

012564

PROPERTY FILE

926158-07

5102

DIAMOND DRILL HOLE LOGS



HOLE NO. R-1

BUSHING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 2 OF 10

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
00							minor epid.	97-160	Fragmental Andesite with clay Altered Rns:				100		
10							clay alt <sup>n</sup> calc vns, py vns		Med grey green, fine gr'd, mod. fracture density. Darker andesitic frags, some chloritic frags. Calc + minor laum veining. Some silic zones + qtz vns.				110		
							grey-green. fine calc vns.	97-110:	clay alt <sup>n</sup> , green chlor + white calc. minor orange laum. grey-black 'beds' occasional.				120		<.2
							silic-calc.-laum	119-121:	Silic run w. chlor, calc, laum. in med. grey silic grdmass; py vns.						
130							chlor alt <sup>n</sup>	124-126:	chlor. alt <sup>n</sup> , w. calc, laum + qtz inlets				130		
140							5' silic run 5' pale green chlor alt <sup>n</sup>	136-138:	1/8" mag. spots in andes. delineated ~ 70° to core 1/4"				140		<.2
150								144-146:	altered, soft gm. chlor, calc, minor laum + qtz. mod. mag.				150		
160							calc vns. small 1" gouge slip						160		<.2

HOLE NO. R-1

BASELINE COLLAR ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 3 OF 10

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY SAMP INT.	ESTI-MATED
160							reddish br min in gn alt'd andes. (Chematite?) 160-220 slightly silic; alt'd fragmt'l Andesite						160		
70							silicif. andes. w. calc-lauum vns. 166-168-qtz run Grey-green, med gr'd, calc + laum veining through chloritic andesite. some silicification + one Magnetite frags - mod to strongly mag.			85			170		
80							10' rubble, lost core						180		<.2
90							much calc-lauum, qtz + dusty blk vns. in alt'd green andes.			25			190		<.2
200							silic w. calc, laum, chlor.			85			200		
210							epid, chlor. veinlets epid pod. in alt'd silic andes w calc, chlor, laum.						210		<.2
220							very shattered.						220		

NO. E NO. **R-1**  
 COLLAR ELEV.:  
 COORDINATES:  
 INCLINATION:

GROUND ELEV.:  
 N. E.  
 BEARING:

PROJECT:  
 DATE STARTED:  
 DATE FINISHED:  
 TOTAL DEPTH:

PAGE NO: **4** OF **10**  
 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	
20							220- 262 Slightly siliceous fragmt'l andesite Dark grey-green, fine gr'd, highly fract'd. shattered zone more silicific. + calc. Silicificath through andes. minute frags seen, some v. larger 1/4 to 1/2" ghosts. Occas. fine calc. vnlets. Some alt'd runs of green chlor, calc + some mag. pervas. qtz, silicificath. Strongly magnetic, slight br. bio. coloration Dissem + vned py. Some epidote in slips; minor hematite				30		220			
30													230			
													240		<.2	
													250			
50							hematite slip									
							hematite slip							260	<.2	
70							262- 306 Andesite becomes lighter grey to salt + pepper; grey-white-gn.w. orange alt? Some orange porphyry appears 271-275. Orange zones are quite silic hematite in qtz vn. Calc, qtz, mag + mang. vnlets. Some hematite orange alt? Some porphyry							270		
							275- 282 'peppered' zone w. gn. chlor white silica + grey mafics in minute particles, calc, vns "salt + pepper" appear, qtz runs.							280		<.2

HOLE NO. R-1

GASSING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 5 OF 10

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
330							262-306 cont'd from previous page						280		
						highly silicified	282 to 287 chloritic alt? in salt pepper andes. qtz vns, orange alt, calc + minor laum. Some dark red-blk vns. - pyrolucite? or hematite.						290		
						andes, magnetite calc vns	291-294 and 296-306 highly silic (~90% qtz) w. orange alt, some calc vns, minor hematite +/- pyrolucite veins + disseminations. minor magnetite py. vns.				85		300		<.2
						highly silic									
310						orange silica salt + pepper'	306-386 similar to above						310		<.2
						slightly darker salt + pepper'	Highly siliceous med grey to orange with few grey-green-white speckled vns. Salt + pepper appearance. ~95% qtz - fsp + grdmass w. minute mafic phenos. Some calc + qtz vns. minor magnetite spots, more dark blk-red mineral - pyrolucite? low fract. density, very fine gr'd. Some hint of orange porphyry						320		<.2
						pale or weak vns + speckled w. pyrolucite?	Finely dissem py, little or no cpy.				98		330		<.2
						mottled orange-cream-grey.							340		<.2





HOLE NO. R1

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES:

N.

E.

