

Unit 120  
(Continued)  
description as  
for section 1

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0-21cm vein network  
n=4 irregular, but  
generally following vein  
bed  
sub-vertical  $\rightarrow 270^\circ$

0-132cm vein bed  
curved (following edge of  
dyke)  
but generally  $\sim 90^\circ \rightarrow 270^\circ$

25-26cm vein 0.5mm straight  
 $20 \rightarrow 350^\circ$

27-30cm fracture 60-7030  
straight

29-39cm  
vein 0.5-1mm  
straight  
 $75 \rightarrow 126^\circ$

edge of  
dyke  
(Unit 120)

Unit 119

45-72cm vein network  
n=10 0.5mm  
curved subvertical  $\rightarrow 270^\circ$

50-51cm fracture curved  
 $65 \rightarrow 350^\circ$

55cm vein 0.1mm straight  
 $80 \rightarrow 016^\circ$   
132cm

136-140cm  
vein  
n=5  
1mm  
irregular

72-83cm vein 2-1mm  
stepped  $80 \rightarrow 082^\circ$

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88-90cm vein 0.5mm straight  $60 \rightarrow 016^\circ$

93cm fracture 55-165  
straight

99-110cm vein network n=4  
straight branched 0.2mm

107cm vein 0.1mm curved pyrite  
 $78 \rightarrow 004^\circ$

119-120cm vein 0.1mm curved pyrite  
 $50 \rightarrow 196^\circ$

120-124.5cm vein 0.1mm  $90 \rightarrow 290^\circ$

123.5-126cm vein straight 0.2mm  
 $55 \rightarrow 330^\circ$

128-129 fracture, straight  
 $86 \rightarrow 158^\circ$

Unit 121

Volcaniclastic  
breccia  
(= Unit 119?)

description as for  
Unit 119 in  
section 1

Unit (121)  
(continued)  
as for Unit 119  
in section 1



83-87  
vein, 0.6 um, irregular

90-94  
vein, 1.8 um, ~~irregular~~ shape  
→ 276

124-128  
vein = 0.2 um, stepped



96-106  
drilled contact

23 → 228

97-117  
vert. uctw.,  
img. cub.

119-125  
vert. uctw.,  
u = u stepped

12-52 vert. uctw.  
u = l, straight in clast

Unit (121)

100 cm

intensive  
contact

Unit (122)

description as for  
Unit 120 in  
section 1

Unit 122  
(Continued)  
description as  
for Unit 120  
in section 1

1-9 drilled  
margin  
20 → 214



UNIT 123

Volcaniclastic  
breccia  
as for Unit 119  
in section 1

10-12  
vein, Zoned, curved

20-31  
vein network,  $\mu=6$   
irregular



33-40  
vein network,  $\mu=6$   
irreg, in clots

UNIT (123)  
(continued)

Margin  
of Unit (24)



3-16 vein network,  
u=10, irreg.

5-26 drilled contact,  
irreg.-curved

UNIT (123)

24-41 vein web  
u=4, max 4mm,  
mod O.S. straight  
48 → 075

Unit 123 intrusive  
contacts

Margin of  
Unit (124)

34-34 fracture, straight  
89 → 179

44-58 vein web,  
u=8, max 8mm  
straight 80 → 295

46-47 vein, 0.5mm  
straight 78 → 305

51 fracture, curved  
85 → 199

55-75 vein web.  
u=8 max. 8, mod  
2mm - 80 → 295  
55 vein, straight  
steep dip → 174

60 fracture, straight  
90 → 184

70-71  
vein, straight,  
51 → 168

67-74 vein, curved  
68 → 042

60-137 vesicle band  
45 → 081

90-91 fracture, straight  
70 → 348

98-98 vein, 0.2mm  
straight 30 → 180

98-101 vein web,  
0.1mm 30 → 180

boundary placed  
at 25cm

UNIT (124)

intrusive sheet  
as for Unit 120  
in section 1



134-137  
vein, 1mm, irregular

Unit 124  
(continued)  
as for Unit 120  
in section 1

except for  
Vesicles:  
Section 7, 5-80

3% vesicles  
elongate  
subangular  
10 mm max  
3 mm nodal  
2/cm<sup>2</sup>  
99% filled



