330-U1374A-57R-1-A_SHL 318191_20110118144437

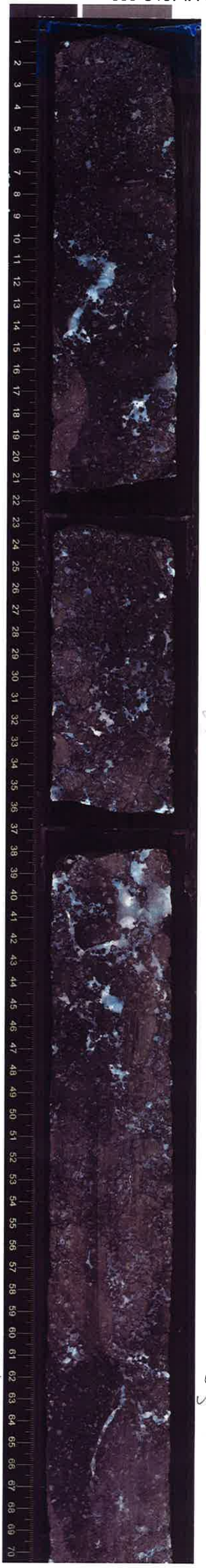
UNIT 108

Cont'd

Same as before.

Piece 1 – 3

UNIT 108 IS BRECCIA SHOT THROUGH WITH INTRUSIONS OF DIFFERENT COMPOSITION.



75-80
vein, calcite, irreg, sloped

15-16
vein, irreg. to sloped

16-19
vein, sigmoidal

84-97
vein, curved, steep dip

82-83
vein, calc., max 1mm, wide 0.1cm irreg.)

97-105
vein, calc., irreg.

119-121
vein, calc., a=4, irreg.

62-66
vein, straight branching, steep dip

TRANSITION TO MORE MASSIVE MATERIAL

UNIT 109

Piece 3 – 5
62 – 138 cm.

ISC1 1

BASALT LAVA LOBE?

4% PLAG
SUBHEDRAL
FRESH
5MM MAX
2MM MOD

0% PYROXENE

0% OLIVINE

MODERATELY PLAGIOCLASE - PHYRIC.

MEDIUM GRAY WITH WHITE PATCHES

APHANITIC

MOD. PHYRIC

BRECCIATED TOP & BOTTOM.

VESICLES FOR WHOLE CORE
3%
25MM MAX
1MM MOD.
ELONGATE ROUNDED.

NO LONGER FROTHY CLASTS.

END OF MASSIVE MATERIAL BECOMES BRECCIATED

330-U1374A-57R-2-A_SHL⁻?818221_20110118145303

UNIT 110

0 - 38

Piece 1

VOLCANICLASTIC BRECCIA.

LAVA FRAGMENTS NOT RECOVERED.

1% PLAG

SUB. FRESH

3 / 1.5 MM

SPARSELY PLAG-PHYRIC BASALT BRECCIA.

MOTTLED GRAY-WHITE

APHANITIC

85% VOLCANIC CLASTS

3MM

MODERATE, SUBANGULAR

MODERATELY SORTED

TRANSITION TO MORE MASSIVE

UNIT 111

38 - 82

Piece 1a-1b.