INCLINATION:

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 7 OF 10

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY SAMP. INT.	ESTI-MATED	
																DESCRIPTIVE
400							386-410 see previous page porphyritic intervals in dark andesite						400		<.2	
410							alt'd zone soft, dark gouge	410-415	soft gouge zone.	dark grey green w w. calc + chlor. alt?				410		<.2
420							415-465 Dark grey-green, fine gr'd, highly fractured. Much calc + orange laum veining. Green chloritic alt <sup>n</sup> abundant Some qtz veining + silicification Weak to mod. magnetism. Minor hematite in slips Finely dissemin py. little or no cpy							420		<.2
430							silicificat <sup>n</sup> w. chlor. alt <sup>n</sup> , calc, laum vns.							430		<.2
440							very shattered.							440		<.2
450							calc vns.							450		<.2
460														460		<.2

HOLE NO. R1

BARNS COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 8 OF 10

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
160							415-465 see previous page							460		
170						laum-calc.	465-604 Fragmental Andesite dark grey-green w. vague brown bio. alth occasional. fine gr'd, highly shattered. Small chloritic frags. Abundant calc and laum veining Dissem + veins py. Occas. cpy. Mod. to strong magnetism - in frags. Some silic runs. w. calc + laum vns.							470		
180														480		4.2
190						silic	495- increasing laum. veinlets				92			190		
200														500		
210						cpy veinlet.								510		
220						chloritic much laum veining								520		4.2

HOLE NO. R 1

SABMS COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 9 OF 10

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
520							465-504 Fragmental Andesite see previous page laced w. laum + calc vns. green chloritic alt. occas. dissem cpy + moly						520		
530							orange-alt. → porphyritic 1/2'						530		
540													540		
550							chlor alt → muddy 1' w qtz. much orange laum veining				92		550		4.2
560													560		
570							calc-laum vns in dark grey-green andes.						570		
580							minor cpy, moly.						580		4.2



HOLE NO. **R 3**  
 B&B COLLAR ELEV.: **1057.0'** GROUND ELEV.:  
 COORDINATES: **2279.0 N. 44549.8 E.**  
 INCLINATION: **-90°** BEARING: **-**

PROJECT: **Rupert Inlet**  
 DATE STARTED: **13 July 1974**  
 DATE FINISHED: **16 July 1974**  
 TOTAL DEPTH: **501'**

PAGE NO: **1** OF **9**  
 REF. TO CLAIM CORNER:  
 SCALE: **1" = 10'**  
 LOGGED BY: **PMK + JL**

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
0							0-31 Overburden.					80			
10							31-75 Fragmental Tuff. Dark grey w. bleached lighter grey runs. Fine gr'd, well shattered. Occas. hairline calc. veinlet in tuff. Bleached or slightly alt'd zone from 51 to 60 and 65 to 67 contain abundant calc veining. Dissem py, few veinlets. Few lighter green amygduloidal chlorites in darkest tuff; epidote veinlets. 58 to 60 - med grey, silic. slight porphyritic appearance - fspart + qtz phenos; some chlor.					80	40		<.2
50							chlor. amygd., epid veinlets in dark grey tuff.								
10							slightly alt'd, calc vns silic - porphyritic appear. Shattered.								
70							calc, alt?								
80							Well fract'd								
80							75-97 Orange Porphyry see next disc.						80		<.2

HOLE NO. R3

GROUND COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 2 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
0																
0							<p>↑ grey silic grdmass</p> <p>↓ orange alt<sup>n</sup> of grdmass, many mafic phenos.</p>	<p>75-97 Quartz Feldspar Porphyry</p> <p>Alternating grey or orange groundmass containing orange, creme fspar, grey qtz + occas. green chlor phenos. Med gr'd, well fract'd. Few hairline calc veinlets. Dissem py.</p>								
0							<p>large frags. andes.</p>	<p>97-108 Qtz Fspar Porphyry.</p> <p>Same as above. Orange fspar, grey qtz phenos in grey matrix. Occas. large (&gt; 1/2") andes. frag. Few calc vns.</p>						100		<.2
10							<p>shattered.</p> <p>calc-py. vns.</p>	<p>108-190 Fragmental Andesite</p> <p>Med grey-green, fine gr'd, well fractured. Calc veining throughout, Epidote spots + veinlets. occasional. minute qtz phenos. numerous. + occas. qtz unlet. Frags - sub angular, up to 1/2" size abundant, Weakly magnetic Dissem py</p>						110		
30							<p>bleached 4" calc-qtz.</p> <p>minor epid.</p>							130		<.2
40							<p>minute qtz phenos.</p>							140		



HOLE NO. **R-3**

PROJECT:

PAGE NO: **4** 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: **J.L**

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	ESTI- MATED
0							190 - 300 (cont'd)			260					
10							fragments range from specks to $\frac{1}{2}$ inch. Blacker sections markedly mag'tc. Faults & slips where noted. Core inclined to be shattered in last 30'								
20															
30							calc. slips								
40															
50							shearing vuggy								
60															
70															
80															
90															
100															

86

260



HOLE NO. *R-3*

BARREL COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: *5* OF *9*

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: *J.L*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	ESTI-MATED
60							<i>190 - 300 sec p 4 &amp; 5</i>			<i>260</i>					
70							<i>weak fH</i>								
80							<i>6" slip w green ser.</i>				<i>86</i>				
90							<i>} fault.</i>								
100							<i>300 - 402 - As above med to dark gray to blackish fgtl tuff. A little epidote alt'n. Bleaching on or close to fracs. Many fine calc. veinlets. Fair py throughout w occ specks cpy. Darker runs contain much mag. Frags both white &amp; black</i>			<i>300</i>					
110							<i>slip</i>				<i>87</i>				
120							<i>fault</i>								
										<i>320</i>					

