330-U1372A-28R-1-A_SHLF2714711_20101228135435

UNIT 67 0-25.5cm

P.1-4

NOT RECOVERED BOUNDARY

LARGE CLAST OF VESICULAR APHYRIC BASALT, 4.5 cm

CHILLED GLASSY MARGIN

APHYRIC BASALT

0% PHENOCRYSTS (MINOR PLAG LATHS ~0.3 mm)

MOTTLED GREEN - BLACK - BROWN - GREY

FRESH GLASS FRAGMENTS THROUGHOUT A MODERATELY ALTERED GROUNDMASS.

CLASTS

FINE - GRAINED 0.1mm

APHYRIC

VESICULAR, 15%, ROUNDED, HIGH SPH, 14mm MAX

0.5mm MOD.

VOLCANIC ATTRIBUTES:

VOLCANIC CLASTS

50% 5mm MOD.

LOW SPHER. SUBROUNDED.

POORLY SORTED.

25.5

UNIT 68 25.5cm - 44

CHILLED GLASSY MARGIN

STRUCTURE

P.4

APHYRIC BASALT

PIPE VESICLES. WAY-UP FEATURE

FELSPAR LATHS IN GROUNDMASS MESH

MED GRAY

FINE - GRAINED 0.1mm

VESICLES

10% ELONGATE ROUNDED

21mm MAX

2mm MOD.

CONTACT NOT RECOVERED

44

UNIT 69

P.5 – 6

44-130cm THROUGH TO END OF CORE

NOT RECOVERED.

PHENOCRYSTS IN CLASTS

0%

BASALT BRECCIA WITH APHYRIC BASALT CLASTS.

MOTTLED BLACK - GREEN - BROWN - BLUE

FRESH GLASS THROUGHOUT

APHYRIC

GRAIN-SUPPORTED.

VOLCANIC ATTRIBUTES.

VOLCANIC CLASTS

75% PARTICLES.

8mm.

LOW SPH.

SUB ROUNDED.

POORLY SORTED.

SOME LARGER CLASTS ~45mm.

CROSSES CORE. FLUIDAL MARGINS.

DRILLING RUBBLE

6-8 irregular, single vein, steep dip

8-10 pipe vesicle

highly altered clast

black glass - not matrix - moderately altered

WAY UP FEATURE

FLUIDAL CONTACT WITH DIAPIRS INTRUDING INTO GROUNDMASS HOT EMPLACEMENT

27-30 vesicles → 216

FLOWIN INTRUSION INTO HYALOCLASTITE? OR CLAST?

moderately altered clast

35-37 aligned vesicles, 131°

calcite + zeolites in vesicles

41-43 chilled glassy contact

FRESH GLASSY MARGIN.

VESICLES IN CLASTS

15%

LOW SPH.

ROUNDED

4mm MAX

1mm MOD.

Banded grey moderately altered clasts in glassy matrix

69-71 single vein, steep dip

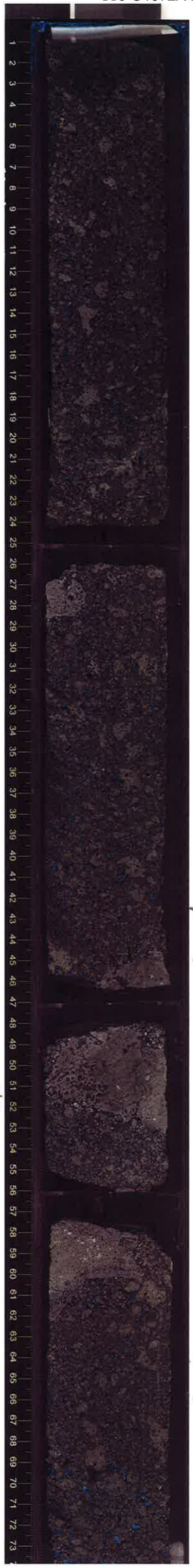
82-86 vesicle band ~210°

Grayish blue lining in vesicles, chilling?

