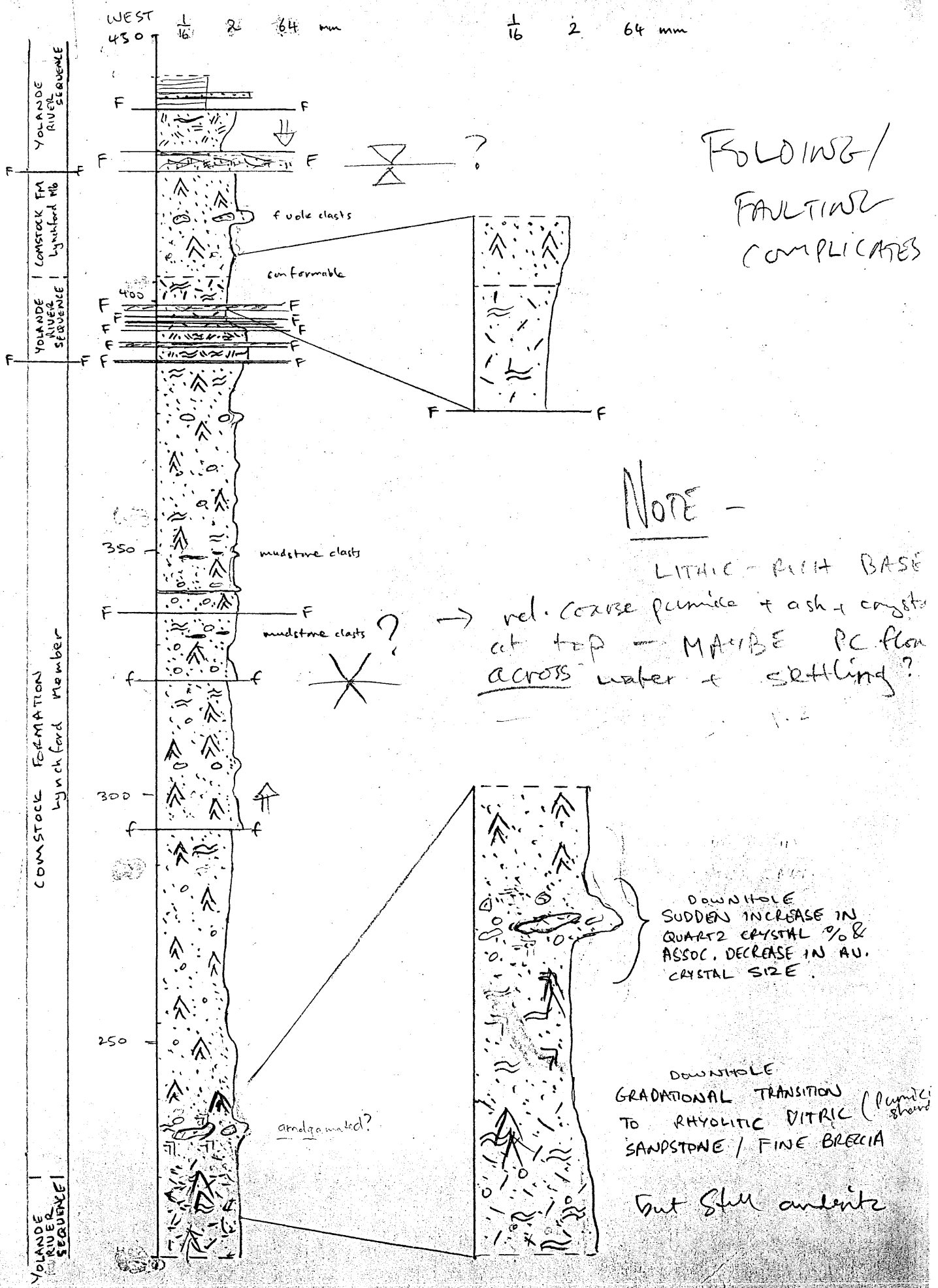
LYNCHFORD DDH LF01



FOLDING/ FAULTING COMPLICATES

NOTE -

LITHIC - RICH BASE

→ rel. coarse pumice + ash + crysts at top — MAYBE PC flow across water + settling?

DOWNHOLE SUDDEN INCREASE IN QUARTZ CRYSTAL % & ASSOC. DECREASE IN AV. CRYSTAL SIZE.

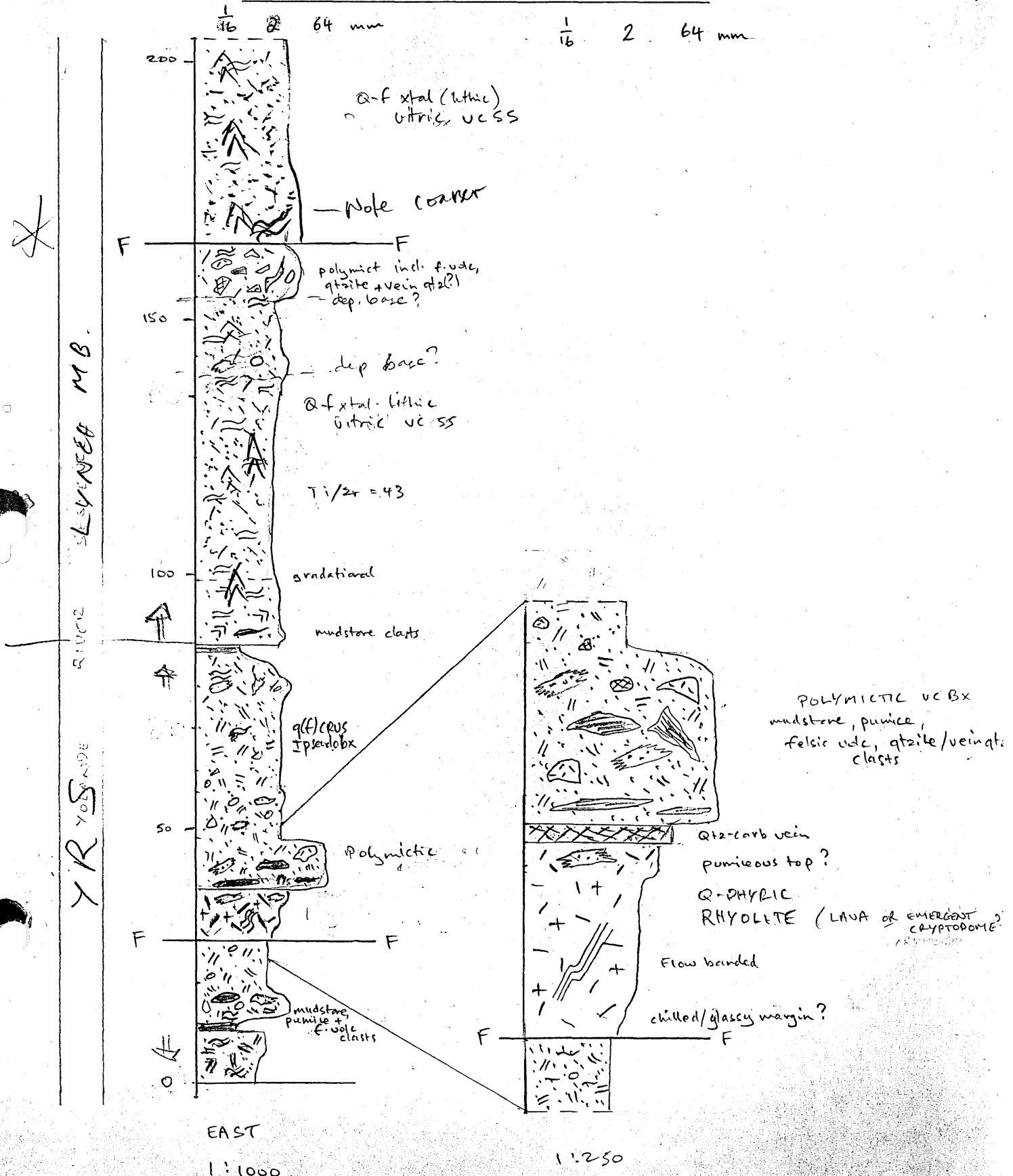
DOWNHOLE GRADATIONAL TRANSITION TO RHYOLITIC VITRIC (pumici shard SANDSTONE / FINE BRECCIA