HOLE NO. *R-3*

BARING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: *6* OF *9*

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: *J.L*

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
20							<i>300 - 402 - Secp5.</i>			<i>320</i>					
30							<i>fault</i>								
50															
70															
80															
90															
100															
110															
120															
130															
140															
150															
160															
170															
180															
190															
200															
210															
220															
230															
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															
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770															
780															
790															
800															
810															
820															
830															
840															
850															
860															
870															
880															
890															
900															
910															
920															
930															
940															
950															
960															
970															
980															
990															
1000															

380

HOLE NO. *R-3*

BASSING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: *7* OF *9*

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: *J.L + 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
30							<i>slip</i> <u>300 - 402</u> See p 5.			<i>350</i>					
40											<i>87</i>		<i>400</i>		
50										<i>402</i>					
75							<i>402 - 501 Fragmental Tuff</i> <i>Dark grey, fine grained, highly fractured.</i> <i>dark sub angular frags. - very small to</i> <i>1/2". Runs with many calc and laum</i> <i>veins.</i> <i>Occasional alt'd, clay-gouge section or</i> <i>fracture, some w. chloritic alt'.</i> <i>Minor amts. epidote on slips</i> <i>Much pervasive magnetite - mod. to</i> <i>strong magnetism throughout</i> <i>Dissem py. little or no cpy.</i>						<i>410</i>		<i>&lt;.2</i>
20						<i>epid, soft alt'n</i> <i>small slips, calc-</i> <i>laum vns.</i>  <i>frags</i>  <i>very</i> <i>shattered.</i>					<i>88</i>		<i>430</i>		
30													<i>460</i>		<i>&lt;.2</i>
40													<i>460</i>		

HOLE NO. R3

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 8 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
40							402-501 Frgmental Tuff see previous page								
50							484-501 Very crumbly, well alt'd, laced w calc vnlets. last 3 ft are red-brown instead of grey, crumbly, w. many calc vnlets.				88		460		<.2
60							bleaching 3" epid						470		
70							alt'd, soft crumbly calc. lsum.								
80							much alt'n crumbly, calc. abundant, epy speck.								
90							alt'n - crumbly, calc.								<.2
100							reddish-brown, crumbly, w. calc vn's.						500		



HOLE NO. R 4  
 BASING COLLAR ELEV. 1032.3 GROUND ELEV.  
 COORDINATES: 1035.5' N. 42534.3' E  
 INCLINATION: -90° BEARING: -

PROJECT: Rupert Inlet  
 DATE STARTED: 16 July 1974  
 DATE FINISHED: 20 July 1974  
 TOTAL DEPTH: 603'

PAGE NO: 1 OF 10  
 REF. TO CLAIM CORNER:  
 SCALE: 1" = 10'  
 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		
																DESCRIPTIVE GEOLOGY	
0-22							Overburden					BQ					
22-90							Fragmental Andesite Red-brown-grey, fine gr'd, well fractured. Occasional thick calc vn. Small dark frags throughout. Some alt'd fspars. and grey silic bleaching zones. Grey alt'n often mymekitic through andesite gr'dmass. Red-brown - almost purplish hue due to very finely dissem. hematite? Appears throughout core. Abundant py. disseminations + veinlets. Little or no cpy. occas. magnetic frag. generally weakly magnetic.					92					
							all'd fspars w. calc. vn. bleached grey, minor silica calc vn w. chlor slip. very fine gr'd, blk. tuff. calc vns in reddish-purple alt'd andes.						30		4.2		
													40				
													60		4.2		
													70				

HOLE NO. R.4

SASING COLLAR ELEV. GROUND ELEV.

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 2 OF 10

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PMK

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY SAMP. INT.	ESTI-MATED
70							py blebs reddish-purple hematite? masking	22-90 Fragmental Andesite cont'd, see previous page talc-pyrophyllite? - clay min. alt <sup>n</sup> frags in reddish-purple hematite								
0							hematite stained py veinlets.							96		
0							py-clay mins. in small slips.	90-118 Alt'd Frsgmt'l Andesite med grey, med. gr'd, well fractured. clay alt <sup>n</sup> , occas. pyrophyllite frag. Some white, crumbly alt <sup>n</sup> clay mins. Occas. calc + laum unlet. Small andes-chlor. frags in less alt'd zone.				88		100		<.2
0							calc py unlets.	py unlets + disseminations abundant								
20							miner alt <sup>n</sup>	118-244 Hematite-stained Frsgmt'l Andesite Fine gr'd, purplish-red-grey colour, moderately fractured. Spotted with py d some py veinlets throughout						120		
20														130		

MOLE NO. R 4

BASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

N.

BEARING:

GROUND ELEV.:

E.

