330-U1373A-7R-5-A_SHLF2729161_20110103073357

UNIT 10 CONTIN

p:1a

0 - 5.5 cm

UNIT 11

p: 1a - 1b

5,5 - 31 cm

14 - 21 cm
peperite

15-21
alteration vein
→210

UNIT II

Piece 1 - 7b

Change of unit due to change in sediment type. Contact not recovered.

DRILLING RUBBLE

0cm to 8R2A 22.5cm

10 - 12.5
20% VESICLES.
ELONGATE
SUB ROUNDED

0% VESICLES
12.5 - 16.5

LAVA FLOW!
PEPERITE!

16.5 - 22.5
20% VESICLES
ELONGATE
SUB ROUNDED

PHENOCRYSTS
0.8% PLAGIOCLASE
SUBHEDRAL
MOD. ALTERED.
1.5MM MAX
1MM MOD.

1% OLIVINE
SUBHEDRAL
COMPLETELY ALTERED.
4MM MAX
2MM MOD.

0% PX.

BASALT
SPARSELY OLIVINE-PHYRIC

REDDISH GRAY WITH PATCHES OF BLUE & GREEN.

GROUNDMASS : FINE-GRAINED
0.1MM

SPARSELY PHYRIC

moderately altered

22.5 - 94.5
VERY PATCHY
VESICLES.
OVERALL - 5% VES.
ELONGATE
SUB ROUNDED.
10MM MAX
0.5MM MOD.
UP TO 20%

69-71
vein, non-oriented

72-73
vein, steeper.

73-76
vein, steep dip → 14?

77-78
vein unkw. sub-horiz. → 114

85-98
vein, steep dip

Zeolite in vesicles

132-141
vein, steep dip

micrite? significant - thinsection!

sedimentary squeezing texture.

94.5 - 105
20% VESICLES,
MODERATE
SUBROUNDED
10MM MAX
1 MM MOD.

good peperitic texture.

105 - 125
25% VESICLES
10MM MAX
4MM MOD
LOW SPH.
SUB ROUNDED.

125 - 22.5 on 8R2A
5% VESICLES
VERY PATCHY
15% IN PATCHES.
LOW, SUBANGULAR
10MM MAX
0.5 mm MOD.

330-U1373A-8R-2-A_SHLF2730161_20110103144459

UNIT 11 cont'd,
Piece 1-3

7-9
vein, sub-horiz

moderately altered

UNIT 12 RED OXIDISED TOP RECOVERED.
Piece 3 - 10c
22.5 - 75 on 8R3

LAVA FLOW WITH PEPERITE TOP & BASE.

PHENOCRYSTS
1% OLIVINE
SUBHEDRAL
COMPLETELY ALTERED
3MM MAX
1.5MM MOD.

SPARSELY OLIVINE PHYRIC

0.5% PYROXENE
SUBHEDRAL
FRESH
1MM MAX
0.5 MM MOD.

0% PLAG

MOTTLED BROWN - BLUE REDDISH.

FINE GRAINED 0.1mm
PEPERITIC

22.5 - 61.5
7% VESICLES.
ELONGATE
SUBANGULAR.
10 MM MAX
1 MM MOD.

Zeolites

54-57 vein, non-oriented

61.5 - 74
10% VESICLES.
MODERATE
SUB ROUNDED
9MM MAX
3MM MOD

74 - 105
Same as 22.5 - 61.5

bit higher degree of alteration than above

105 - 126.
Same as 61.5 - 74

116-128
vein, steep dip

126 - 141
Same as 22.5 - 61.5

138-141
vein, sub horizontal

141 - Next section.
41.5

330-U1373A-8R-3-A_SHLF2730191_20110103144950

UNIT 12

1 – 2b.

10% VESICLES
12 MM MAX 3MM MOD.
GLOMCAMC
SUBROUNDED

15-22
pipe voids
180°

41.5 – 75

5% vesicles
MODERATE
SUB ROUNDED
6mm max
1mm mod'

44-44
vein, non Oriented

UNIT 13
Piece 2b.

