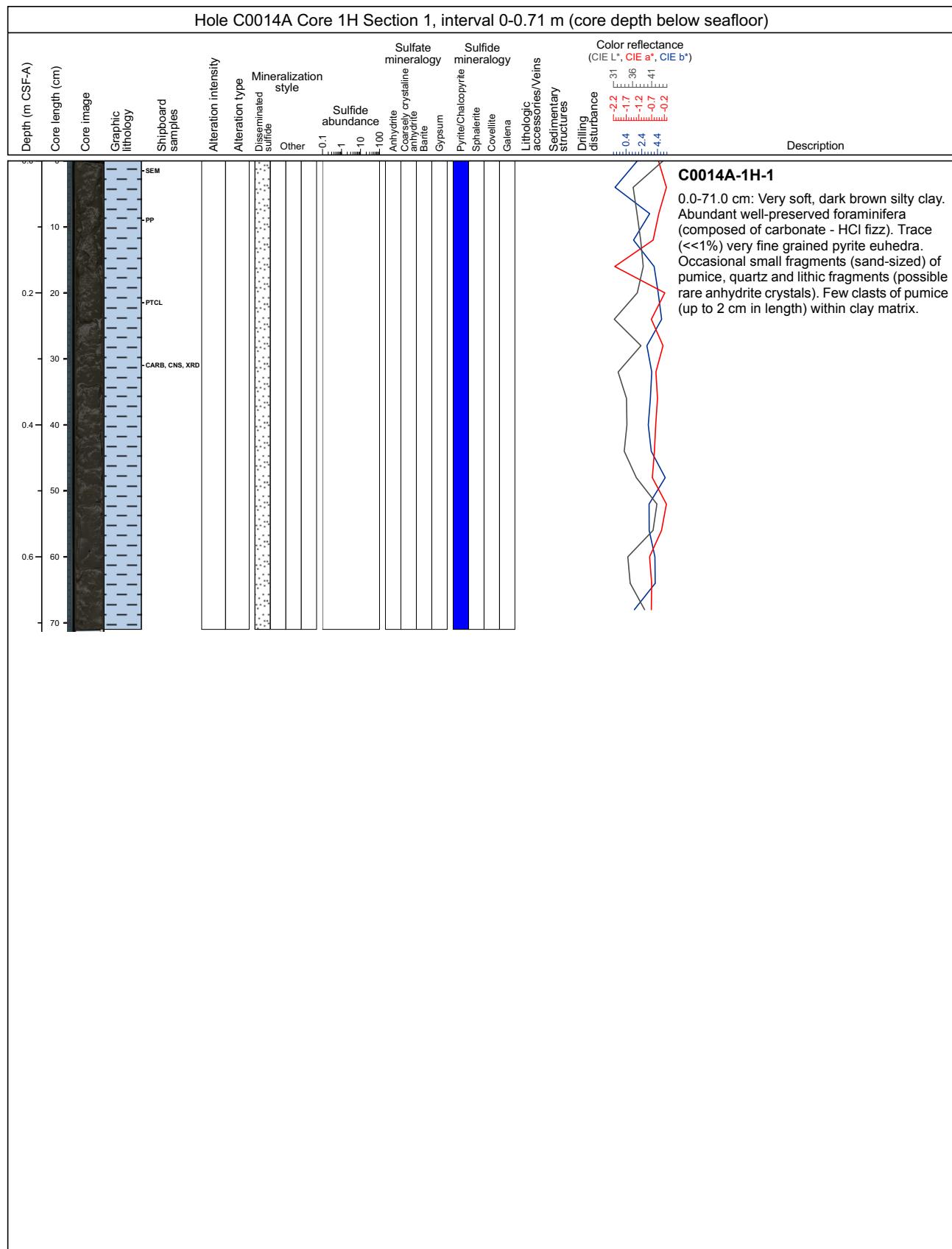
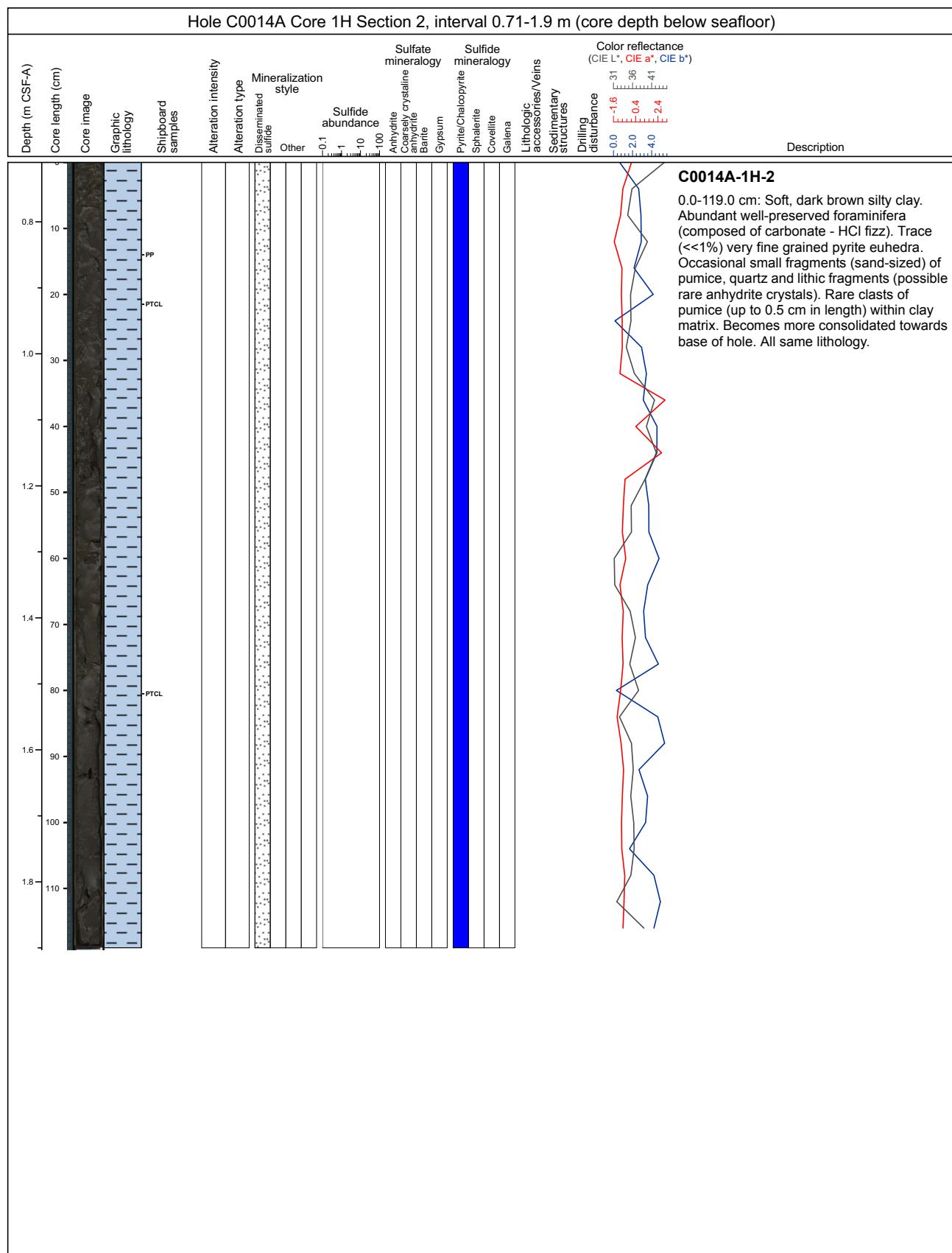


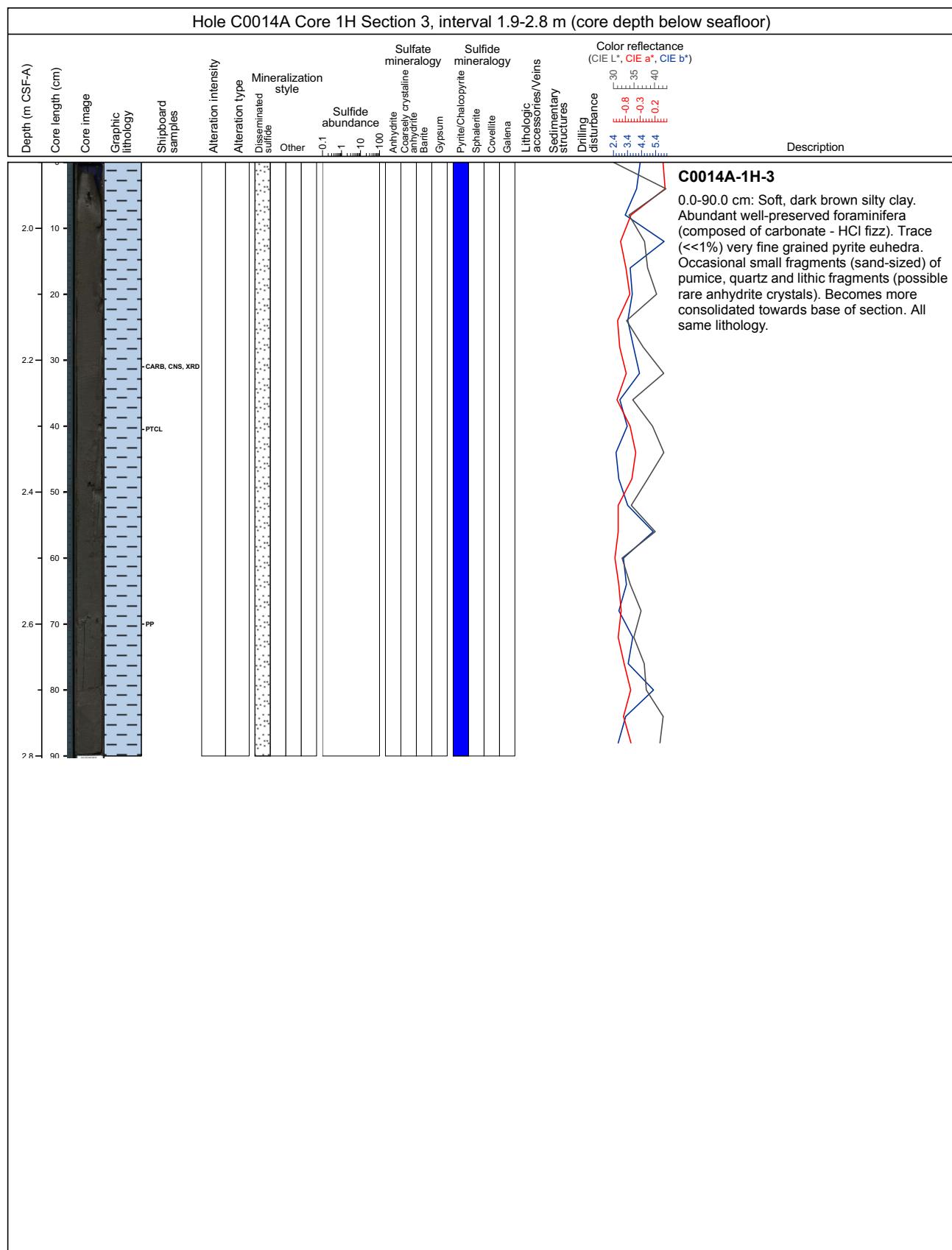
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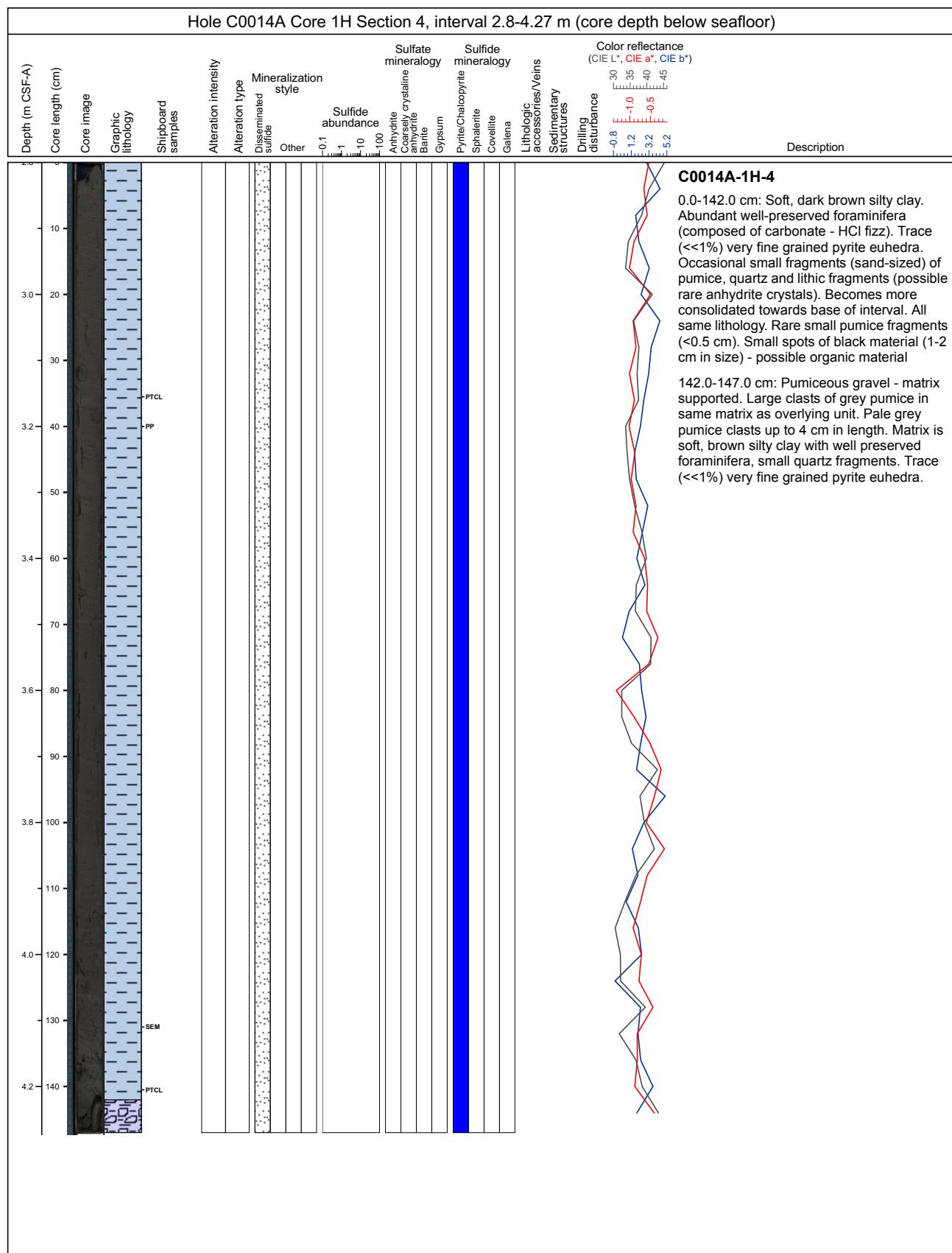
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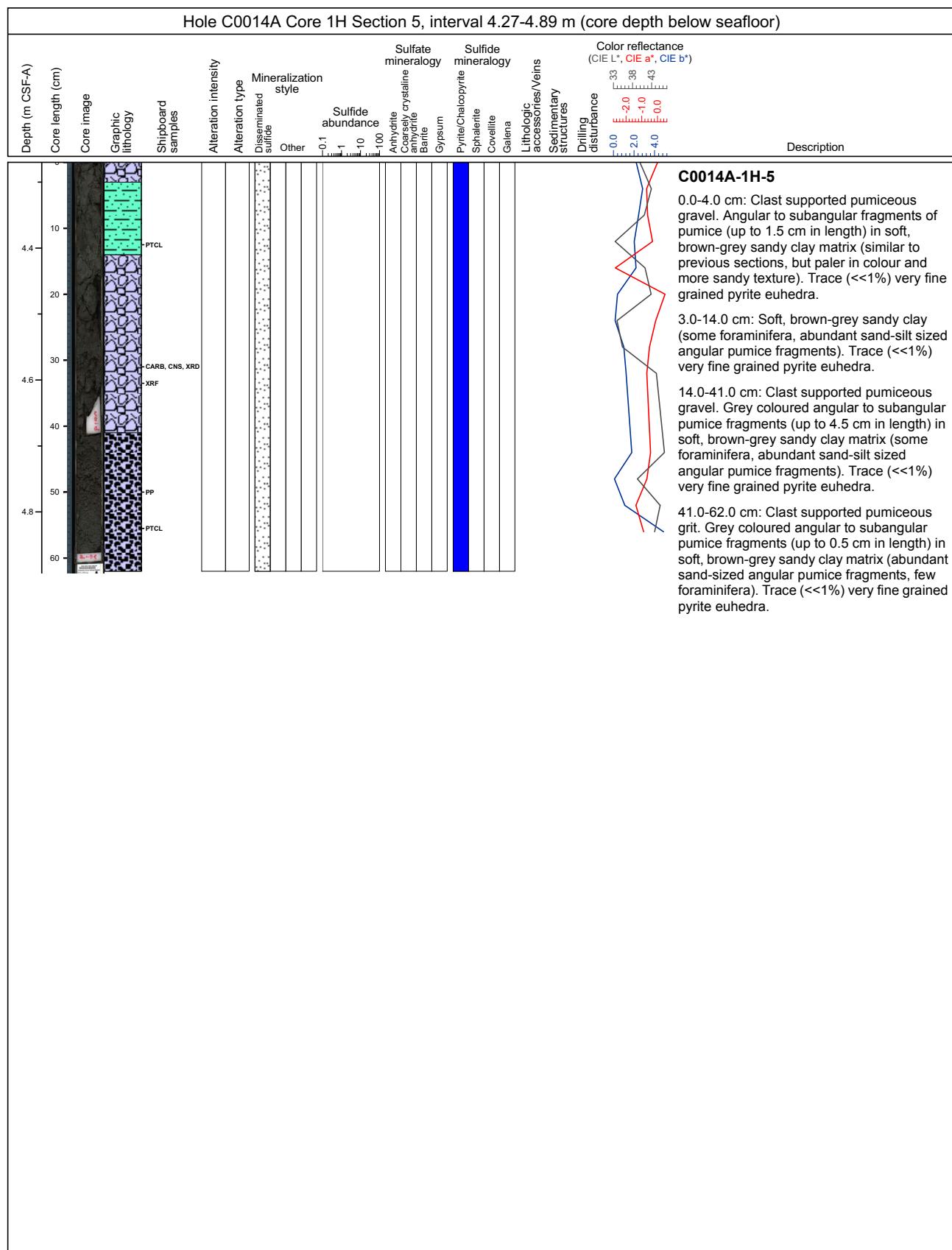
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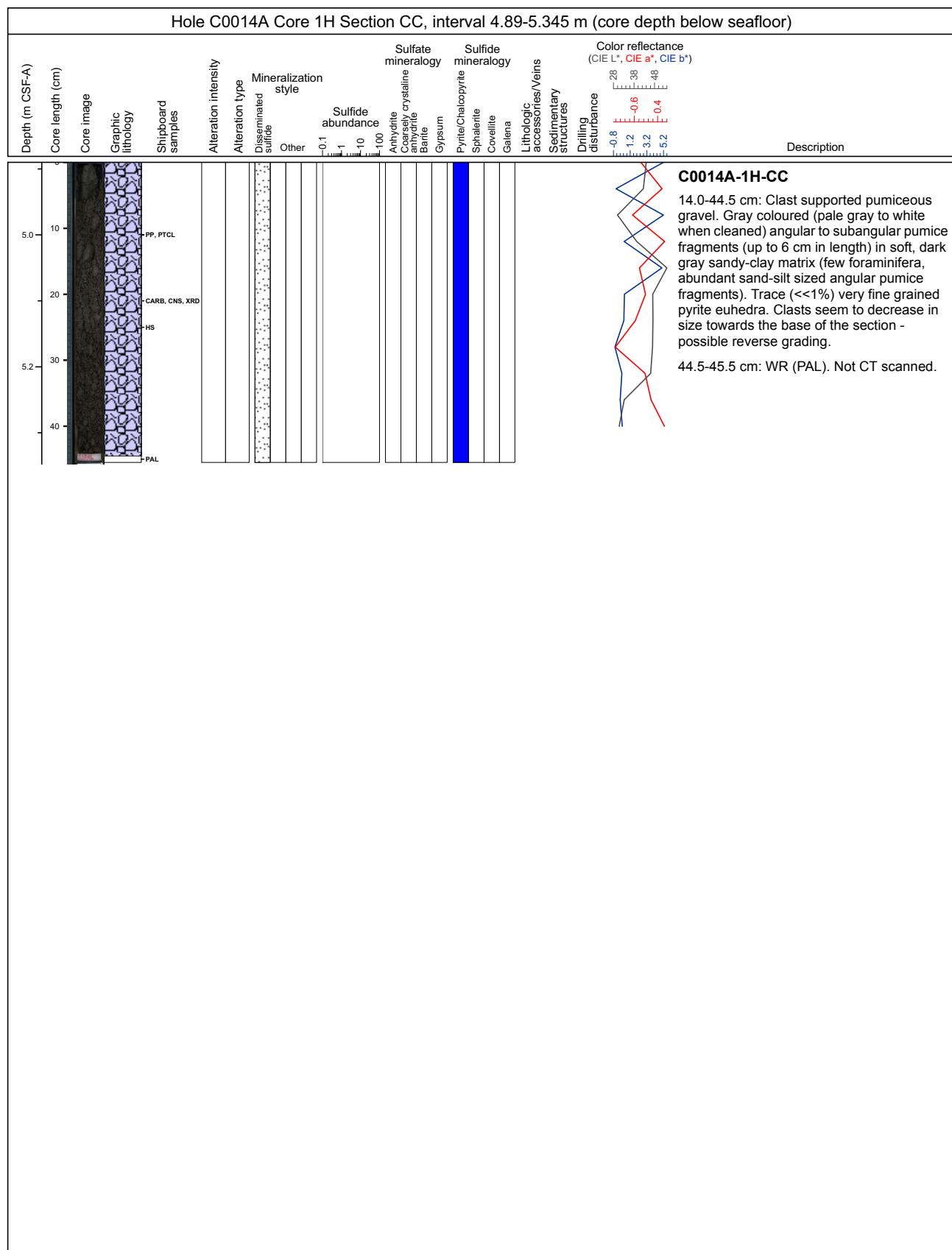
