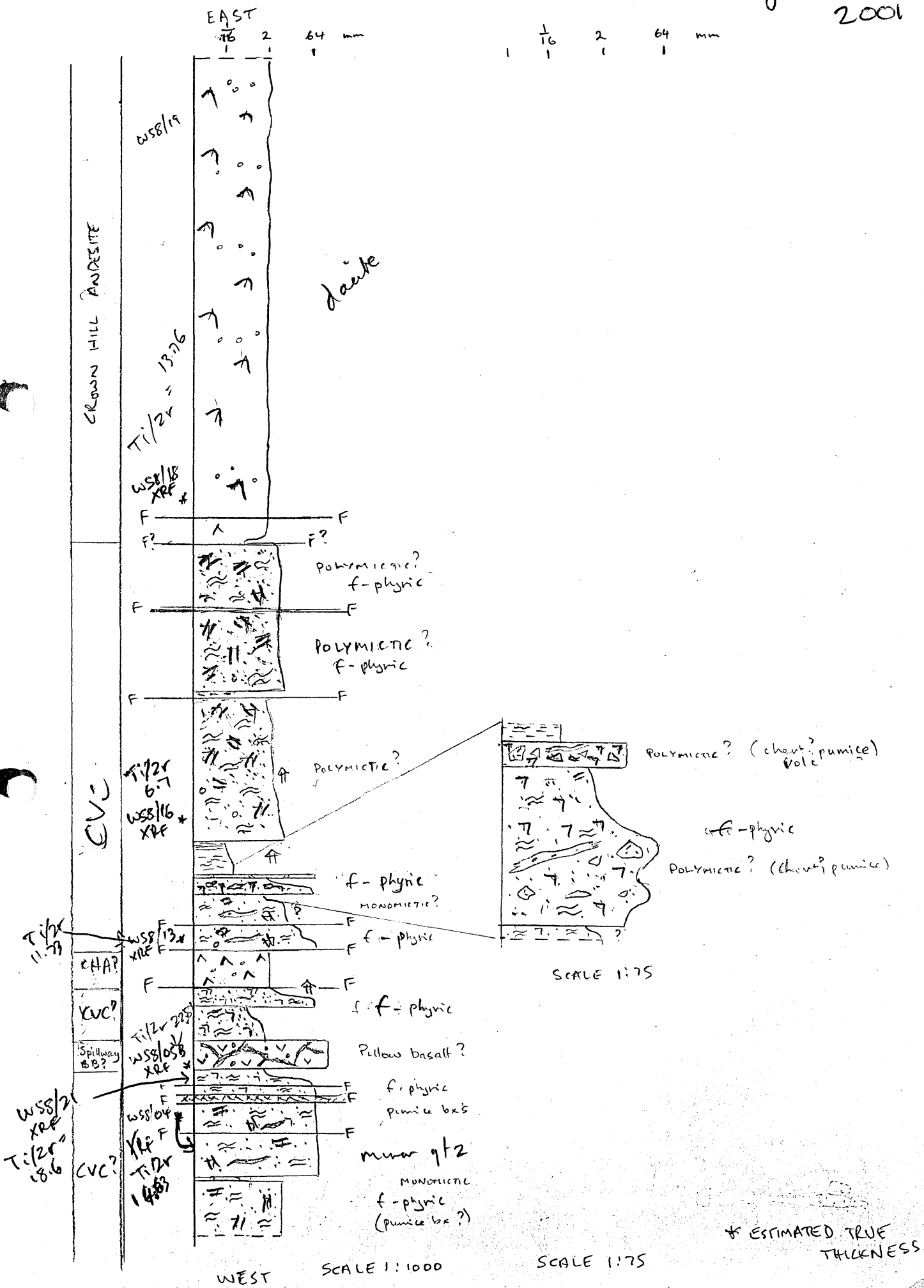


18253
Greg Ebsworth,
2001



* TS

FIX Summary

DIAMOND DRILL LOG				LOCATION: WEST SEBENCK (216-2AG HILL AREA)		HOLE NO: WS 008	
				AMG: 381286 E 53,46131 N		Page 1 of 13	
Mag. sus.	Structure	grainsize mm		ALT	Description	Logged by: GBE	Date: 15/10/01
		1/16	1/8				
0	low			M-S Ser py	Weathered, orange, ferruginized, strongly foliated, sericitic rock. Feldspar - phytic with ~5% 0.2-0.5mm euh-subhedral phg? Less oxidised band at ~21-21.5m strongly qtz veined (qvs to 20cm) in part, possibly error. with faults (70°-80/CA) Base of oxidation 26.20, then gray, unweathered equivalent, with strong discom. py(?) bands and veins sub-parallel to foliation		
10					This unit could be a sheared, weakly f-phyric volcanic or f-ilitic, volcanoclastic unit. Too altered, oxidised and deformed to be usefully sampled for petrog. Dacitic or andesitic?		
20	low			S-Ser py	Could have coarse fiamme - too alt to be sure		
30							
32.30					sharp, irregular/sharpened		
33.7m	low			S. silic	Massive - weakly foliated, gray siliceous f-phyric rch? volc. Could be a dacite intrusion or strong silicified of prev. unit. Fu 1-5% 0.5-1mm euh sharp	WS8101	33.7m
38.6m	low			S-Ser py	Fine grd, weakly f-phyric, vetric-looking unit - appears to have shield like shapes. 1-5% if (0.5-1mm) vetric top?	WS8102	38.6m
43.6m					minor wispy alt. fiamme-like clasts? to 10cm		
45.2m					From ~48m. minor 2-8cm some H/5cm f-phyric up to 10cm alt. to 45.2m alt. pyric in	WS8103	45.2m
50							

could be much coarser

22.0

29.0

39

45.5m

WS8103 45.2

50				M-S Ser	Moltenitic f-pumice breccia with common f-phyric-pumice clasts to 15cm, av. 5-8cm, often partially or fully altered to q-ab, obscuring texture. Some may have rare, 0.5-1mm qtz phenos - but not definite + WSS/04 58.60m - typical bx E of here
60	low	G2.0 Schwar fault 20/CA 	VS Ser py		FAULT in pumice bx some pug - 15cm qtz-ser (py) vein at top - 80/CA
70		64.2 		84-S Ser	
80		78.75 175/CA 	VS Ser pug		FAULT in pumice bx core broken th'out with v. strong fol. and several 20-30cm q-ser-py veins at high angle/CA