1-4 vein, minor  
irregular, non-  
oriented

5-21 vein, wavy,  
u=5, sub-horizontal

15-15 fracture  
90 → 184

17-23 vein, minor  
41 → 056

25-26 vein, 0.1 mm  
straight, 80 → 370

28-36 vein, curved,  
sub-horizontal

36-37 vein, 0.1 mm  
41 → 350

31-47 vein, straight  
82 → 091



48-66  
vein wavy,  
u=12, straight

fracture part  
filled with small  
basalt fragments  
68 cm geopedal 180°

UNIT 124

PIECE 1a

0-34cm

DAPHYRIC BASALT  
MASSIVE BASALT  
INTRUSIVE SWEET  
(DYKE?)

TOP CONTACT

-CHILLED MARGIN

FINE GRAINED 0.2mm

0.1% PLAGIOCLASE

2mm, 2mm

SUBMEDIAL, FRESH

MEDIUM GR

moderately  
affected

zeolite

LOWER CONTACT

NO CHILLED MARGIN 34cm

BREAKS UP INTO  
BRECCIA

UNIT 125

PIECE 1a-1d

VOLCANIC  
BRECCIA

↳ BRECCIATED  
MARGIN OF  
INTRUSIVE SWEET  
MIXED WITH BRECCIA  
(e.g. UNIT 123)

DAPHYRIC BASALT  
BRECCIA

DARK GRAY GREENISH  
GRAY

VOLCANIC  
ATTRIBUTES:

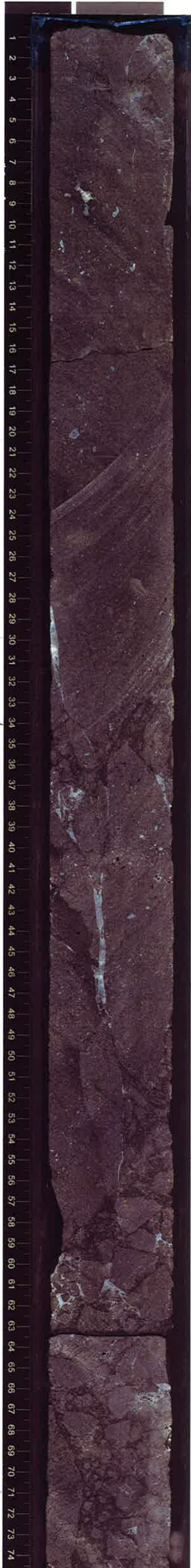
100%

2mm

LOW, SUBANGULAR

VERY POOR

VESICULAR  
CLAST 10%



VESICLES

0-34cm

0.5%

12mm, 1mm

ELONGATE,

SUBANGULAR

1-11 vein netw.,

w=8, steep dip

15-16 vein, straight

80 → 166

VESICULAR  
CLAST 10%

27-56

vein netw., branching  
recount 83 → 882

34cm

VESICLES

34-123cm

3%

2mm/0.1mm

HIGH, ROUNDED

123

132-137

fracture

w=1 → 134

VESICULAR  
CLAST 10%

VESICLES

123-148cm

10%

0.5mm/0.1mm

HIGH, ROUNDED



MODERATELY PLAG-  
~~PROXIMATE~~  
PHYRIC CLAST,  
MIXING WITH  
VOLCANICLASTIC  
BRECCIA UNITS

VESICULAR  
CLAST 10%

105-121

chilled margin, curved  
~ 070

108-138 vesicle bound

71 → 258

BAKED MARGIN

123cm  
CHILLED MARGIN

UNIT 126

PIECE 1d-2a

123-60R 3 73cm

MASSIVE

↳ INTRUSIVE SWEET  
(DYKE?)