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 3 OF 10

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	
																DESCRIPTIVE
30							qtz-andes phenos. 118-244 Hematite Stained Fragmental Andesite cont'd from previous page									
50							shattered zones of greengray andes. sub rounded frags, grey clay alt'd mins + occas. pyrophyllite, minor silic frags. in purplish-red hematite stained grdmass. pyrite throughout. Some calc vns.			88			150			
70							(>1" frags) fragmt'l chlor. in purple grdmass. chlor-py. Weakly magnetic frags occasional.						160		<.2	
90							hematite spots. w. chlor frags. calc vns.									
10							mimetic andes. frag. in grey alt' min. frag. in purplish grdmass. frags w. dissem py.						180			
30							186-196 remanent mimetic chlor. andes. in grey frags in grdmass						190		<.2	



HOLE NO. R 4

BASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 4 OF 10

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
0							11B-244 Hematite Stained Fragmental Andesite cont'd, see previous page								
50							increasing green mimetic chloritic andes. in purplish grdmass. much py in blebs & vnlets throughout.						210		
							minor lum-calc., bedding chlor-andes w grdmass.								
							minute andes phenos in light + dark purple 'vague' beds shows some lineation.				92				<.2
25							dark, magnetic frags.						220		
							spotted-frags andes. in calc vned - grdmass, py.								
							calc-py vn - qtz.								
							frags. green chlor-andes. minor silica w. magnetite						240		
50													280		<.2

HOLE NO. R 4

SABBING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 5 of 10

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	
50							244 - 268 Frsgmt'l Andesite Med grey green, very fine gr'd, fair fracturing. Fine magnetite veinlets + some peruss mag. Calc + laum veining infrequent. py veinlets + disseminations. med grey, bleached.									
10							268 - 320 Slightly alt'd frsgmt'l andesite - grey brown alt'd grdmass with green chloritic frags. - many large subrounded frags. up to 1". minor epid Orange laum + calc. vns. in runs. Alt <sup>n</sup> stronger in runs - chlor, calc, dark grey andes. veined together. Some black magnetic andes. frags. py veinlets + disseminations occasional cpy.							270		<.2
20							calc vns w py, dark alt'd andes. chloritic vns. calc-laum vuggy. 6"				92			280		
30														300		
40							magnet. frags.									<.2
0														310		

HOLE NO. R4  
 CASING COLLAR ELEV.:  
 COORDINATES:  
 INCLINATION:

GROUND ELEV.:  
 N. E.  
 BEARING:

PROJECT:  
 DATE STARTED:  
 DATE FINISHED:  
 TOTAL DEPTH:

PAGE NO: 6 OF 10  
 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
10							268-320 Slightly Alt'd Fragmt'l Andesite see previous page								
20							320-365 Chloritic, alt'd fragmt'l Andesite Well alt'd, light to med grey-green. much orange laum veining and white calc. some vuggy clay alt'd patches, minor amts silicification Occas. epid bleb. Abundant py - dissem + vns. Occas. cpy showing								
30							peruas. mag. 2"qtz br								
40							good cpy laum-py vns. minor epid.						330		4.2
50							light grey-green laum-calc vns. minor epid., vuggy-sericitg						340		
60															
70															
80															
90															
100							365-377 dark grey, fragmt'l andes. small green chlor. phenoc minor epid.						360		
110													370		4.2

HOLE NO. R 4

PROJECT:

PAGE NO: 7 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PMK

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
70							365-377 vlets. Scattered disseminated py.; occas. calc vlet								
35						waggy	377-435 Alt'd Fragmental Andesite med grey-green with abundant org. calc + laum, veined throughout. Green chloritic frags.								
15						epid laum abundant. epid pods.	Grey-brown alt'd grd mass in runs with more laum-calc-py-blk andes. veining. Some well alt'd chlor. w. vuggy texture. Some silicificat. and qtz vlets.			92			390		< 2
05						epid envelope	Abundant pyrite. minor cpy						400		
10						epid vlets.									
20						silicif of grd mass									
25						laum-calc. vns.							420		
0													430		

HOLE NO. R4

PROJECT:

PAGE NO: 8 OF 10

BASING 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
30							chlor-calc-lauum altd. 377-435 see previous page.								
40							chlor alt? unlets+ slips w. calc, laum. dark grey, with green chloritic frags (<1/8" size) spotted throughout. some alt <sup>n</sup> - light green chlor-epid unlets. Intense orange laum+ calcite veining, often w. dark veins of st'd andes. + med grey altd matrix. much orange laum veining phenos chlor, qtz				88		450		<.2
60							458-603 Altered Fragmental Andesite med. grey-green w. purplish hue, med grained, well fractured. Green chlorite alt <sup>n</sup> , pervasive and in frags. Calc veining frequent, some w. alt <sup>n</sup> in slips. Gray-purple colour-due to fine gr'd hematite stain? Clay alt <sup>n</sup> - pyrophyllite frags? - soft, containing chlor. frags, dissem py + py unlets.						460		
70							highly shattered. pyrophyllite alt <sup>n</sup> ?						480		
90							slightly silic						490		<.2

