

#1-1

JODEE, SOUTH UNUK, HAPPY VALLEY

D.D.H. No. 1. Sheet
LOCATION _____
SECTION 800815

DIAMOND DRILL LOG

UNUK GROUP,
No 1 Set-up
True

LATITUDE SFF MAP Boyles red string Boyles red string Boyles red string Boyles red string Boyles red string
DEPARTURE " "
ELEVATION " "
STARTED SEPT. 9 / 64
COMPLETED Sept 20/64
V.D. _____ H.D. _____

BEARING 570E DEPTH 360'
DIP - 32° (MIN. W. WIRE LINE)

note 47-77' limonite matrix
grey part & variegated
Xal app
Xal app

A.X.W.L
Boyles red string

doubt ->

DIST.	GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE CORE, BDDG.	ECONOMIC GEOLOGY
						FEET	NUMBER		
0'-8'	INITIAL CASING (PLAN TOT 38')							75' @ 10'	8'-17 1/2'; gen. sp. f. gr. py. only
8'-17 1/2'	Pale grey qz-feld granulite; Prob. a mylonitized trachyte Xal tuff; note occ + HCL on f. gr. matrix, fractures, etc. Ev. (some re-crystallization to give purple aspect?) This sect. a banded rather fine-gr. fragmentals.							65' @ 14 1/2' 40' @ 16' 40' @ 22' & Swirly.	w occ isolated patches & vlets of sp. dissem. cpy. 17 1/2'-23' - sp. py. only.
17 1/2'-23'	Pale-grey sheared feld granulite broken, mostly rounded feld Xals. occ hard solid Xal frags; matrix scratches.							23-30 - approx'd f. gr. py. only. 30-35 - mel 35-36 1/2 - gen. sp. py. some dissem. cpy @ 35 1/2'.	
23-30	Dark grey-black dense granulite foggy phens; matrix varieg + HCL, + slightly green-chlorite.							65' @ 44'	36 1/2'-47' - gen. amount f. gr. py. w occ small patches of sp. cpy. @ 37'
30-35'	patchy f. gr. hard sp. chls det (yellow-green) dike - no mem.							60' @ 55'	47-77' - sp. py. to cpy. 77-82 - Xal
35-36 1/2'	Cherty black granulite; foggy part feld Xals.							80' @ 82 1/2'	82'-109 5/8' - patchy f. gr. maroon grain cpy on qz seam @ 82 1/2'
36 1/2'-47'	Brown mottled breccia; brownish felds + part + corroded etc. f. gr. greenish grey matrix.							65' @ 106'	
47-77'	Even dark grey, apparently limonite granulite + breccia. + HCL on Xals + matrix.							45' @ 111 1/2'	109 5/8'-130 = patchy f. gr. maroon only.
77-82	F. gr. black dike (as on surf) 77-80 broken (part zone).							70' @ 121'	
82-109 5/8'	Med grey, gen hard rather fine grained granulite Note approx'd + HCL. This sect; often hard silic matrix. *Loc @ f. gr. bx								
109 5/8'-130 Sept 14 (noon)	med grey hard silic granulite + fine breccia. (-) HCL.								

Corona D. M. Miller
DRILLING CONTRACTOR

W.M.S.
ENGINEER

1-2

UNUK GROUP

D.D.H. No. 1 - Sheet 2
 LOCATION _____
 SECTION _____

DIAMOND DRILL LOG

LATITUDE _____ STARTED Sept 9/64
 DEPARTURE _____ COMPLETED Sept 20/64
 ELEVATION _____ V.D. _____ H.D. _____
 BEARING _____ DEPTH 360' ✓
 DIP - 32°

DIST.

GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
					FEET	NUMBER		
130-147 Pale to med gray g2-feld granulite 1;							40° @ 142'	130-147. apper. of gr pyg & occ. grains cpy.
147-177 Pale to med gray faintly brown mottled g2-feld pyrophyte & granulite.							40° @ 165' 55° @ 177'	147-177 - apper. patchy for py w. sp. loc. cpy. Sample "Shale" 130-175
177-205 1/2 Pale to med gray g2-feld granulite hard, silic. - HCl. Qz. slaw in 80 surf @ 179' for g2-clt gashes @ 30°-45°. Gen siderite mottling impreg in							irreg.	177-205 1/2; v. sp. py w. very occ small clt cpy.
205 1/2-229 Med gray to yellowish gray sharp granulite + bip. Frag. silic. repl. of another + g2.					205 1/2 225 1/2	4525	60° @ 202'	205 1/2-229; patchy rather strong fine-grained py. w. occ. grains cpy. Impressive degree sil. replace w. fine bx tests.
229-290 Med gray; yellowish of. gr. granulite Gen. Fair sil. impreg. in w. only occ. g2-sil. gash v. lts. Gen - HCl in v. occ. (+) nests.					225 1/2 245 1/2	4526	60° @ 262'	229-290 - Note gen within fine-gr sil. repl. of another; Impressive amt of sil. replace w. fine bx tests. 5 ft. Fgr py & cpy.
290-332 Pale gray hard cherty granulite occ + HCl nests & v. lts. gen sp. sil.					245 1/2 265 1/2	4527	-	290-332; Fair for py over whole sect. to cpy. w. g2 or silic. in. Note clt cpy @ 305"
332-360 Pale gray to yellowish (sil) gen for granulite w. occ. larger bx. spage. Hard cherty (HCl -). Note impreg (red and white) v. lts. bx spage. Gen heavy siderite repl.; v. lts & clts.							gen 45°	332-360; Gen sp. to Fair 1-p py only.

* Sil. sect.
 # 229-262 1/2

END *

Summary: 200'-300'
 Prob. of 50' true width
 0.15-0.20% Cu.

Tony Petter / Corona
 DRILLING CONTRACTOR

[Signature]
 ENGINEER

#3-1

Lodge
UNUK GROUP.

D.D.H. No. 3 - sheet 1
LOCATION at plane
SECTION _____

DIAMOND DRILL LOG

LATITUDE _____ STARTED Oct 1/64
DEPARTURE _____ COMPLETED Oct. 7/64.
ELEVATION _____ V.D. _____ H.D. _____
BEARING N80E DEPTH 540'
DIP -40°

DIST	GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
						FEET	NUMBER		
0-50	Well chlor., patchily chloridized Tuffaceous breccias, grey, grey-green to black w. inf. yellow sand, v. calc. in places stringers, fair foliation. all sp + HCl in matrix of tuffaceous.							50° @ 5' 45° @ 15' 45° @ 47'	0-50; sp + fsp py only
50-83	Fine to med grained siliceous granulite gen med. grey shades, + HCl in thin-lyht det. v. lts.								50-83; sp fsp py visible
83-104	Coarser gr. rather dark grey-green chlor. ss. + granulite; rather sparse yellow sil. replace.							40° @ 100'	83-104; sp det. py. w occ. larger clots.
104-109	SKR; w. sects some sil. repl. w. occ reddish fsp.								
109-113	F. gr. black basic dyke (trap + med.)								
113-163	Gen dark grey foliated gr-feld ss or granulite, occ harder, pale siliceous, occ gr scars & patches.								- 113-163 sp. fsp py only.
163-183	Dark grey black, w. fine red-green mottling; upper 1/2 gr sil. & chloritic replace ment.							"shorts" 163-183 0.53% Cu	163-183; F. gr py w sects upper division + det. cpy. Sample * Holworthy test, altho good degree of mineral (well-sorted)
183-226	SKR w. slightly less sil. in							Est 40' @ 0.30% Cu = 30' true 0.4% Cu	183-226 F. gr py w sparse fine-gr cpy + loc. to intermittent sects.
226-252	Med. to hr pale grey granulite, gen hard siliceous w. loc. red- green mottling								226-252 sp. py + tr. fsp cpy.
252-263	Pale grey + greenish f. gr granulite; loc conspicuous sil. veining & repl. of matrix.							95° @ 256 Est. 0.25% cpy.	252-263 - @ 256 cpy v. lts parallel to core axis but disconformity @ 45° w. foliation. Strong fsp py to 8' south of cpy ± more w. side. altho

