

UNIT 60
Piece 1-12

330-U1372A-22R-2-A_SHLF2709871_20101227135536



1-4 vein, straight steep dip
→ 113
2-9 vein netw, in steep dip

12-20 vein, steep dip → 254

21-28 vein, steep dip
269

39.5-39.5 fracture, steep dip
→ 2129

43-49 vein steep dip → 100

minerals
abundant

pl & green



62-63 vein, straight, steep dip
dip 85 → 023

64-68 vein network
steep dip 147

71-76 vein netw, bands &
horizontal steep dip → 210

tiny light green

- 80-81 main vein, rotated
block

- 105-110
main vein
0.01 in steep dip → 212

1-3 vein netw.
irreg, non-orient.

4-6 veins, irreg. -
isolated non-
oriented

Volcanic breccia
(possible hyaloclastite)

BOUNDARY
Upper & Lower: not

Phenocrysts

50% plagioclase

subhedral, fresh

Max 8mm

Mod 2mm

Texture

mottled green-gray

black

fine grained 0.1mm

Phyric

27-28 -
vein network
irreg, non-oriented

Volcanic Attributes

Volcanic clasts

80%

mod. size 5mm

Particle Sphericity

→ moderate

Roundness → angular

Sorting → poor

Some possible
sedimentary feature

45-48
vein netw.
irreg, non-
oriented

49-49.5
vein, irreg. netw.
slightly dip. → NE

58-59
vein netw, rotated

62-63
fracture network, rotated
block

65-72
fracture network, irreg.
non-oriented

moderately
aligned

77-79
fracture
network
rotated?

80-88
fracture
network

84-88
vein netw.
block rot?

VESICLES
16-129

0.1%

high

rounded

Max 0.5mm

Mod 0.5mm

92-93
vein, slightly
clipping

94-97
vein, steep
dip, 25°

black
slaty
matrix

large clasts
moderately
aligned
by more highly aligned
matrix
Small clast
as in mod
large clasts

