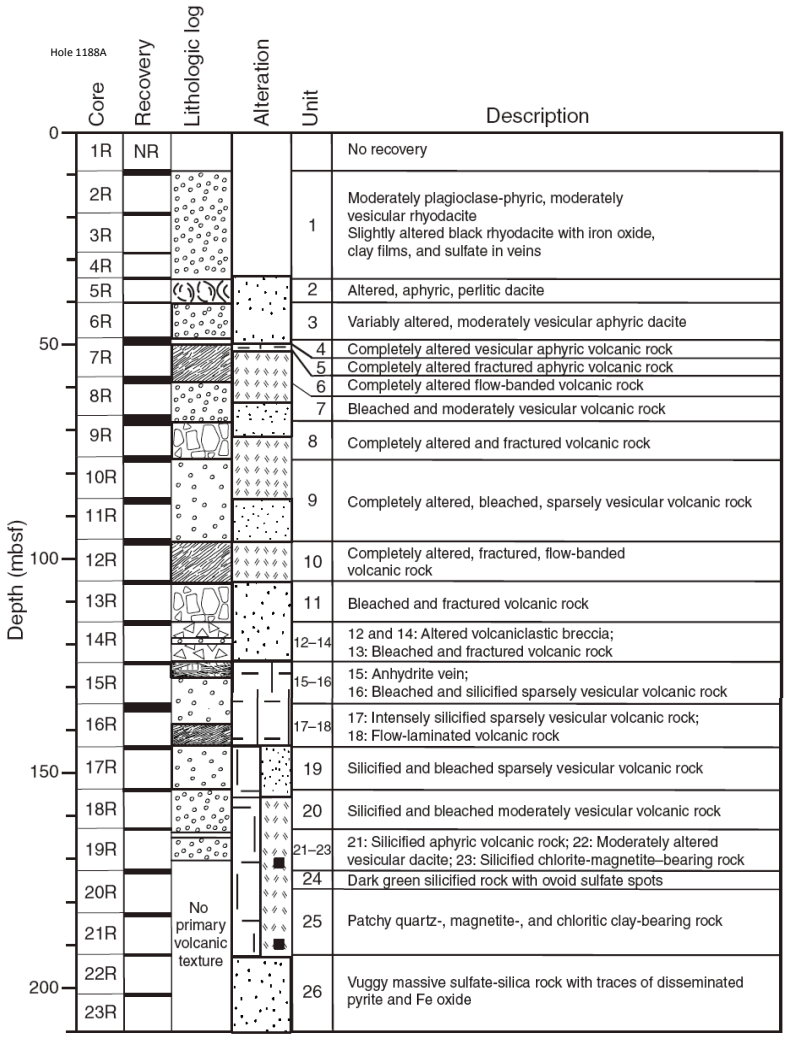
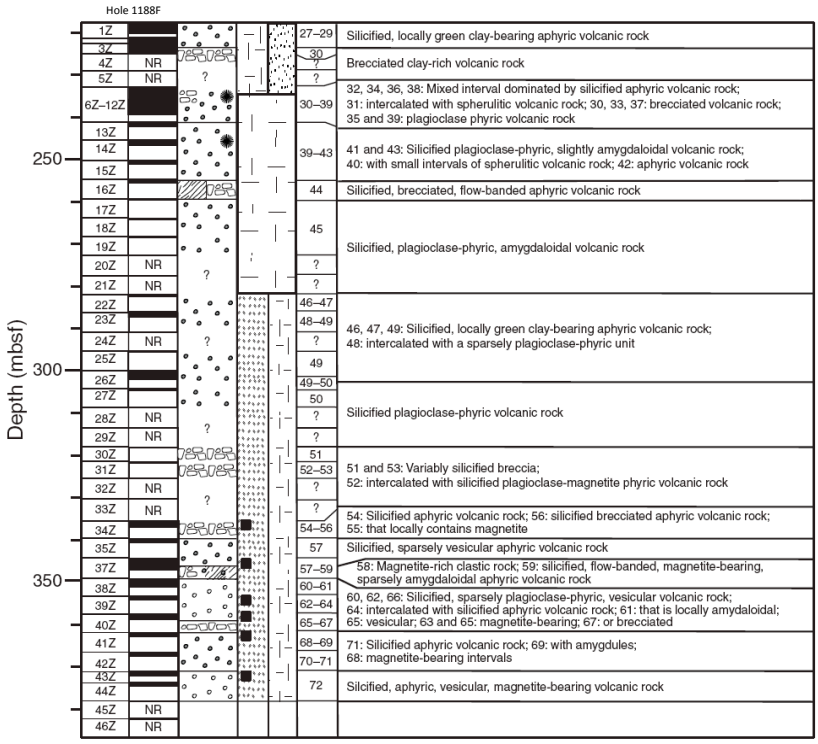

Hole 1188A
Core
Recovery
Lithologic log
Alteration
Unit
Description
Depth (mbsf)
0
50
100
150
200
1R NR
2R
3R
4R
5R
6R
7R
8R
9R
10R
11R
12R
13R
14R
15R
16R
17R
18R
19R
20R
21R
22R
23R
No primary volcanic texture
1 Moderately plagioclase-phyric, moderately vesicular rhyodacite Slightly altered black rhyodacite with iron oxide, clay films, and sulfate in veins
2 Altered, aphyric, perlitic dacite
3 Variably altered, moderately vesicular aphyric dacite
4 Completely altered vesicular aphyric volcanic rock
5 Completely altered fractured aphyric volcanic rock
6 Completely altered flow-banded volcanic rock
7 Bleached and moderately vesicular volcanic rock
8 Completely altered and fractured volcanic rock
9 Completely altered, bleached, sparsely vesicular volcanic rock
10 Completely altered, fractured, flow-banded volcanic rock
11 Bleached and fractured volcanic rock
12–14 12 and 14: Altered volcaniclastic breccia; 13: Bleached and fractured volcanic rock
15–16 15: Anhydrite vein; 16: Bleached and silicified sparsely vesicular volcanic rock
17–18 17: Intensely silicified sparsely vesicular volcanic rock; 18: Flow-laminated volcanic rock
19 Silicified and bleached sparsely vesicular volcanic rock
20 Silicified and bleached moderately vesicular volcanic rock
21–23 21: Silicified aphyric volcanic rock; 22: Moderately altered vesicular dacite; 23: Silicified chlorite-magnetite–bearing rock
24 Dark green silicified rock with ovoid sulfate spots
25 Patchy quartz-, magnetite-, and chloritic clay-bearing rock
26 Vuggy massive sulfate-silica rock with traces of disseminated pyrite and Fe oxide


Hole 1188F
Depth (mbsf)
250
300
350
1Z
3Z
4Z NR
5Z NR
6Z–12Z
13Z
14Z
15Z
16Z
17Z
18Z
19Z
20Z NR