Corina / Tony Santos
DRILLING CONTRACTOR

W W Sharp
ENGINEER

43-2

DIAMOND DRILL LOG

Jodee
Unruh group
Oct 31/64

D.D.H. No. 3- Sheet 2
LOCATION _____
SECTION _____

LATITUDE _____

STARTED _____

BEARING _____ DEPTH _____

DEPARTURE _____

COMPLETED _____

DIP _____

ELEVATION _____

V.D. _____ H.D. _____

DIST.	GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
						FEET	NUMBER		
263-308	Core missing; (lost on slide)							50' @ 310'	276-291 @ 0.16% Cu. 276-281 @ 0.17% Cu.
308-314	rather pale grey siliceous granular gr. shaly & well-foliated								308-314. Sp py only
314-340	Thin foliated olive green to bluish green (alt stripes) tuffs w/ lenticular qz-feld frags							65' @ 315'	314-340, " " "
340-371	Mottled siliceous breccia, greys & greens w. red-brown (spags) matrix. Long narrow gobs of vlt. 1"-2" white-cream pink qz-feld.								340-371- Sp py only.
		0.53				163-183 #4530			} section 30' trace with 0.4% Cu. indicated.
		0.30				183-203 "pyrocl." EST. :-			
		0.25				252-263			
371-400	Very dark to med gray, red- mottled siliceous breccia w. qz- cut vlt. All split core Granulose or Consp.								371-400 - broadly fair brn-vlt. & massive of cpy. Granulose 371-400 @ 0.14% Cu.
		0.17				276-281			} split.
		0.13				281-286			
		0.19				286-291			
400-476	Blue-green siliceous breccia. "rippling" obscure texture some red-frag'l vlt. (Hcl-)								400-476. V. sp. only. visible 0.15% 90' trace @ 0.15% do. index.
		0.15				371.5-381.5			} 120' length
		0.13				381.5-386.5			
		0.14				386.5-391.5			
476-481	Split; vlt. coarse grey granulite; hard, siliceous								476-481; V. sp. vlt. cpy.
		0.13				381.5-386.5			} 90' trace @ 0.15% do. index.
		0.14				386.5-391.5			
		0.14				391.5-396			
481-496	Pale grey (loc. greenish) siliceous tuff-granulite.								481-496. To only. res.
		0.14				391.5-396			} 40' trace @ 0.15% do. index.
		0.04				410-415			
		0.04				476-481			
496-519	Greenish shaly-fol. tuff, loc some br frags.								496-519. To sulf. only
		0.04				410-415			} 519. - - - " " "
		0.04				476-481			
		0.04				476-481			
519- - -	Shaly w. occ sandy qz-red masses + green vlt.								519. - - - " " "
540'									
End	Remarks from 496 appear entering from vlt. tuff zone								
		0.16				276-291			
		0.14				371-400			

DRILLING CONTRACTOR

ENGINEER

WMS.

#4-1

Cool, heavy coarse snow



DIAMOND DRILL LOG

UNOK GROUP
Jodee

D.D.H. No. 4-Sheet-1
LOCATION plan
SECTION _____

LATITUDE map
DEPARTURE _____
ELEVATION _____

STARTED Oct. 8/64
COMPLETED Oct 14/64
V.D. _____ H.D. _____

No 1 Set-up.