But Still amalgamated

* ESTIMATED TRUE THICKNESS

Greg Edsworth, 2001

LYNCHFORD DDH LFO 1



SCALE 1:1000, 1:250

* ESTIMATED TRUE THICKNESS

Need new TS
131.80 +

* TS

DIAMOND DRILL LOG	**LOCATION:** LYNCHFORD **AMG:** E N	**HOLE NO:** LF01

Mag. sus.	Structure	grainsize mm (1/16, 1/2, 2, 8, 64)	ALT	Description (RL: DIP: AZ:)	Page 1 of 16 — Logged by: GBE — Date: 11/09/01

0

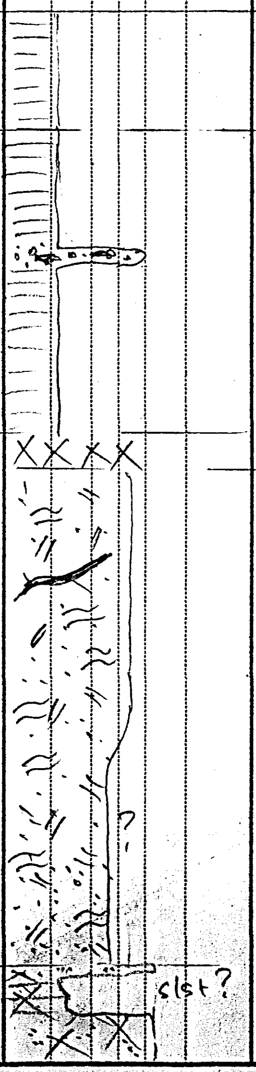
TRICONE

10

16.0m

~16.5m Haem. silic med. bx + cgl – Owen?

Mag. sus.	Structure	ALT	Description
low	So/S1? 15°/CA broken	20.2m	BLACK MUDSTONE – v.f. pyritic mudstone with strong cleavage + common late qz veins. Parts strongly oxidised to limonite.
low	So/S1? 12-15°/CA		Orange – cream, limonitic oxidised mudstone. Strongly cleaved. 25.0–25.5 Coarse gravel band – rounded qtz 2-4mm + shale clasts to 10mm.
	?°/CA FAULT?		30.0m. ~30.5m Broken/puggy zone.
? low	So/S1 20°/CA	M-S ab/h?	[LF1/01 31.0m] pum. bx, weathered. Brown-GREY PUMICEOUS QTZ-XTAL VC BX. Strongly oxidised/weathered but has abt (30-40%?) 1-2mm volc qtz in well foliated pumiceous? matrix. Minor 1-2 x 2-4 cm wispy chloritic clasts (after large pumices?). Fresher parts show definite pumice clasts forming bulk of rock (1-2cm) with mainly qtz + lesser felds. xtals, both 1-2mm (av). Lower part possibly more qtz+felds-xtal-rich, but still pumiceous, finer gnd? – or effect of fault ✓ [LF1/02 41.3m.]
	?°CA FAULT?		~47.0m. Strongly foliated zone in pum. vc bx – parts finer grd (shale?) but extremely broken. Minor 5-10cm qtz veins