HOLE NO. R 4

SOUNDING COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: 9 OF 10

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
190								458-603 Altered Fragmental Andesite								
							silic vn.	purple-grey-alt'd soft grdmass w. green chlor frags. Some silic runs + vns. Calc veining throughout but not abundant.								
							grdmass becoming silicified	Dissem py.						510		<.2
							gtz vn.	500+ silicified grdmass, less alt'd.						520		
							clay alt <sup>n</sup> min. in frags + vns.							540		
50							calc vns.							550		<.2



HOLE NO. **R-5**  
 CASING COLLAR ELEV.: **1015.8** GROUND ELEV.:  
 COORDINATES: **1005 N. 40563 E.**  
 INCLINATION: **-90°** BEARING: **-**

PROJECT: **Rupert Inlet**  
 DATE STARTED: **20 July '74**  
 DATE FINISHED: **26 July '74**  
 TOTAL DEPTH: **607'**

PAGE NO: **1** OF **9**  
 REF. TO CLAIM CORNER:  
 SCALE: **1" = 100'**  
 LOGGED BY: **PMK + J.L.**

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS: <i>at head of Rupert INLET. 100' E of Marble River pipeline &amp; 800' S of Wauk waas Cr. bridge</i>	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
0															
5															
20							<i>0-124 Overburden</i>								
20							<i>124-208 Tuff</i>								
30						<i>dark grey green tuff. less epid.</i>	<i>med grey green-spotted w. green epidote throughout, medium grid, very well fractured</i>								
40						<i>med grey-green much epidote</i>	<i>Well spotted w. epidote, occas. calc vnlet, Qtz sub angular frags. &lt;1/4" spotted sparsely throughout.</i>								
50						<i>soft, crumbly. much epid.</i>	<i>Occas. hematite staining + frags</i>								
60															
70						<i>hematite frags. + staining.</i>									<i>No Samples</i>







HOLE NO. R-5

PROJECT:

PAGE NO: 4 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: J.L.

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	
290 300							DESCRIPTIVE GEOLOGY									
300 310 320 330 340 350						3" fault	<p><u>292 - 368</u></p> <p>Dark gray to greenish finely to mod. fragmented tuff. Calcite veinlets throughout. Weakly magite. Pervasive epidote alt'n on both calc. veins &amp; on frags. Possible chlorite development in rock. Core more solid than last run. No signif. sulph.</p>			292						No Samples
						slip					90					

HOLE NO. *R-5*

CASING COLLAR ELEV.:

COORDINATES:

INCLINATION:

N.

BEARING:

GROUND ELEV.:

E.

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO: *5* 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
50							<i>slip</i>	<i>292 - 368 - Sec. 4</i>			<i>350</i>					
60							<i>slip</i>					<i>90</i>				
10								<i>368 - Epidote spotted Tuff dark to medium grey green, fine gr'd, highly fractured. Epidote spots and veinlets throughout chloritized grdnass. Some calc frags + unlets. Weakly magnetic in frags. Some laum in fract. in small frags. Little or no py or cpy.</i>			<i>368</i>					<i>No Samples</i>
20							<i>epid pod.</i>					<i>90</i>				

HOLE NO.: **R5**

PROJECT:

PAGE NO: **6** 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.	ESTI-MATED	
410							<p>368-555 Epidote spotted Tuff.</p> <p>minute epidote spots, veinlets Throughout dark or med grey green andesitic grdmass. Some occas. calc veinlets and frags. Minor laum in occas slip or frag.</p> <p>No noticeable sulphides.</p>									
420																
430																
440																
450							calc vns.									
460							well shattered.									
470																
70																

90

Samples

No









STATEMENT OF COSTS

for

Diamond Drilling on the Rupert, Opex and

Ees Group of Mineral Claims

A. Charges by Drilling Contractor

(Connors Drilling Ltd.)

Drilling	\$27,255.12
Extra Charges	<u>1,400.00</u>
sub total	<u>\$28,655.12</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	445.00
c) site preparation	1,000.00
d) survey of hole locations	500.00
e) room and board for drill crew - 5 men at 8.40 per man per day for 25 days	1,050.00
f) supplies and freight	100.00
g) truck operation at 25¢ per mile (200 miles)	50.00
h) company overhead at 25% of labour charges	<u>500.00</u>
sub total	<u>5,645.00</u>
Grand total	34,300.12

Total footage drilled - 2,914 feet

Cost per foot drilled -  $\frac{\$34,300.12}{2,914 \text{ feet}}$  = \$11.77

*pmkaiway*  
Pam Kaiway, E.I.T.

SUMMARY OF WORK

1. Diamond drilling took place for 24 days from July 2 to July 26, 1974 in an area about ten miles south of Port Hardy.
2. Five vertical holes were drilled along the Rupert Arm Road, which runs eastward from the head of Rupert Inlet to the Island Highway. The drill holes were located along the first mile of the Rupert Arm Road.  
Size of the core produced was BQ.  
All of the core is stored at the Island Copper Mine of Utah Mines Ltd.

