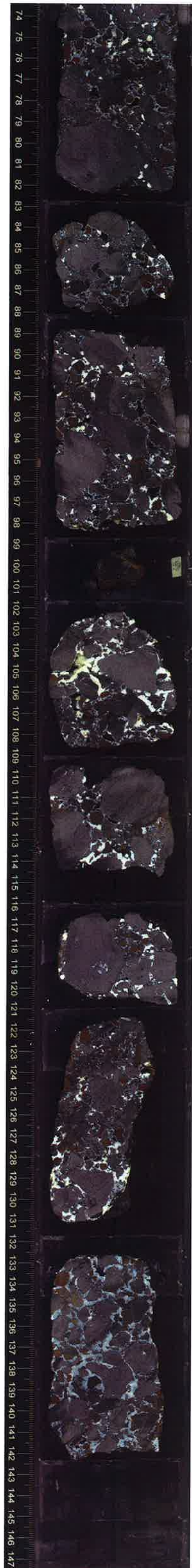


Unit (105)  
(continued)  
as for section 2



59-62 cm vol 0.1mm  
irregular

Unit (105)

as for section 2

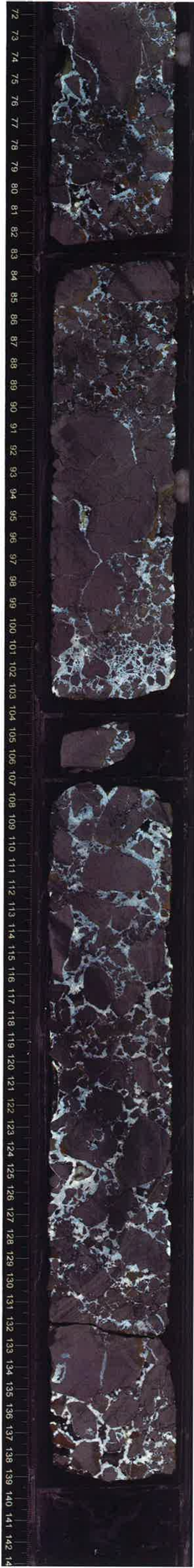


29-37cm vein n=? 0.1mm irregular (partially around rim & clast)

38-41cm vein n=3 0.1mm irregular

42-46cm vein n=5 irregular 0.1mm

53cm vein 0.3mm irregular



71-76cm vein n=5 0.1mm irregular

91-99cm vein network max 5mm avg 1mm irregular n=10

107.5-110cm vein 1mm irregular

120-121cm vein 0.5mm in clast

133-135cm vein straight 2mm

Umr (105)  
(Continued)  
as for section 2



38-39cm vein 0.3mm curved

56-59cm vein 1.5mm curved

77-79cm vein 0.5mm irregular

94-105cm vein about n=20  
5mm max 2mm avg

126.5-127cm vein 0.5mm in clust  
straight

141-142cm vein 0.5mm straight in clust

Unit (105)

as for section 2

except for

color

with brown-black-beige

one vesicular

clast at 45cm

Vesicular clast



1-9cm vein network stepped n=8 0.3mm

18-20cm vein 2-1mm irregular branched

32-34cm vein 1.5-1mm curved branched

36-40cm vein n=5 max 2mm ag 1mm irregular



92-94 cm vein network n=4 0.5mm irregular

Unit (105)

(Continued)

As for section 2

below 10 cm  $\uparrow$  10 cm

Colour:  $\downarrow$   
mottled green -  
black - beige

increase in  
vesicularities from  
10 cm

all clasts  
vesicular below 10 cm

20% vesicles  
moderate sphericity  
rounded

1 mm max

0.5 mm modal

100/cm<sup>2</sup>

5% filled

Some clasts  
are frothy glass  
glass moderately  
altered.



13-17cm fracture  
straight 50-110°

20.5-21.5cm vein 0.2mm inclur

25-26cm vein 0.5mm  
branched irregular

100-105cm fracture straight 85-285°

104-105cm fracture straight 85-255°

UNIT (105)

(Continued)

Volcaniclastic breccia

Mottled green  
- light gray

Modal 5 mm  
low sphericity  
angular  
poorly sorted  
clasts up to 7 cm

Clasts

aphyric basalt  
no phenocrysts

light gray to  
dark gray.  
glassy  
highly vesicular

Some clasts  
up to 70%  
vesicles.