BEARING N80E DEPTH 555' - 5'
DIP - 55° No core 55-60', net 550'
(also noted collar @ ± 6')

DIST.	GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
						FEET	NUMBER		
0-55	Gray-green f.g. tuffaceous + pale green granulelite. Scant gr-bearing & few patches siderite.							30-45°	0-55 - Sp f.g. py.
55-74	Darker chlor-greenish tuffaceous breccia, ock. gr. - act bearing Sp patches of py. detritum.								55-74; Tr. cpy
74-131	Med gray f.g. granulelite oek hard-look gr. act. only (H.C. -)							45°	74-131 Sp. f.g. py only vis.
131-154	Darker greenish gray breccia granulelite tuffaceous; Fairly abundant chlo. & detritum sidl.	0.25				131-154	4528	"Shots"	131-154 - " " "
154-200	Med gray normal barren granulelite, Sp py only	0.25				176-200	4529	"Shots"	154-200; " " "
200-245	Gray-green "greasy" granulelite w/ faint sidl replacement.					200-245		45° @ 245'	200-245 - Chlo. py and w/ siderite
245-294	Dark green-gray granulelite w/ faint detritum; w/ py. sidl. (H.C. -) polished red rollers, frags							50°	245-294; Sp. py only
294-339	Greenish gray f.g. granulelite Sp gr. sidl.							50°	294-339; Fair f.g. py only
339-351	S.K.R. -								339-351; Sp detritum py.
Summary: possible 131'-245' @ 0.25% Cu Indic. - 80' true @ 0.25% Cu									

114
.72
228
798
8208

Corona
DRILLING CONTRACTOR

W.M. Sharpe
ENGINEER

#4-2

"Snow"



UNUK GROUP

D.D.H. No. #4-Sheet-2

LOCATION _____

SECTION _____

DIAMOND DRILL LOG

LATITUDE _____

STARTED _____

BEARING _____ DEPTH _____

DEPARTURE _____

COMPLETED _____

DIP _____

ELEVATION _____

V.D. _____ H.D. _____

DIST	GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE Core, Bore	ECONOMIC GEOLOGY
						FEET	NUMBER		
351-355	F. gr. black dyke;								
355-377	Thin banded tuffoc. sp.							60°-70°	355-377 F gr py.
377-396	As above w more fine sand impregnated F. gr act, HCL (+)								377-396 Sp dr
396-424	Normal pale gray silic. granulate w increasing degree acid replace from 400-424, occ 92-sil. v. lts.							45° @ 390-398'	396-424 Sp dr
424-438	Gen pale gray hard silic 92-silic. pyrophyllite - brucian. F. gr. 92-gabed @ 20° (HCL-)								424-438. Negligible py
438-446	Greenish to yellow gray HCL (+) f. gr. tuffoc. (granulate).								438-446; to f. gr. py.
446-545	Thick bed f. gr. med gray occ. greenish tuffoc. granulate HCL (+)								446-545; "
545-555	Greenish gray tuffaceous w more silic. & calc. frag. 92-silic. etc. f. gr. thin bed sections.							55° @ 549'	545-555; v. up f. gr. py only.

End
depth
actual
550'

Corona

DRILLING CONTRACTOR

J. W. M. A.

ENGINEER



DIAMOND DRILL LOG

UNUK GROUP
2nd SET-UP.

Moving to set up #2 Oct 15, 16, 17

D.D.H. No. 5
LOCATION per plan
- 350
SECTION _____

LATITUDE _____

STARTED Oct. 18 (slide started + move work Oct 19/64, resume.)

DEPARTURE _____

COMPLETED - - - 71' @ Oct 30/64 BEARING EAST DEPTH _____

ELEVATION _____

V.D. _____ H.D. _____

DIST.
0-71

GENERAL GEOLOGY	% CU.	OZ. AU.	OZ. AG.	% MoS ₂	SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
					FEET	NUMBER		
Med. to fine grained med gray siliceous tuff + breccia; fide consid. red frag'le mat'l.							<u>60' @ 45'</u>	0-71' - international sects. we very f. q. py. only.
<u>Completed 1964 program in 6 holes</u>								

Cornia Drilling Contractors, Inc.
DRILLING CONTRACTOR

W. M. Sharp
ENGINEER