20

30

40

50

DIAMOND DRILL LOG	LOCATION: LYNCH FORD	HOLE NO:
	AMG: E N	LF 01

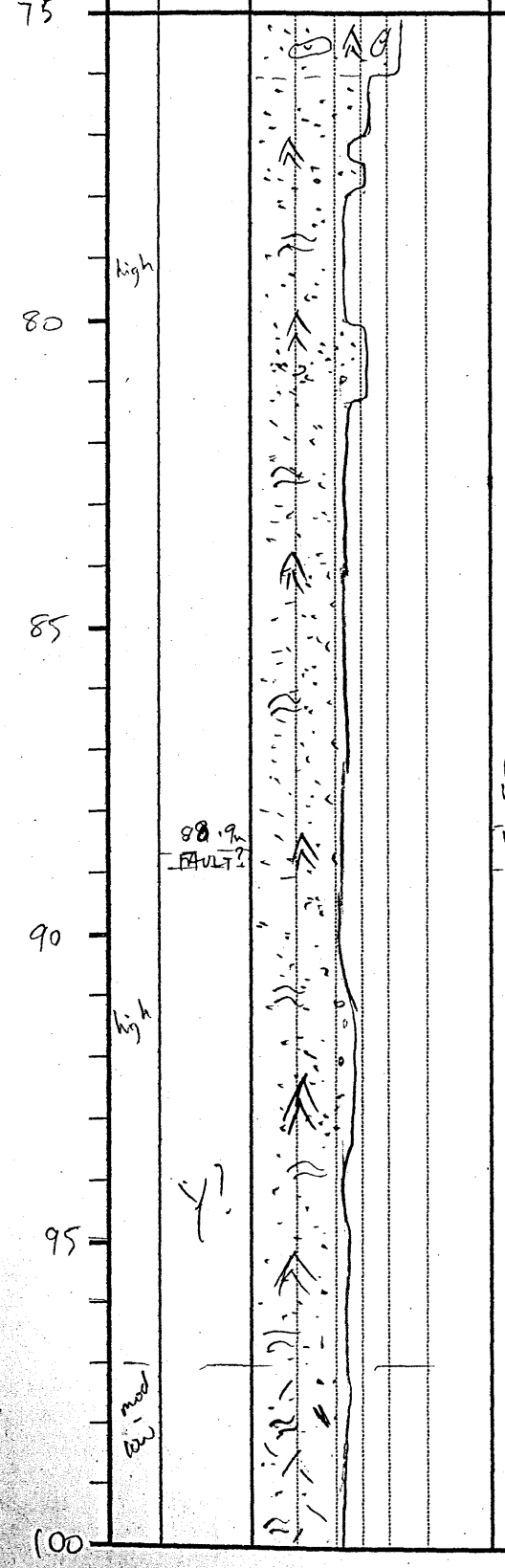
RL: DIP: AZ: Page 2 of 16

Logged by: GBE Date: 4/09/01

CHANGE SCALE

Mag. sus.	Structure	grainsize mm (1/16, 1/2, 2, 8, 64)	ALT	Description
	FAULT Fol. ~15/CA			As above – fault / broken 53.7m – base of oxidation 54.5m mod. broken, mainly CRVS?
mod-high	S1? 20-30/CA		ab/h →f chlr	ANDESITIC F-(q,mt) VITRIC CRVS Massive unit with weak S1?, comprising 40-50% ab/h alt, euh-subh, 1-2 mm felds xtals 5-10%? euh-subh, 1-2m qtz xtals minor subround – irreg, 0.5-1mm, mt in a greenish pumiceous? or rhyolite-rich, mod. chloritised, f. grd. matrix LF 1/103 – 56.6m vitric CRVS
mod-high			S.. ab/h	
				~72-76m minor q-f phyric felsic volc clasts – some with wispy margins (pumiceous?) most sub.ang – angular, 2-5cm. LF/104 72.5m CRVS & clasts.

DIAMOND DRILL LOG	LOCATION: AMG: E N	HOLE NO: LF01
	RL: DIP: AZ:	Page 3 of 16
	Description / Logged by: GBE	Date: 11/04/01



From ~76.0m, CRUS is finer grd and has a distinctly vitric matrix with shards + pumice. Mitter coarser grd. parts, with grad^{n} contacts, at first, then dominantly finer grd CRUS strong haem. alt in parts (assoc. with small fault?).

Still f(-g) xtal rich - andesitic

Slightly coarser grd ~ 91-94 m

appears to fine downhole slightly

~97m — conformable, gradational

RHYOLITIC?

Fine grd, vitric (pumiceous?) qtz xtal ± sl/st distinctly qtz phyric with 10-20% 0.5-1mm euh. qtz in a vitric (pumiceous/shard rich) matrix

HF1/05 100.0m

DIAMOND DRILL LOG	LOCATION: AMG: E N	HOLE NO: LF01
	RL: DIP: AZ:	Page 4 of 16
	Description	Logged by: CBE Date: 11/09/01

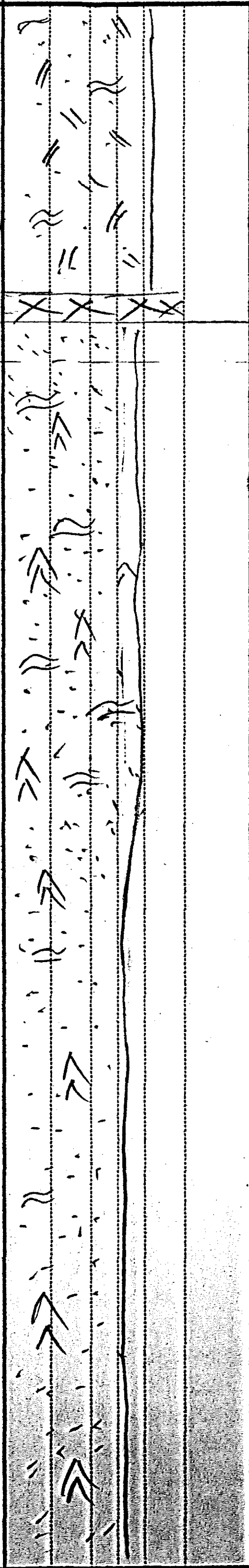
grainsize mm: 1/16 | 1/2 | 2 | 8 | 64

	Mag. sus.	Structure	ALT	Description
100	mod		101m	(PUMICEOUS?) VITRIC Q(F) VC SLST
			VS ab? haem alt	From ~101m the unit is pink/bleached looking with v. strong (ab?) haem. alt. + minor thin (2-3mm) haem-carb-qtz-py veins.
105	low			LF1/06 107.7m typical vitric slst
				SYNCLINE??
110		broken 20-30/CA		110.30m broken core.
	low	FAULT 30/CA	VS haem	FAULT with well developed wide gouge at top, then broken core, 2mes of core loss.
				112.70m sharp lower contact
		113.8 FAULT 114		strongly qtz/carb veined, 30/CA, for first 30cm
115		115 FAULT 116		(PUMICEOUS?) VITRIC Q(F) VC SLST-BX
	low	117.0 FAULT	vr ser.	cut by a series of brittle, muggy faults, gen. low/CA with v. broken core.
		118.3 FAULT		From ~114.m, the unit coarsens downhole with an increase in size + abundance of volc quartz + pumice clast size?
		119.0 FAULT 119.4		Felds. if present is not obvious.
		119.6 FAULT 120.1		Pumice clasts size difficult to est. as hor strong fol (S1) but prob. ~0.5-1 cm. Qtz 2-3 mm, anh.
120	low	S0/S1 25/CA	W-M ab/h +ser?	Minor large quartz clasts? or altered masses, 1-2 cm.
		123.85		Minor wispy, 2-3cm x 1-3mm chloritd pumices (?).
		FAULT 125.3		125.3m - L/C fault
125				

DIAMOND DRILL LOG	LOCATION: AMG: E N	HOLE NO: LFO1
RL:	DIP: AZ:	Page 5 of 16
Logged by: GBE		Date: 11/09/01