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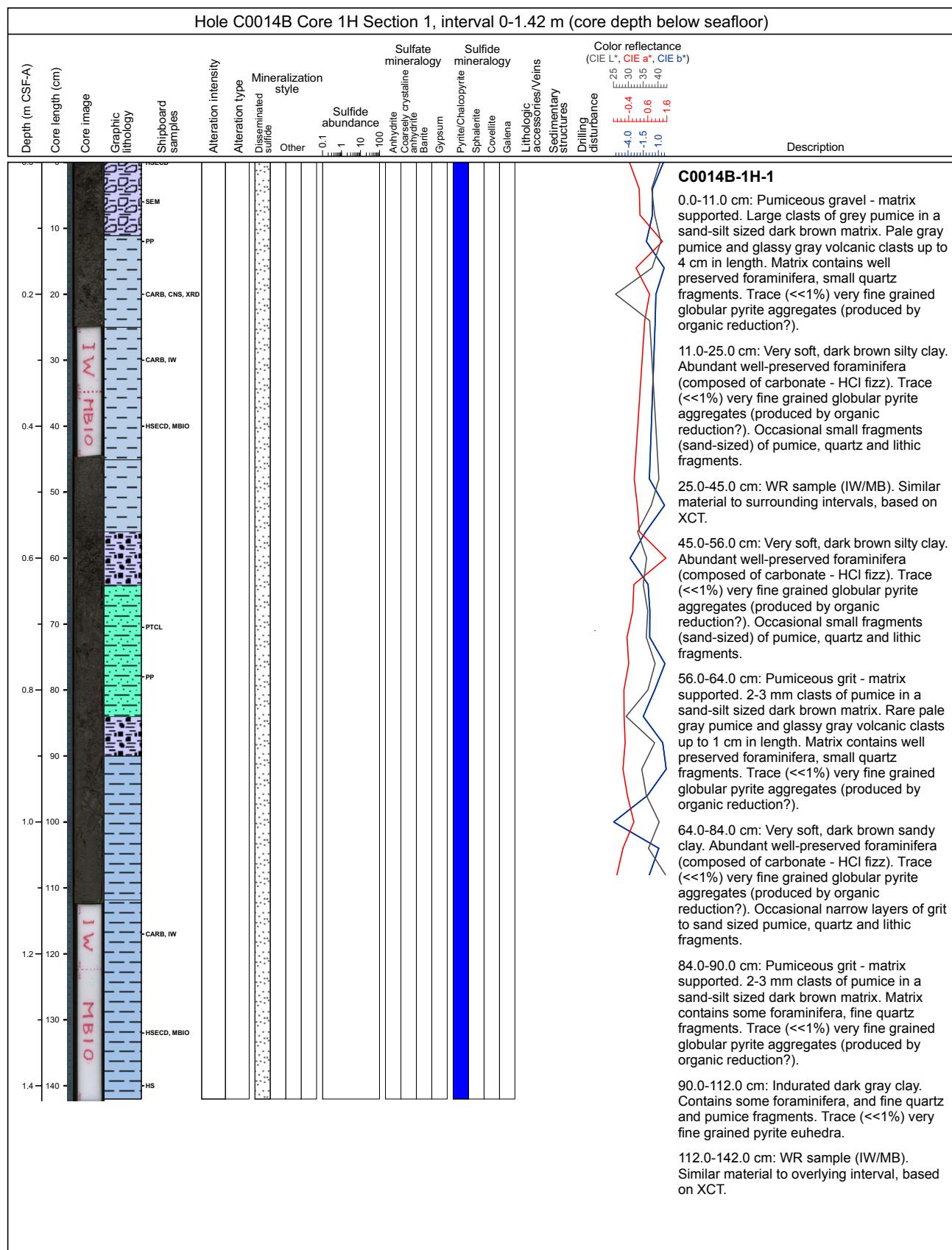
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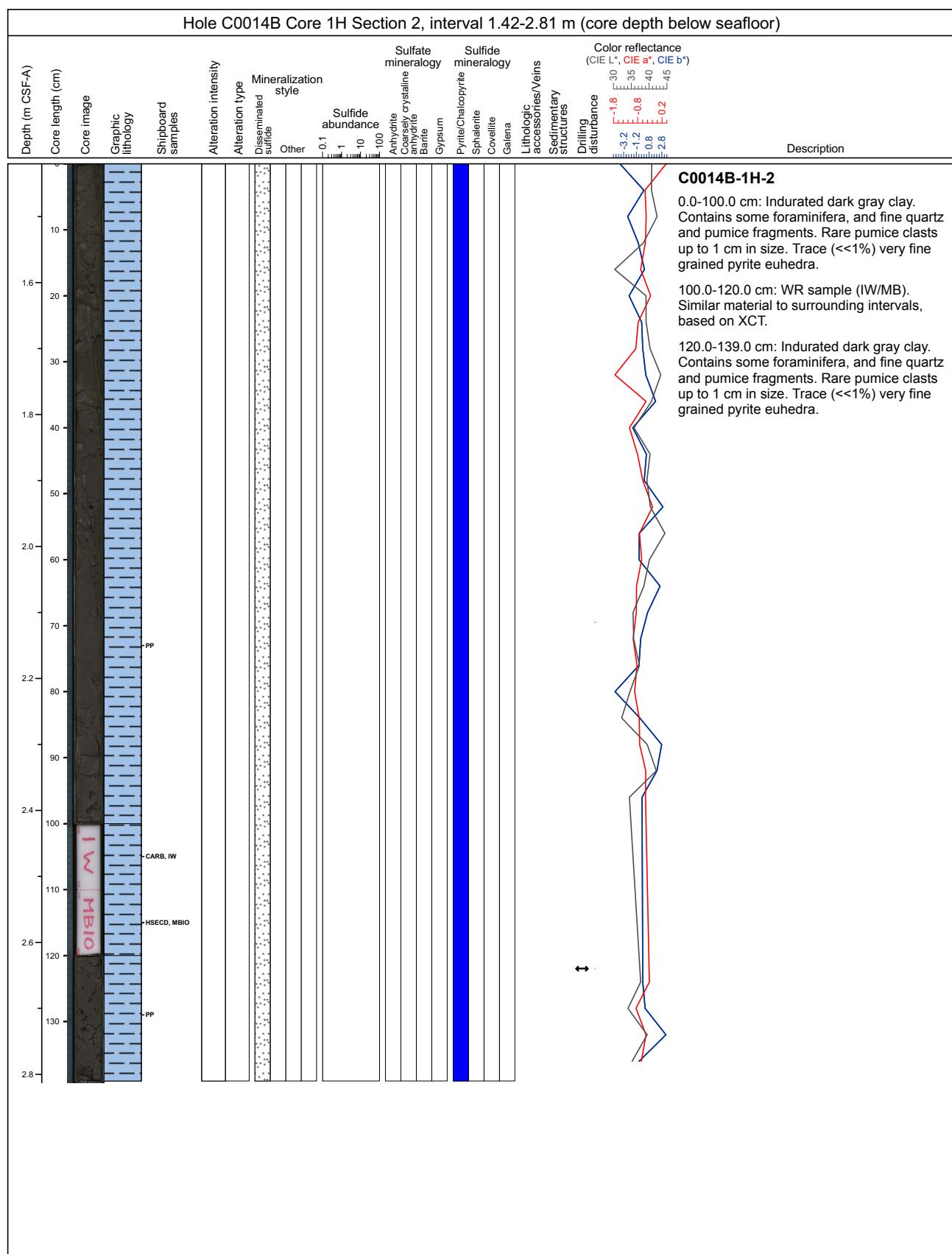
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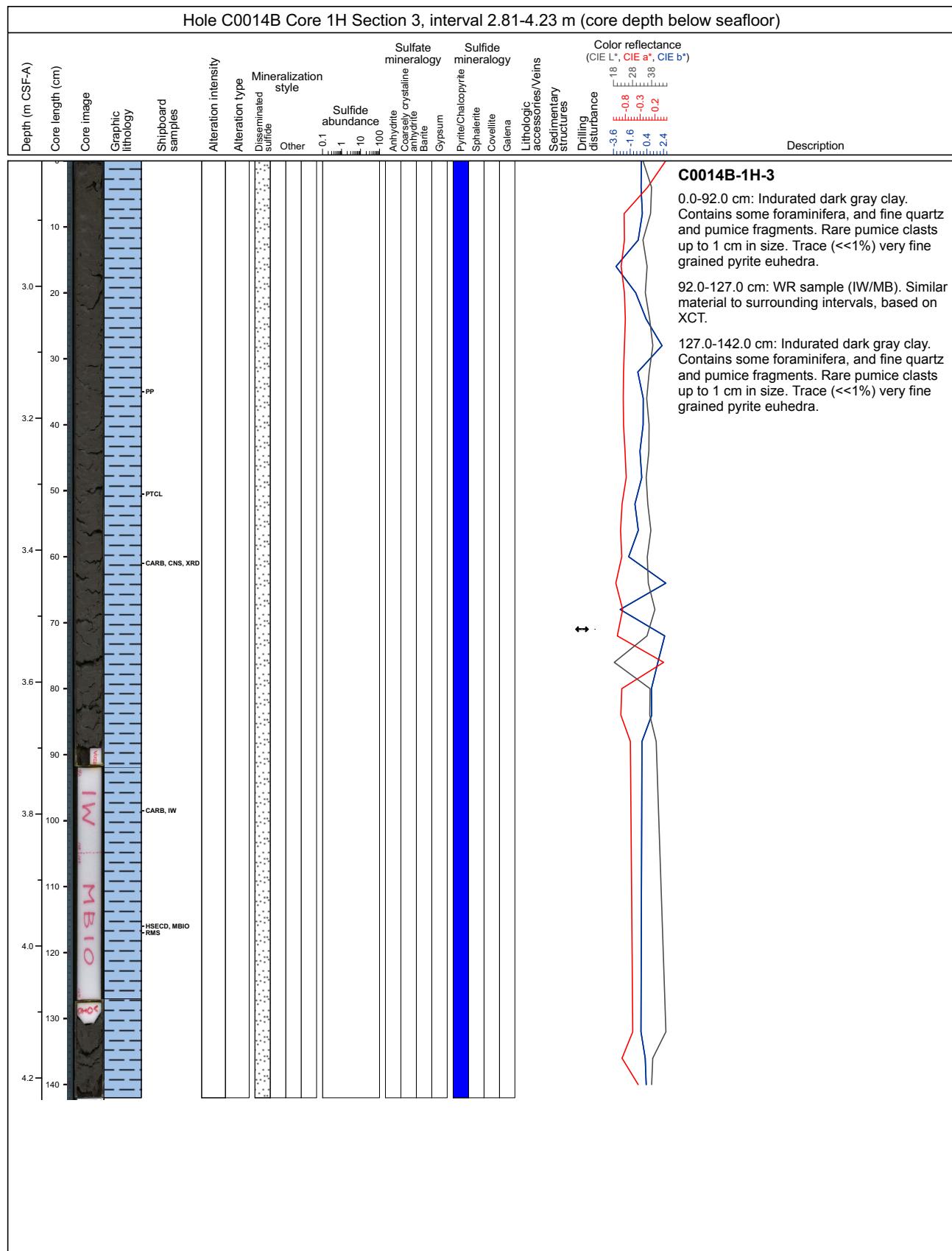
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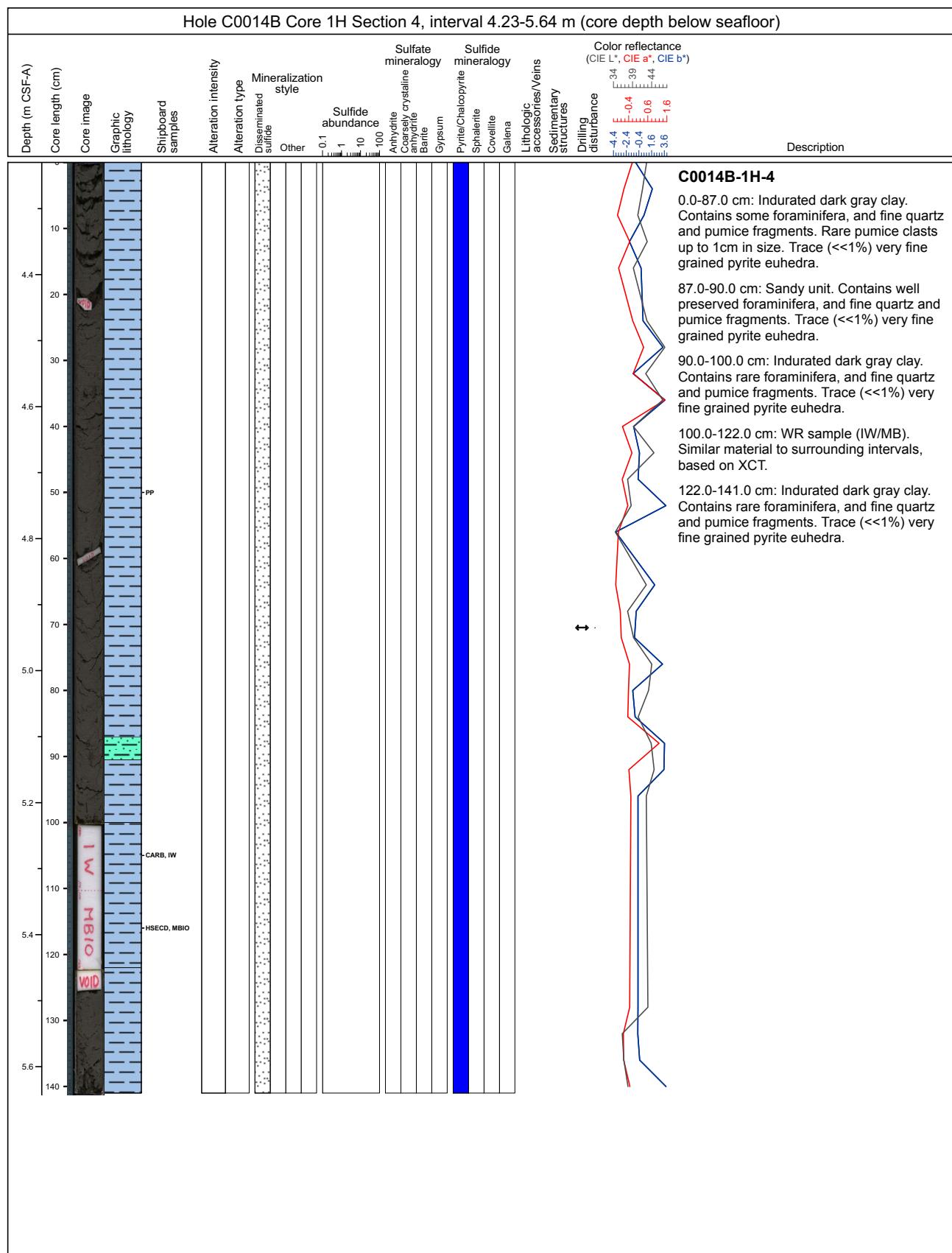