ISCI 1

4% PLAG

SUB, FRESH

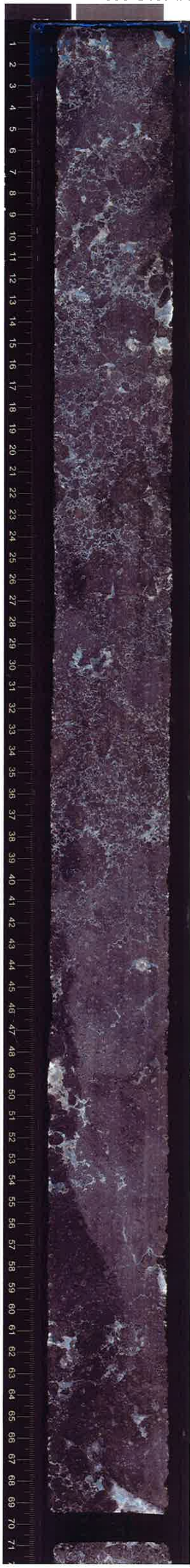
4 / 2 mm

MOTTLED GRAY-WHITE

APHANITIC

MODERATELY-PHYRIC

MODERATELY PLAGIOCLASE-PHYRIC BASALT



BECOMES BRECCIATED

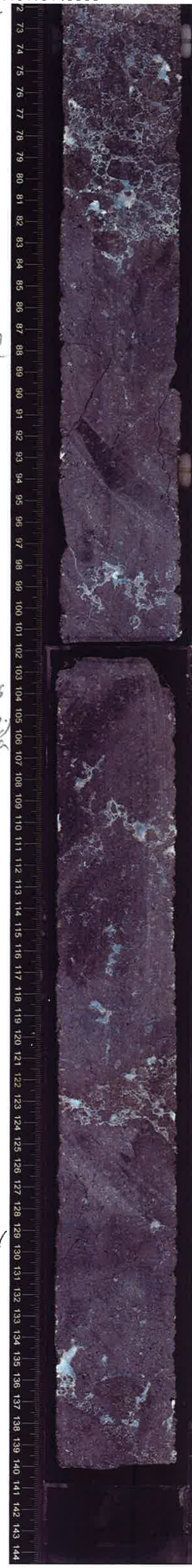
83-100 vein netw., irregular

103-106 vein netw., irregular

moderate alteration w/ some fresh glass (same for 57R 3,4,5,6,7,8)

48-52 vein netw. irreg.

56-58 vein, sigmoidal



TRANSITION FROM BRECCIATED TO MASSIVE MATERIAL

UNIT 112

82 - 15cm on 57R3.

ISCI 1

Piece 1b-2

4% PLAG

SUB, FRESH

5 / 2mm

GRAY

APHANITIC

BRECCIATED BOTTOM

MODERATELY-PHYRIC

1

UNIT 112

1a.

TRANSITION TO BRECCIA →

UNIT 113

15 - Bottom of Section 8

Piece 1a - 2

4% PLAG

5mm/2M

SUB. FRESH.

MODERATELY PLAGIOCLASE "PHYRIC BASALT BRECCIA

0.5% OLIVINE

SUBHEDRAL

COMPLETELY ALT → BLACK CLAY

MAX 1.5 MM

MOD 1MM

MOTTLED GRAY - GREEN - WHITE

MODERATELY - PHYRIC"

APHANITIC

85% VOLCANIC CLASTS

5mm max

POORLY SORTED.

moderate

Subangular.

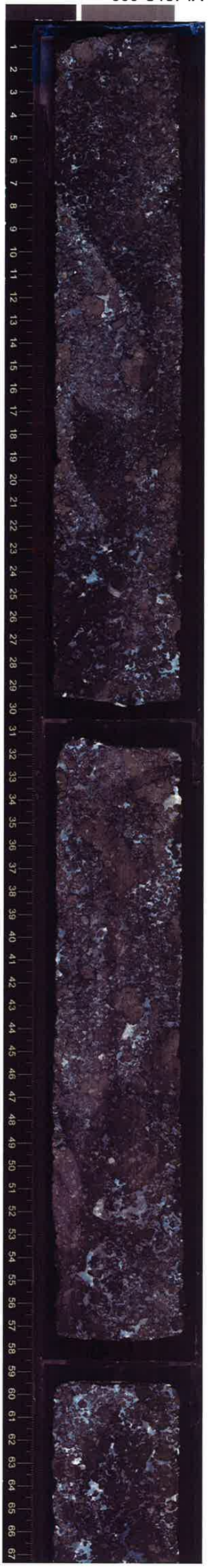
21-32
vein network, irreg., network in clast