		86.0 ~10/CA 			shaded but less broken, v. alt pumice bx?
90	low	~10/CA 90.90 			FAULT - v. broken core
		94.5 5-silic 95.5 M-S silic 	S Ser py		Several 20-30cm qtz-chln-py veins, hi/CA Pumice bx? as pum - clasts less obvious possibly finer grd - f-xtal rich? than M-strong silic E a ser. 5-10mm qus, hi/CA → lower silic. part, possibly f.grd, less obviously a bx
100		100.0 0.1 0.3 fol 20/CA 			98.20m - sharp wavy irregular Anhydrotidal basalt(?) see below

6
EUC 3
W 58/20 92
alt-fv
f-vl ss
11/2
E 8

DIAMOND DRILL LOG				LOCATION: WEST SEDGWICK			HOLE NO: W3008	
Mag. sus.	Structure	grainsize mm				ALT	RL: DIP: AZ:	Page 3 of 13
		1/16	1/8	1/4	1/2	1		
							Description	Logged by: GBE Date: 15/1/01
100	fol of amygds 15-20/CA					ALT		
110	22/CA					partly S silic + ser/py		<p>Amygdaloidal basalt(?) bx?</p> <p>Var. ser-py alt, strongly amygdaloidal basalt and grey, silicification or alt. v. f. grad. in that Amys 2mm to 8mm, ^{qtz-curb} whole unit is determined with strong fol. Pillow lava of RGC. The f. grad. silic. prob alt as it is v. closely assoc. to ser/py + <u>W3008/05A 104m</u> XRF(B)</p> <p>The silic/ser py dominates unit. Nat zones up to 50cm long.</p> <p>30cm qtz-chm-carb-py vein at 113.7m</p> <p>COULD BE A PETERITE OR PILLOWS WITH INTERPILLOW SILICIC/PY MUD?</p> <p>118.20m Razor sharp - same shcks?</p>
120	fol ~ 15/CA					M-W ser-py		<p>Cray-pink, med grd, f-xtal - vitric VC SS.</p> <p>20-30%, 1-2mm, var abalt, euh-subhd felds xtals, in a foliated, (e-hand-nich) vitric matrix. Finer grd (downhole fining?) from ~ 132m to 10-20%, 0.2-0.5mm f. (q?) xtals in a vitric matrix - then from 133m, sharp contact to</p> <p>fenaric - patchy ser-py alt - clearly x-cut & replaces vitric - vtd tuff. (includes basalt lava of RGC) in "</p> <p><u>W3008 142.50</u> ser alt + fresh VC alt</p>
130	low					132 S ser-py		
	~136 base					136.8 V-S ser-py		
140	fd - 15/CA					139 M-C ser-py		
								~146.5m marked by ser-alt.
150	low					M ser-py		<p>monomictic Punice bx - <u>W3008 147.70</u> bx to prev. unit. Minor punices to 10cm, possibly qtz-phyric ^{q?} ₁₅₀.</p>