0.1 PLAGIOCLASE

2mm, 1mm

SUBMEDIAL, FRESH

DAPHYRIC BASALT

MEDIUM GRAINED

FINE GRAINED

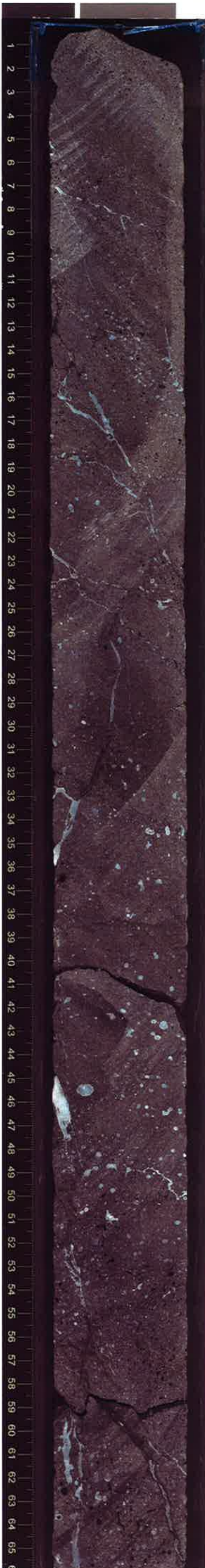
0.2mm

139-140cm hole

UNIT 126 (CONT'D)

PIECE 1a-1c

6-7  
vein, straight  
51 → 200



VESICLES  
0-128cm  
10%  
6mm, 2mm  
RND, ROUND

3-24  
vein network,  
w=12, straight  
85 → 059

23-24 vein, straight  
70 → 221

25-35  
vein network w=2  
branching

41-41 fracture, straight  
39 → 022

38-84 vein netw.  
w=5, branching &  
reconnect. 80 → 070

56-66 vein netw.  
straight  
79 → 073

59-59 fracture,  
irregular

24



69-69 fracture, straight  
90 → 179

84-84 vein, straight  
29 → 183

102-109 vesu, 0.2mm,  
irregular.  
105

111-112 fracture,  
straight 19 → 252

PHYRIC  
INTERVAL  
IN UNIT 126  
1% PLAGIOCLASE  
SUBHEDRAL, FRESH  
2mm/1mm  
▷ SPARSELY  
PLAGIOCLASE  
PHYRIC

128cm



UNIT 126 CONTD.  
PIECE 1a - 1c

3-5  
vein on top. u=2  
irreg.

13-15  
fracture, straight  
51 → 336

4-69 vesicle  
bond 29 → 269

25-29  
fracture  
straight  
83 → 223

41 fracture  
straight  
65 → 336

43-52  
vein, 1, irreg.

51-54  
fracture, straight  
53 → 140

60-63 fracture  
irreg. 21 → 201



VESICLES  
0-73cm  
10%  
0.5/0.1mm  
HIGH, ROUNDED

73cm -  
TEXTURE,  
COLOR  
MOTTLED  
GREEN-GRAY-  
WHITE  
AFANITIC  
MODERATELY  
PHYRIC  
BRECCIATED  
VOLCANIC  
ATTRIBUTES:  
90 → 100 90%  
LOW, SUBANGULAR  
VERY POORLY  
SORTED