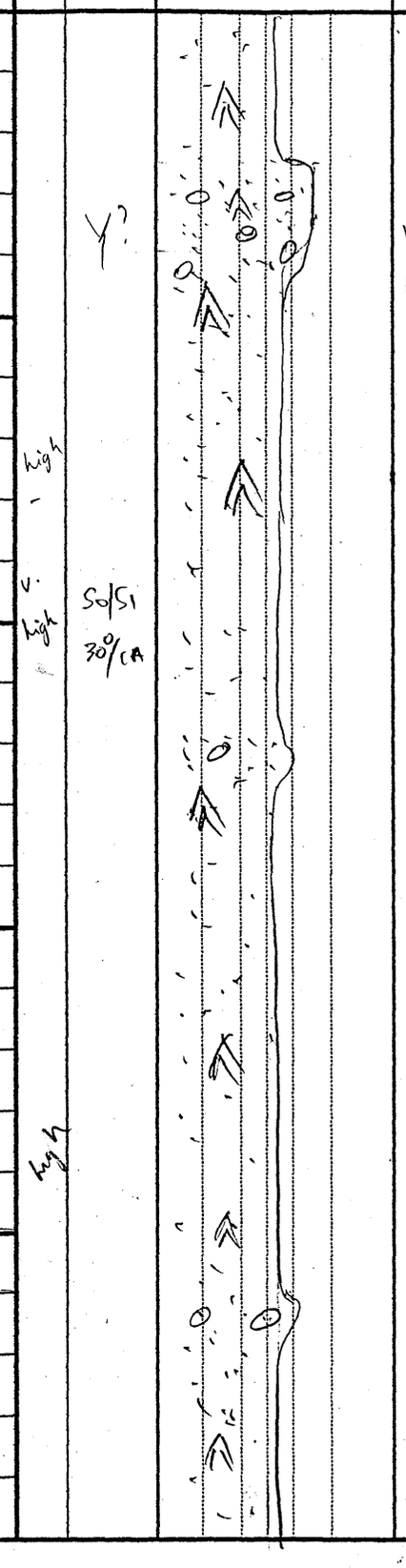
Depth	Mag. sus.	Structure	ALT	Description
125				Q - xtal PUMICEOUS VC BX
	low		W1 Ser.	* LF1/07 125.5m
		So?: 15/CA S1-25/CA		As above with abt coarse qtz xtals.
			S Silic/ carb	POSITION OF MAJOR THRUST?
		25/CA		129.7 - 130.0m
130		FAULT		130.0 FAULT - gouge
			S→M ab/h	130.7m base of bleaching ± carb-sil calt
			ab/h	ab/h alt decreasing grad. from contact
	high			LF1 08 131.50m.
			M Chlor	F (9) vitric CRUS - massive
		So?/S1? 40°/CA		- 30-40% 1-2mm, euh-s.hed felds, often ab/h alt.
				5-10% 0.5-1.5mm euh-sub. qtz
135		Y?		2-5% 0.5-1cm wispy dark chloritised pumices - So/S1?
			S ab/h	matrix is mod. chlor, vitric?
			S ab/h	v. rare lithics
140	high - v high			Only minor pumice clasts below ~140m
			M Chlor	matrix prob. still vitric and chlor alt.
145				
				END HQ 149.70m
150				

Grainsize mm: 1/16, 1/2, 2, 8, 64



DIAMOND DRILL LOG	LOCATION: AMG: E N	HOLE NO: LF01
	RL: DIP: AZ:	Page 6 of 16
	Description	Logged by: GBE Date: 11/9/01

CHANGE SCALE



~155-159.5 minor 0.5-1 cm red-pink, subround, q-f-pumpk & felsic volc lithics, total 2-5%, most 0.5-1cm, some parts abt 4-5mm

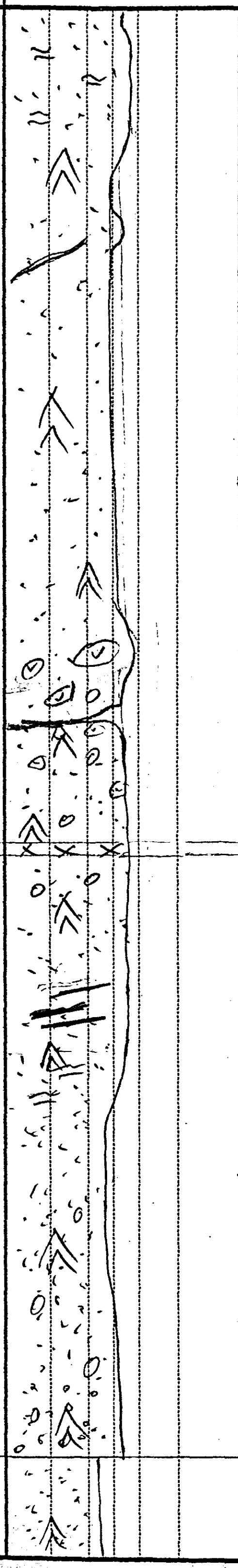
F(q) vitric crys, minor volc. lithics, med-coarse grad.

175-6 -3cm f-q-felsic lithic

192.5-192.9 minor red q-f pumph. lithics, most 0.5-1cm, one 3cm.

DIAMOND DRILL LOG	**LOCATION:** LYNCHFORD **AMG:** E N	**HOLE NO:** LF 01

Mag. sus.	Structure	grainsize mm 1/16 1/2 2 8 64	ALT	RL: DIP: AZ: Description	Logged by: GBE	Page 7 of 16 Date: 12/9/01



200

weak So/S1? ~30/CA

200.5 – 204.5 ~10% chlor. pumice, 0.2–0.5cm

high – v.high

~209 0.5cm mudstone? lamina/clast

So/S1 on MS ~25/CA

F-(q)(lithic) med–fine CRUS

210

220

220 – 230m – minor red-pink q-f-phyric felsic volc clasts – v. poorly sorted; max. clast ~5cm (s.ang) av. 1-2cm (s-round)

W-M ab/h

223.5m – 2cm black mudstone lamina or large clast?

55/CA

FAULT

227.22

227.35 PUGGY FAULT + qtz-carb veins

228

Minor q-f felsic volc lithics

230

Y?

qtz veins 50 to /CA

M ab/h

Common 1–3cm qtz-carb veins

232.4 – 232.6m – several 0.5–1cm mudstone? clasts?

233

high

weak So/S1 (m.s.) ~45°/CA

234–235.5m – 10% chlor pumice, 0.1–0.4cm

236

F-(q-)(lithic) med–coarse CRUS

240

M ab/h

Coarsens downhole

minor q-f felsic volc lithics (0.5-1cm, sub round – s-ang) th'out.