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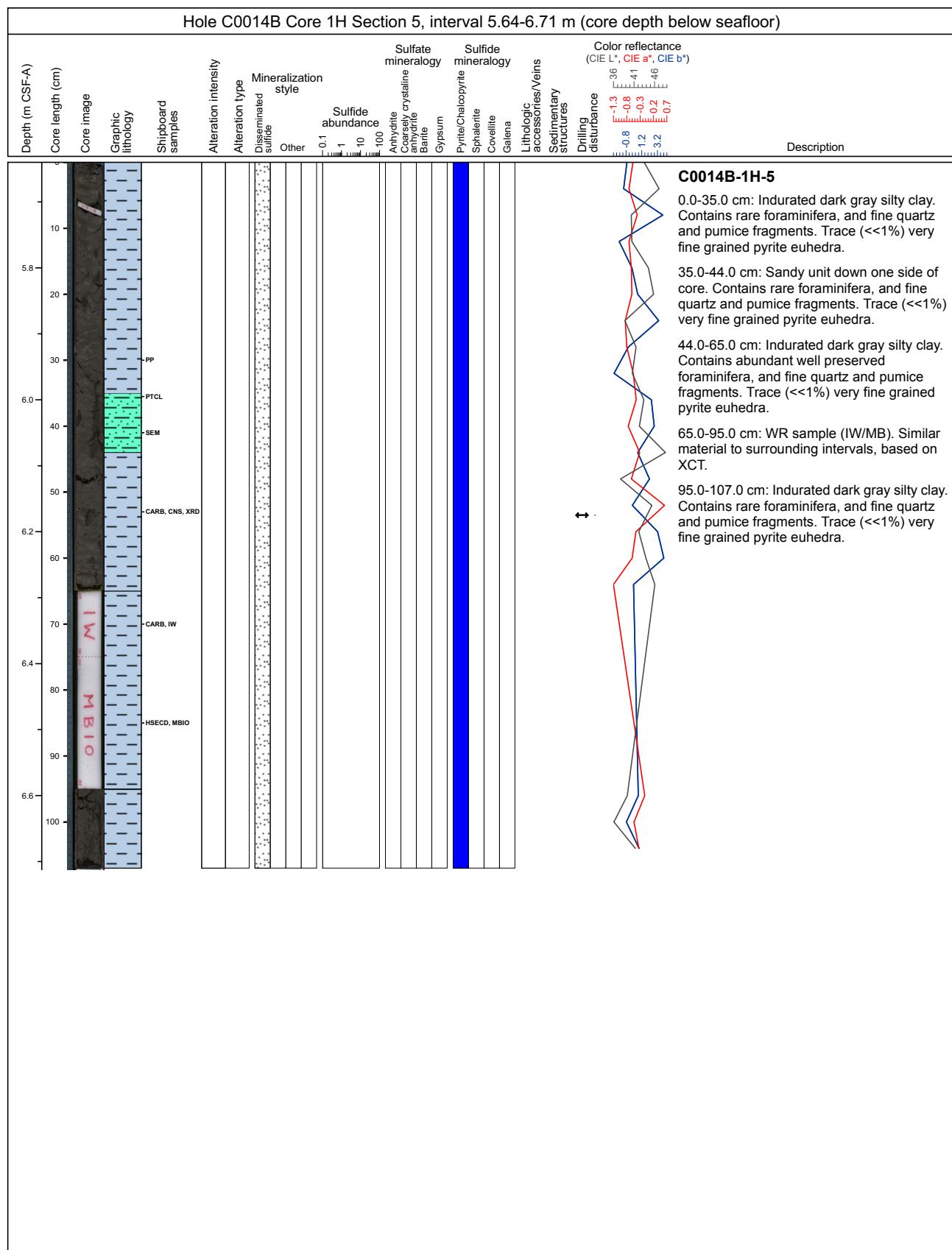
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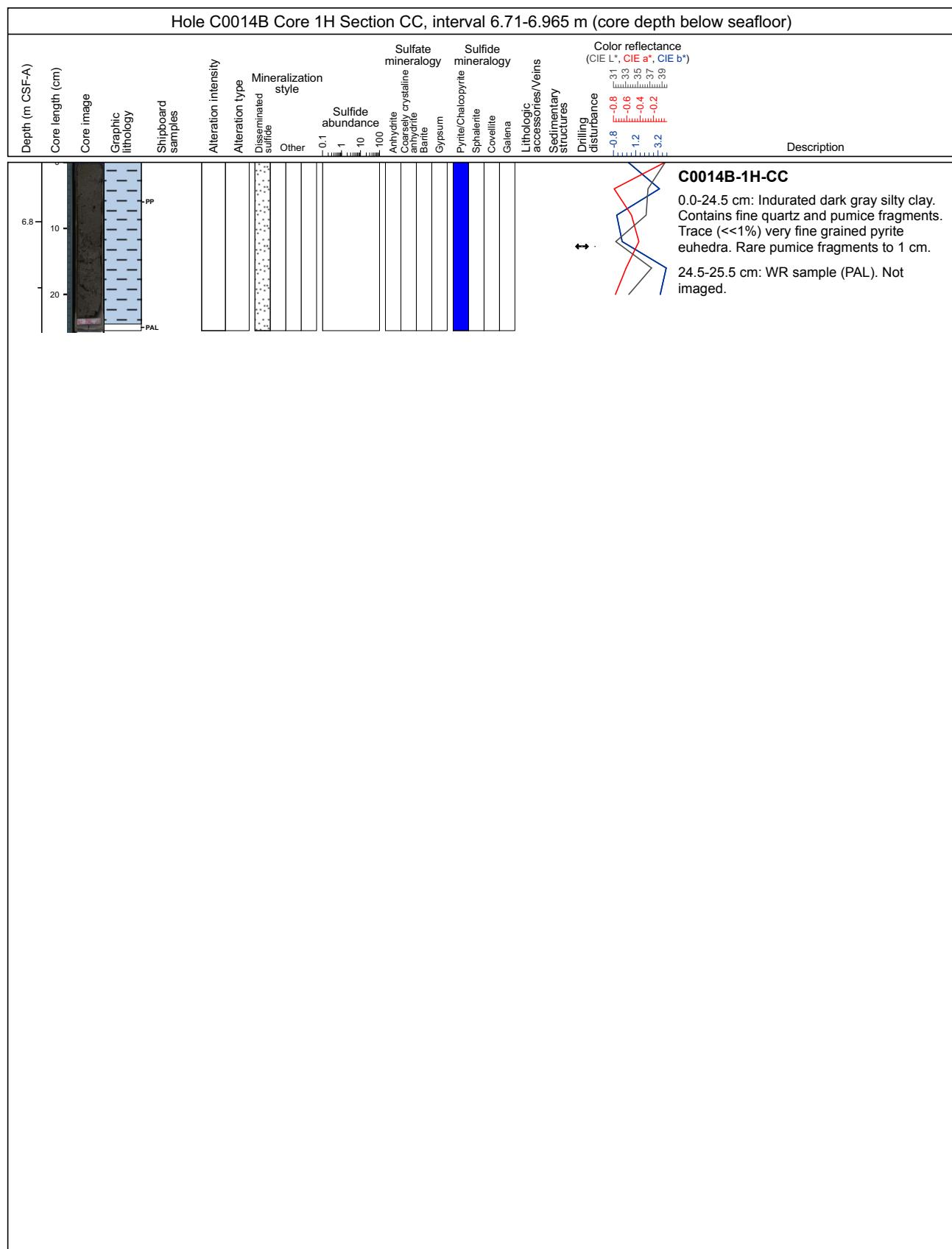
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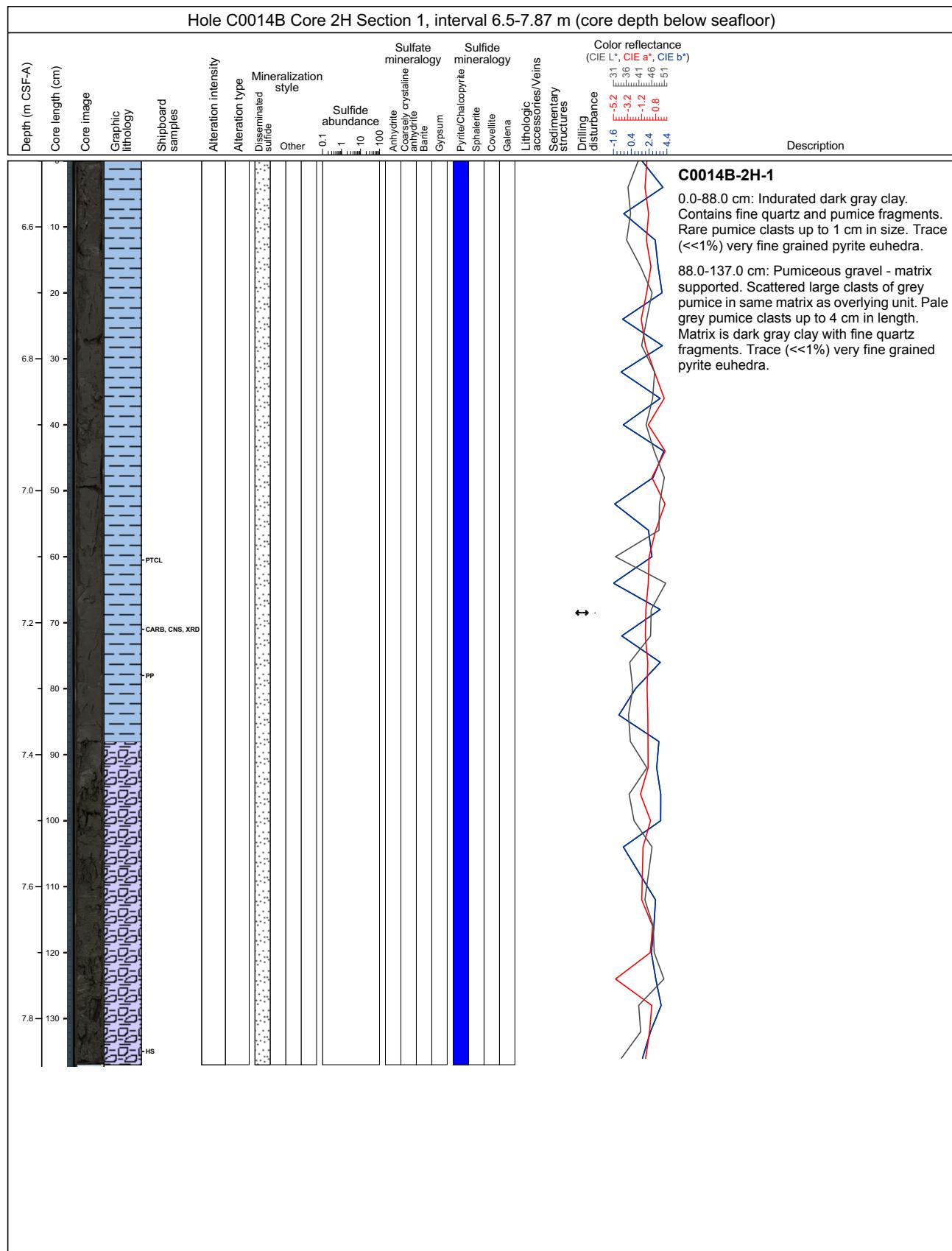
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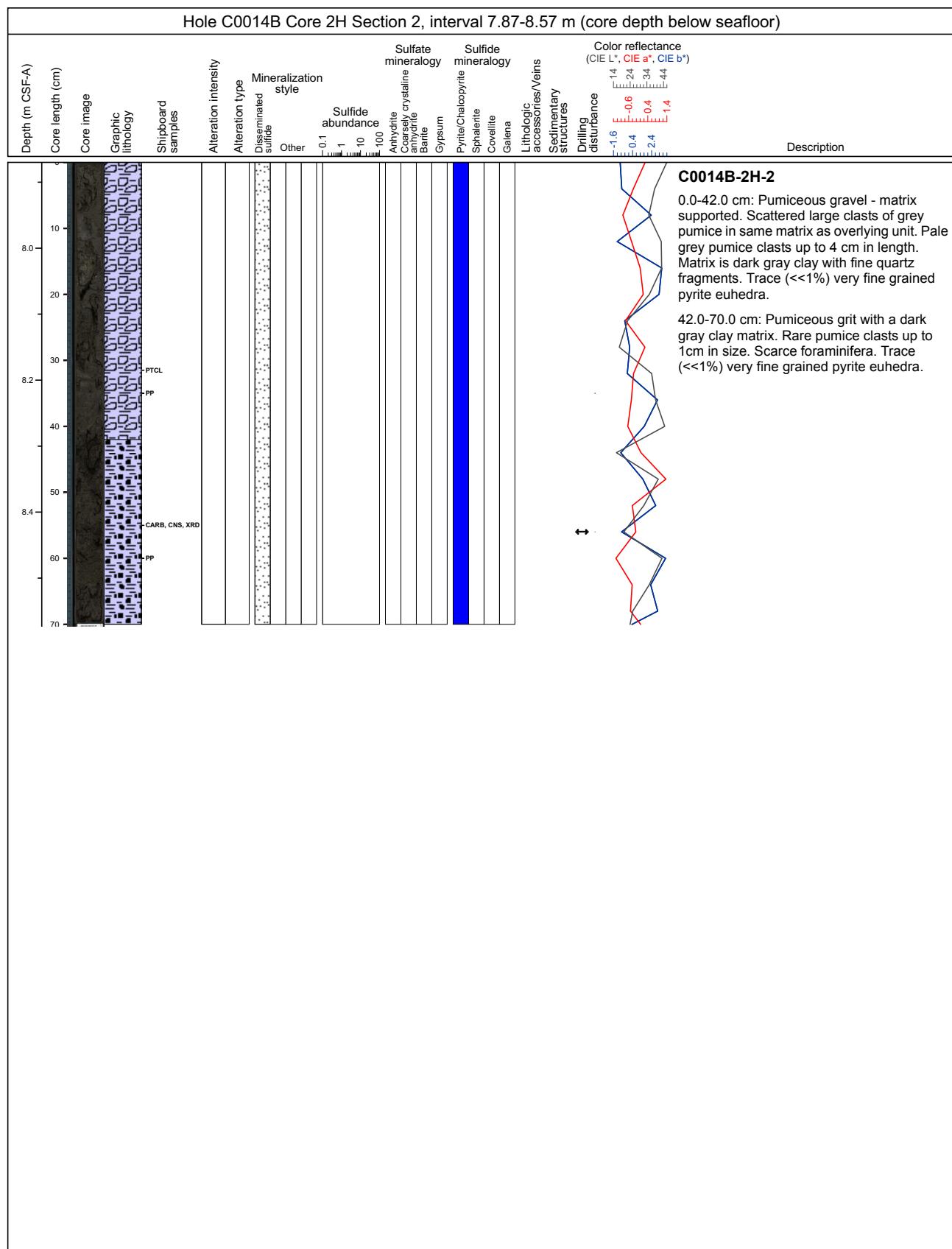
