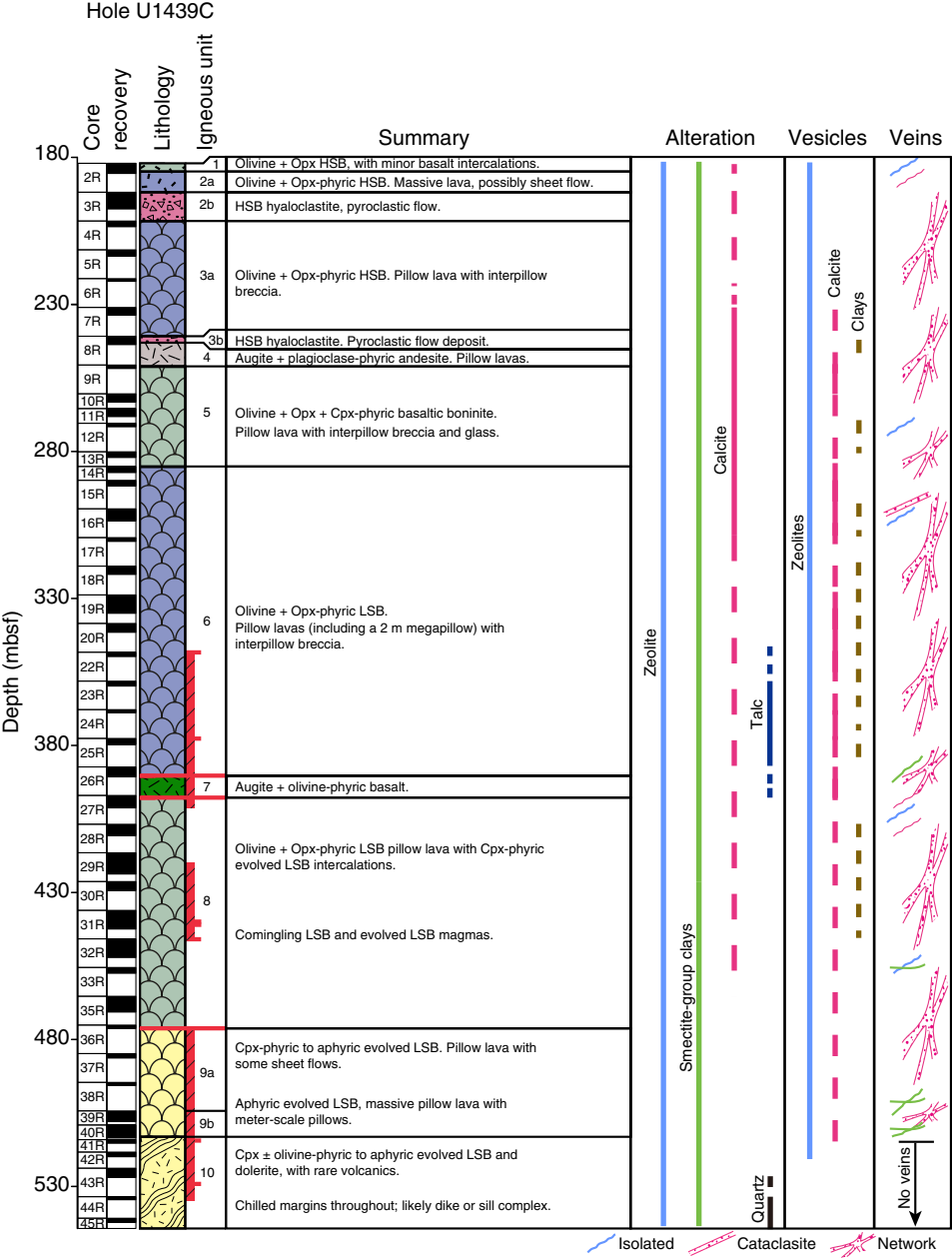
Hole U1439C
Core recovery
Lithology
Igneous unit
Summary
Alteration
Vesicles
Veins
Depth (mbsf)
180
230
280
330
380
430
480
530
2R
3R
4R
5R
6R
7R
8R
9R
10R
11R
12R
13R
14R
15R
16R
17R
18R
19R
20R
22R
23R
24R
25R
26R
27R
28R
29R
30R
31R
32R
33R
35R
36R
37R
38R
39R
40R
41R
42R
43R
44R
45R
1
Olivine + Opx HSB, with minor basalt intercalations.
2a
Olivine + Opx-phyric HSB. Massive lava, possibly sheet flow.
2b
HSB hyaloclastite, pyroclastic flow.
3a
Olivine + Opx-phyric HSB. Pillow lava with interpillow breccia.
3b
HSB hyaloclastite. Pyroclastic flow deposit.
4
Augite + plagioclase-phyric andesite. Pillow lavas.
5
Olivine + Opx + Cpx-phyric basaltic boninite.
Pillow lava with interpillow breccia and glass.
6
Olivine + Opx-phyric LSB.
Pillow lavas (including a 2 m megapillow) with interpillow breccia.
7
Augite + olivine-phyric basalt.
8
Olivine + Opx-phyric LSB pillow lava with Cpx-phyric evolved LSB intercalations.
Comingling LSB and evolved LSB magmas.
9a
Cpx-phyric to aphyric evolved LSB. Pillow lava with some sheet flows.
9b
Aphyric evolved LSB, massive pillow lava with meter-scale pillows.
10
Cpx ± olivine-phyric to aphyric evolved LSB and dolerite, with rare volcanics.
Chilled margins throughout; likely dike or sill complex.
Zeolite
Smectite-group clays
Calcite
Talc
Quartz
Zeolites
Calcite
Clays
No veins
Isolated
Cataclasite
Network