90-91
vein, irreg., in clast

98-100
vein network, irreg., in clast

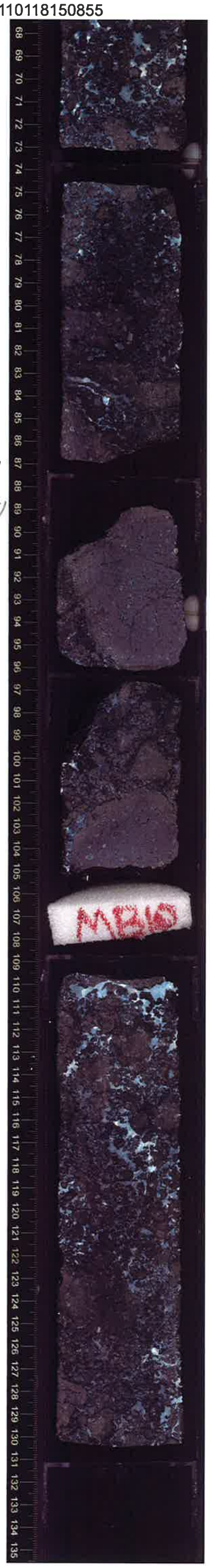
UNIT 113
Piece 1—4

330-U1374A-57R-4-A_SHLF2818281_20110118150855



88-99 vein (vein thickness = 1 cm) in clast

35-36 vein (vein thickness) straight in clast



UNIT 13
Piece 1a - 3b

330-U1374A-57R-5-A_SHLF2818311_20110118151401

18-23 vein, irreg., in clast

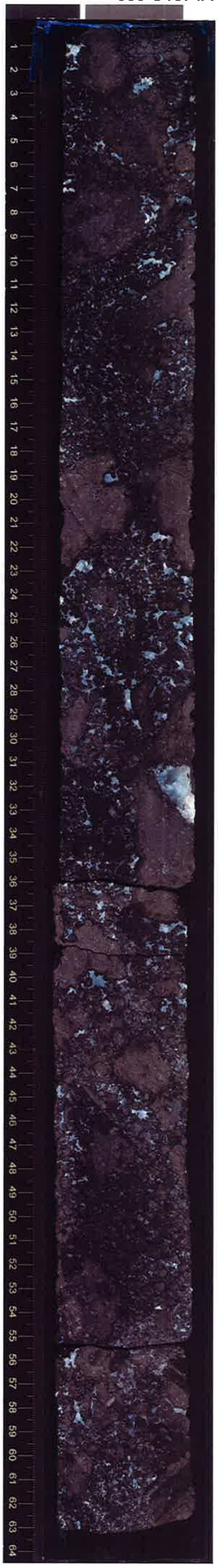
29-30
vein, straight, in clast

101-110
vein subvertical w=?, irreg., in clast

UW1 113

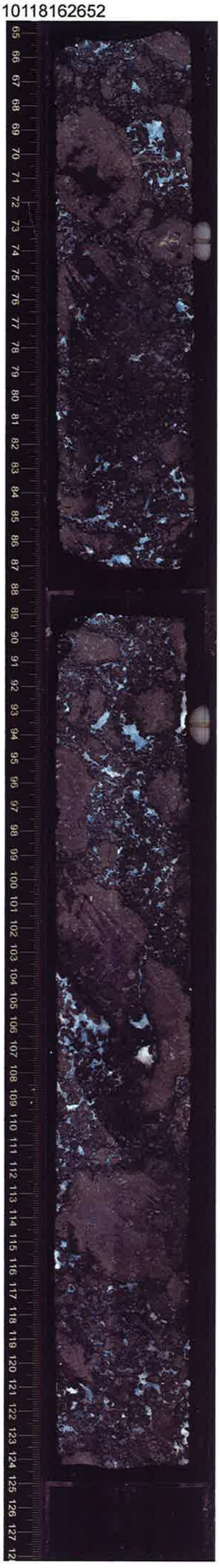
1-3

330-U1374A-57R-6-A_SHLF2818341_20110118162652



18-21 vein subvert, irreg. in clast

28-33 vein subv irreg.) in clast



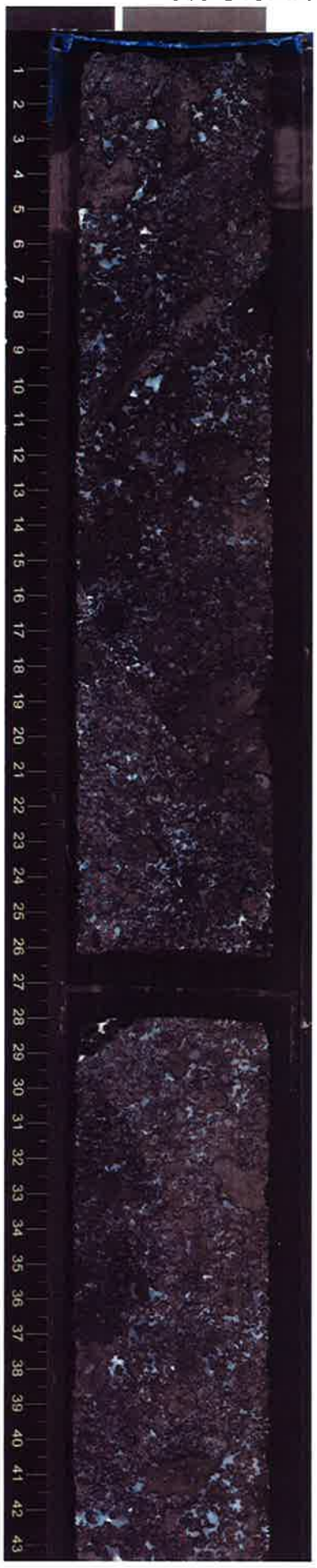
73-74 vein, irreg, in clast

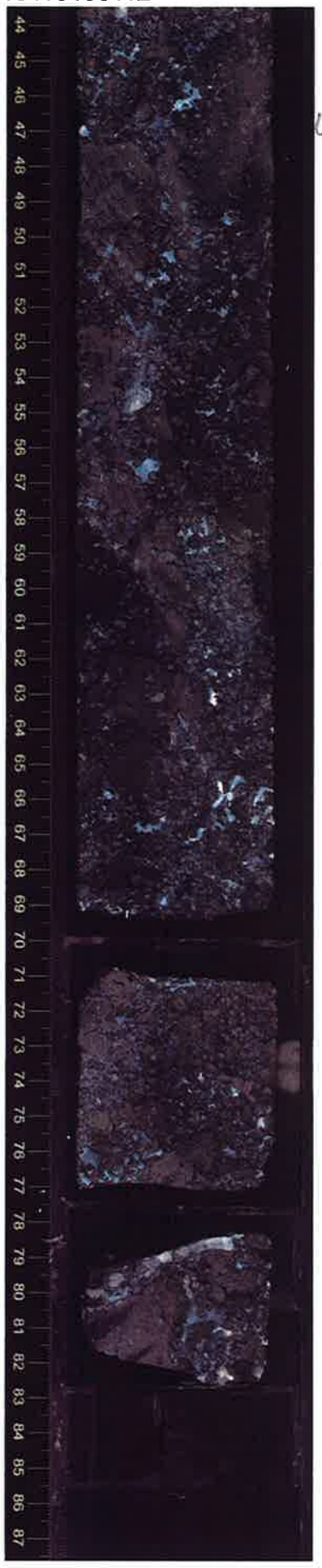
103-106 vein, straight, in clast

UNIT 13

1-4

330-U1374A-57R-7-A_SHLF2818371_20110118163112





47-69 cerea network, irreg. network

29-81 cerea network, irreg. network

UNIT 3

1 – 3

330-U1374A-57R-8-A_SHLF2818401_20110118163434

58 cm

UNIT (114)

64-69 vein, sharply, plunge dip (inclined)