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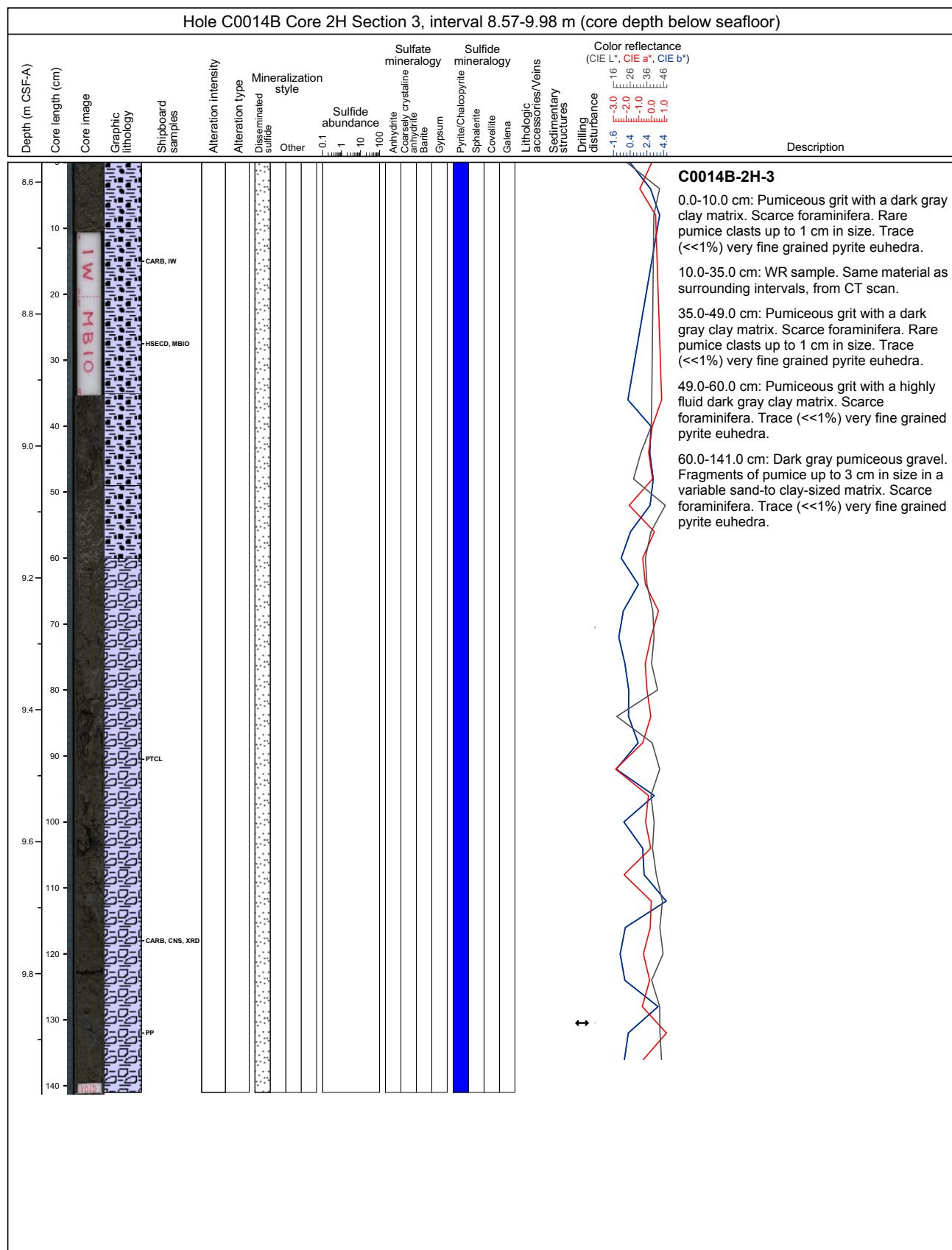
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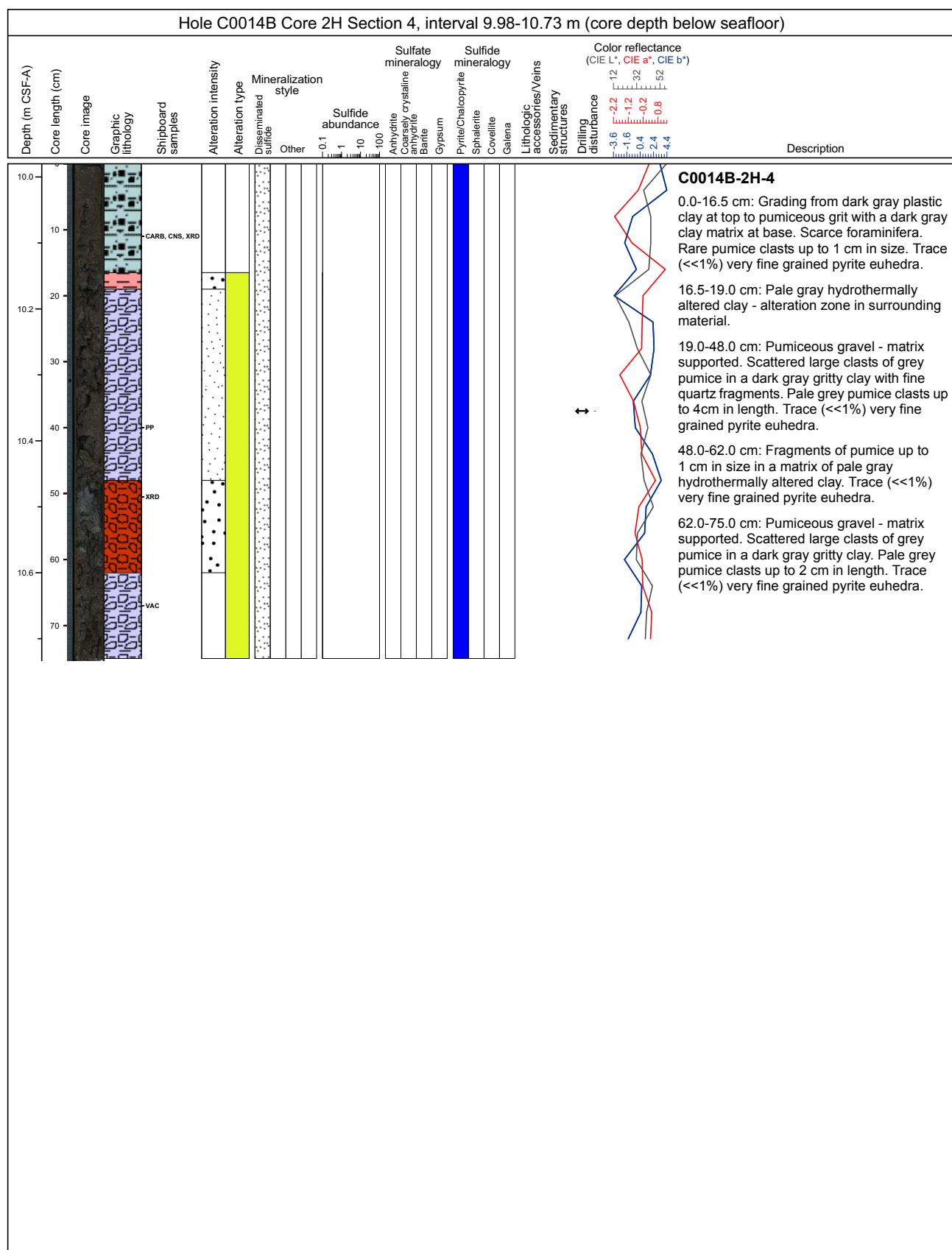
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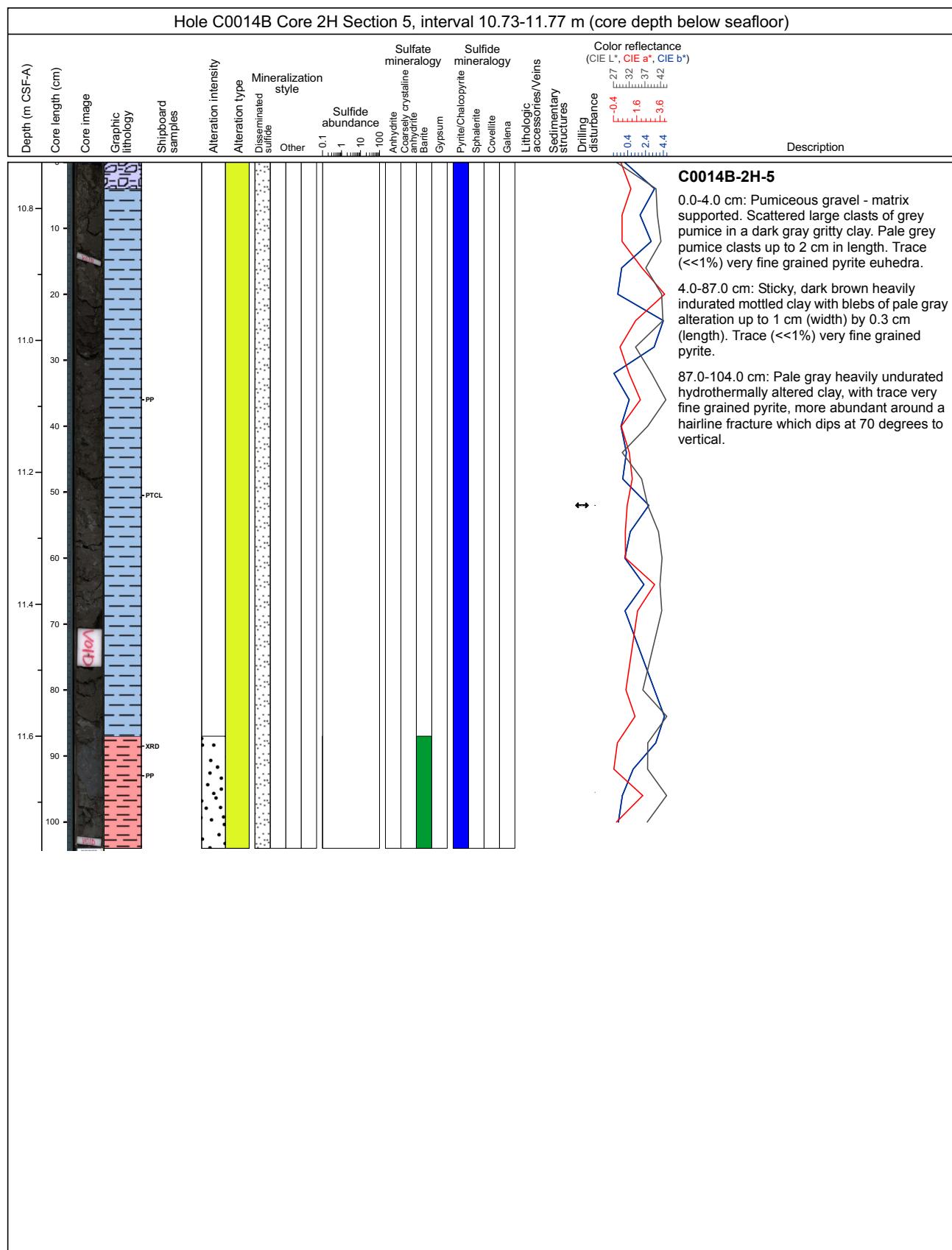
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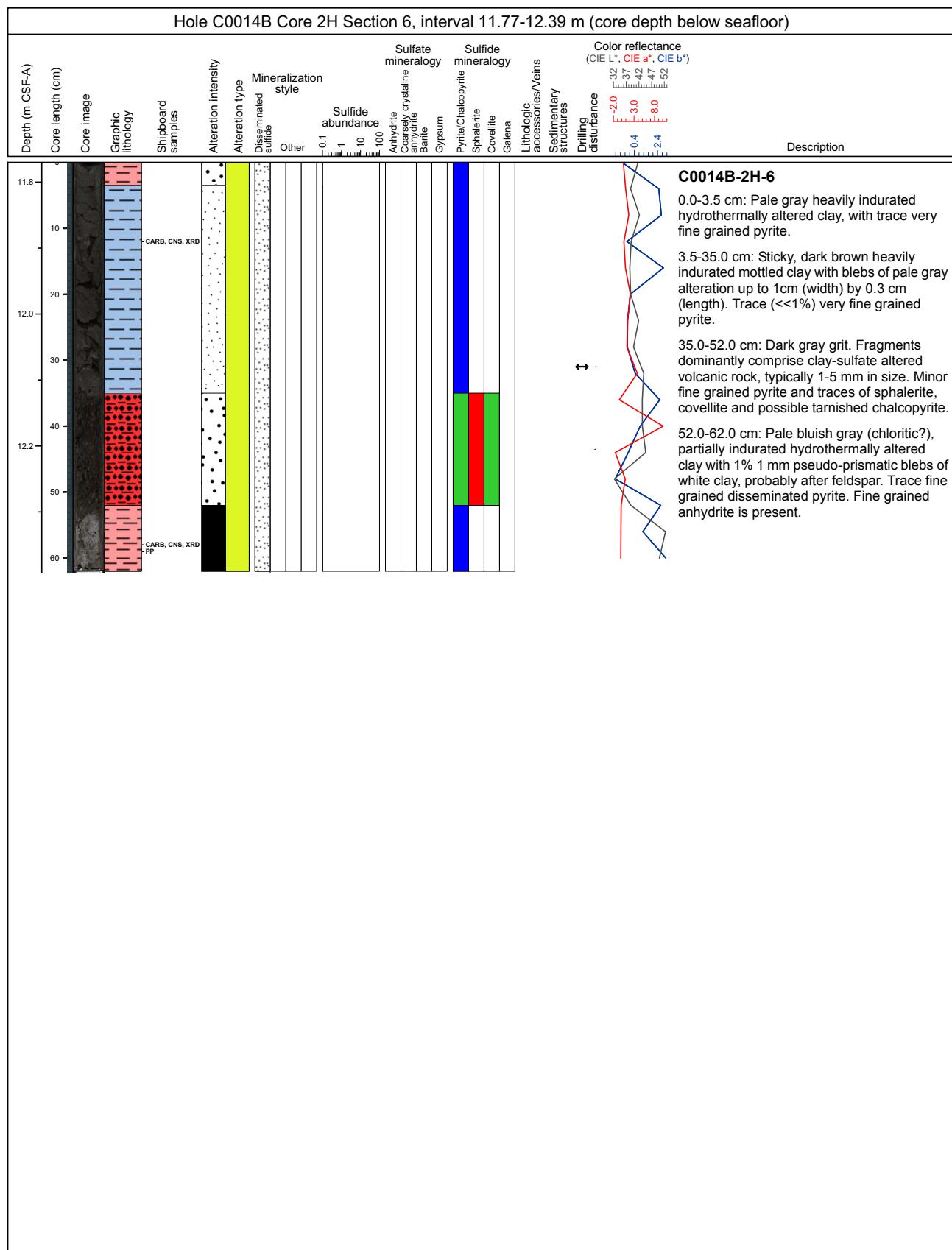