graded 45/CA

246.45 Probable sharp base – used by small fault

weak So/S1 ~45/CA

F-q- fine grnd CRUS

250

DIAMOND DRILL LOG	**LOCATION:** LYNCHFORD **AMG:** E N	**HOLE NO:** LF01

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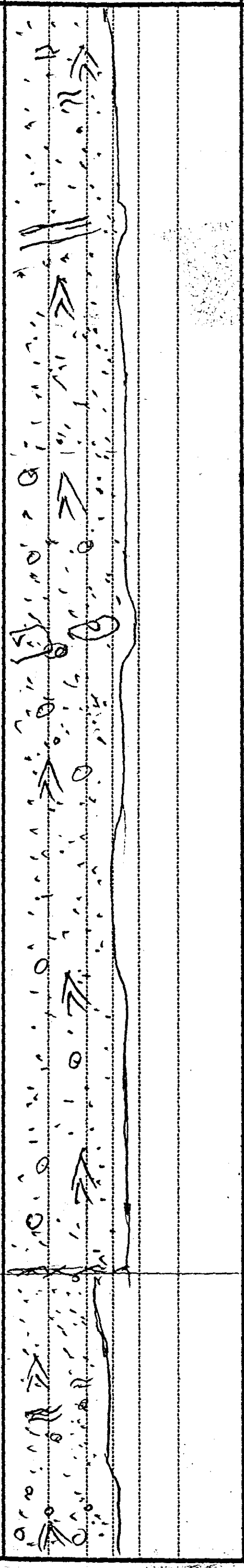
Mag. sus.	Structure	grainsize mm 1/16 1/2 2 8 64	ALT	Description	Logged by: GBE	Date: 12/9/01



250

high

W-M ab/h

minor ~5% 2-5mm pumice? after chlorite

S0/S1 mudstone? ~35°/CA

257.3 - 257.7 several 1-3cm, wispy bl. mudstone? laminae/clasts

260

coarsens downhole

M ab/h

~266.5 - ~276 m pink-red q-f porph, subround - s. ang felsic volc lithics common but still minor overall

270

270.4m - several large volc lithics to 6cm.

high
v. high

280

~280 - 290m minor f-q- felsic volc lithics most 0.5-1cm, s. round.

Strong q-carb veins to 3cm.

290

~40/CA?

291.20 - 291.25m small puggy fault

high

S0/S1? weak ~35°/CA

Minor ~5% 2-4mm chlorite wisps - after pumice?

Common 1-3cm q-carb veins

minor f-q-felsic lithics - most 5-10mm, s. round.

300

DIAMOND DRILL LOG	LOCATION: LYNCHFORD AMG: E N	HOLE NO: LF01

Mag. sus.	Structure	grainsize mm 1/16 1/2 2 8 64	ALT	RL: DIP: AZ: Description	Logged by: GBE	Page 9 of 16 Date: 12/9/01

300

minor – common fine (2–5mm) lithics

high – v.hi | mag.? 45/CA

301.60m – thin wispy mudstone? laminae

M-S patchy ab/h

minor 0.5–1 cm pink red f-q porph. felsic volc + lesser cream q-f phyric pumiceous-looking clasts

310

M chlor

F-(q)-(lithic) med CRVS

common lithics as prev – most 3–5mm – some 1–2cm.

high

320

S ab/h | MS. S0/S1 ~20/CA

wispy mudstone? clast? 320.75m

LF1/09 320.75 – wispy mudstone? – pumic? clast

M-S chlor

possibly finer gnd, but masked by chlor alt + minor lithics?

high

330

331m

331.7 – 333.0 strong 5–10cm q-carb-chlor veining

VS chlor

low

Strong chlor alt has destroyed mt → leucoxene? after mt/il?

339.9 – 353.5 V. strong q-carb-chlor veins + assoc. silicification. Veins 10–20cm + form bx zones. Silic. masks gnsize

Not ass c faults (number to 2m at 358.368)

340

341m

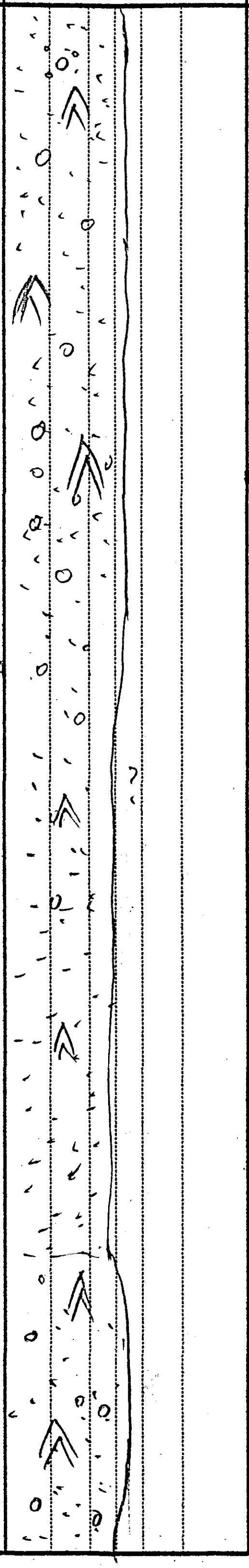
high

F-(q)-(lithic) med CRVS

Minor mainly fine (3–5mm) pink f-q volc lithics th'out

* 5–10% 0.5–1mm qtz

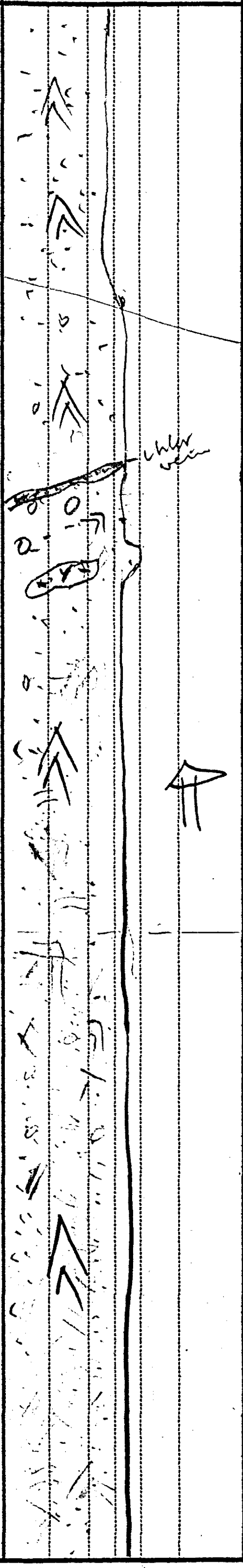
350



DIAMOND DRILL LOG	**LOCATION:** LYNCHFORD **AMG:** E N	**HOLE NO:** LF01

Mag. sus.	Structure	grainsize mm 1/16 1/2 2 8 64	ALT	RL: DIP: AZ: Description	Page 10 of 16 Logged by: GBE	Date: 12/09/01

350



Mag. sus.: high (~351–358 m); high (~366–368 m); low-mod (~382–386 m); low (~389–391 m)

Structure: Weak S0/S1 45-50/CA (~364–368 m); S0/S1 45/CA (~380 m); strong S0/S1 40/CA (~385–388 m)

ALT: M-S silic chlor? (350–357 m); m-s ab/h (~358–368 m); Str carb alt (~368–373 m); M chlor (~384–390 m); 390.3 S ser/h? 392.7

F-(q-)(lithic) CRVS

finer grained? - possibly silic/chlor alt masking coarser grainsize

Ti/Zr=40

∠1° 69 NB Common veins but no shearing or slicks on vein surfaces

*LF1/24 and CRVS? 364.0m

*LF1/25 366.0m CRVS — 5-15% Mod. sorted CRVS qtz in chlorite alt. pumice only

~358-368m m-s ab/h and common qtz-carb veins (2mm-2cm) with assoc. chlor. - 25cm carb. (chlor) vein at 365.5m. No slicks, if a fault, is healed.

