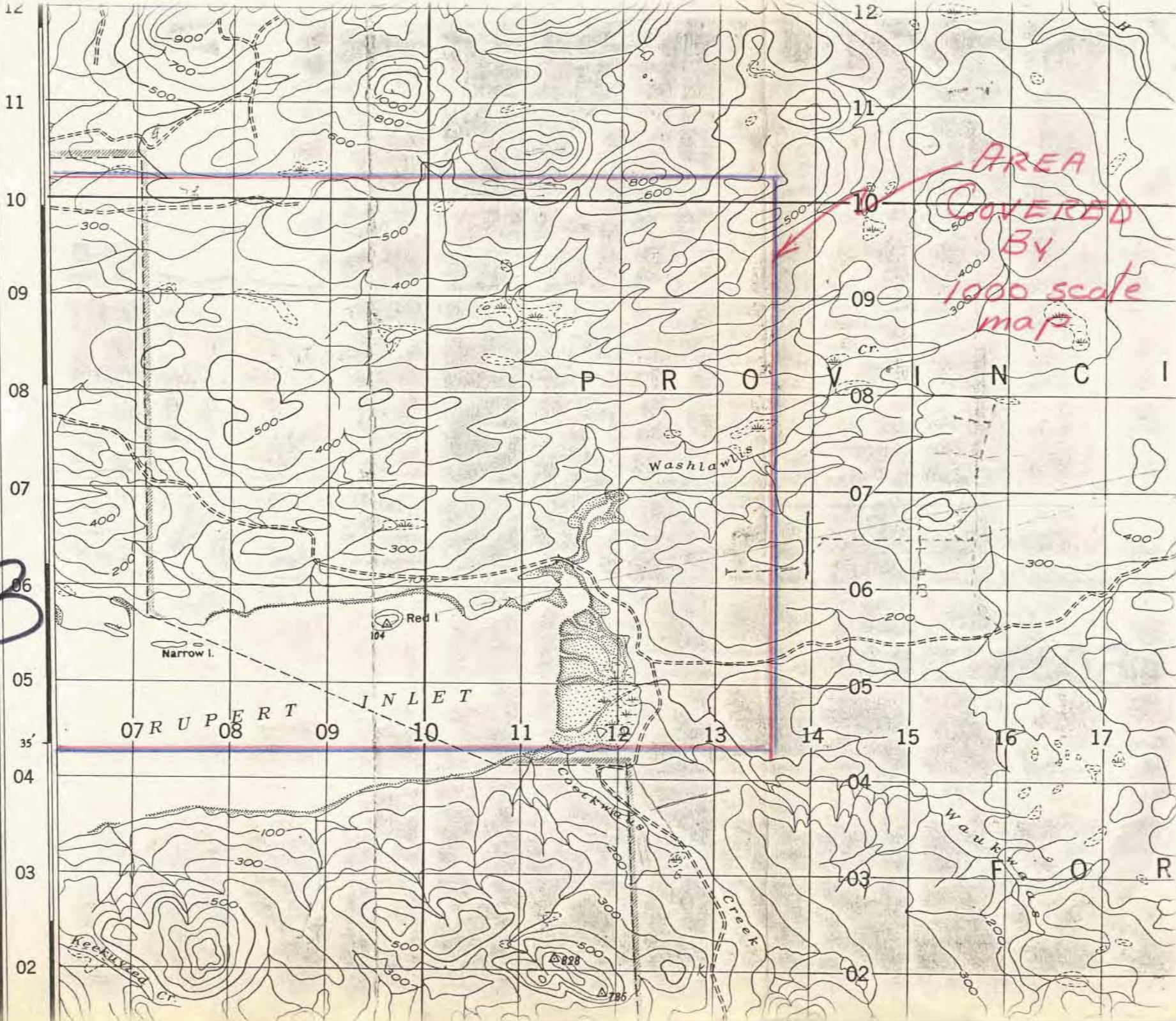

John Lamb, P. Eng.