DIAMOND DRILL LOG				LOCATION: WEST SEDGENICK			HOLE NO: WS008	
				AMG: E N			Page 5 of 13	
Mag. sus.	Structure	grainsize mm		ALT	RL: DIP: AZ:	Logged by: GBE		Date: 15/10/01
		1/16	1/2 2 8 64		Description			
200	fol ~10% CA			214.0	Less (obvious) large wispy clasts and slight decrease in total grain size to 1-2 mm below 200m			
200				214.0	pumice clasts			
				214.0	Fault - alt - 15-20/EA - 2 qtz - carb bx?			
				215	band of 2 'amys' of PGC) just below. 216.1m			
220	fol ~10% CA			215	Monomictic Green, fine grnd, vitric? tuff? with minor large (2-10mm) pumice? clasts, 5-10% or feldst qtz (1-2mm) - possible slight qtz in this block. ch. volc		WS8/10 221.9 WS8/11 230.40	
230	fol ~10% CA			234	This could be a calder-ser alt deformed ch. volc - supporting this view sections with obt ovoid qtz (filled?) amys?		* WS8/12 235.1 - amys? these seem assoc. E s. ser/py, could be 20 C-H VOL	
240				235	py clots to 3cm			
250				248.9	Finer with less pumice(?) clasts? - lowest fine grnd part seems conformable although is obscured by s. alt.			
				248.9	Note: shard-like texture less obvious in s. ser-py alt parts, but still ghost-like => pre-date mnt + deform. : vitric strong ser-py alt 248.9-253.1m			

NB

DIAMOND DRILL LOG				LOCATION: WEST SEDGEWICK		HOLE NO: WS008	
				AMG: E N		Page 6 of 13	
Mag. sus.	Structure	grainsize mm 1/16 1/8 1/4 1/2 3/8 1/2		ALT	RL: DIP: AZ:	Logged by:	Date: 16/0/0
250	low fol ~10/CA			US ser-py	Description		
					v.f. grd with ghosts of shand-like feature 252.8m obscured by alt + broken core		
	low fol 5-10/CA			253.1 M-S ser	POLYMITIC? F(q) xtal m. vitic-lithic VC sandstone/bx common, 0.5-2cm av. ~1cm cherty, and chert (alt) lithics Poss. minor large (2-4cm) punies - 26%? F 0.2-1.0mm, av. 0.5mm, euh. difficult matrix R 0.5-1mm, euh. } to est. + WS8113 253.55 typical cross XRF not petrology Note lithics aug-subony fines downhole		
260	low fol 15/CA			262.4 v.s ser-py	5-10cm gtz-carb-py fines low/CA - ser py alt obscure features could be finer grd vitic slst (slst of RGC) but hard to be sure 266.9: sharp? contact - obscured by alt		
	low So? So/CA			266.9 M-S ser- vitic	POLYMITIC lithic+lithic, f(q) xtal lithic VC bx 10-20% 0.5-2cm, aug-subony cherty lithics (some look finely polymitic) in a vitic, f(q) xtal (rich?) matrix - f- 0.5-1 - 20% f- 0.5-1 mm? - Poss. minor chert punie 268.25m sharp, irreg WS8114 267.85m		
270	low fol ~5-10/CA			Zones of M-S ser-py thout	Grey-dk grey f.v.f.grd, VC slst to v.f. ss. Variable ser alt. appears to replace more vitic parts although some of this looks like mudstone. Generally weakly bedded. From ~ 286m down get thin distinctly vitic laminae/beds though these could be small bands eg WS8115 290.60 vitic slst + ser alt		
280							
290							
300				297.5 S ser comp? Sili ab?	1-3cm gtz-carb veins, subparallel to fol; + assoc. ser-lithic-carb lat? alt		

DIAMOND DRILL LOG				LOCATION: WBT SEDGWICK			HOLE NO: WS008	
				AMG: E N				
		grainsize mm			RL: DIP: AZ:		Page 7 of 13	
		1/16	1/8	1/4	1/2	3/4	1	
					ALT		Description	
					Logged by: GBE		Date: 16/10/01	
300	low	5-10/CA					ser silic ab carb 303 M-S ser chlr	Utric slst grades down to massive vc mudstone (?) (or could be alt effect)
310		massive					M-S ser chlr	~316.0 obscured by ser alt - could be gradual
320		fol ~20/CA					M ser chlr 321 S chlr deshoq fabric 322 M ser chlr	<p>Green-gray, pumice f(-q) + xtals - white vc bx</p> <p>10-20% 1-2 mm euh felds xtals</p> <p>in a breccia of 0.5-1.5 cm tube pumice clasts</p> <p>note: - pink, angular-subang q(f?) phytic volc. lithics in v.f. grd silic gndmass, gen 0.2-1 cm, - cream alt (pumiceous?) 0.2-0.5 cm</p> <p>typical CUC</p> <p>+ * WS8/16 332.8</p> <p>DEFINITE Pumice bx XRF tube pumice at various orientations</p>
330	low							~334 patchy, x-cutting ser alt completely destroys fabric -> v.f. grd alt rock alt frnt vc ss v.f. ser
340								Unit appears to fine downhole overall, f crystals less coarse from ~336 m but still a pumice bx with some coarse f and q xtals.
350								cf CVC ~350-351 several 2-3cm qtz-cab-py veins high CA