15-20% qtz F-q-(lithic-) m-c grd CRVS — Pre-E clast? Note Pre-E clast

*LF1/26 369.8m (CRVS ± strong carb alt) mod. sorted — pink ~10%

from ~366m, common 2-5mm lithics, as prev. large pink f-q-porph. clast at 369m.

*LF1/27 373.5 — CRVS - 15-20 qtz Mod sorted

Abundance of qtz crystals increases significantly from ~366.5m with assoc. dec. in grainsize (+ inc in vitric component?)

*LF1/28 377.0 — Mod sorted CRVS ~20% qtz

~380m gradational

Difficult to pick first appearance of pumice? sst/bx somewhere b/n 380 + 390m

*LF1/29 380.5 f. slst c̄ qtz? — 10-20% qtz

F-q (lithic) vitric VGSS (or pumice bx?)

Green, well foliated, vitric, strongly qtz-phyric sst or bx(?) - clast size difficult to est. 5-10% qtz xtals, gen euh, 0.5-1mm, some 2-3mm.

Minor lithics as in overlying unit - most 2-5mm, rare below 389.m

*LF1/10 - 387.8m — f.q.f vc slst — 20-30% qtz

*LF1/30 385.20 f. bx or CRVS c̄ qtz? — 10-20% qtz

Ti/Zr=45

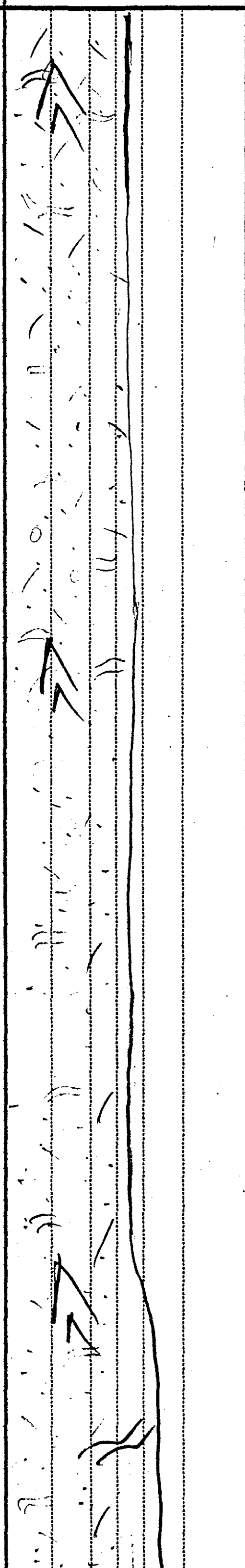
360 370 380 390 400

DIAMOND DRILL LOG	LOCATION: LYNCHFORD AMG: / E N	HOLE NO: LF01

RL:	DIP:	AZ:	Page 11 of 16
Description		Logged by: GBE	Date: 12/09/01

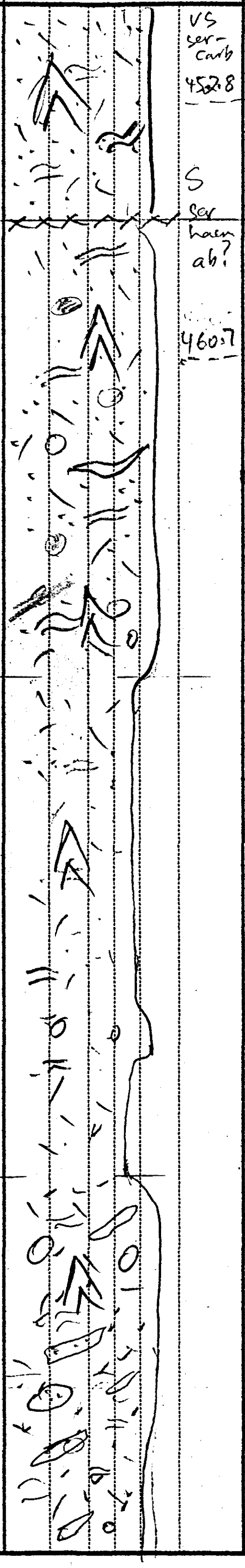
Depth	Mag. sus.	Structure	ALT	Description
400	low	Mod-strong So/S1 45°/CA		F9 vitric VCSS (or pumiceous bx?)
			Ma 5R / Str carb	rare 0.2–1 cm, white vein qtz or qtzite, rounded clasts, more common from 416–419 m.
410				
			416 / patchy ab? haem alt	
420			421	
	low	V. Strong S1 45°/CA	426.4 / M-S ser/carb	
430				
440	low		440 / VS ser-carb alt	~440.3 – 440.6 pink completely ser-carb altered part.
				Below 442m, distinctive wispy chloritic clasts (ex-pumice?) 2–30mm x 1-3mm totalling ~ 20-30%
450				