INDEX
MAP
SHEET
924/11W
Scale
1
50000

5033
M1



CONVERSION SCA



HOLE NO. - M-1

PROJECT:

PAGE NO: 2 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60							qtz 3cm calc vns x qtz vns much mang. 11-168 Trachyandesite cont'd - see previous page						60		N/S
70							60' - qtz vns w some calc vnlets x qtz more calc vns; many mang. dendrites						70		N/S
80							75-83 qtz vns. at intervals, w. abundant mang.; some calc vnlets.						80		N/S
90							qtz vns w mang + calc. at intervals in vnlets.						92		20.10
100							soft green chlor.						90		N/S
110													100		N/S
120							shattered						110		N/S
													120		20.10

HOLE NO. M-1

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 3 OF 9

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
25							calc vug. 11-168 Trachyandesite cont'd - see previous pages						120		N/s.
30							← calc-gtz many vug. w slip. (post-vn)						130		N/s.
40							some calc-gtz vug w or staining. lens. mang. dendrites. vug lens			92			140		N/s.
50													150		20 10
60													160		N/s.
70							calc-gtz - m + j.						170		N/s.
80							168-225 Trachyandesite same as above. med grey-green, fine gr'd, fair fract density. hornblende, few pyroxene xtals < 5mm. dispersed through core						180		

HOLE NO. M-1

PROJECT:

PAGE NO: 4 OF 9

SOUNDING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
180							DESCRIPTIVE GEOLOGY								
190							168-225 Trachyandesite cont'd from previous page. Few white calc veins crossing through core across learn unit. minor amts dissen py Weakly or non-magnetic calc veining						80		
200							crumbly zone minor gouge						200		Sampled
210							veins of fragmt'l limestone in trachyandesite						210		Not
220							sharp contact 225-483 Dustino Limestone						220		
230							med grey - some whiter zones. fine dark veinlets forming network, cracked appearance through core. parts look brecciated + "re-lined". Darker frags w white frags in brecciated core. Dark carbonaceous						230		
240													240		

HOLE NO. *M-1*

PROJECT:

PAGE NO: *5* OF *9*

BASELINE COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *PMK*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
<i>240</i>							<i>225-483 Quatzing Limestone cont'd from previous page</i>						<i>240</i>		
<i>250</i>							<i>ex- white calc material giving dark gray coloration</i>						<i>250</i>		
<i>260</i>							<i>occurs pod of dissen sulphides-py</i>						<i>260</i>	<i>Sample lost</i>	
<i>270</i>							<i>vns dark carbon w white calc</i>						<i>270</i>		
<i>280</i>							<i>sasty carbon vns. some white calc</i>						<i>280</i>	<i>Not</i>	
<i>290</i>							<i>large 1-2' dark block frags.</i>						<i>290</i>		

HOLE NO. M2

PROJECT:

PAGE NO: 6 OF 10

STARTING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	ESTI-MATED
330							<p>251-340 Quatsino Limestone</p> <p>311-340 average size units to the through core</p>									
340							<p>340-351 Quatsino Ls w. volc frags embedded</p> <p>Med gray-tan, fine gr'd, low fract density calc + black c units. Ls. grdmass specc'd w small <math>2\frac{1}{2}</math> volc frags.</p>									
350							<p>351-415 Volcanic Sill - Trachyandesite</p> <p>Med to dark gray-green, coarse gr'd, low fract density</p> <p>Numerous black hornblende x'tals and white fspar phenos embedded through core. Fine white calc + biotite 2 veinlets crossing through core.</p> <p>Some epidote alt'r blotches.</p> <p>Minor nematite veining, some w calc.</p>									
360							<p>epid alt'</p>						92			
370							<p>epid alt'</p>									
380																
390																

300

HOLE NO. M2

PROJECT:

PAGE NO: 7 OF 10

GAUGING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
390								351-415 Volcanic Sill - Trachyandesite? cont'd, see previous page						390		
400							hematite veinlets epidote alt?					72				
410							light tan ls. w calc + black C. vns									
420							gray ls. Med. grey ls alternating in intervals w. grey-tan-green grdmass speckled w. mafic phenos + fspar	415-428 Gradation between Volc sill and Quatsino Ls.								
430							428-577 Quatsino Limestone Med grey, fine gr'd, fair fracture density Some pronounced bedding, others quite vague White calc and black carbonaceous veinlets throughout. Partly beds quite crumbly, sandy.									
440																
450							Low slip - post-car vns.							450		

HOLE NO. M2

PROJECT:

PAGE NO: 9 OF 10

ASSING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED	
510							↑ light grey w faint, very fine black C veinlets lined through - giving 'cracked glass' appearance									
520											95					
530																
540																
550																
560							↓ fine, minute C frags - speckled through ls.									
570																

428-577 Quatsino Limestone
cont'd, see previous page.