21Z NR
22Z
23Z
24Z NR
25Z
26Z
27Z
28Z NR
29Z NR
30Z
31Z
32Z NR
33Z NR
34Z
35Z
37Z
38Z
39Z
40Z
41Z
42Z
43Z
44Z
45Z NR
46Z NR
27–29 Silicified, locally green clay-bearing aphyric volcanic rock
30 Brecciated clay-rich volcanic rock
32, 34, 36, 38: Mixed interval dominated by silicified aphyric volcanic rock; 31: intercalated with spherulitic volcanic rock; 30, 33, 37: brecciated volcanic rock; 35 and 39: plagioclase phyric volcanic rock
30–39
39–43 41 and 43: Silicified plagioclase-phyric, slightly amygdaloidal volcanic rock; 40: with small intervals of spherulitic volcanic rock; 42: aphyric volcanic rock
44 Silicified, brecciated, flow-banded aphyric volcanic rock
45 Silicified, plagioclase-phyric, amygdaloidal volcanic rock
46–47
48–49
46, 47, 49: Silicified, locally green clay-bearing aphyric volcanic rock; 48: intercalated with a sparsely plagioclase-phyric unit
49
49–50
50
Silicified plagioclase-phyric volcanic rock
51
52–53 51 and 53: Variably silicified breccia; 52: intercalated with silicified plagioclase-magnetite phyric volcanic rock
54–56 54: Silicified aphyric volcanic rock; 56: silicified brecciated aphyric volcanic rock; 55: that locally contains magnetite
57 Silicified, sparsely vesicular aphyric volcanic rock
57–59 58: Magnetite-rich clastic rock; 59: silicified, flow-banded, magnetite-bearing, sparsely amygdaloidal aphyric volcanic rock
60–61
62–64
65–67
60, 62, 66: Silicified, sparsely plagioclase-phyric, vesicular volcanic rock; 64: intercalated with silicified aphyric volcanic rock; 61: that is locally amydaloidal; 65: vesicular; 63 and 65: magnetite-bearing; 67: or brecciated
68–69
70–71
71: Silicified aphyric volcanic rock; 69: with amygdules; 68: magnetite-bearing intervals
72 Silcified, aphyric, vesicular, magnetite-bearing volcanic rock