OXIDISED TOP RECOVERED
UNIT 13 PIECE 2b
75 – 9R1, 121

VESICLES 75-88.9, 3 9
OVERALL 3%
LOW SPHERICITY
SUBANGULAR
10mm MAX
1mm MODE

88.3 cm
GLOMEROCRYST OF PLAG & PX ON DRILLED SURFACE

94-96 conjugated vein network, non oriented

330-U1373A-8R-4-A_SHLF2730221_20110103145545

UNIT 13
1a - 1e

9-11
vein calc.
non-orient

12-16
vein calcite
→227

UNIT (13)
DESCRIPTION: LAVA
INTERPRETATION: PEPERETIC LAVA FLOW

PHENOCRYSTS:
PLAG 0.5% 1mm, 0.5 mm SUBHEDRAL FRESH
PX 0.5%. 1mm, 0.1 mm SUBHEDRAL MODERATELY ALTERED
↳ OCCUR AS GLOMEROCRYSTS

▷ SPARSELY PHYRIC BASALT
OLIVINE 0.5%
SUBHEDRAL
COMPLETELY ALTERED
1mm, 0.5mm

REDDISH GRAY/BLUE GRAY
FINE-GRAINED, 0.1mm
GLOMEROPORPHYRITIC
OLIVINE PRESENT IN GROUNDMASS

31-33 vein
31 → 165

VESICLES 34-63cm
5%
5mm MAX
1mm MOD
LOW
SUBANGULAR

37.5-42
vein calc.
sub-horiz

49-54
vein, 56→220

55-59
vein non-orient

VESICLES
63-73 cm
10%
MODERATE
SUBROUNDED
10mm MAX
4mm MODAL

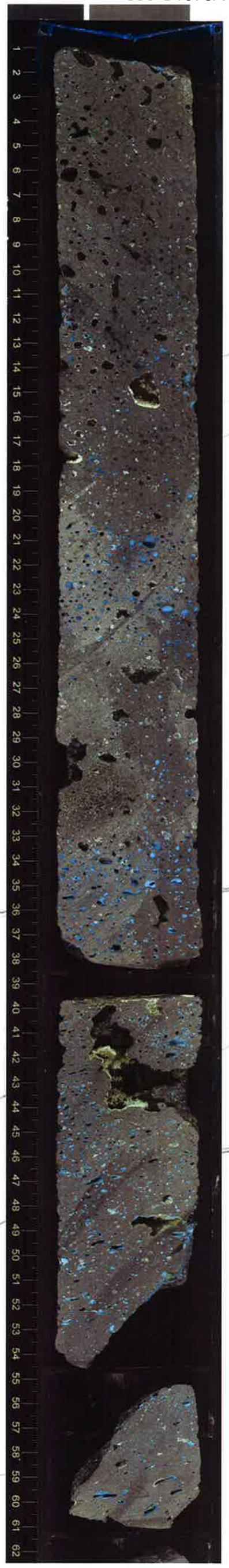
93-9
vein
sub horiz
→190

VESICLES
93-9R-1A, 36cm
7%
MODERATE
SUBROUNDED
13mm MAX
1mm MODE
VUGS IN PLACES

330-U1373A-9R-1-A_SHLF2730861_20110103155526

UNIT 13

1 - 6



VESICLES
68 - 82cm
7%
MODERATE
ROUNDED
4mm MAX
2mm MOD
NOT ALIGNED

VESICLES
82 - 121cm
3%
LOW
SUBANGULAR
16mm MAX
1mm MODE

86-87
LOW - ORIENTED
VEIN

VESICLES
36 - 68cm
10%
ELONGATE
SUBROUNDED
40mm
5mm
ALIGNED ELONGATE VESICLES ACROSS CORE

ALIGNED VESICLES

ALIGNED VESICLES

43-50
ELONGATED VESICLES
→ 180°

VESICLES ALIGNED

115-120
VEIN NETW.
NON-ORIENTED

ALIGNED VESICLES

BASE OF UNIT 13
NOT RECOVERED

UNIT 14

1 – 3

0 – 66.5 cm.