3. The pertinent data on each hole drilled is as follows:

<u>HOLE</u>	<u>COLLAR ELEVATION</u>	<u>INCLINATION</u>	<u>LENGTH</u>
R-1	13.5 feet	Vertical	604 feet
R-2	27.0 feet	Vertical	600 feet
R-3	57.0 feet	Vertical	501 feet
R-4	32.3 feet	Vertical	602 feet
R-5	15.8 feet	Vertical	607 feet

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 British Columbia

b) Pamela M. Kaiway, E.I.T. - Junior geologist  
B.A.Sc. - geological engineering  
University of British Columbia

5. An index map is included to show where the detailed claim map lies with reference to the local area.

6. An itemized statement of costs is also included in this report.

*pmkaiway*  
Pam Kaiway, E.I.T.

Foreward:

This report is being submitted in compliance with Regulations Governing Assessment Work under the Mineral Act, British Columbia Department of Mines and Petroleum Resources, September, 1973.

Assessment credit is applied for diamond drilling work done between July 2 and July 26, 1974.

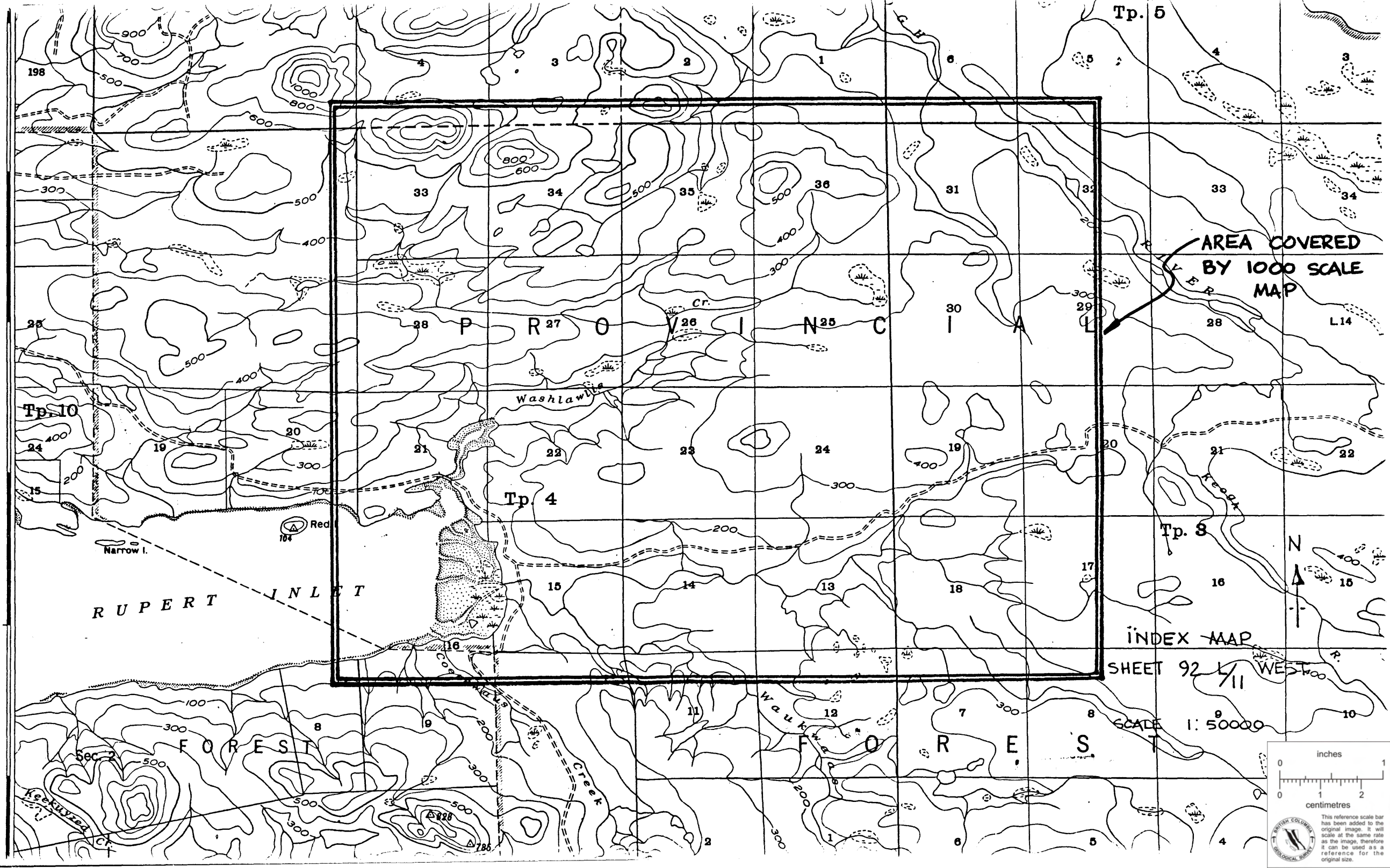
Three claim groupings are covered, with forms "I" and "B" completed and submitted with each of the three groups.