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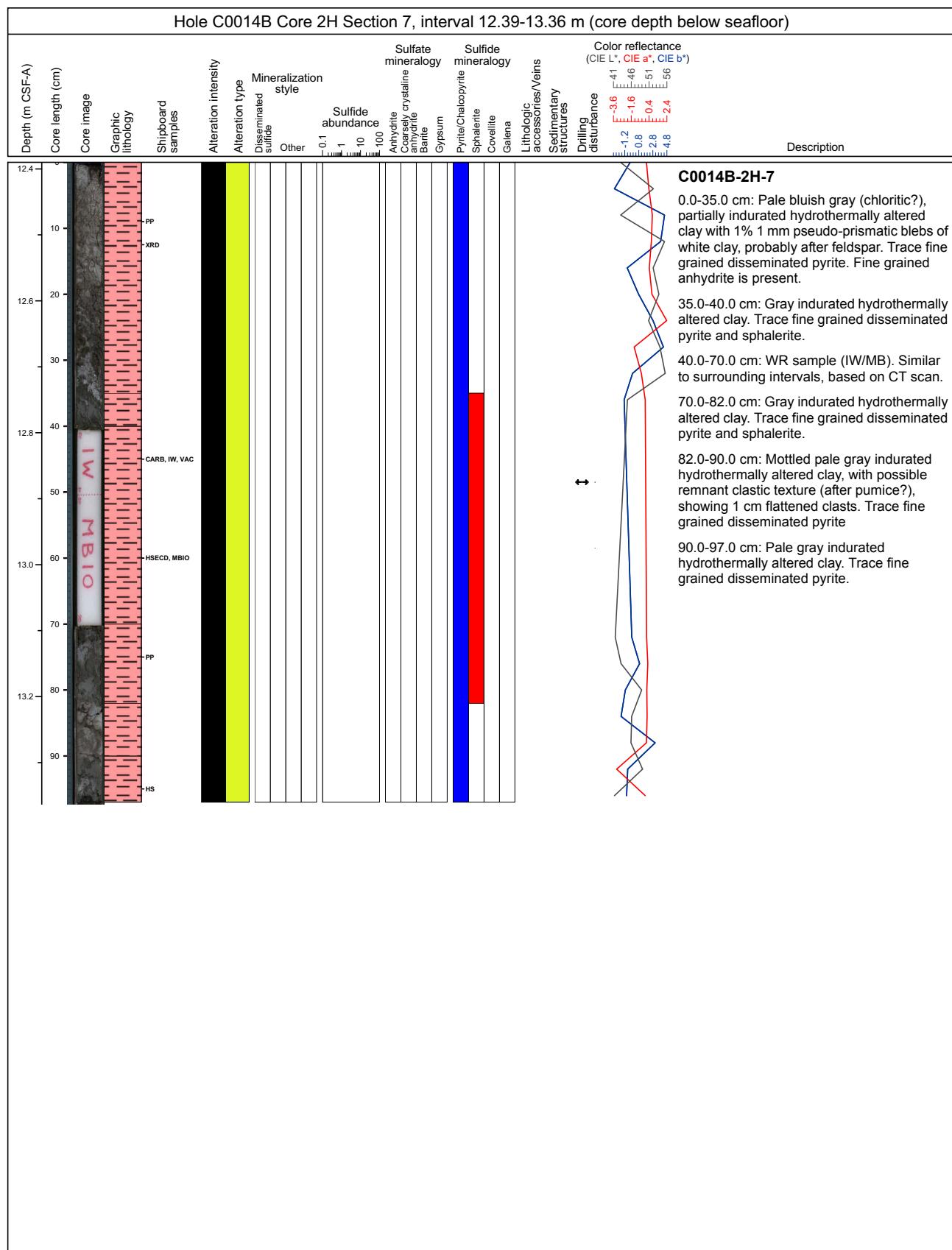
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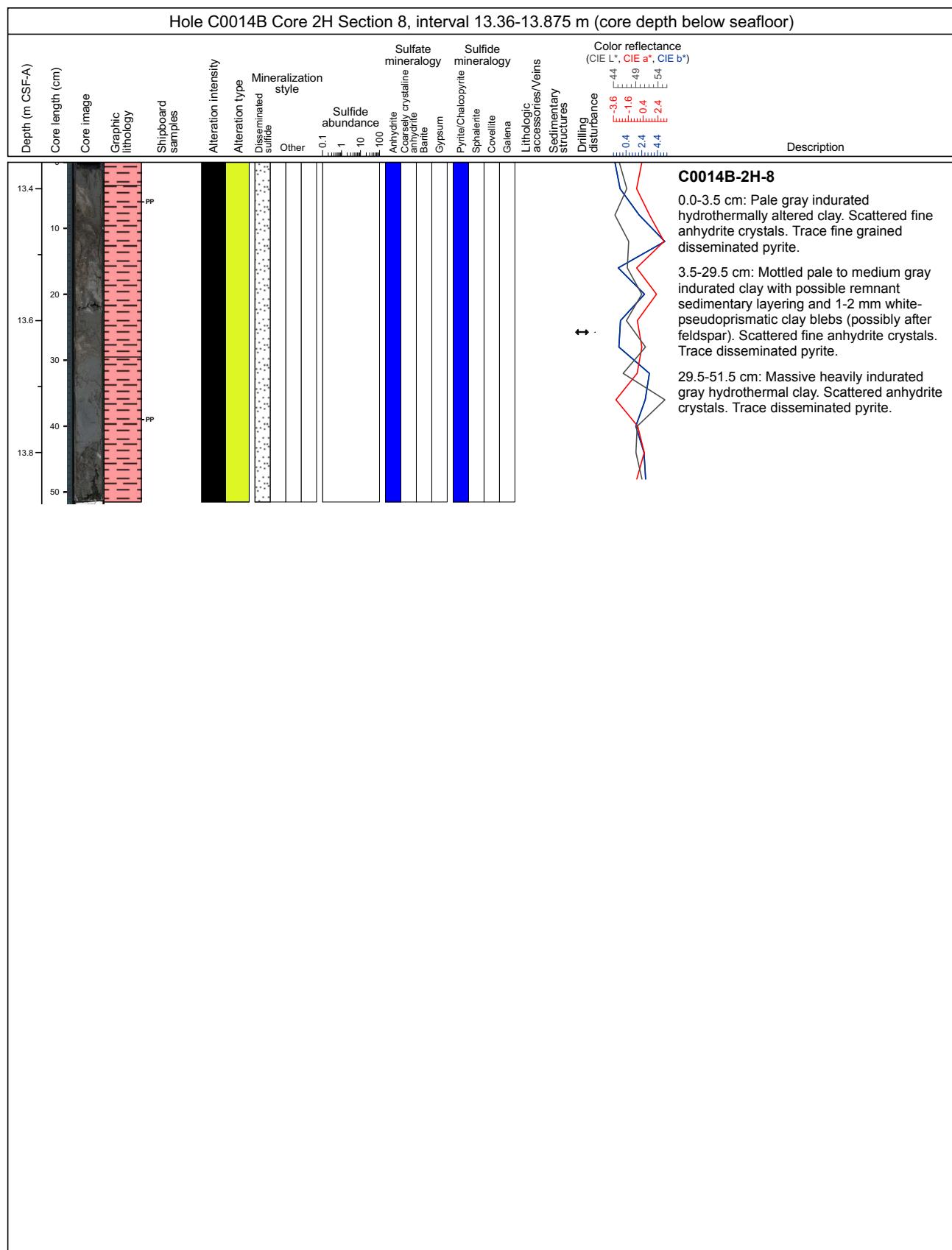
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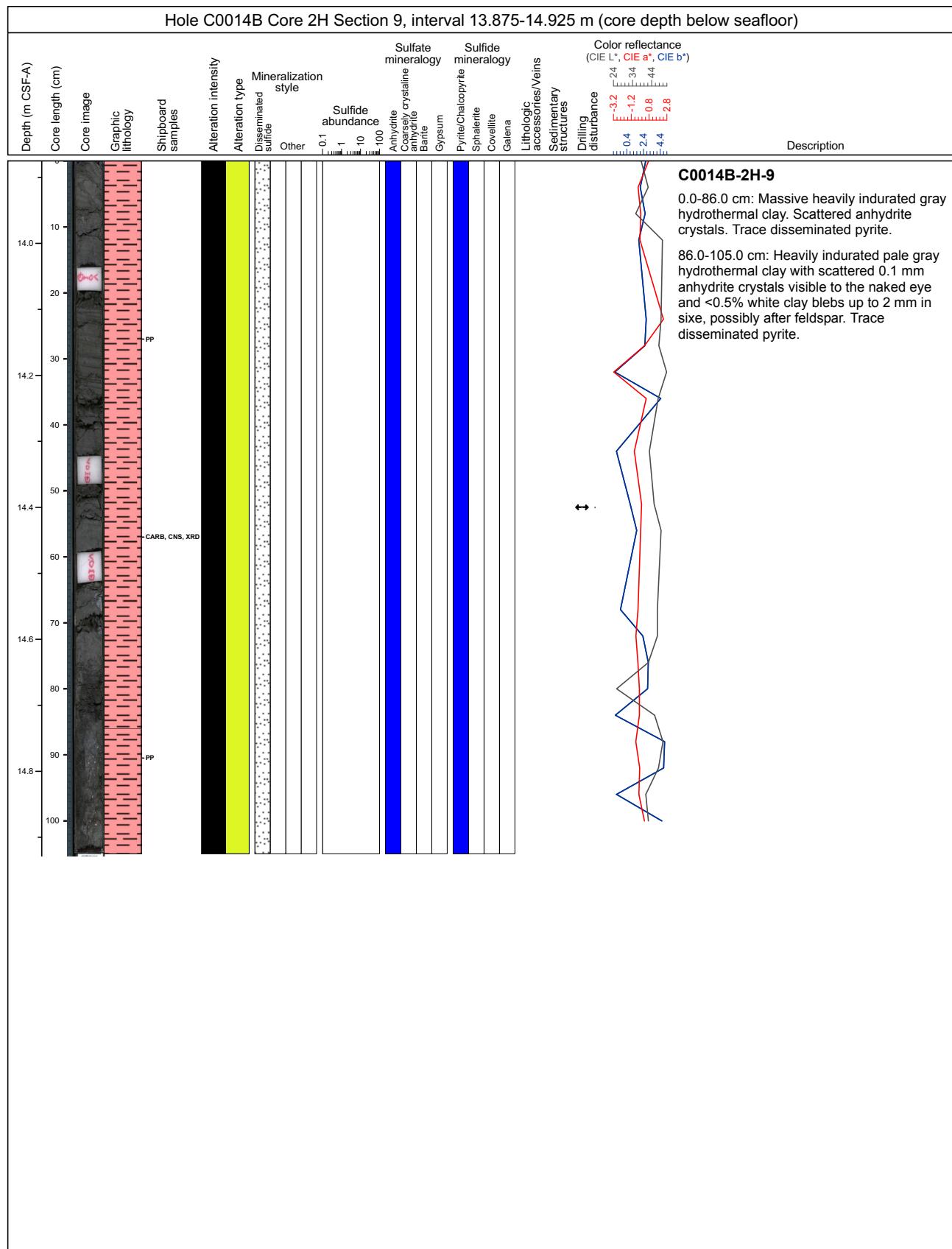
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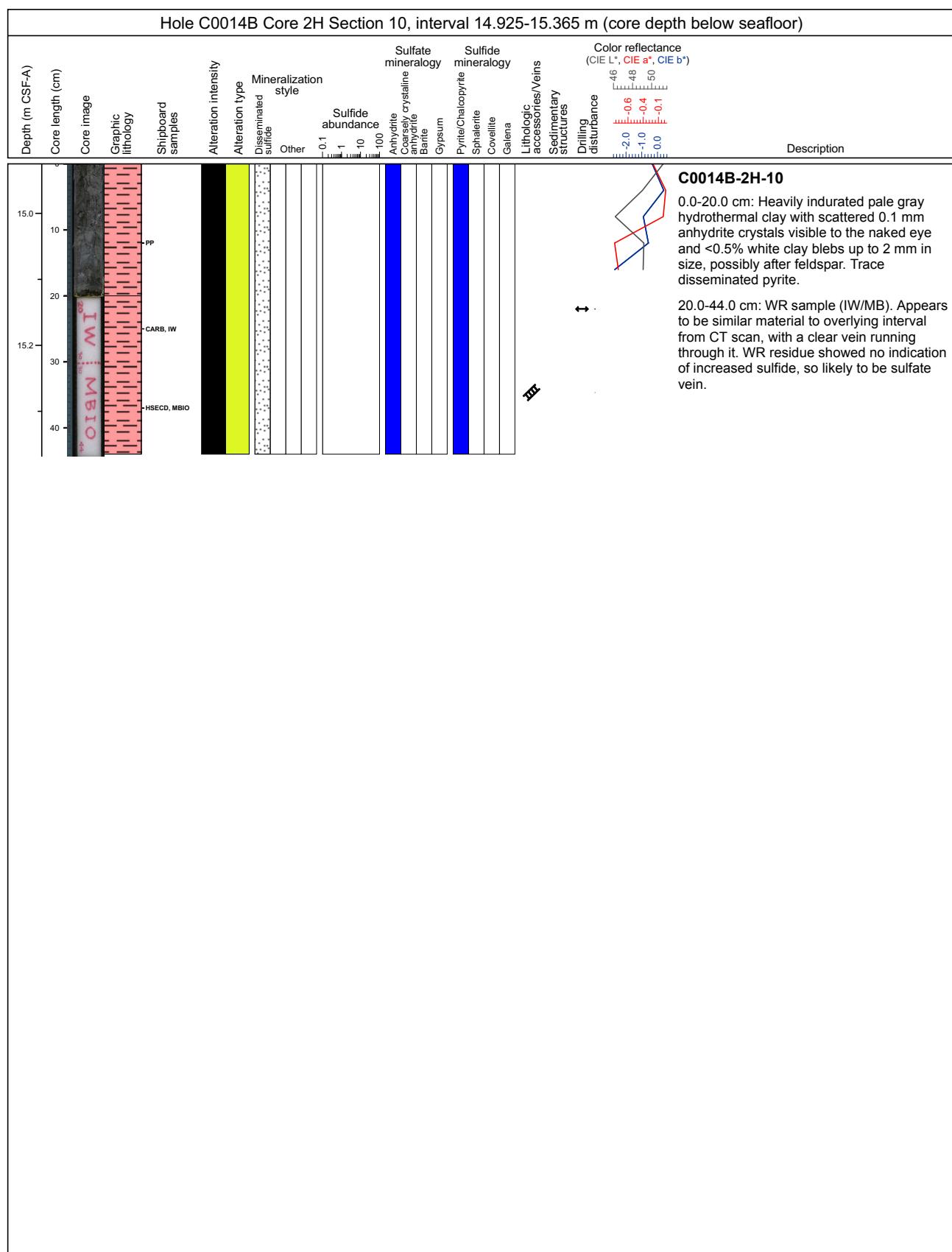