88-89  
fracture  
90 → 350

90-88 VESICLES  
vein 73cm-90cm  
u=1  
irreg.  
6mm, 0.5mm  
LOW, SUBROUNDED

90-95  
chilled margin, 45 → 100

VESICLES  
90-60 R4 93.5  
10%  
0.5/0.1mm  
HIGH, ROUNDED

91-123 vesicle bond  
curved  
91-94 vein, straight,  
sub-horizontal  
→ 223

99-100 vein,  
straight, 62 →  
010

63-75  
chilled margin  
irregular



VESICULAR  
CLASIS 10%

CHILLED MARGIN  
73cm  
Baked MARGIN

UNIT 127 PIECE 1c-  
1f  
VOLCANICLASTIC BRECCIA  
LAVA FRAGMENTS  
5% PLAGIOCLASE  
SUBHEDRAL, FRESH  
3mm, 2mm  
2% PYROXENE  
SUBHEDRAL, FRESH  
2mm, 1mm  
MODERATELY PLAGIOCLASE  
PHYRIC  
BASALT BRECCIA

Baked MARGIN  
90cm  
CHILLED MARGIN

UNIT 128 PIECE  
1f-1h  
MASSIVE  
INTRUSIVE SKEET  
(DYKE?)

0.1% PLAGIOCLASE  
SUBHEDRAL, FRESH  
1.5mm, 1mm  
AFANITIC BASALT  
MEDIUM GRAY  
FINE-GRAINED  
0.1mm

106-107cm  
REMANANT OF  
COUNTRY ROCK/DYKE  
MARGIN, VOLCANICLASTIC  
BRECCIA  
CHILLED MARGIN  
ON DYKE

102-107  
vein, straight, 229  
108-109 vein, straight  
252

109-111 fracture,  
80 → 008

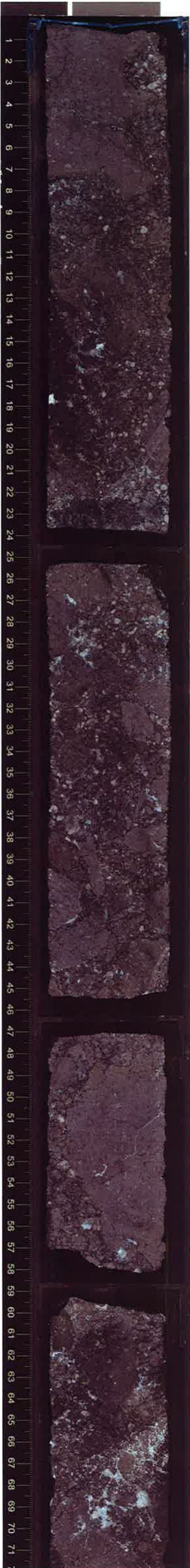
118-119 fracture,  
straight 68 → 360



UNIT (129)

CONTR.

PIECE 1-6



2-6 vein network  
n=8, irreg, in clast

49-56  
vein network, irreg, in  
clast



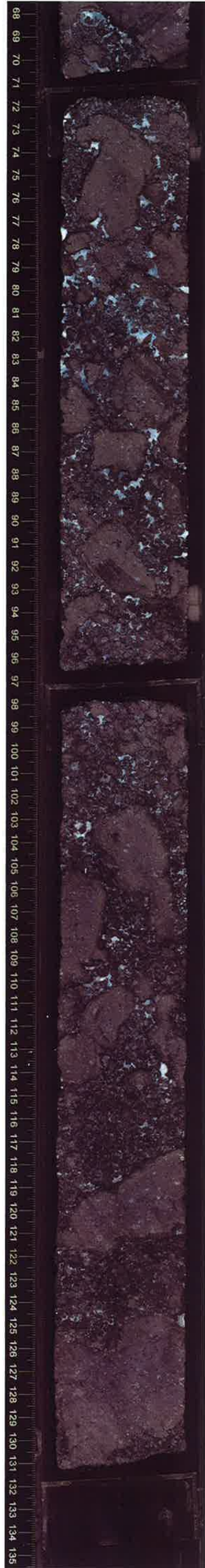
70-79  
vein network n=7, 0.1mm  
irreg, in clast  
76-81  
vein, 3mm, irreg