vein
by caliche

112-115
vein, irreg.
non-
oriented

VESICLES

129-2A-22

3%

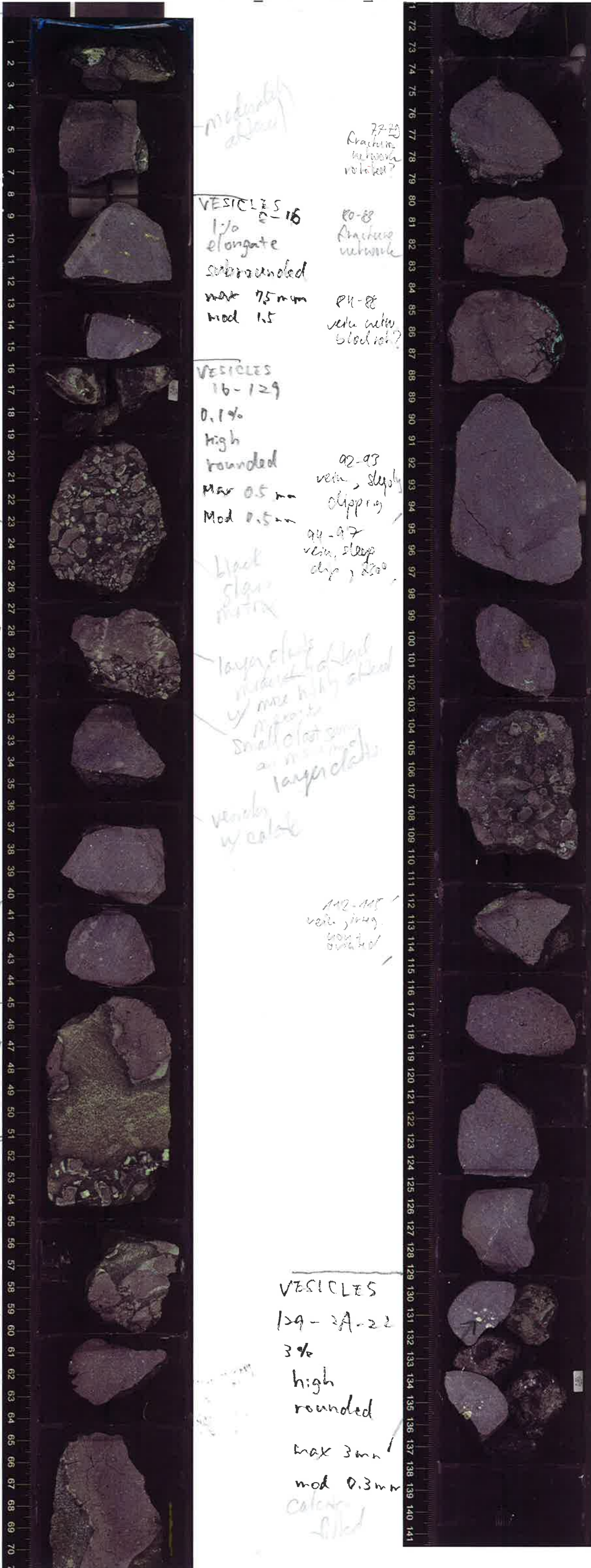
high

rounded

max 3mm

mod 0.3mm

caliche
filled



UNIT 61 P: 10-8

330-U1372A-23R-2-A_SHLF2710951_20101227130723

2.5-4
leucite,
step dip →
105°



VESICLES
22-3A-10
0.1 φ
High
Rounded
max: 2 mm
mod: 0.5 mm
31-35
3 veid, irreg,
isolated



moderate
abund

UNIT 61

P 1-9

330-U1372A-24R-1-A_SHLF2711891_20101227180329

5-9
vein netw.
irreg. 0.2mm
rotated blood

14-17
vein netw.
irreg. 0.1mm

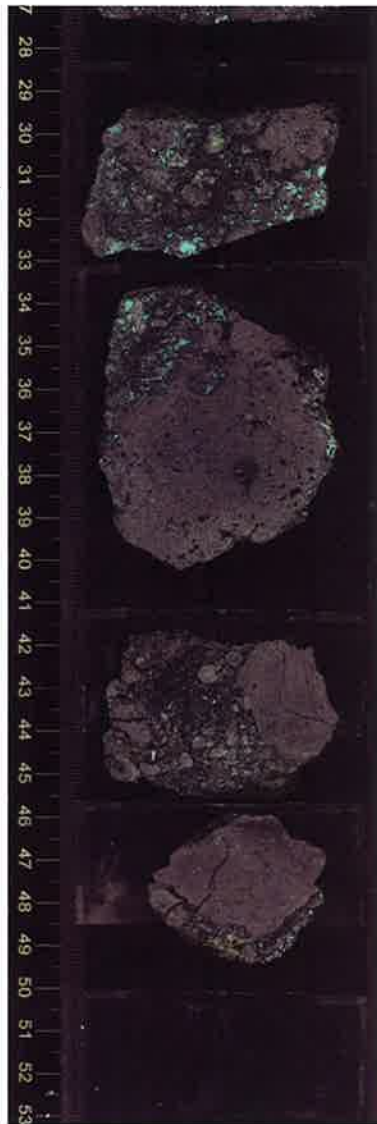
29-30
vein netw.
irreg. 0.1mm

34.5-40
vein netw.
curved
0.1mm

42-45
vein network
curved 0.1mm

48-49
vein network, 1mm
branched, rotated blood

VESICLES
10-50
10%
Low, Subrounded
Max: 3mm
Mod: 0.5mm



UNIT 61 P:1-12

330-U1372A-25R-1-A_SHLF2712201_20101227181735

VESICLES

1/4
Moderate
Subrounded
Max: 2.5mm
Mod: 0.5mm

12-13
vein web
sigm. steep dip.

24-26
vein webwork,
irreg. non-orient.

49-51
vein irreg
non-orient
lots of
blood?

67-68
webwork of
veins
lots of blood?