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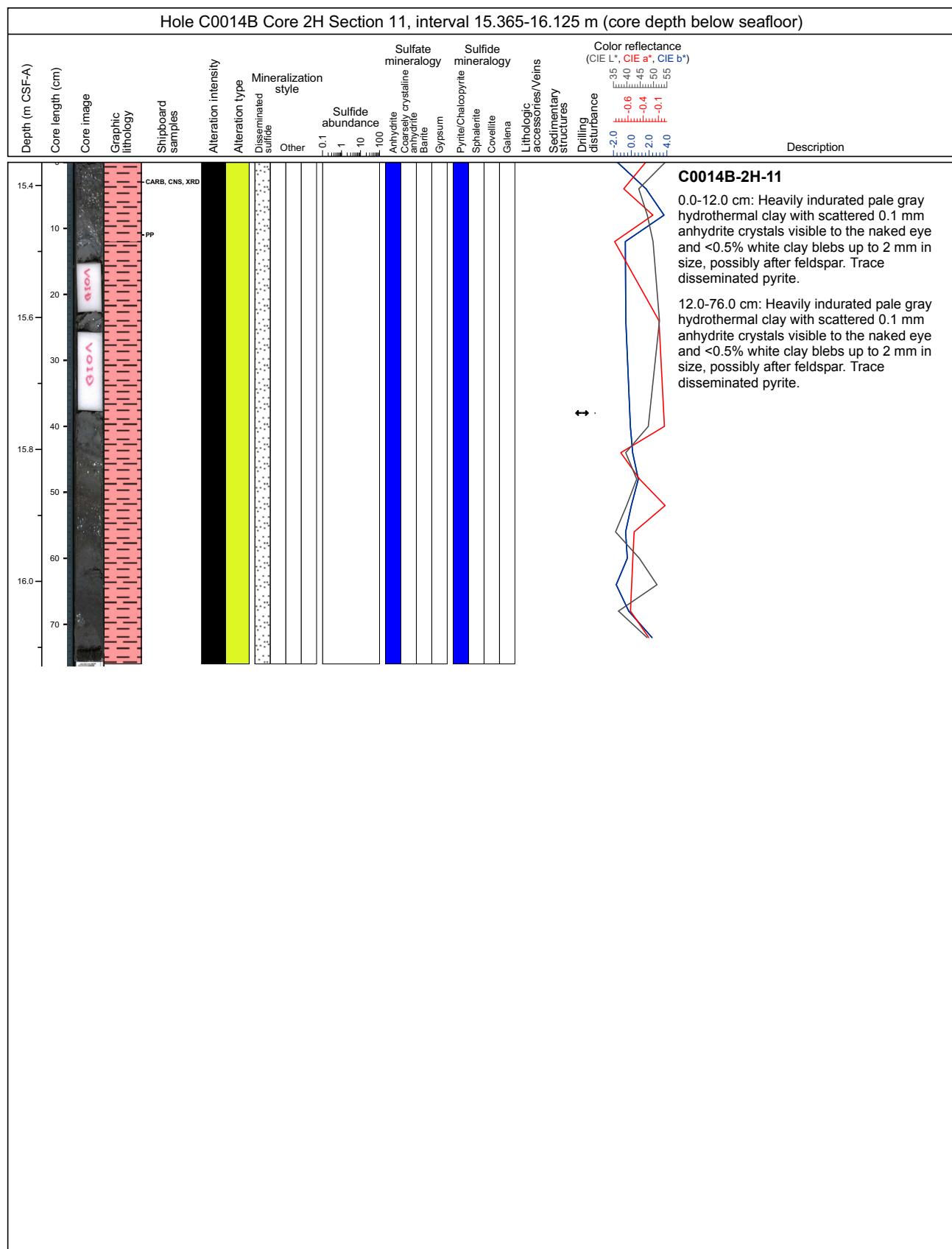
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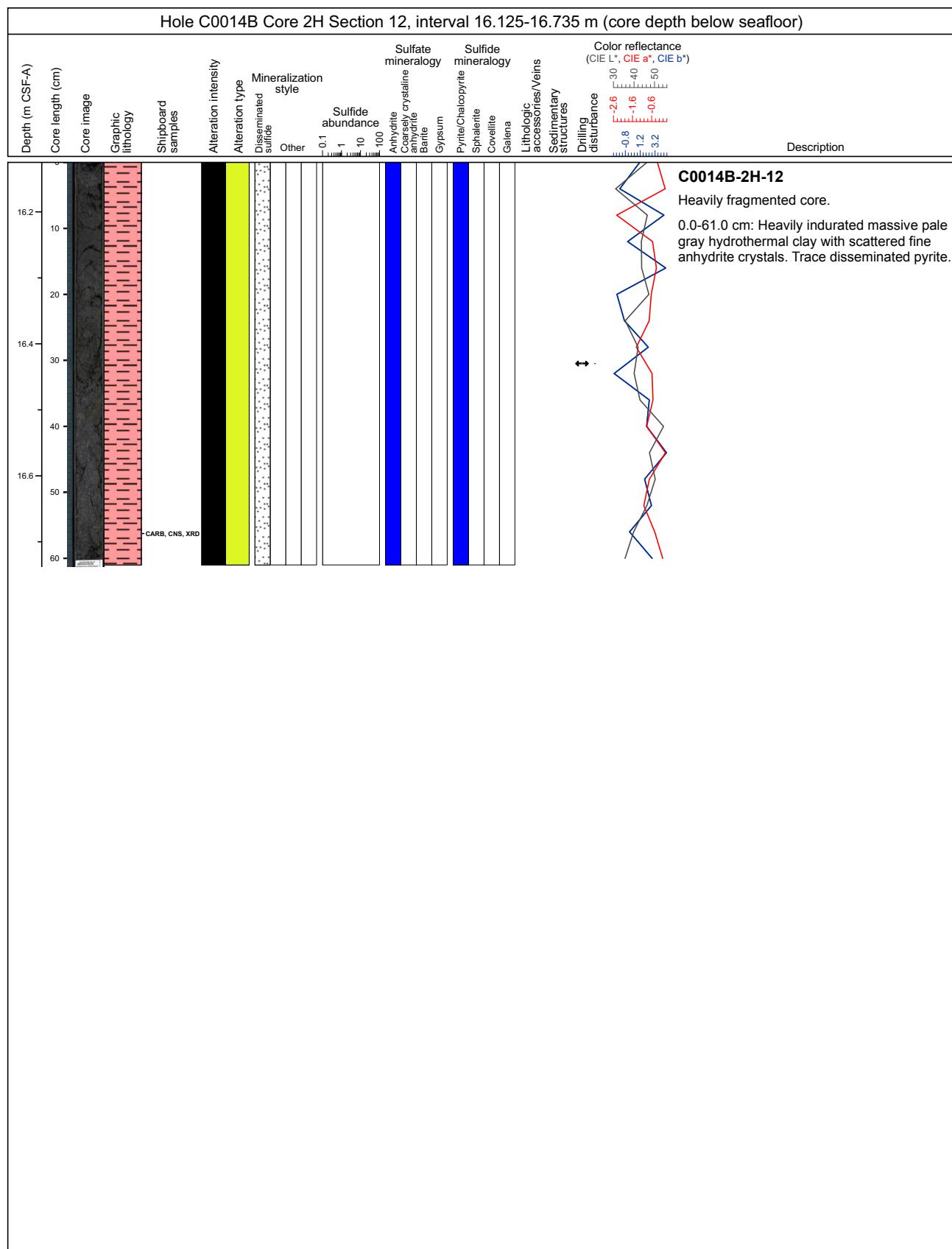
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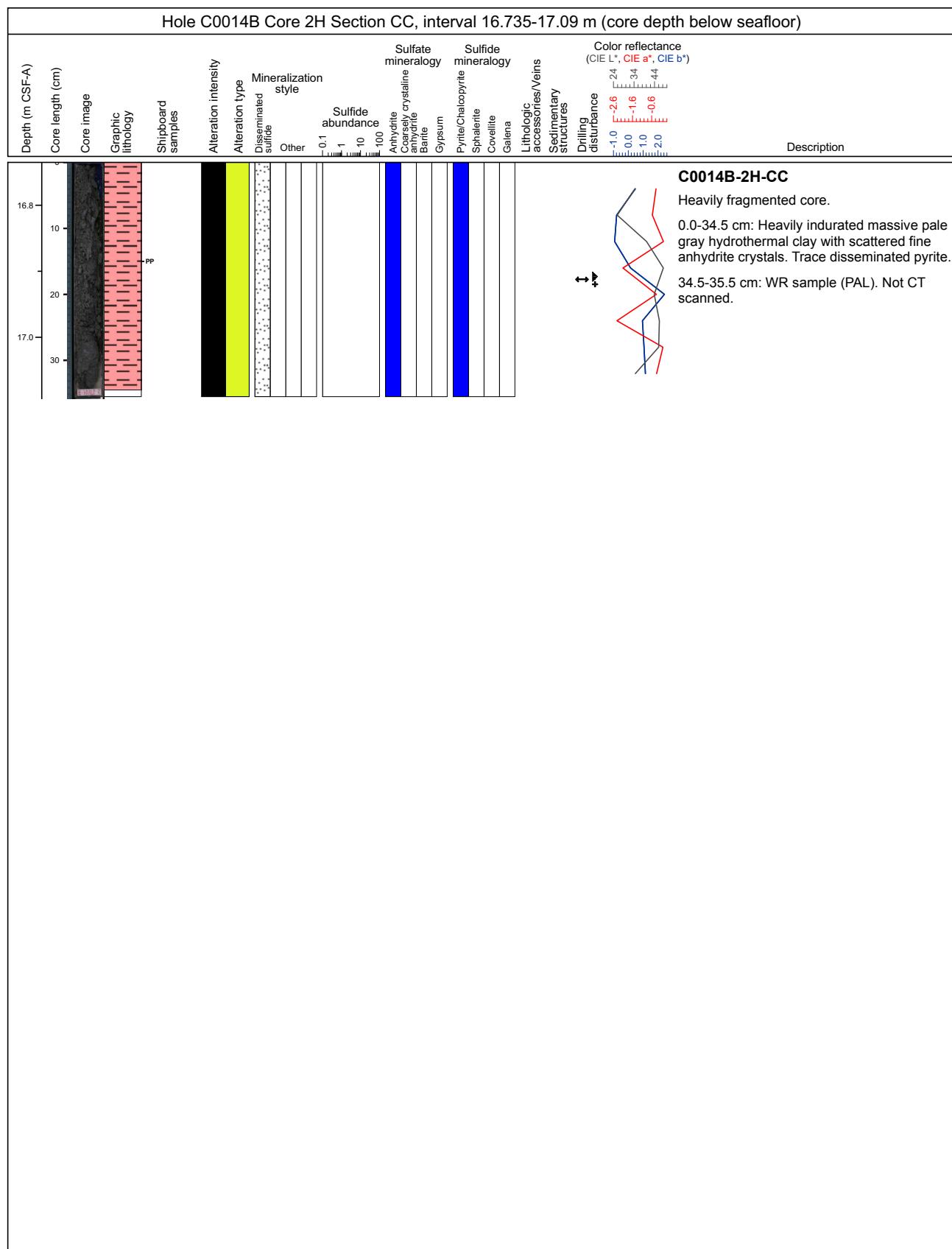
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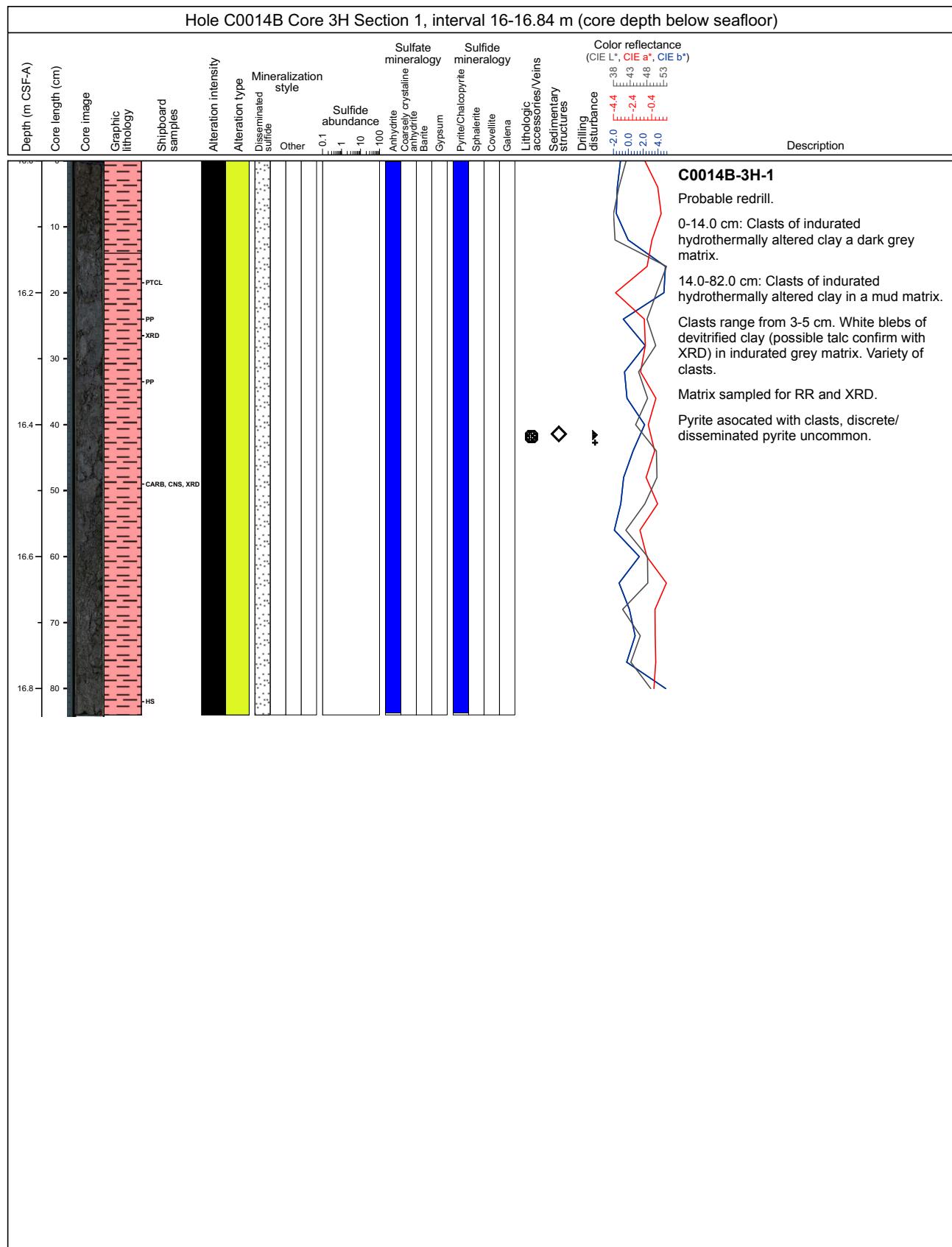