105-107  
vein, 2mm, straight  
107-112  
vein network, n=6  
irreg, in clast

UNIT 129 CONTD  
PIECE 1- 4



57-70  
vein utw, u=13, straight, in clay



106-110  
vein utw, u=6  
straight in clay

125-130  
vein utw, u=7  
straight in clay

PIECE 129 CONTD  
1-26



22-25 vein acton,  
n=2, irreg. in clast

50-53 vein acton,  
n=3, irreg. in clast



81-83  
vein acton, n=2  
irreg. in clast

ANGULAR  
ASTHATIC CLAST

UNIT 129 CONTD  
P.1-X



VOLCANICLASTIC  
BRECCIA  
LAVA FRAGMENTS

0-61 R3 87cm

5% PLAGIOCLASE  
SUBHEDRAL, FRESH  
4mm/2mm

HYDROXENE ??  
↳ THIN SECTION  
COMPARE GOR6-7  
WITH 61R1

▷ MODERATELY  
PLAGIOCLASE-PHYRIC  
BASALT BRECCIA

TEXTURE COLOUR  
MOTTLED BLACK -  
GREENISH GRAY  
AQUANITIC  
VOLCANIC ATTRIBUTES  
90%  
5mm  
LOW, SUBROUNDED  
POORLY SORTED