LAVA FLOW
PEPERITIC
CONTACTS NOT RECOVERED
- change in phenocryst.
0% PHENOCRYST
APHYRIC BASALT
0-38.5
REDDISH GRAY
FINE-GRAINED 0.1
SCORIACEOUS

38.5-66.5 STRONGLY
GRAY-BLUE-RED
BANDED (VESICLES)

0-38.5
5% VESICLES
LOW SPH
SUBROUNDED.
8MM MAX
2MM MOD
U-S vein, non-orient.

NOT DESCRIBING
VOIDS & VUGS.

90-99
10%
HIGHLY ELONGATE
SUBROUNDED
10MM MAX
1MM MOD.

ALIGNED

93-113
vein
70 → 069

25-30
vein calc.

37-42 vein
steep dip

38-52 magnetic foliation
19↑

38.5-66.5

20% VESICLES
ALIGNED
ELONGATE
SUBANGULAR
11MM MAX
3MM MOD.

39-52 elongated
vesicles → 197

55-60 vein
steep dip

110-117
vein
curved

120-127
vein
subhoriz.
→231

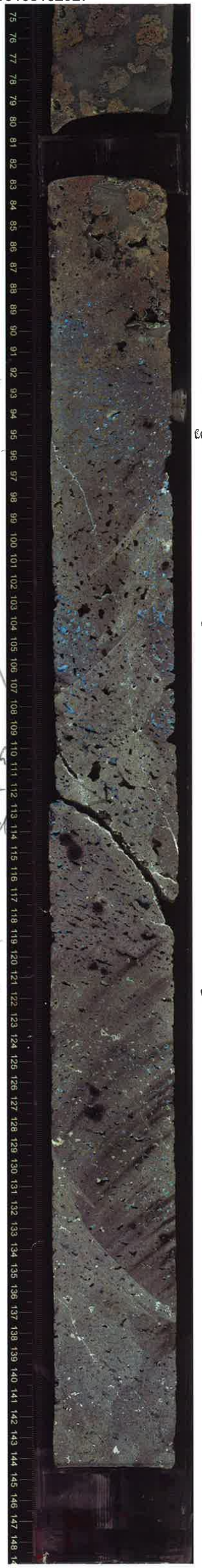
134-
141
vein
39-→250

TOP NOT RECOVERED
EVIDENCE FROM
PERIDOTITE.
66.5 – 90
10% VESICLES.
LOW
SUBROUNDED.
6MM MAX, 1MM MOD.

UNIT 15

4 – 5b.

66.5 to end of
10R5-A
28cm.



UNIT 15,
4-5b

LAVA FLOW WITH
PEPERITIC TOP

0% PHENOCRYSTS
APHYRIC BASALT
FINEGRAINED 0.1
66.5 – 92
MOTTLED REDDISH
BROWN GRAY AT TOP.

92 – end of 10R5A
MED GRAY.

99-122
10%
ELONGATE
SUBROUNDED
8MM MAX
2MM MOD.

aligned
vesicles
80→030

122 – 57 T ON
CORE 9R 3A

7% VESICLES,
LOW SPHER,
SUBROUNDED
6MM MAX
1MM MOD,

UNIT 15
1a 2c

330-U1373A-9R-3-A_SHLF2730921_20110103164652

23-29
fracture
89 -> 021

? 30-37
vein
steep dip ->
80 -> 231

~~31-35~~ ok
fracture, irreg

35-41cm

47-51
vein, sub-
horiz.
-> 270

57-71
vein
89 -> 285

55.5-56.5 vein single fracture
straight 80 -> 170

57.5 - 78.5

5% VESICLES

1MM MAX
1MM MOD.
MODERATE
SUB ROUNDED.

71-79 ~~72-74~~
vein
network,
steeply
dipping

78.5 - 62 on 10R2A

1% VESICLES.
LOW SPH.
SUB ANGULAR
1MM MAX
1MM MOD.