MAPS

#1 Index map

#2 Drill Hole locations

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <u>5102</u> MAP _____
--

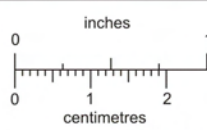


AREA COVERED  
BY 1000 SCALE  
MAP

INDEX MAP

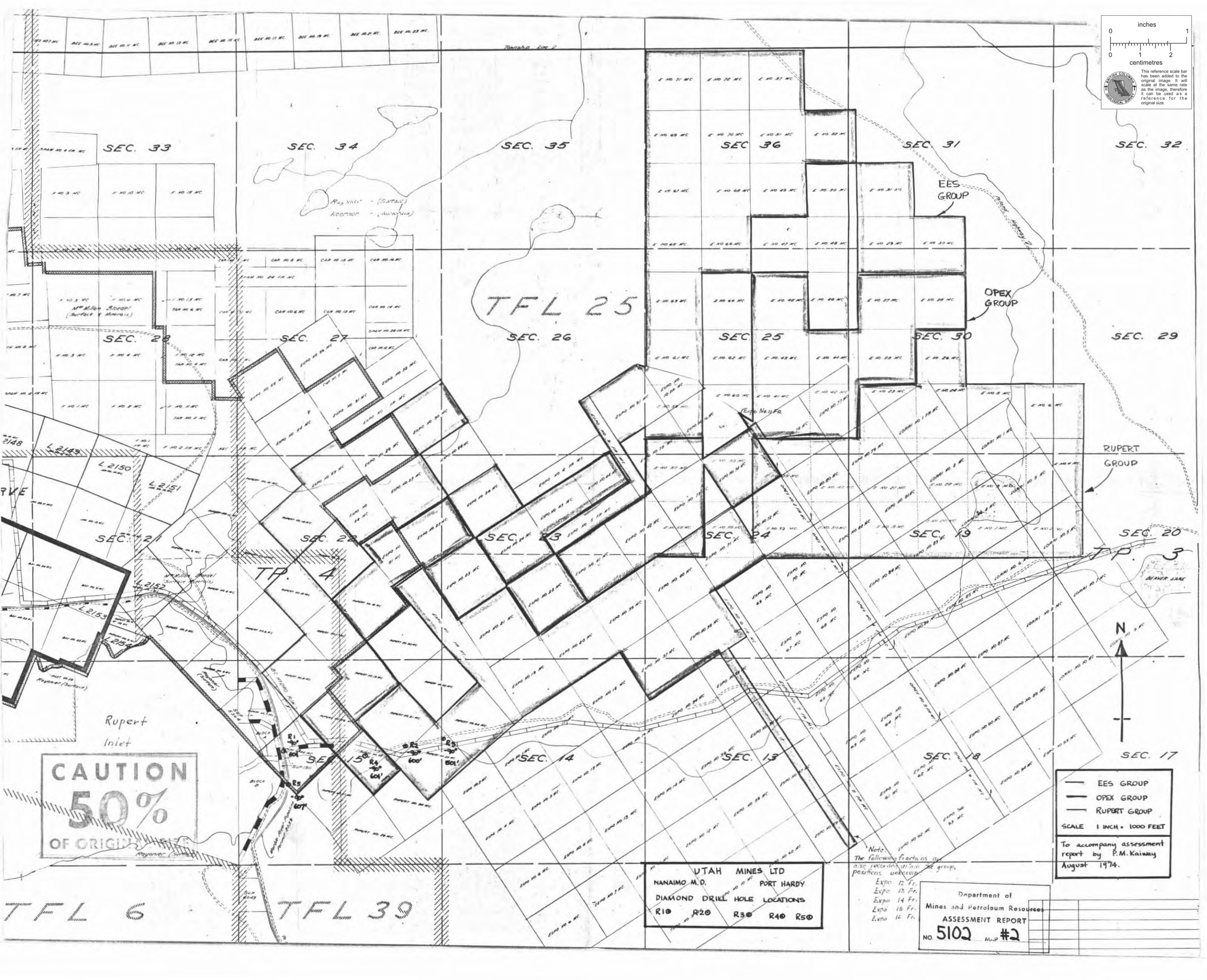
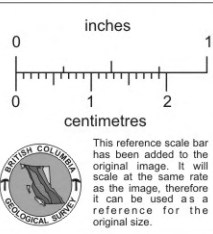
SHEET 92 L/11 WEST

SCALE 1:50000



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.





**CAUTION**  
**50%**  
 OF ORIGINAL SIZE

UTAH MINES LTD  
 NANAIMO B.C. PORT HARDY  
 DIAMOND DRILL HOLE LOCATIONS  
 R10 R20 R30 R40 R50

Note:  
 The following fractions of  
 also recorded within the group,  
 positions, unknown.

Expo 12 Fr.  
 Expo 13 Fr.  
 Expo 14 Fr.  
 Expo 15 Fr.  
 Expo 16 Fr.

