IODP-MSP (Exp. 357 ~~325~~) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
357	76	A	1	R	1

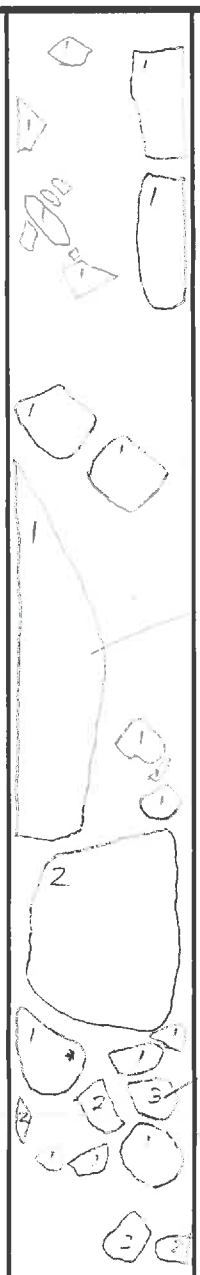
Observers
AM shift.

DIS ENTERED

[cm] | Scanned Image | Unit | Sketch | Lithology | Alteration | Veins and Structure | Description

0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80

Unit: 1 | 2

Sketch:


Lithology:
Sedimentary breccia
1. basalt
~12cm fragment
fine vesicles 0.1 - 5mm
2. Dolerite
ol 5%
pl 45%
cpx 50%
one reworked clast
Sedimentary breccia
3. serpentinite
~ 2cm fragments
sub-rounded

Alteration:
fine alteration of the basalt visible, only weathering of the surface to brown oxides/hydroxides
2: brown, orange, black
TA: 0x -> 100%
IA: mod, local.
• oxides/hydroxides
3 dark green to black
TA: S -> 100%
IA: S -> 100% -> p
• serp. vngt

Structure:
No measurements

Description:
1) vesicles 2-3% 0.1-1
- Fragments are angular-shaped
- Brown matrix - carbonate, foraminifer-rich mudstone - foraminifers are likely pelagic to lmm.
- clasts poorly to moderately sorted, slightly oriented.

2. Dolerite (vesicular?)
fine-grained All <1mm.
Important to establish if this is true dolerite or if it is unaltered

• Orbicular-like alteration of slightly vesicular (~1%) basalt.

• Green crust-rich matrix ~ 30%
• drilling mud or serp-rich sediment?