66-66 vein, branched + reconnect, network

breccated lava lobe?

mod. plag-augite-phyric basalt.

medium gray aphanitic

4% plag.
subhedral
5 mm max
2 mm modal
fresh

~~8%~~ augite
euhedral
2 mm max
1 mm modal
fresh.

0.1% olivine
microphenocrysts
euhedral
0.5 mm max
0.2 mm modal, altered

Piece 3

1SC1 1

No vesicles.

330-U1374A-58R-1-A_SHLF2819381_20110118210616

UNIT (114)
(Continued)

Piece 1

brecciated
lava lobe?

moderately
plag. - ~~augite~~
- phyric
basalt

medium gray
aphanitic

5% plag
subhedral
3 mm max
1 mm modal
fresh

~~2%~~ augite
euhedral
3 mm max
1 mm modal
fresh

0.1% olivine
microphenocrysts
euhedral
0.5 mm max
0.2 mm modal
altered

No vesicles

39-42 cm
vein 0.5 mm
irregular

54 cm

UNIT
(115)

Volcaniclastic
breccia

dark greenish
gray
clasts up to 7 cm
5 mm modal
low sphericity
subrounded
(lobate
margins)

poorly sorted

17-35 vein n=5 2-1 mm irregular network

Clasts: moderately
plag - ~~augite~~ -
phyric basalt

5% plag
subhedral
3 mm max.
1 mm modal
fresh
Contains inclusions
in glomerocrysts
with augite

