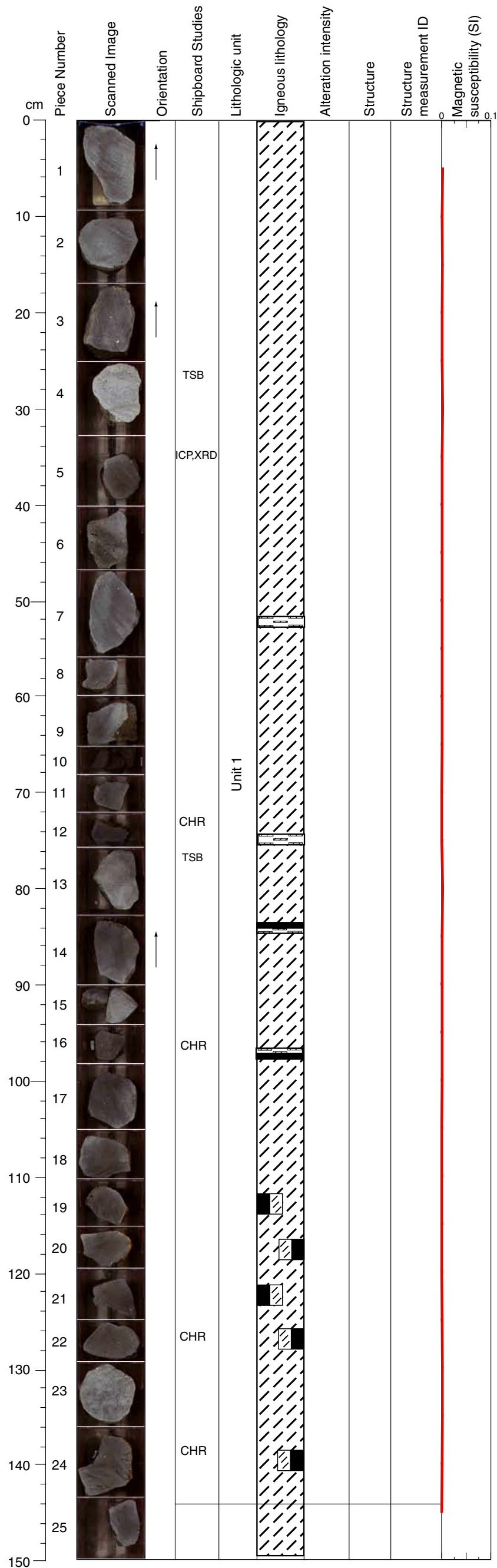


Core Photo



304-U1311A-1R-1 (Section top: 0.00 mbsf)

UNIT-1: PILLOW BASALT

Pieces 1-25

COLOR: Dark gray - black

PRIMARY MINERALOGY: Plagioclase 5-10% as 0.2-0.5 mm seriate needles and clusters in groundmass. Plagioclase as sparse euhedral microphenocrysts up to 2 mm. Olivine as sparse microphenocrysts (< 0.5 mm). Vesicles, 3-5%, round 0.1 mm to elongate and irregular, often interconnected, generally up to 0.5 mm, but up to 2 mm in some areas (e.g., Piece 6). Basalt glass rims on some pieces. Micro-crystalline, glassy groundmass.

COMMENTS: Pillow basalt pieces, mostly broken, not cut by drill, but with generally unaltered fracture surfaces, suggesting that they are derived from in situ pillows. Interiors minimally altered --- some light brown coloration in vesicles near outer surfaces. Multiple dark rings suggest pervasive, but otherwise invisible, low temperature alteration. Spherulitic outer zones not well developed and difficult to see in hand specimen. Groundmass is microcrystalline. Where present, glass is 1-3 mm thick with 50-100% palagonitization close to outer surfaces. Fresh glass is still present. Sparse anhedral olivine and prismatic plagioclase microphenocrysts <0.5 mm, very rarely larger.

