

Integrated Ocean Drilling Program

Visual Core Description - Hard Rock -

NO. 1
 DATE: 3/20/2011
 EXP.: 333
 SITE/HOLE: COO12 F
 CORE: 1R
 SECTION: 1
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	ORIENTATION	VEIN	SAMPLES	ALTERATION
0					
1	○ ○ ○ ○ ○ ○ ○ ○ ○ ○				
37.5	▬▬▬▬	↑			
45.5	▬▬▬▬	↑	⬢ ⬢		h
50	▬▬▬▬	↑			h
57.5	▬▬▬▬	↑			vh
67	▬▬▬▬		⬢ ⬢		h
77.5	▬▬▬▬				h
81	▬▬▬▬				h
88	▬▬▬▬				h
90.5	▬▬▬▬				h
96.5	▬▬▬▬				h
100	▬▬▬▬				h

SECTION DESCRIPTION

OBSERVER: A.Y.

1. Mixture of red claystone / gray mudstone
2. Altered red claystone. Upper half: lighter brown colored & dark green-colored vein (thickness < 1cm). Lower half: greenish-colored altered zone cut by anastomosing whitish veins.
3. Boundary between pillow basalt & red claystone.
Subvertical
4. Red claystones are brecciated, to < 2cm diameter subrounded clasts. Whitish veins fill the gap between clasts.
5. Basalt: hp, Pl & Px, ht v. altered rim. These pieces look like COO12E-3X-7, 110-120cm.
- 6: Basalt: hp, Pl & Px, ht v. Surrounded by green veins (celadonite?) & red clay.
- 7: gravels including transparent euhedral crystals (maybe analcime) & pyrite cubic crystals
- 8: hp, Pl & Px, ht v. (including ~ 1cm dark clast)
- 9: hp, Pl & Px, ht v, including ~ 1cm dark clast
- 10: hp, Pl & Px, sv.
- 11: hp, Pl & Px, mv.

Integrated Ocean Drilling Program

Visual Core Description - Hard Rock -

NO. 2
 DATE 06/10/2011
 EXP. 333
 SITE/HOLE: G0012F
 CORE: 1R
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	ORIENTATION	VEIN	SAMPLES	ALTERATION
0						
10	1	✓ ✓ ✓			TSS TSE	M
23.5	2	✓ ✓	↑			h
50						
100						
150						

SECTION DESCRIPTION

1:) hp. Pl + Px, mv.
 2: 6

OBSERVER: A.Y.

Integrated Ocean Drilling Program
 Visual Core Description - Hard Rock -

NO. 3
 DATE: 06/10/11 20/11
 EXP.: 333
 SITE/HOLE: G012F
 CORE: 2R
 SECTION: 1
 TOP DEPTH (m CSF): 522.5

PIECE #	GRAPHIC REPRESENTATION	ORIENTATION	VEIN	SAMPLES	ALTERATION
1	○ ○ ○ ○ ○				
2	⌒ ⌒ ⌒ ⌒ ⌒	↑	⌒		ha
3	⌒ ⌒ ⌒ ⌒ ⌒				ha
4	⌒ ⌒ ⌒ ⌒ ⌒	↑	⌒	PWP PMP XRP XRF	ha
5	⌒ ⌒ ⌒ ⌒ ⌒	↑	⌒		ha
6	⌒ ⌒ ⌒ ⌒ ⌒		⌒		cha
7	⌒ ⌒ ⌒ ⌒ ⌒		⊗		cha

SECTION DESCRIPTION

OBSERVER: A.Y.

- 1: Gravels of mud, sand, red clay.
 - 2: hp, Pl+Px, hcp with transparent & green vein.
 - 3: Gravels
 - 4: Separated long piece hp, Pl+Px, hcp. Central part (62-64m) keeps black color. Heterogeneously altered.
 - 5: Heterogeneously altered, with analcime(?) vein, hp, Pl+Px.
 - 6: hp, Pl+Px, hcp. very highly altered, with analcime(?) vein.
 - 7: Gravels with analcime(?) vein.
- 5, 6: Reddish-colored alteration crossing vein.

Integrated Ocean Drilling Program
Visual Core Description - Hard Rock -

NO. 4
 DATE: 06/1/20 11
 EXP.: 333
 SITE/HOLE: Coo/2F
 CORE: 2R
 SECTION: CC
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	ORIENTATION	VEIN	SAMPLES	ALTERATION
0					
1	✓		◇		ma
15	✓				
2	✓				vha
30	✓				
3	✓	↑			ha
41	✓				
50					
100					
150					

SECTION DESCRIPTION

OBSERVER: A.Y.

1: 5 Gravels with analcite (?) vein
 2: Gravels
 3: ha, Pl+Px, mv.
 Subhorizontal & subvertical
 clay & zeolite (?) veins.
 heterogeneously altered.