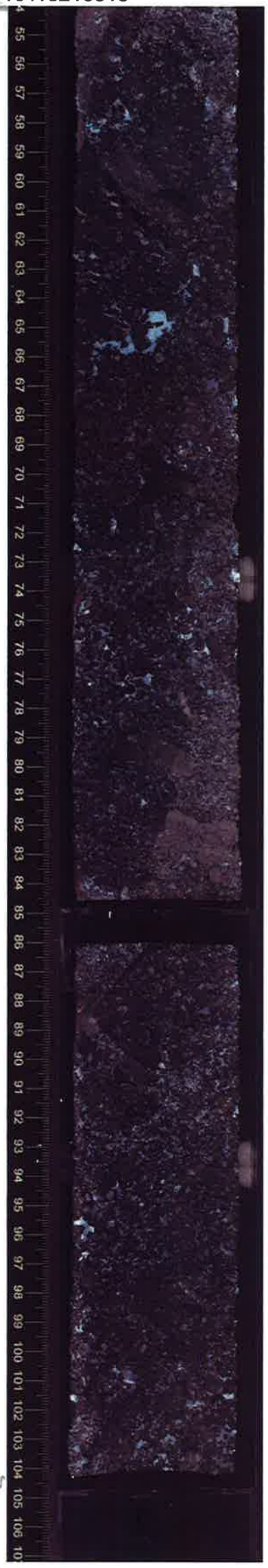
2% augite
3 mm max
1 mm modal
subhedral
fresh

0.1% olivine
microphenocrysts
euhedral
0.5 mm max
0.2 mm modal
altered.

No vesicles.

100% volcanic clasts
with calcite/~~zeolite~~ cement.

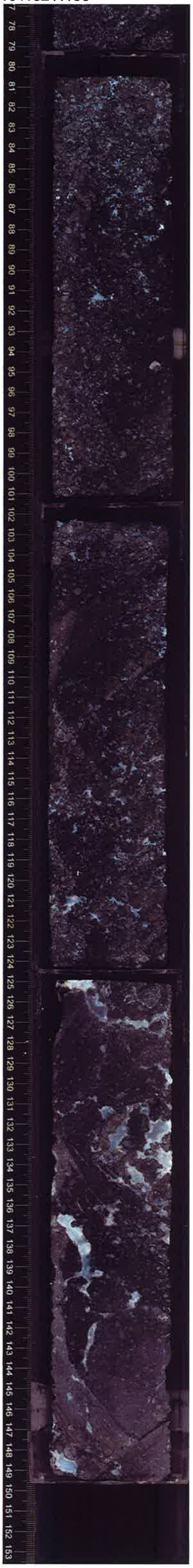
Piece 1-2



330-U1374A-58R-2-A_SHLF2819411_20110118211130

UNIT 115
(continued)
as in section 1
Piece 1-5

0-2 cm = Vein n=1
2mm straight
in clast
4-6cm



137-145cm vein 10mm irregular

144-149cm vein 0.5mm irregular
n=2

330-U1374A-58R-3-A_SHLF2819441_20110118212413

UNIT (115)
(Continued)

as in
section 1
Piece 1-2

33 cm

NB possible piece rotation

Margin of sheet

31-34cm chilled margin 90->300°

Margin of inclined intrusive sheet

36-42cm vesicle band 85->360°

UNIT (116)

Intrusive basalt sheet

Piece 2-3

43-45 cm vesicle band 90->230°

48-54 cm vesicle band 50->130°

54-65 cm vesicle band 75->145°

61-65cm vein 0.1mm n=1 straight 80->135°

67-73cm conjugate vein 0.1mm straight 85->090°

73-75cm vein 0.1mm straight n=1 70->194

UNIT (116)

aphyric basalt

fine grained (0.2 mm)

no phenocrysts

medium gray

Vesicle band 67-93cm 80->312

Vesicles

form bands near margins of sheet

10%

moderate sphericity

rounded

2 mm max.