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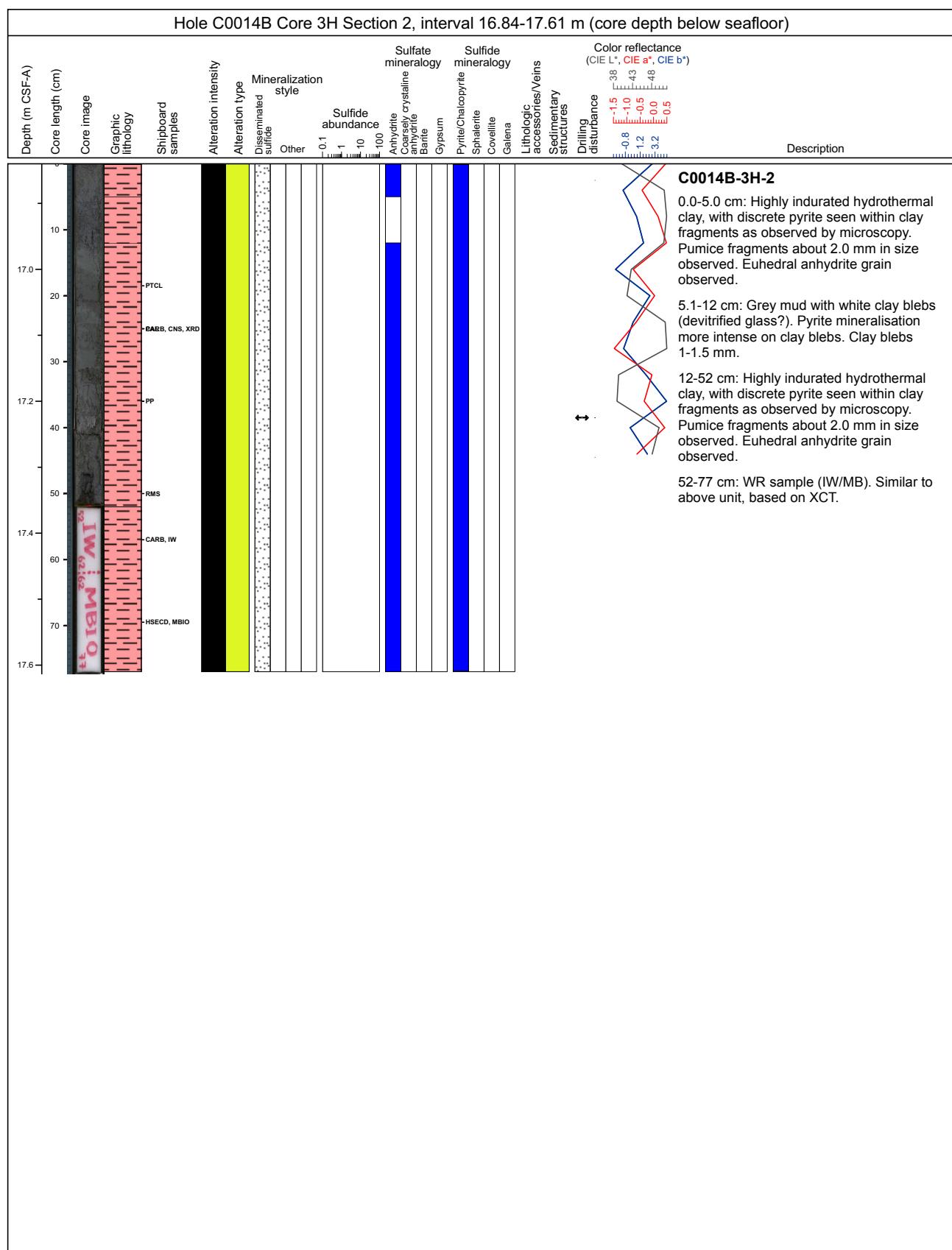
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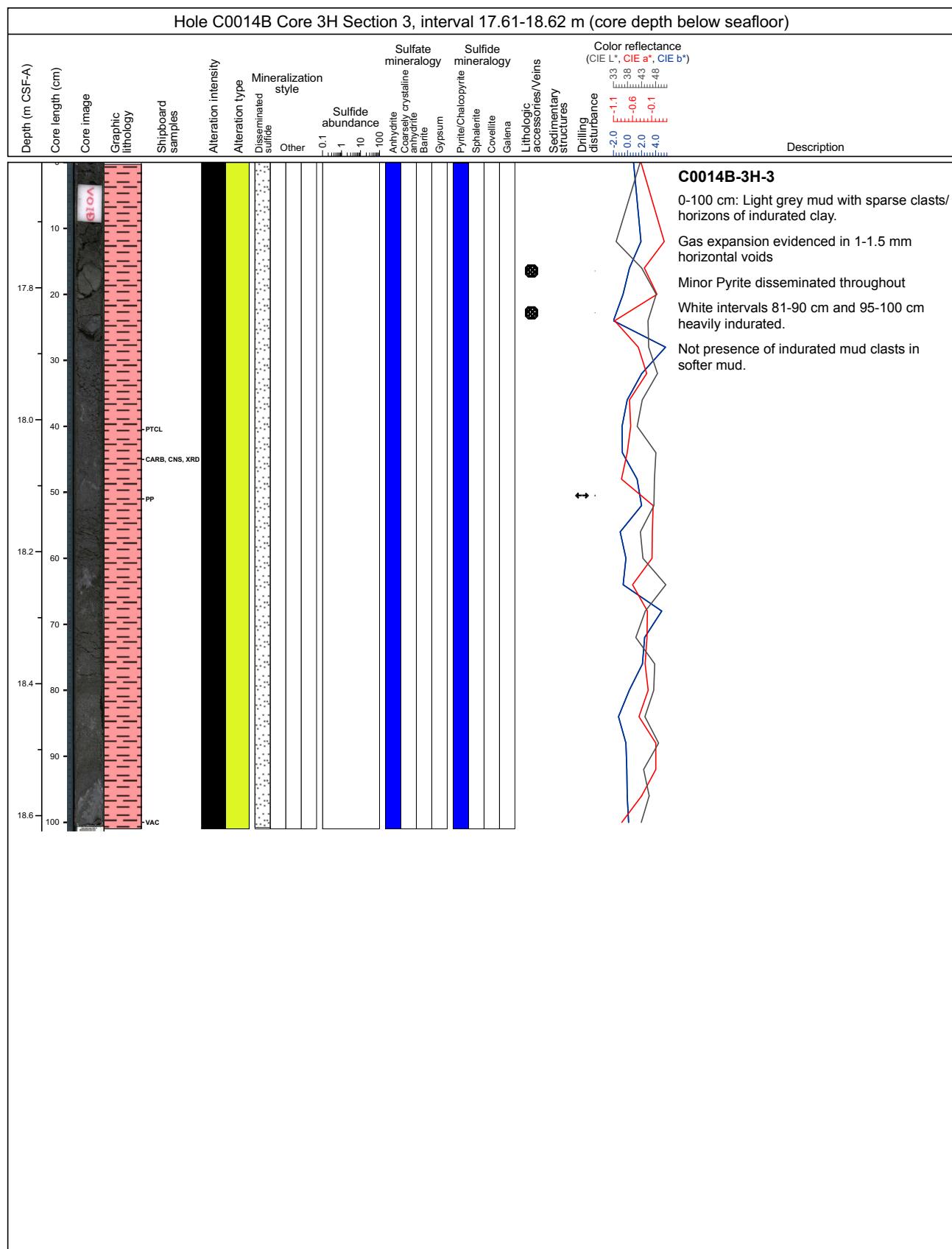
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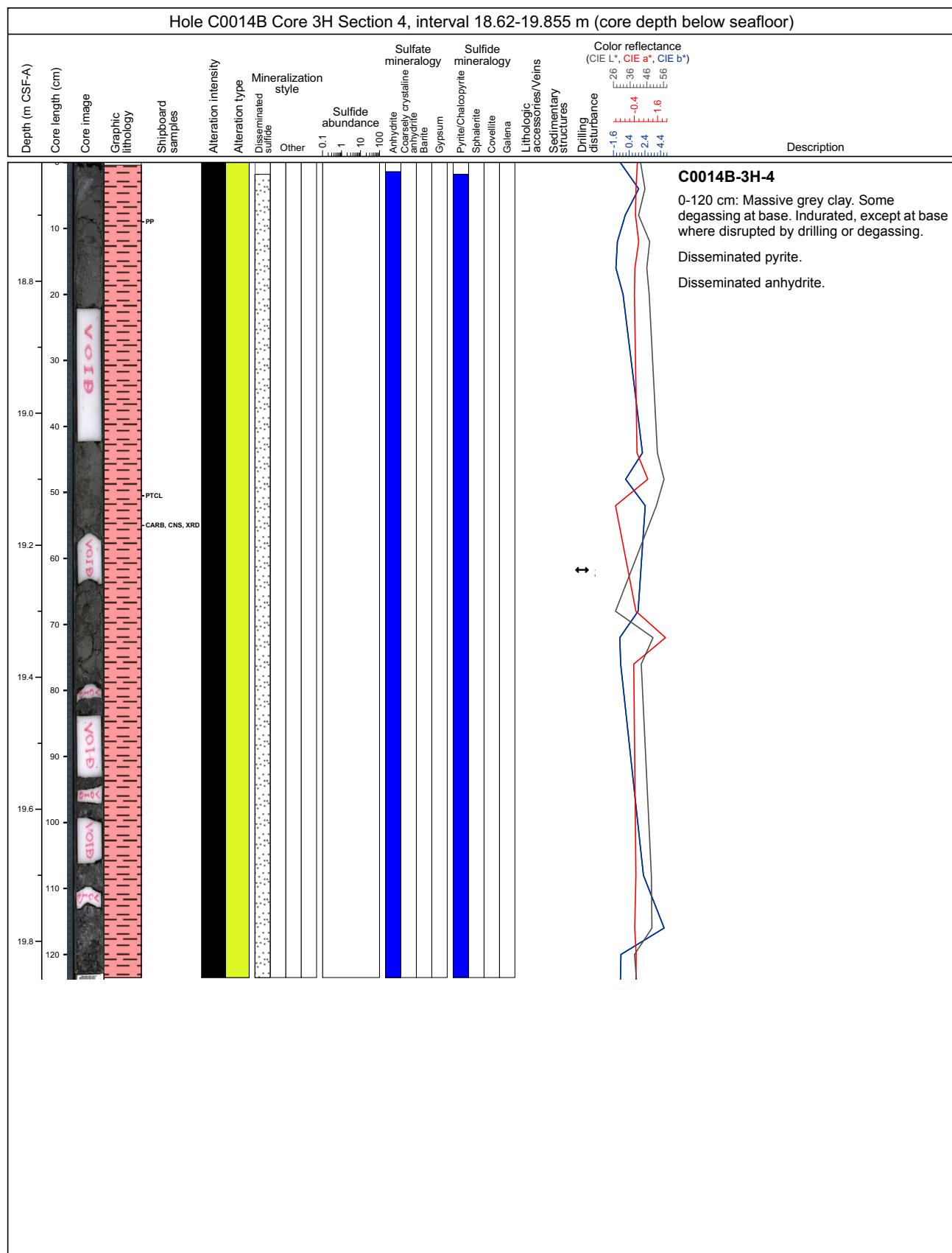
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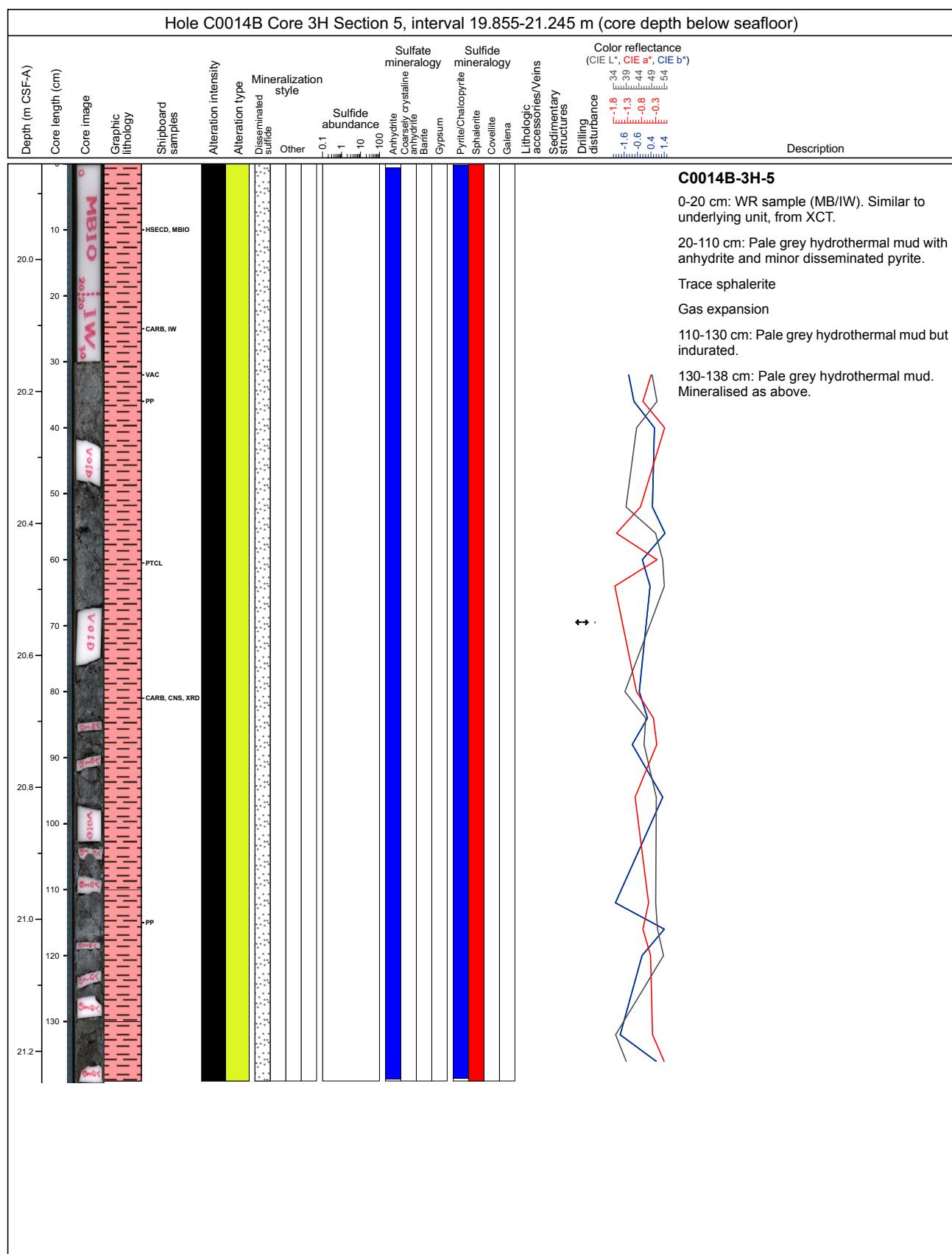