DIAMOND DRILL LOG

LOCATION: WEST SFDGENWICK
 AMG: E N

HOLE NO:
 WS 008

Mag. sus. Structure grainsize mm
 1/16 1/2 2 8 64 ALT RL: DIP: AZ: Page 8 of 13
 Description Logged by: GBE Date: 16/10/01

350

Pumice - f²xtal - white uc bx
 as prev.

360

cf CVC

370

fdl ~
 20/CA

M-
 sect
 chlor

low

380

390

↓?

400

S. ar.

From ~ 398 - xtd's 'v' minor - absent (sharper scd?)
 400.0 Sharp, going to sct

DIAMOND DRILL LOG				LOCATION: WEST SEDGWICK			HOLE NO: WS008	
				AMG: E N				
		grainsize mm		RL: DIP: AZ:		Page 9 of 13		
		$\frac{1}{16}$ $\frac{1}{2}$ 2 8 64		ALT		Description		
Mag. sus.		Structure		400.6 vs serpy		Logged by: GBE		
				403		Date: 10/10/01		
400	low	FAULT?				20 cm band of pumice bx broken, fault? Grey v. fgnrd vc? slt or ser. alt??		
		Fol 24/01				404.0 sharp - erosional? transposed abt → S1		
410		Fol 15-200x				Pumiceous ^{POLYMICRIC} f-xtal - lithic bx Very similar to immed. prev. pumice bx but possibly more crystal-rich Felds - 15-25% each 0.5-2 mm w. 1 mm Minor lithics present - mostly cherty or silic. v. obs, some dark chlor alt (ex v. obs?) Breccia size difficult to estimate - prob sim to prev unit - some larger, definite pumices - 2-5 cm * <u>W58/17 424.25</u> f-pumice bx Prob CUC		
420		Fol sub tot CR						
430	low							
440								
450		Fol 22d CA						

DIAMOND DRILL LOG				LOCATION: WEST SEDGWICK			HOLE NO: W5008	
				AMG: E N			Page 11 of 13	
Mag. sus.	Structure	grainsize mm 1 1 2 2 8 64			ALT	RL: DIP: AZ:	Logged by: GBE	Date: 17/10/01
					Description			
500	low	w:fol -28/CA	^			Andesite (as prev)		
		60/CA	^		504.10	+ W58/18 503.20m typical & amyg. KRF Fault? 504.0-504.30m with assoc 2-5cm qtz-carb veins and ser/py → ser ipy alt		
		FAULT	^		ser/py M ser ± PY 506.0			
510	low	w:m fol 20/CA	^		512.0	508.5-512.5m, comm 1-2mm amyg. (qtz-carb)		
			^		M ser ± PY 514	Minor 0.2-0.5 cm qtz-carb veins in fol. and 2-3cm ? assoc. ab? 50/CA		
			^		517	minor qtz-carb veins 0.5-1cm, 40-50/CA		
			^		qtz/ab 517.5			
520			^		523.9	common 2-3mm qtz-carb filled amyg.?		
			^		M-S ser			
530			^					
540		543.6 20/CA	^			543.6-545m large qtz-carb vein ± assoc? ab alt (pink)		
		20/CA 545	^		45			
550			^					

DIAMOND DRILL LOG				LOCATION: WEST SEDGWICK		HOLE NO: W5008		
				AMG: E N				
Mag. sus.	Structure	grainsize mm				ALT	RL: DIP: AZ:	Page 13 of 13
		1/16	1/2	2	8		64	Description
600	(w)						amysidal Andrite (as pres)	
							Zones of 1-2.5 mm carb-qtz-filled amys common - as shown	
610	fsl 35/CA							
620	fsl 35/CA							
630	fsl 35-40/CA							
640	fsl 40/CA							
650								

614.0 m
 W58/19 618.0 m

andrite, red unalt?
 with carb-filled amys

M-S
 Ser/ chlor
 + py
 alt
 about

amys? to 2 cm

coarse amys? in 2 cm - than strong -
 1-2cm qtz-carb-py veins to EOK

→ 652.1
 EOK