0.2 mm modal

100/cm²

12 filled

105-112 cm vein 0.3mm straight n=1 80->310°

330-U1374A-58R-4-A_SHLF2819471_20110118213014

5-8cm vein n=1 0.5mm
curved 35→360°

20-33cm vesicle band
40→060

29-35cm vein n=1 1 to 0.5mm
straight 30→060

33-43cm vein n=1 0.1mm
straight. pyrite. 80→290°

35-41cm vein n=1 1 to 0.5mm
straight 35→058°

33-45cm vesicle band
30→050

42-48cm vein n=1 1 to 0.5mm
curved 20→046°

45-60cm vesicle band
30→020

49-52cm vein curved 0.1mm
68-214

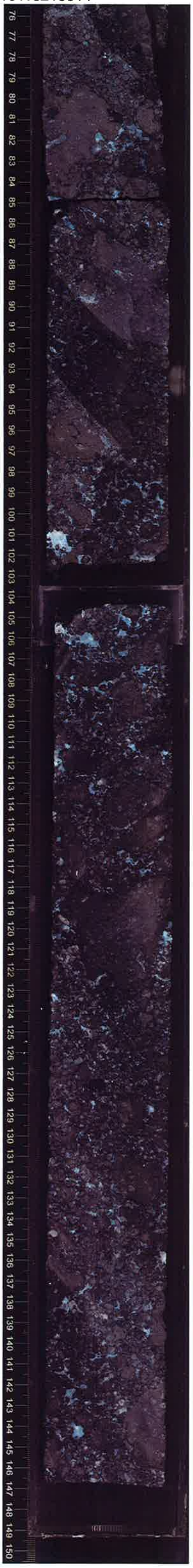
58-59cm vein 0.2mm
straight 35→348°

59-60cm vein 0.1mm stepped
pyrite 80→170°

71-73cm contact 90→150

Margin of intrusive sheet

UNIT 117



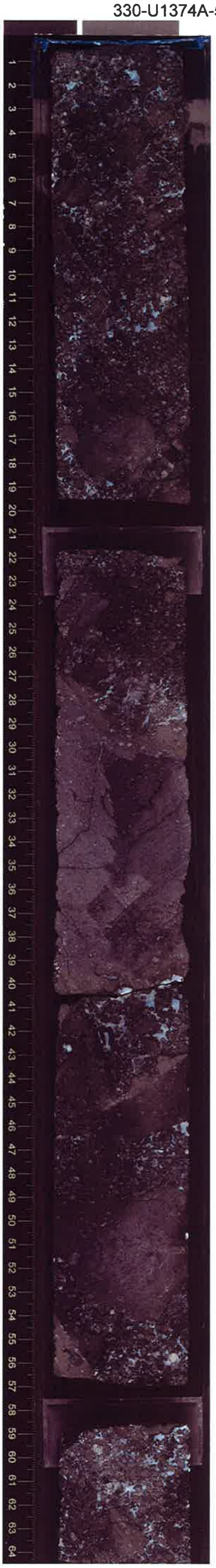
UNIT 117

Volcaniclastic breccia

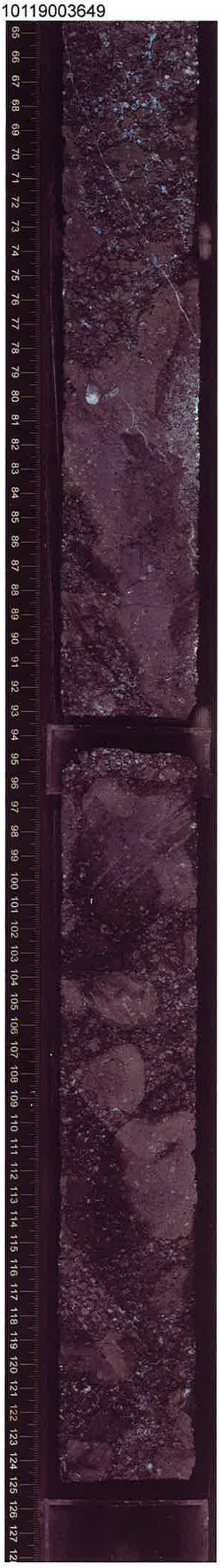
as ~~for~~ Unit 115 (section 1)