HOLE NO. *M 3*PROJECT: *M & B Mainline*PAGE NO: *1* OFCASING COLLAR ELEV.: *300*

GROUND ELEV.:

DATE STARTED: *23 June 1974*

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED: *26 June 1974*SCALE: *1 = 10'*

INCLINATION:

BEARING:

TOTAL DEPTH: *401 FT*LOGGED BY: *PK JF*

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
0							0-12 Overburden								
10															<i>Assn 1</i>
20							12-53 Quatsino Limestone Med grey, fine grd, low fract density Dark grey Carbonaceous frags + vales with white calc vales + frags. Frags appear brecciated + re-lithified w. calc.						20		<.2 .04 .001
30															
40															
50													50		
							53-149 Volcanics - Kermutsan see next page								.05 .001
													100		

HOLE NO. **M3**

PROJECT:

PAGE NO: **2** OF

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	DESCRIPTIVE GEOLOGY															
60																
70							53 - 149 Kermutzen Volcanics Dark grey green, med gr'd, low fract density. Small dark mafic mins, some green alt'd calcitic frags + white fspars. in dark grdmass Fine calc inlets. Non-magnetic From 95' epid uns + frags. occur. From 106 - 133 minor amt of hematite in uns. - no-uns. fused through grdmass. alt frags - subrounded, clusters. alt. zoning zone quite chlorite - green alt?					88				
80																
90																
100							epid. calc uns.									
110							remnant uns. bitnes.									
120							epid frags, many spots									

< 2

035
001

HOLE NO. M3

PROJECT:

PAGE NO: 3 OF

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED	
120							53-149 Karmutsen Volcanics Chloritic grdmass, spots of dark matrix Epid + calc frags, hematite stain. Fine calc inlets across. Non magnetic									
130																
140																
150							149 - KARMUTSEN VOLCANICS (INTERLAYERED BASALT, AMYGDALOIDAL BASALT/LANESITE, DIORITE) <u>COLOR</u> - DARK BROWN-GREY, GREENISH-GREY, APPLE GREEN <u>HARDNESS</u> - AVERAGES 34 LOCAL LESS ON CALICINE VEIN <u>COMPOSITION</u> - QUARTZ - < 10%, FELDSPAR (PLAGIOCLASE) > 50% MAGNES > 40 (TERRIBLENITE, BIOTITE, EPIDOTE, CHLORITE) <u>TEXTURE</u> - DARK BROWN-BLACK MG, XAL WITH LATHS OF PLAGIOCLASE UP TO 4-5 MM AND SPOTS OF MAGNES UP TO 2 MM IN FG. MAGNES AND CALICINE REPLED / FINE FRACTURES LACING ROCK LIGHT GREY BROWN FINE-GRANULAR MASSES WITH SPOTTY TEXTURE OF CALICINE - EPIDOTE - CHLORITE SILICA, ROUND - CUSPATE FRAGMENTS UP TO 1 CM IN DIA, UP TO 10% OF ROCK COMP SECTIONS OF RED-BROWN ALTERATION OF MG-FG MATRIX									
160																
170																
180																

ABSD. FRACTURE
FILLER
MAGNES

COARSE
MAGNES
FILLER
REPLED

HOLE NO. M 3

PROJECT:

PAGE NO. 4 OF

664186 COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION: 90°

BEARING:

TOTAL DEPTH:

LOGGED BY: J.F.