grainsize mm: 1/16, 1/2, 2, 8, 64



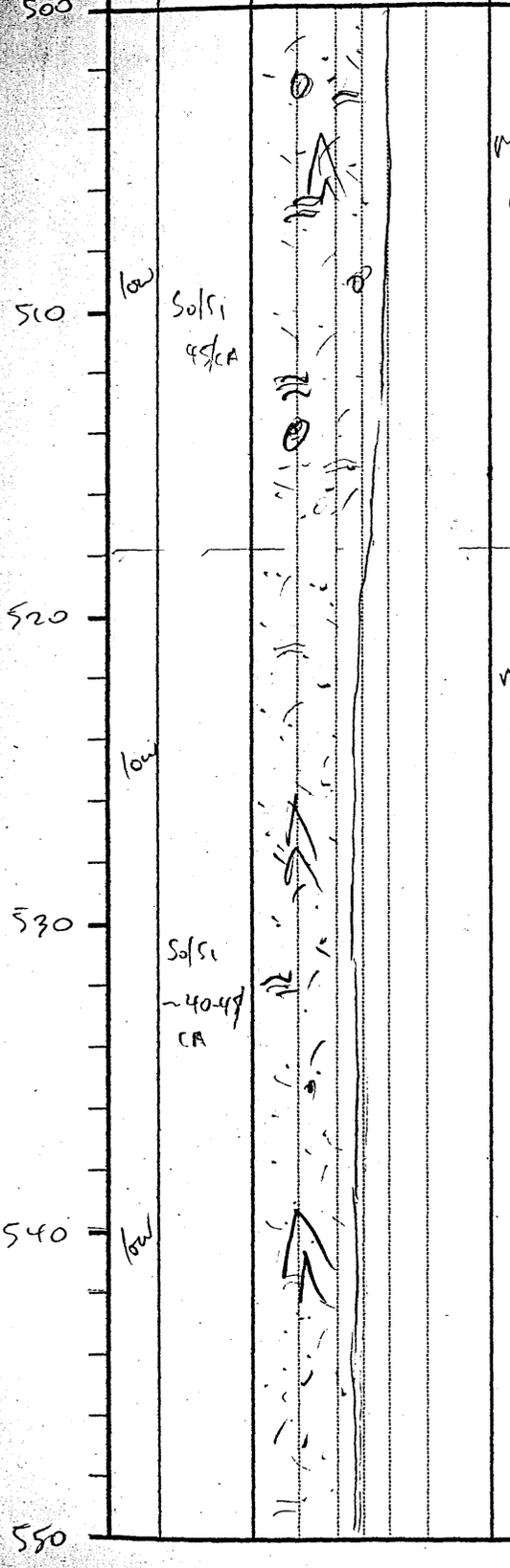
DIAMOND DRILL LOG	LOCATION: LYNCHFORD AMG: E N	HOLE NO: LF01

RL:	DIP:	AZ:	Page 12 of 16
Description	Logged by: GBE	Date: 12/09/0	

Mag. sus.	Structure	grainsize mm (1/16, 1/2, 2, 8, 64)	ALT	Description
low	50°/CA		VS ser-carb 452.8 S ser haem ab? 460.7	F-q vitric vc ss (pumiceous bx?) Prob same unite 457.2 – 457.4 Strong puggy fault
finer due to shearing low	Strong S1/S0? 45/CA		471.8	Q-(f) vitric vc polymict bx-cgl. As previously but with 5–10 % round-subang 0.5–3 cm, av. 1–2 cm lithics comprising – red q-f-phyric felsic volc – ~~[illegible]~~ – ~~v[illegible]~~ ? – f. qued chlor. alt c – S/St or v.f.s.s maybe q(f) vc ss – ~~q(f) vc ss~~ – pink q-pumiceous! Rel qtz ri Matrix: pumice? qtz xtals (0.5–3 mm) minor felds (1–2 mm) fine (2–3 mm) lithics MAFIC clast 471.8 * LF1/11 – 464 m gradational
low			S carb 475 VS ser	F-q vitric vc ss or pum. bx as prev., rare lithics ~482.5 – 484 minor lithics as prev. ~488 m gradation
			S ser/chlor	F-Q) lithic vitric vc bx-cgl rel. lithic rich part of prev. lithol – clasts dom. white – creamy soft pumice? or alt sed? Most clast 1–3 cm, ave ~1.5 cm some to 5 cm, esp. q-f porphy felds volc clasts less clasts towards base

Depth scale: 450, 460, 470, 480, 490, 500

DIAMOND DRILL LOG	LOCATION: LYNCHFORD	HOLE NO: LF01
	AMG: E N	
	RL: DIP: AZ:	Page 13 of 16
	Description	Logged by: GBE Date: 12/09/01



ALT

M-S chlor

M-S chlor

Q(f) (lithic) vitric vc SS or bx? (pumiceous)

As above but only minor 1-2cm pink felsic volc. clasts

~518.00 gradational

Q (f?) vitric vc ss - s/st

10-30% subh, 0.5-2 mm qtz xtals in a vitric, chloritised groundmass

- minor 2-5mm wispy dark chloritised pumices.
- Strongly chloritised - destroys fabric → appearance of finer grainsize

533.6m, 534.5m } 4cm strong 2cm q-carb veins,

LF1/12 540.85m - vitric vc ss, minor pumice/lithics

Ti/Zr = 43

DIAMOND DRILL LOG	**LOCATION:** LYNCHFORD	**HOLE NO:** LF01
	AMG: E N	
	RL: DIP: AZ:	Page 14 of 16
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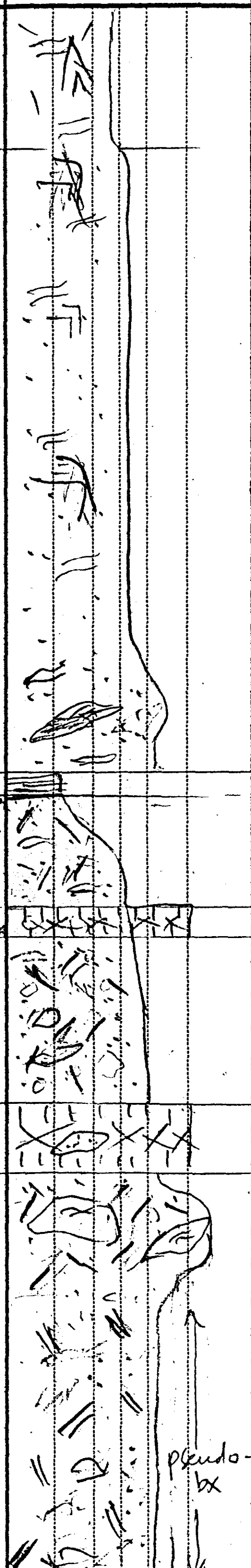