330-U1374A-58R-5-A_SHLF2819501_20110119003649

UNIT (117)
(Continued)
same as Unit 115
- as in
section 1



29-40 cm
Vein network n=7
0.5mm irregular



65-78 cm vein curved n=1
1mm 85-7245
* Crosscuts calcite cement *

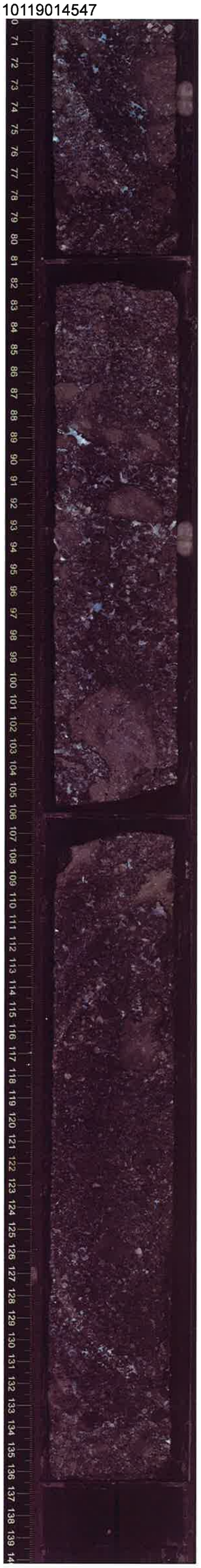
79-83cm vein 0.5-1mm
irregular

85-89 cm vein network 0.2mm
n=4 irregular

96-101 cm vein n=2 0.5mm
in clast

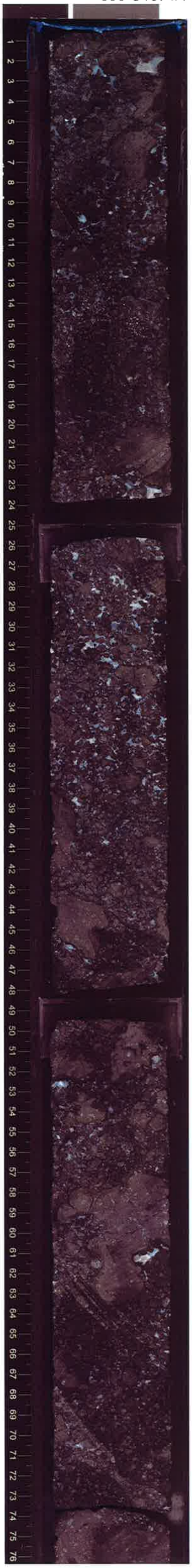
330-U1374A-58R-6-A_SHL. _819531_20110119014547

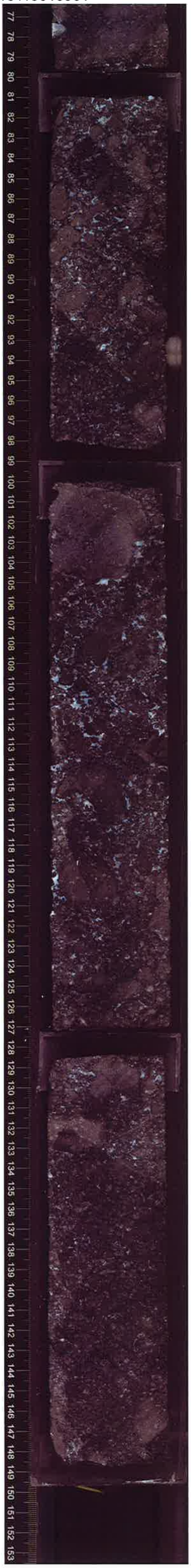
UNIT 117
(Continued)
Same as Unit 115
as in Section 1



UNIT (117)
(Continued)

same as
Unit 115
- section 1





100-105cm vein n=3 0.3mm irregular

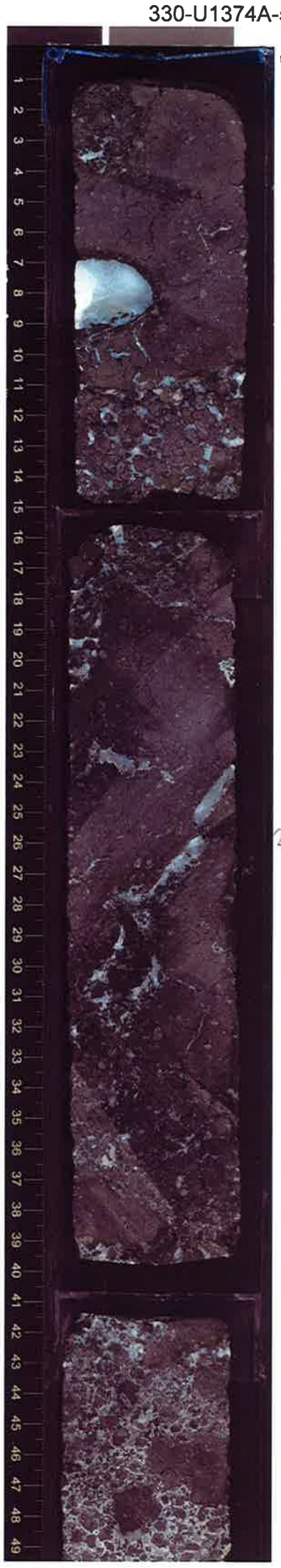
74-79cm vein n=4
0.5mm irregular

330-U1374A-58R-8-A_SHLF2819591_20110119021355

UNIT 117 (Continued)