330-U1372A-28R-2-A_SHLF2714741_20101228172318

UNIT 69

1-6



FLUIDAL TEXTURES COMMON ON CLASTS.

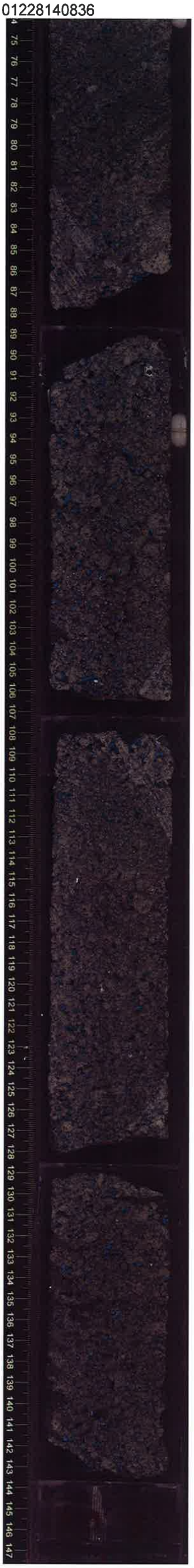
gneous contact
80->012

100-102 vein veinlet irreg./ con- oriented

Alteration zone at section

330-U1372A-28R-3-A_SHLF2714771_20101228140836

UNIT 69
1-5

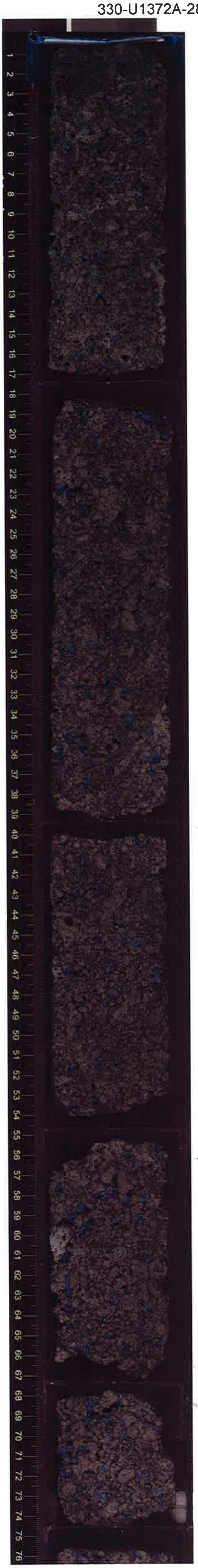


Alteration
same as
Section 1

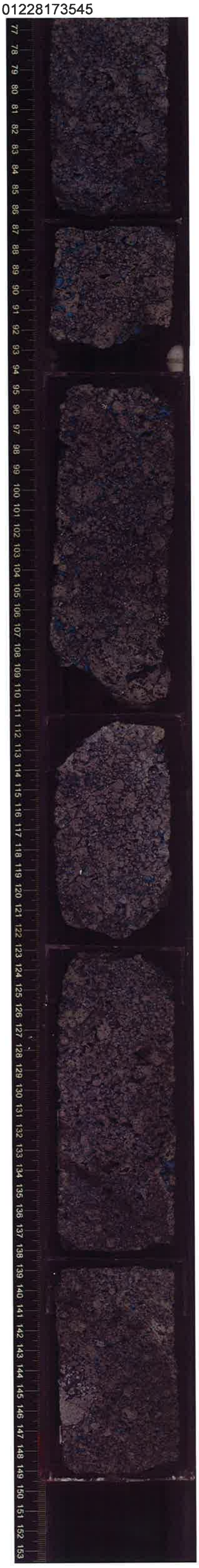
330-U1372A-28R-4-A_SHLF2714801_20101228173545

UNIT 69

1 - 11



- TG-61 band of vesicles, > 110"



Alteration same as section 1

← NOT RECOVERED OR NOT END OF UNIT