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	
160							<p>LIGHT SANDY BROWNISH GREY MG. MASSIVE, FINEST TEXTURE FROM FINEST GRAIN. INTERSTITIAL SPACES FILLING WITH OXIDE.</p>									
170							<p><u>STRUCTURE:</u> NO LAMINATE APPARENT; FINEST FRACTURING - TWO PROMINENT SETS (1) 245° (2) 20-30° WITH OTHER SCATTERED FRACTURING. FINE SLIPS IN ALL DIRECTIONS. DEVELOPMENT OF NON-CRYSTALLINE (Mg/Al) & Fe ALONG CLEFTS IN SET 1 & 2.</p>									
200							<p><u>ALTERATION:</u> LOCALIZED INTENSE EPICENTRALIZATION OF BROWN/AMMONIUM MASS WITH EPICENTRALIZATION OF FRACTURE ZONE AND FRACTURES. MAIN TENDENCY TO FRACTURE.</p>									
210							<p><u>149-181 BASALT</u> - MG, SLATE TO SEMI-CRYSTALLINE. CHROMITE SPINES, BROWN-RED BLOBS AND PINNACLES. BROWN-RED BROWN-RED. LACED WITH SPINEL. FINEST FRACTURING. LOWER LEVELS WITH LAYER OF BROWN-RED. FINEST UP TO 200 FT. EPICENTRALIZATION. CASE & FINE FRACTURE, FRACTURE WITH PROLONGED FRACTURE. = 1.0M</p>									
220							<p><u>210-215</u> <u>AMPHIBOLITE</u> - BROWN-RED - LIGHT GREEN-GREY. MASSIVE GENERAL F.G. AMPHIBOLITE. LOCAL INTENSE EPICENTRALIZATION OF BROWN, LEAD SULPHIDE ZONE. FRACTURE. FINEST FRACTURING. = 1.0M</p>									
230																
240																

INCLINATION EPICENTRALIZATION 210-215 FT

Δ OVER 1.0M WITH MINOR CHANGE - 609 54 1P

HOLE NO. **M3**

PROJECT:

PAGE NO: **2** OF

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				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																
70							53 - 149 Kermutzen Volcanics Dark grey green, med grid, low fract density. Small dark mafic mins, some green alt'd calcitic frags + white fspars. in dark grdmass Fine calc inlets. Non-magnetic From 95' epid uns + frags. occur. From 106 - 133 minor amt of hematite in uns. - no-uns. fused through grdmass. alt frags - subrounded, clusters. alt'ed sandy zone quite chlorite - green alt?					88				
80																
90																
100							epid - calc uns.									
110							remnants uns. bitones.									
120							epid frags, many spots									

< .2

035
001

HOLE NO. M3

PROJECT:

PAGE NO: 3 OF

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED				
120							53-149 Karmutsen Volcanics Chloritic grdmass, spots of dark matrix Epid + calc frags, hematite stain. Fine calc inlets across. Non magnetic												
130																			
140																			
150							149 - KARMUTSEN VOLCANICS (INTERLAYERED BASALT, AMYGDALOIDAL BASALT/LANESITE, DIORITE) COLOR - DARK BROWN-GREY, GREENISH-GREY, APPLE GREEN TEXTURE - AVERAGES 34 LOCAL LESS OR MORE VEIN COMPOSITION - QUARTZ - < 10%, FELDSPAR (PLAGIOCLASE) > 50% MATRIX > 40 (TRIPHONITE, BIOTITE, EPIDOTE, CHLORITE) TEXTURE - DARK BROWN-BLACK MG, XAL WITH LATHS OF PLAGIOCLASE UP TO 4-5 MM AND SPOTS OF MATRIX UP TO 2 MM IN FG. MANY ADD CALCITE VESICLES / FINE FRACTURES LACING ROCK LIGHT GREY BROWN FINEGRAINED MATRIX CONSISTS WITH SPOTTY TEXTURE OF CALCITE - EPIDOTE - CHLORITE SILICA, ROUND - CUSPATE FRAGMENTS UP TO 1 CM IN DIA, UP TO 10% OF ROCK COMP. SECTIONS OF RED-BROWN ALTERATION OF MG-FG MATRIX												
160																			
170																			
180																			