same as Unit 115 (Section 1)

amount of calcite/zeolite cement increases from 41 cm

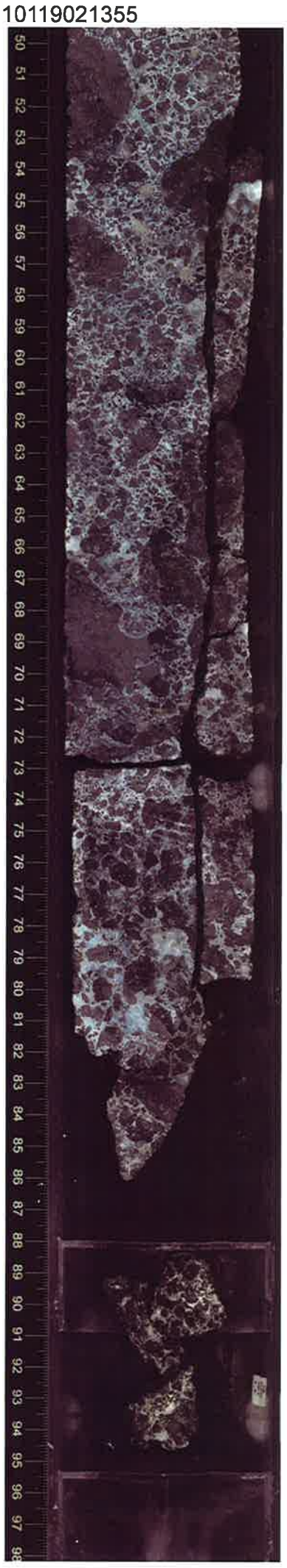


Pieces 1-4

4-11 cm vein network n=~15 2-1mm irregular

18-33 cm vein network n=? 1-0.5mm irregular

24-31cm vein 5mm stepped 75→120°



52-80cm fracture 90→095°

73cm conjugate fracture 80→180°

mostly gray - white

330-U1374A-59R-1-A_SHL[illegible]820701_20110119044359

UNIT (117)

3cm

UNIT (118)

LAVA LOBE OR FRAGMENT

Moderately plag-angite-phyric basalt.

7% plag.
6mm max
2mm modal
subhedral
fresh.

1% angite
4mm max.
2mm modal
euhedral, fresh

0.1% olivine microphenos.
0.5mm max
0.2mm modal
euhedral, altered

brecciated base

UNIT 119

VOLCANICLASTIC BRECCIA

Upper contact in piece 1b

greenish medium gray

4mm modal

Clasts up to 15cm

100% volcanic clasts with carbonate/zeolite cement

CLASTS

Moderately plag-angite-phyric basalt.

5% plag.
5mm max 2mm modal
subhedral, fresh

~~2% angite~~
4mm max
2mm modal
euhedral, fresh.

No olivine.

No vesicles

3-11cm vein network 0.3mm irregular, branch n=10

Medium gray aphanitic

No vesicles

Upper contact of Unit 118 in piece 1a

18-27cm vein network 0.3mm irregular, branch n=10

1a

30-31cm vein 0.2mm irregular

36-40cm vein 0.2mm irregular

1b

108cm

0.5% angite phenos.
2mm max
0.5mm modal
subhedral

119-124cm vein 0.1mm 60→090°

Unit 120

124cm vein 0.3mm straight 35→162°

128-135cm vein network n=10 0.2mm straight, branch

135-138cm vein 0.2mm straight 50-040°

71-85cm vein network 2mm max 1mm avg irregular

77.5-79cm ?? geopetal ?? 208° ??

not entered on DESKlogic as uncertain if this fabric is geopetal.

95-104cm vein network 1mm irregular

Unit (120)

Aphyric basalt intrusive sheet (dyke?)

Fine grained (0.2mm)

Medium gray

109-117cm vein 0.5mm curved

119-138cm contact 90→090°

118-135cm vesicle band 90→090

Unit (119)

Vesicles

form bands near margins

10% mod. sphericity, rounded

2mm max
0.2mm modal
100/cm²
1% filled

Contact with Unit 119