(fresh)  
average 50% vesicles  
max 1 mm  
modal 0.5 mm  
100/cm<sup>2</sup>  
high sphericity  
rounded

glass pervasively  
altered  
but some fresh



UNIT (106)

see section 2

highly altered fragments  
no dark matrix,  
some of which is  
fresh glass

128-135  
clotted matrix, clasts  
82 → 052  
129-136 vesicle band  
69 → 050

134 cm

Margin of  
inclines (45°)  
intrusive sheet

pieces 22 ↓  
missing from scan.  
Small pieces of breccia out of place

Unit (106)  
(continued)

Aphyric  
basalt

inclined (45°)  
intrusive sheet  
ca. 60 cm wide

fine grains  
(0.2 mm)  
no phenocrysts

greenish dark  
gray.

2-10%  
vesicles

1 mm max  
0.2 mm modal  
100/cm<sup>2</sup>  
moderate spherulites  
rounded  
0.1% filled



0-80  
baults of vesicles,  
magnesian foliatr.  
82 → 036

2-2 fracture, curved  
86 → 191

6-7 fracture, straight  
85 → 220

57-58 fracture,  
straight 80 → 160  
60-61 fracture,  
80 → 189



69-70 vein, mag.  
80 → 323  
68-70 fracture straight  
60 → 040  
69-72 vein, mag.  
73-81 chilled margin  
80 → 219

80 cm

Margin of  
inclined sheet

Unit (107)  
Volcaniclastic breccia  
Same as  
Unit (105)

Unit (107)  
(Continued)

as section



21-24 Fracture  
straight, 82-095

19-19 Fracture, straight  
81-174  
21-21 Fracture, straight  
80-170





Unit (107)  
(Continued)  
as section 1



81-90 dyalut  
86 -> 200

15 mm thick  
intensive sheet.

Unit (107)  
(Continued)  
as section 1



0-12 fracture,  
straight 80 -> 270

11-20 fracture, straight  
85 -> 276

22-27 fracture,  
80 -> 276

46-56 fracture, straight  
90 -> 271

53-53 fracture,  
straight  
82 -> 197

57-66  
fracture straight  
82 -> 088



72-76  
fracture, straight  
72 -> 2092

UNIT 107

330-U1374A-56R-1-A\_SHL 817281\_20110118113524

1-7a  
0-118.5  
Same as  
before.

MOTTLED  
GREEN-GRAY

moderately  
altered  
clast in  
glass-rich  
matrix.  
Some glass  
in clast  
(see 2-6)

119-124  
vein whly,  
h=13, mag,  
in clast

125-130  
vein sh=1,  
stepped in  
clast



FIRST APPEARANCE  
OF PHYRIC CLASTS.

UNIT 108  
118.5-

7a-7b.

PREDOMINANTLY  
SPARSELY PHYRIC

1% PLAG  
3UM MAX, 1.5MM MOD  
SUBHORIZONTAL, FRESH.

0.5% OLIVINE  
SUBHORIZONTAL, COMPLETELY  
ALT -> SMECTITE.  
2UM MAX, 1MM MOD.

0.5% PYROXENE  
SUBHORIZONTAL, FRESH  
4UM MAX, 2UM MOD.

\*CLASTS HAVE  
VARIABLE PHENOCRYST  
POPULATION S. SOME

APHYRIC, SOME MODERATELY PLAGIOCLASE-  
PHYRIC, SOME WITHOUT OLIVINE-

UNIT 128

1a - 4

330-U1374A-56R-2-A\_SHLF-2817311\_20110118114140

MOTTLED  
GREEN-GRAY  
FINE GRAINED 0.1  
PERVASIVELY  
ALTERED.  
SPARSELY PHYRIC  
BRECCIATED.

90%  
VOLCANIC CRESTS.

5MM  
LOW  
ANGULAR  
POOR.