ABSD. FRACTURE
FILLER
MATRIX

COARSE
MATRIX OF
FIELD
SPHERULES

HOLE NO. **m3**

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION: **90°**

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: **5** OF

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: **J.A.F.**

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
240															
250							<p>215-220 Mg rich mafic igneous <u>DIORITE</u> IN CONTACT WITH REACTED BASALT - WITH SUBORDINATE AMPHIBOLITISM BASALT - FINE - E. HIGH SILICA - HIGH SILICA WITH HORN @ 24"</p>								
250							<p>220-225 <u>BASALT</u> - Mg rich BROWN HORN TO FA SMAS - <u>SARANIC TEXTURE</u></p>								
250							<p>225-230 <u>AMPHIBOLITIC BASALT</u> - HORN - SILEX SIMILAR TO HORNBLAND SECTION - MINOR HORN MINOR HORN - EPIDOTE IN EPIDOTIC LAINES</p>								
250							<p>230-257 <u>BASALT</u> - Mg, DARK GRAY - BROWN SMAS, GREEN LOW REACTED CALCITIC HORN - HORN MINOR HORN WITH SOULS AND AT 253' & 257' SILICA HORN - 2' HORN</p>								
270							<p>257-312 <u>AMPHIBOLITIC BASALT</u> - HORN - SILEX COLOR CHANGE FROM DARKER GRAY TO DARKER GRAY DEVELOPING ON 2' OF SPINES HORN - HORN - EPIDOTE + OLIVE - 2' HORN HORN (QTZ PLUGS TO SPINES) AND SUB-PLAGIOCLASE FRAG. ON SPINES (COLLECTION OF HORN) LOCAL INTENSE SPINELIN ON SPINES (258-264 WITH HORN; 270-272 WITH SILICA - HORN - 306-312) LOW FRACTURE DENSITY THROUGHOUT</p>								
270							<p>312-318 <u>DIORITE (?)</u> - Mg ALKALIC CALCITIC MARBLE SPINELIN 2mm, 1000 x 1000 - 2' HORN - HORN FELD HORN - 2' HORN - HORN - HORN HORN - HORN - HORN - HORN HORN - HORN - HORN - HORN</p>								

2' HORN - HORN - HORN - HORN

HOLE NO. m3

PROJECT:

PAGE NO: 6 OF

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION: 70°

BEARING:

TOTAL DEPTH:

LOGGED BY:

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		
							<p>318-341 <u>Amygdaloidal Basalt</u> Amygdaloidal basalt with many calcite & epidote, pyrite & magnetite. Some calcite & epidote in fractures. Some calcite & epidote in matrix. Some calcite & epidote in veins.</p>										
							<p>341-355 <u>Amygdaloidal Basalt</u> Dark grey-brown basalt with many calcite & epidote. Distinct amygdaloidal structure. Calcite & epidote in fractures. Calcite & epidote in matrix. Calcite & epidote in veins. Scattered hairlike calcite along fractures. Some calcite & epidote in veins. Some calcite & epidote in matrix. Some calcite & epidote in veins.</p>										

OVER

HOLE NO. *M-4*

PROJECT:

PAGE NO: *3* OF *12*

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
120							<i>92-171 See p 2 limey striped argillite</i>			<i>70</i>					
130							<i>beddy @ 40</i>								
140											<i>92</i>				
150															
160															
170							<i>beddy @ 60°</i>								
180							<i>171-236 - Black t.b. argillite, quite limey w thin interbeds gray limey chert some white calc stringers. Beddy @ 45° to core</i>			<i>171</i>				<i>85</i>	

HOLE NO. *M.4*

PROJECT:

PAGE NO: *4* OF *12*

STARTING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
180																
190							<i>soft block crumble fault</i>									
200																
210							<i>numerous slips</i>									
220																
230							<i>shearing</i>									
240																
250																
260																
270																
280																
290																
300																
310																
320																
330																
340																
350																
360																
370																
380																
390																
400																
410																
420																
430																
440																
450																
460																
470																
480																
490																
500																
510																
520																
530																
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740																
750																
760																
770																
780																
790																
800																
810																
820																
830																
840																
850																
860																
870																
880																
890																
900																
910																
920																
930																
940																
950																
960																
970																
980																
990																
1000																

171-236 See p 4

*soft
block
crumble
fault*

*numerous
slips*

shearing

85

236

HOLE NO. *M-4*

PROJECT:

PAGE NO: *6* OF *12*

664MS COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *JL*

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	
300							278-450									
310																
320																
330																
340																
350																

278-450 See p 5

91

HOLE NO. *M-4*

PROJECT:

PAGE NO: *8* OF *12*

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

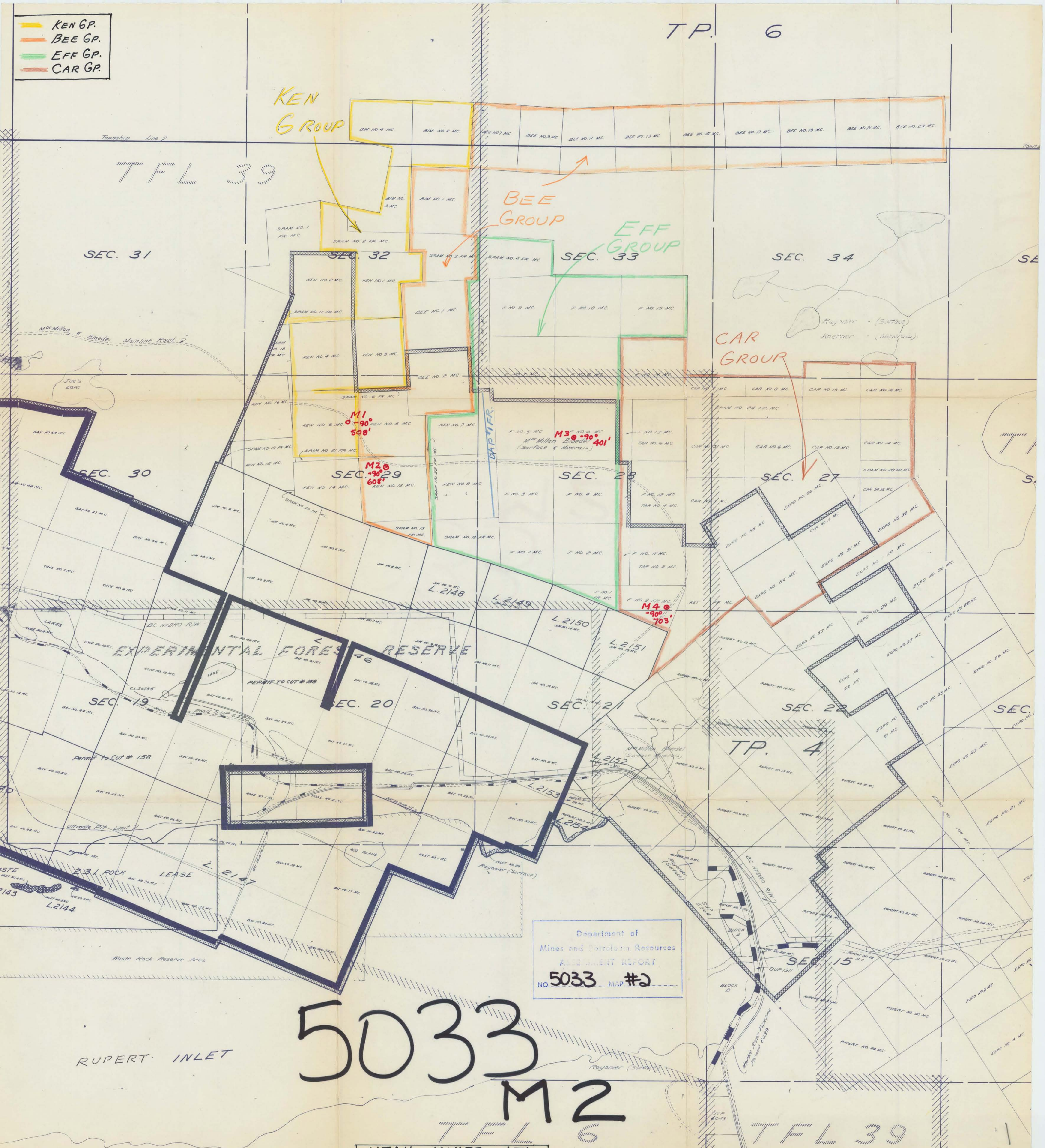
TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
420							<i>278-450 See p 8</i>								
430															
440							<i>calc., white w breccia frags. of arg.</i>				<i>91</i>				
450							<i>450</i>				<i>450</i>				
460							<i>450 - 513 - limey grey-green f. gr tuffaceous rock w fine fragments Scott'd white ^{silic.} limey amygdules up to 1/4". Amygs make it look more like a flow. Many streaks white calc. Some pyr. on frags.</i>				<i>95</i>				
470															
480											<i>480</i>				

- █ KEN GP.
- █ BEE GP.
- █ EFF GP.
- █ CAR GP.

TP. 6



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5033 MAP #2

5033
M2

UTAH MINES LTD
NANAIMO MD. - PORT HARDY
Showing locations of diamond drill
holes M1, M2, M3, M4

Scale
1 IN = 1000 FT.

To accompany
assessment report
by J. Lamb July 1974