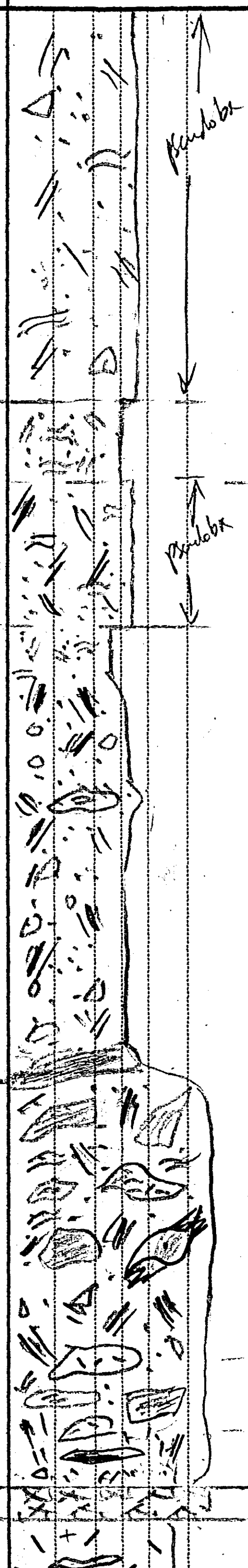
Depth	Mag. sus.	Structure	ALT	Description
550	mod		VS chlor	Q-(f)-vitric vc ss-slst as above but v. strong chlor has most destroyed fabric - gradation 554.5m
	low / mod	weak S0/S1 ~40°/CA		F-q (vitric) dacitic CRUS - recognizable from ~554m and forms less altered zones up to 0.5m long - matrix still vitric / pumiceous - appears to have minor 1-2mm ferromags (pyx?) [LF1 / 13 561.8m] f-q pyx? CRUS
560	mod		563 w-mod 564.5	minor red f-q porphy volc lithics - 2-4mm felds - 1-2mm - eu-subhed, ~ 30-40% qtz - 1-2m, minor 3mm, euh, ~ 5-10%
	low		M-S chlor	570m - 300mm qtz carb vein - Several 0.5-1cm qtz-carb veins
570		↑? S0 48°/CA		573.05 - 10x5cm mudstone clast, 2cm clast 30cm above contact 574.13m sharp base
		S1 ~40°/CA		sharp [LF1 / 14 574.13] contact
	low	↑ facing? ↓ 40/CA	M-S chlor	Thin mudstone in sharp contact with q (f?) lithic vitric vc ss (or bx) as prev (eg 520m) 10-30% 0.5-1mm qtz xtals 578.65
		35-40°/CA		579.5 Qtz-carb. vein, massive & stylolitic chlorite vein
580			M chlor	Lithic - q-xtal-vitric bx as above but with 1-5% cream, angular, 1-3cm ser. clasts and 2-5% rounded, 0.5-1cm poly xt. qtz or qtzite clasts 585.30m
			S. carb ser	Qtz-carb vein, massive - bx, ser. alt. CRUS patches 587.10m
590	low		M-S ser + chlor 591.4 VS ser-(chlor)	Polymict? lithic - q (f?) pumice bx 50-60% 1-10cm, angular - s ang, poorly sorted, ser alt, cream, q-phyric pumiceous clasts, minor 1-2cm red q-f porph fels. volc, in a q-(f?) xtal - vitric matrix. (~5-20% 1-2mm qtz) [LF1/15 587.7m] pumice bx From 590.0 - 591.4 - unit finer grnd, then v. strong ser-chlor alt → pseudobx. with dark ragged remnant patches of v. coarsely (3-5mm) qtz - xtal rich vitric grainstone - bx? rare cream pumiceous clasts [LF1/16 597.30] as prev.
600				

5-10% qtz

base Fe

DIAMOND DRILL LOG

DIAMOND DRILL LOG	**LOCATION:** LYNCHFORD **AMG:** E N	**HOLE NO:** LF01
	RL: DIP: AZ:	Page 15 of 16
	Description / Logged by:	Date: 17/09/01



Depth	Mag. sus.	Structure	ALT	Description
600–612.45	low	Fol/S1 70°/CA	US Ser (chl)	pseudobx in Q-vitric grainstone/bx as above – rare pumiceous clasts, 1–2 cm. Parts have coarse qtz xtals – others finer + more like CRUS
612.45–614.90	weak	? fissure		Q-vitric CRUS – 20-30% 1-2 + minor 3 mm q xtals in vitric matrix – part replaced by pseudo bx
614.90–619.30	low	Fol/S1 ~70°/CA		pseudobx as prev. LF1/17 618.40. pseudobx replaces qtz-CRUS sharp
619.30–646.6	low-mod	S1? 45/CA; Spray fault 60/CA; 45/CA	642.9 Scarb 645.1	Sharp alt. contact to CRUS. Q-(leucoxene? alt min) vitric? CRUS – bx. Med sorted CRUS with 30-40% 1-2 mm, some 3 mm, euh. qtz xtals, minor ~2% tabular leucoxene-alt mins (ex oxides?); in a fine chloritic/vitric? matrix. Grades down hole to med bx of cream-grey, subang-subround, 2 mm–3 cm, av. 5 mm, alt clasts ± some pumiceous totalling ~10-20%, in q-CRUS matrix, minor polyqtz-qtzite, rounded, 2-4 mm? – 2-4 cm pumiceous clasts at 625-625.3. From ~633 m, 10-20% 2-25 cm, av. 5-10 cm mudstone clasts + minor 5-10 cm q-porph felsic volc + pumiceous clasts form POLYMICT BX. LF1/18 634.40 bx. Strong sheared carb/chlorite, clastic looking alt zone LF1/19 624.30 m 642.9–645.1 m. Just above vein, f grd. vitric mudstone? IB or clasts
646.6–647.9		30/CA		Qtz-carb vein – bx at top, then massive
647.9–650				Minor ragged pumiceous clasts? suggests partly pumiceous. See below. LF1/20 649.4 m [illegible]

Note, melt inclusion in q porph.

DIAMOND DRILL LOG	LOCATION: LYNCHFORD AMG: E N	HOLE NO: LF01

Mag. sus.	Structure	grainsize mm 1/16 1/2 2 8 64	ALT	RL: DIP: AZ: Description	Page 16 of 16 Logged by: GBE	Date: 13/09/01
mod	S1? ~50/CA W. FB in part?		M-S hem	**Coarse quartz-phyric rhyolite porphyry.** 2-5%, euh, 2-4 mm qtz phenos c common melt inclusions, NB minor chlorite alt ferromag? in a v.f.grd, hem, flowbanded in part grd mass * LF1/21 657.0m sel. small undeform q-porphyry 660.8m finer grd -> base - chilled margin?		
	FAULT 60/CA					
low			M-S chlor 666.75 3 carb 667.5	**Q-(f)-vitric vc ss-slst** 10-20% 1-2mm + minor 3mm euh, qtz xtal, minor 1-3mm felds in a chloritic vitric-looking matrix carb alt as at 642.9m Only minor grey-cream vf grd alt, 1-2cm subround clasts (some pumice?) to ~671m ~671m		
low	S0/S1 => faces ↓ or overturned?		M-S chlor 676.9 VS carb 678.8 'bleached' q-carb veins	**Polymict Q-(f) vitric lithic vc bx** As above with ~10-20% grey-pink clasts including def q-pumice, some mudstone, matrix poss more felds-rich. 674 - 676.5 several 2-10cm laminated mudstone clasts Then unit appears to fine downhole through vitric vcss with no clasts to a laminated mudstone at its base 681.3m - sharp, erosional? LF1/22 681.3		
	65/CA (S0)					
low	S1? ~60/CA		S chlor M-S chlor	**Q-f-vitric? rhyolitic CRVS** 20-30% 0.5-1mm, minor 2-3mm, euh qtz 5-10%? poss more 1-2mm felds in chloritised vitric matrix. Felds less distinct -> EOH LF1/23 690.05m q-f-vitric CRVS		
			S chlor	697.0m EOH		

Depth scale: 650, 660, 670, 680, 690, 700