VESICLES

50% VESICLES  
IN AVERAGE  
HIGH SPH.  
ROUNDED.  
1MM MAX  
0.5MM MIN

SOME CRESTS UP TO  
70%.  
(SMALL, FROTHY CRESTS)

High  
vesicularity

69-70  
vesicle band, strongly  
->197

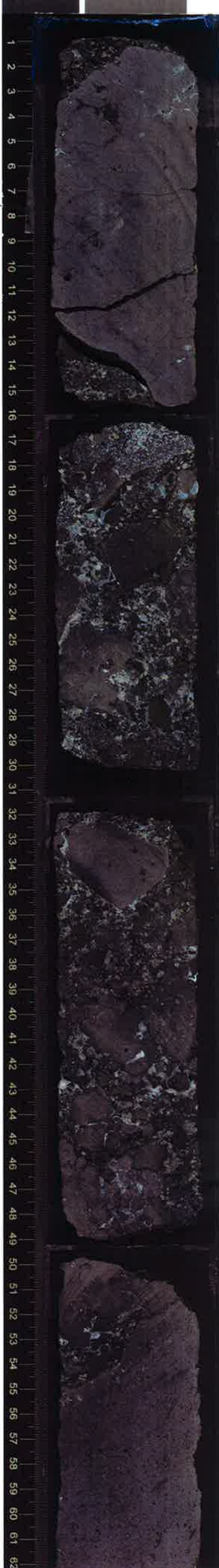


UNIT 38

1 - 4b

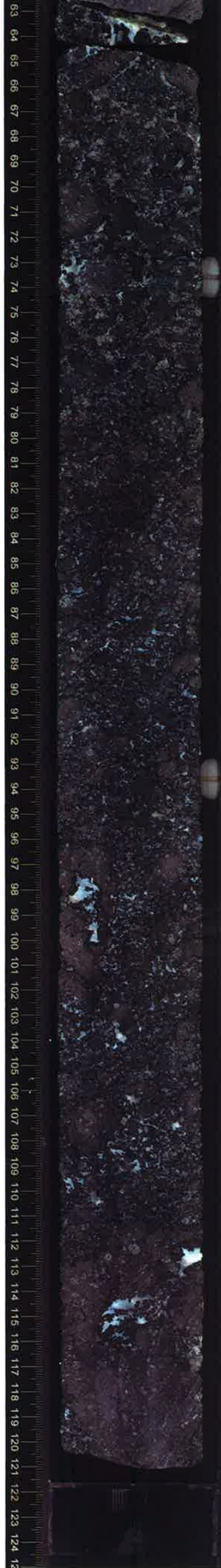
330-U1374A-56R-4-A\_SHLF2817371\_20110118115132

ANOMALY →  
SPARSELY-AMYRIC  
CAST.



10-12 vein, straight  
in clast?  
33 → 156  
1-13 vein cleft  
u=4, down, in clast

38-41  
vein network, well,  
irreg. in clast



38-41  
vein network

UNIT 08

1-2b



15-20 vein widths,  
irreg. in clast

56-60  
vein network,  $n=6$ ,  
irreg. in clast



98-101 vein network,  
irreg. in clast

112-114  
vein network,  $n=6$ , irreg.  
in clast

1 - 6b



28-30  
vein calc., irreg., in  
clast

43-51  
vein calc., irreg., in  
clast

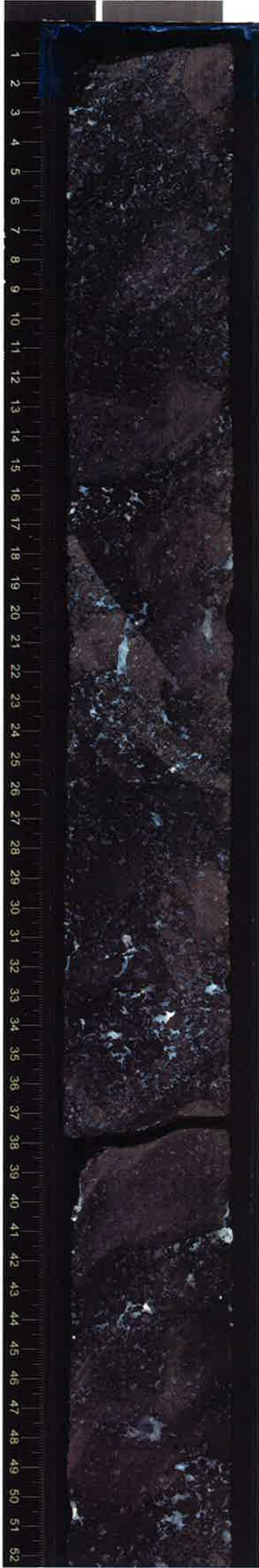


97-98  
vein, irreg., in clast

UNIT 108

1a-2

330-U1374A-56R-6-A\_SHLF2817431\_20110118115858



19-22 vein,  
straight, sharp dip

22-41  
vein network, with  
irreg. in clast

46-48 vein network,  
irreg. in clast