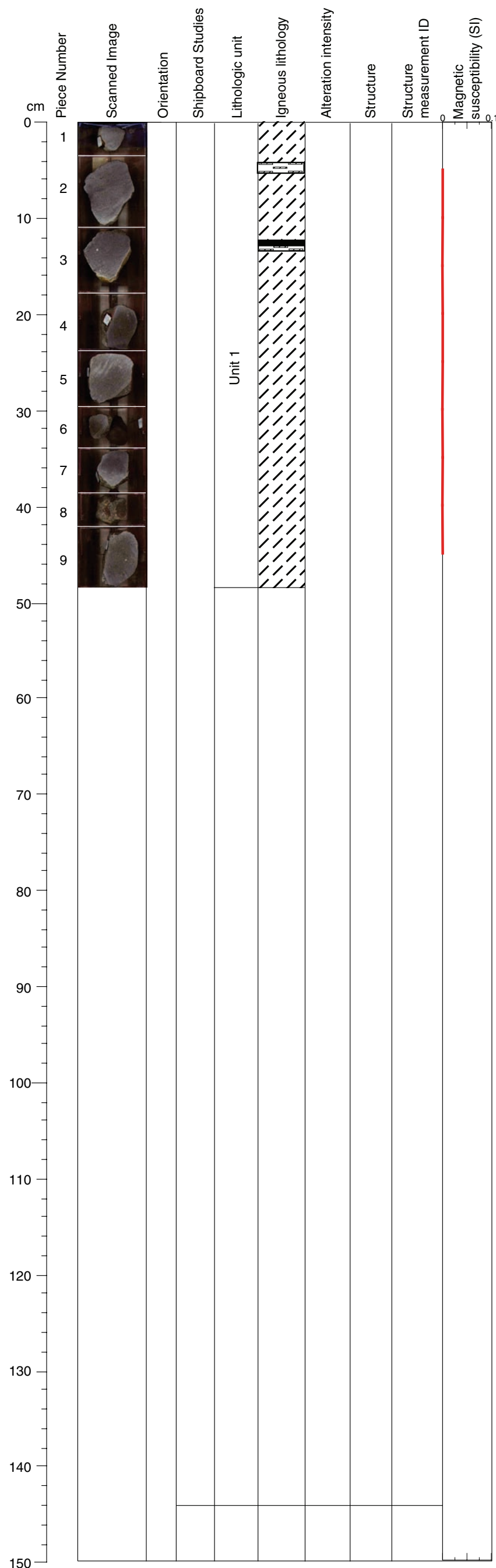
ALTERATION: Rocks show less than 1% alteration. Pieces 1,2, 6, 13, and 25 show slight brown alteration in vesicles. Pieces 3 and 18 have a slight brownish rim that may be up to 0.5 cm thick. Piece 4 has a rim that is 1.5 cm thick in which plagioclase appears brown. Pieces 14, 19, 20, and 24 have red brown palagonite alteration on glassy surface.

THIN SECTIONS:

- 304-U1311A-1R-1, 26-29 cm (#139)
- 304-U1311A-1R-1, 76-78 cm (#140)



Core Photo








304-U1311A-1R-2 (Section top: 12.0 mbsf)

UNIT-1: Pillow Basalt (Continues from 1R-2)  
 Pieces 1-9  
 COLOR: Dark gray to black  
 PRIMARY MINERALOGY: N/A  
 COMMENTS: Continues unchanged from 1R-1.  
 SECONDARY MINERALOGY: Rocks are less than 1% altered. Piece 1 has brownish discoloration in vesicles.  
 COMMENTS: N/A  
 VEIN ALTERATION: N/A  
 THIN SECTIONS: N/A  
 STRUCTURE: N/A



Core Photo

cm	Piece Number	Scanned Image	Orientation	Shipboard Studies	Lithologic unit	Igneous lithology	Alteration intensity	Structure	Structure measurement ID	Magnetic susceptibility (SI)
0										
1	1				Unit 1					No obtainable data present.
2	2									
3	3									
4	4									
10										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

304-U1311A-2G-1 (Section top: 0.00 mbsf)

UNIT-1: Pillow Basalt (Continues from 1R-2)

Pieces 1-4

COLOR: Dark gray to black

PRIMARY MINERALOGY: N/A

COMMENTS: Continues from 1R-1, 2.

SECONDARY MINERALOGY: N/A

COMMENTS: N/A

VEIN ALTERATION: N/A

THIN SECTIONS: N/A

STRUCTURE: N/A