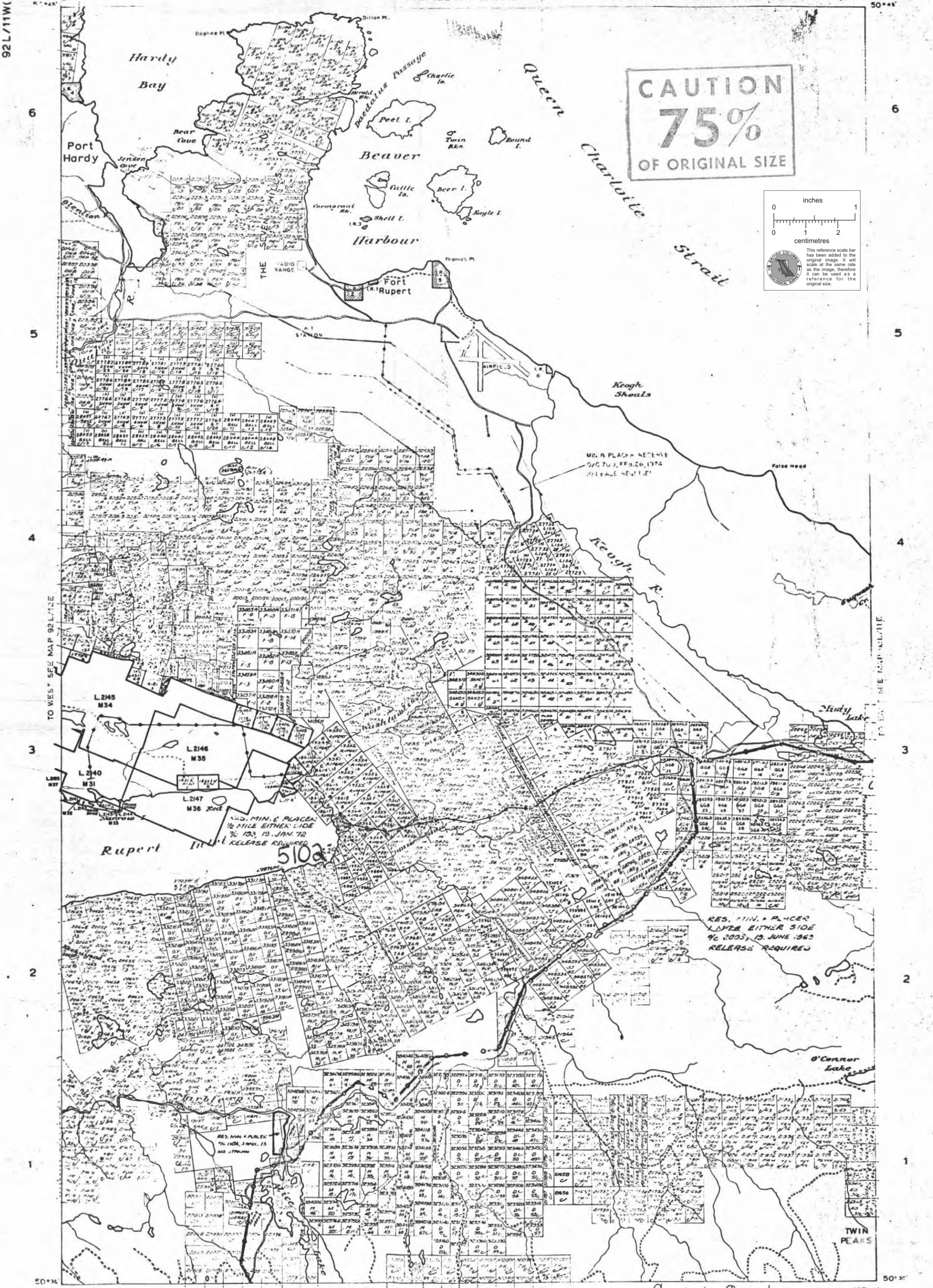
— EES GROUP  
 — OPEX GROUP  
 — RUPERT GROUP

SCALE 1 INCH = 1000 FEET

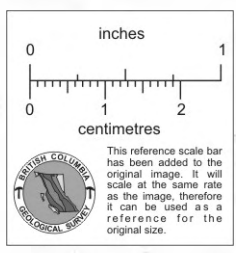
To accompany assessment  
 report by P.M. Kainway  
 August 1974.

Department of  
 Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
 NO. 5102 M.P. #2





**CAUTION**  
**75%**  
**OF ORIGINAL SIZE**



92L/11W  
 6  
 5  
 4  
 3  
 2  
 1  
 TO WEST SEE MAP 92L/11E

127°15'  
 6  
 5  
 4  
 3  
 2  
 1  
 TO EAST SEE MAP 92L/11E

RES. MIN. & PLACER  
 1/2 MILE EITHER SIDE  
 76 193 19 JAN. 72  
 RELEASE REQUIRED

RES. MIN. & PLACER  
 1/2 MILE EITHER SIDE  
 96 2005 19 JUNE 1965  
 RELEASE REQUIRED

127°30' NANAIMO MINING DIVISION

127°15'

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
 VICTORIA, B.C.  
 MINERAL CLAIM MAP 92L/11W(M)

For up-to-date information  
 on claims in any area you  
 should apply to the Mining  
 Recorder for the Mining  
 Division concerned

Copied - Oct. 174  
 This map is prepared to serve as a guide  
 to the positions of located mineral claims  
 and Placer Mining Leases only. Unsurveyed  
 claims and leases are plotted from locators'  
 sketches and are not guaranteed. Letters  
 C & B indicate claim is Crown-Granted.  
 Symbol 'C' indicates claim has forfeited.



A

D

92L/11W(M)