0-1% OLIVINE  
SUBHEDRAL  
COMPLETELY ALTERED  
0.5mm/0.5mm

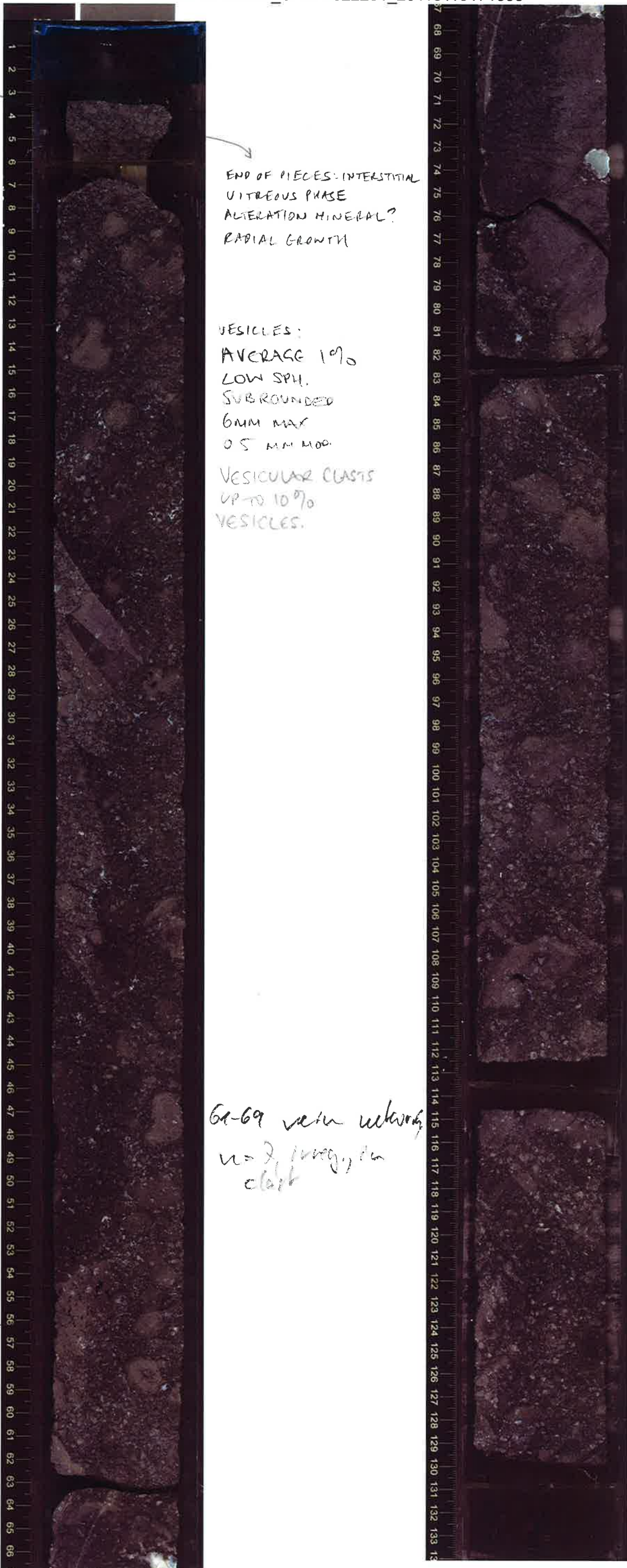
VESICULAR  
CLAST 10%

END OF PIECES: INTERSTITIAL  
VITREOUS PHASE  
ALTERATION MINERAL?  
RADIAL GROWTH

VESICLES:  
AVERAGE 10%  
LOW SPH.  
SUBROUNDED  
6MM MAX  
0.5 MM MOD.  
VESICULAR CLASTS  
UP TO 10%  
VESICLES.

61-69 water wetting  
w=2, irregular  
clast

65-75  
magmatic foliation?  
79 → 008



UNIT (129)  
CONTD.  
PIECE 1-6

✓  
VOLUME 2007



UNIT 129  
PIECE 1-5a



1-8cm vein network n=7  
0.1mm irregular

24-29cm vein n=3 0.1mm  
irregul

49-53cm vein network 0.2mm  
n=6

VESICULAR  
CLASTS  
10%



87cm SPATTY MARGIN  
UNIT 130 1a-5d  
BASALT CLAST,  
FRAGMENT OR  
LOBSE ISCI=1

5% PLAGIOCLASE  
SUBHERRAL, FRESH  
+ / 1.5mm

▷ MODERATELY  
PLAGIOCLASE-PHYRIC  
BASALT

MEDIUM GRAY  
ATLANITIC

85-127cm magmatic texture  
irregul

104-118cm vein 0.5mm irregul  
70-705°

116-124cm vein 1mm 80-705°  
straight

119-124.5cm <sup>conjugate</sup> vein 0.3mm irregul  
58-145°

130cm TRANSITION TO  
BRECCIA

UNIT 131 5d

VOLCANICLASTIC  
LAVA FRAGMENTS

5% PLAGIOCLASE  
SUBHERRAL, FRESH  
8mm / 2mm

▷ MODERATELY  
PLAGIOCLASE-  
PHYRIC BASALT  
BRECCIA

MOTTLED BLACK GREENISH  
GRAY  
ATLANITIC

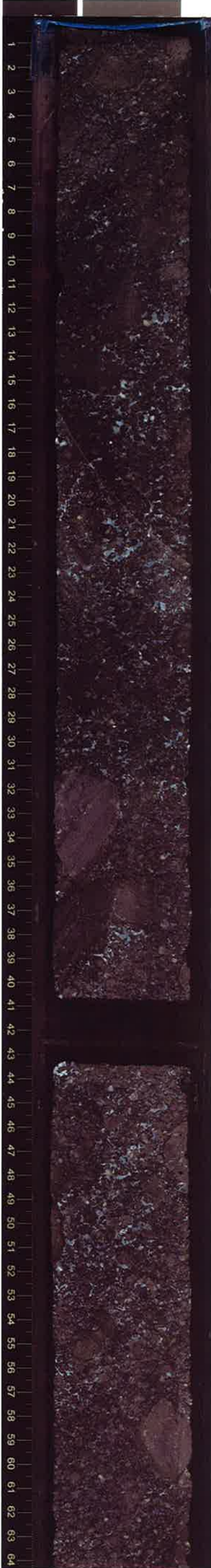
VOLCANIC ATTRIBUTES:  
90%  
5mm  
LOW SUBROUNDED, POOR



UNIT (13)

P. 1-4

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30 vesicles

UNIT (13D)  
PIECE / -3