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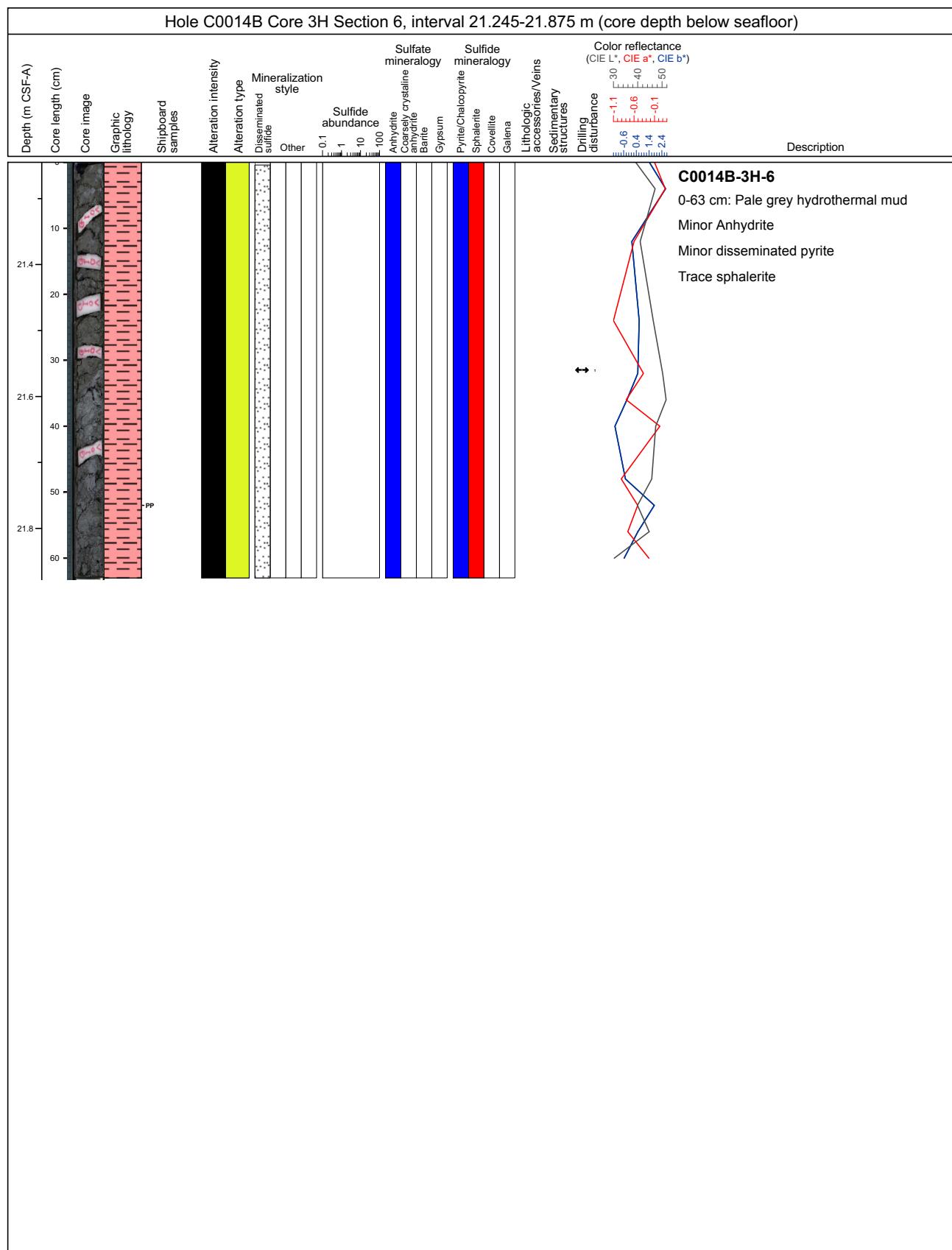
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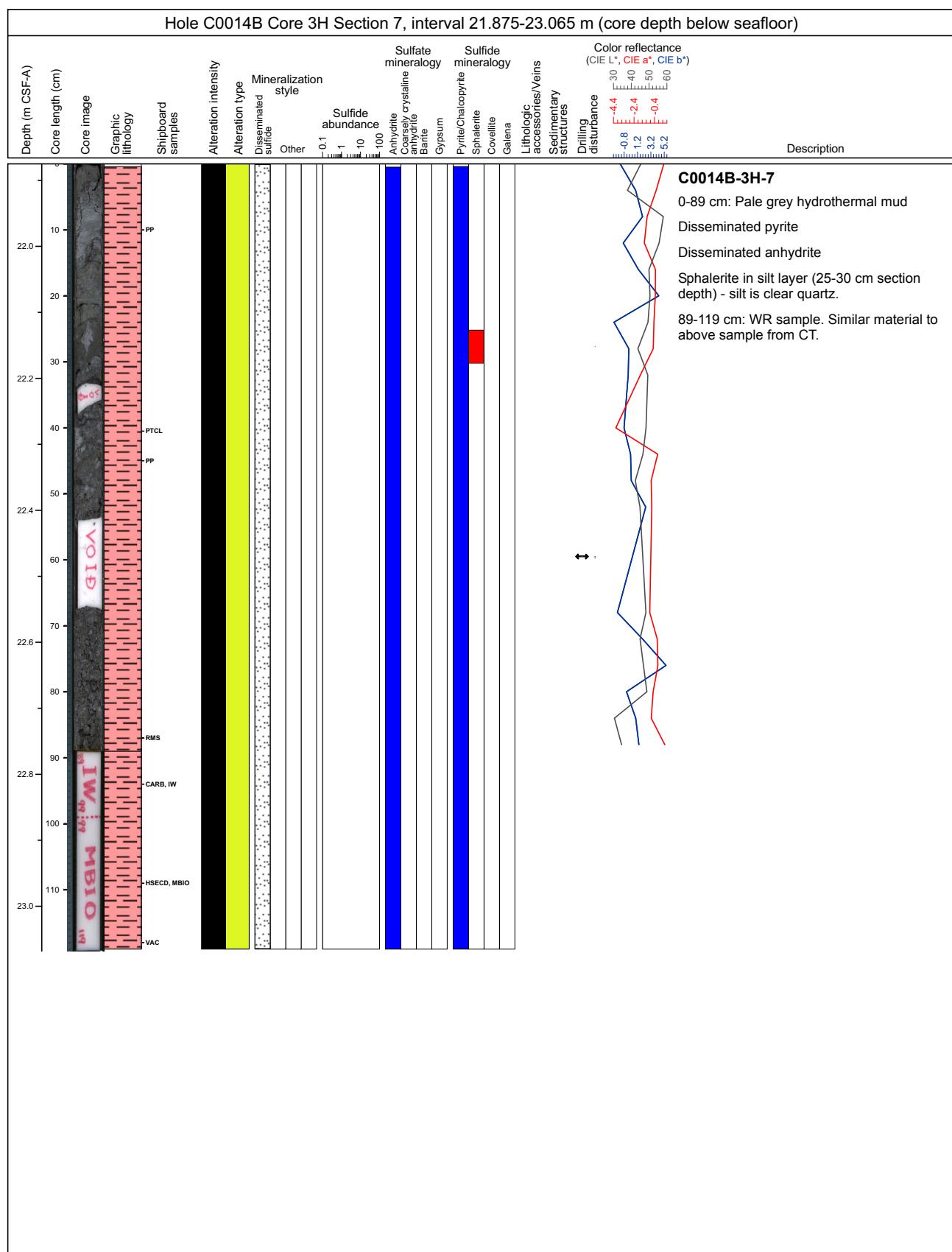
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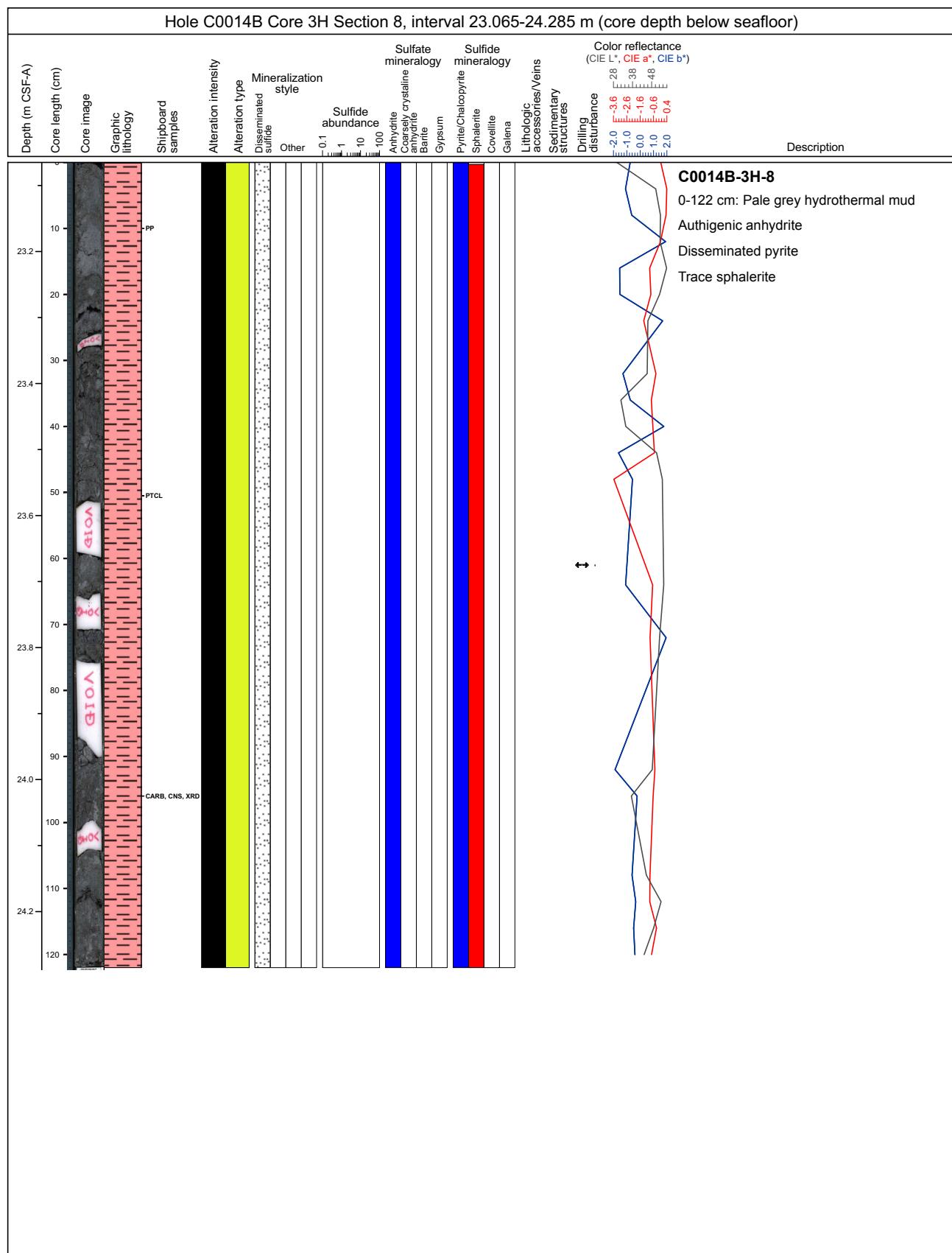
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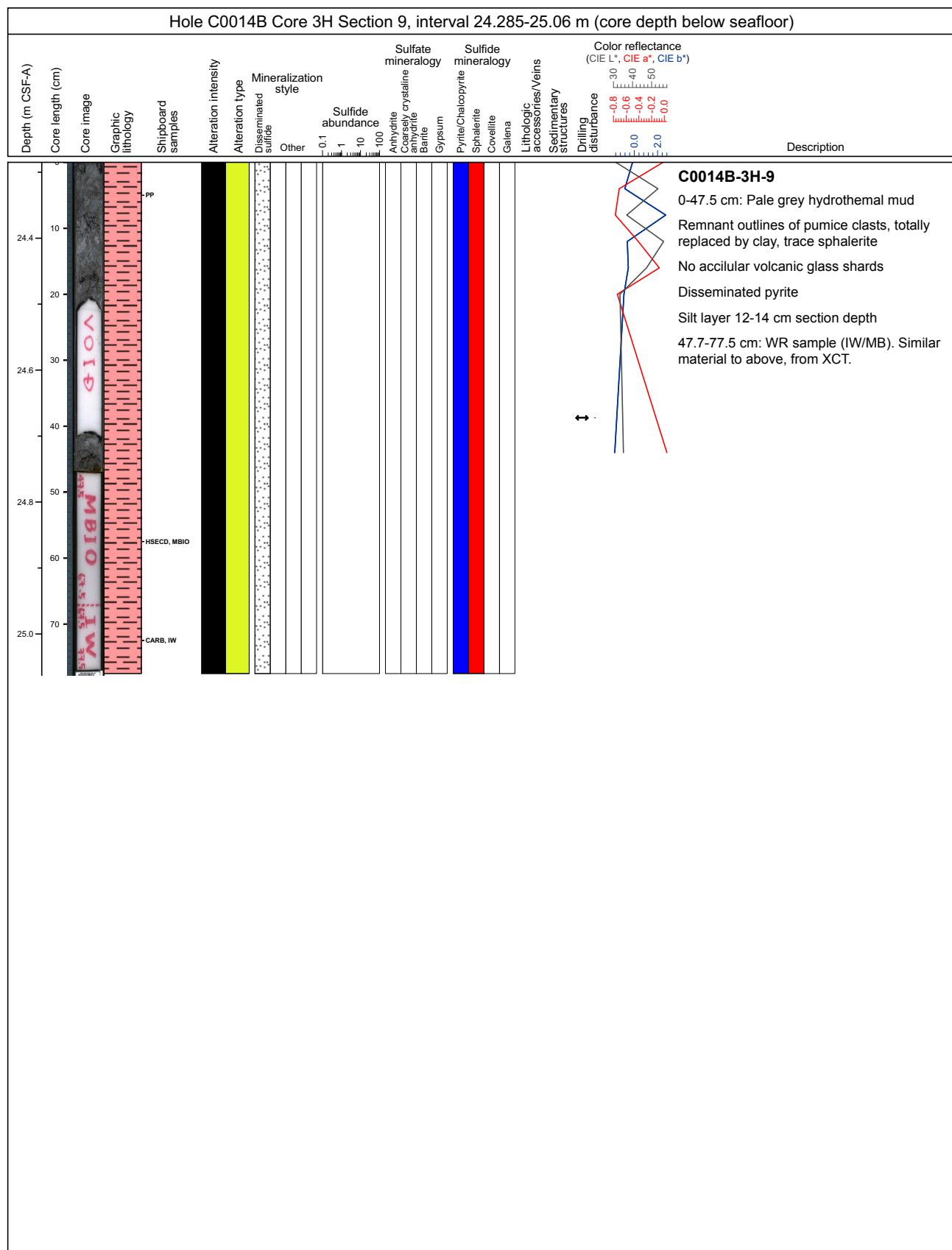
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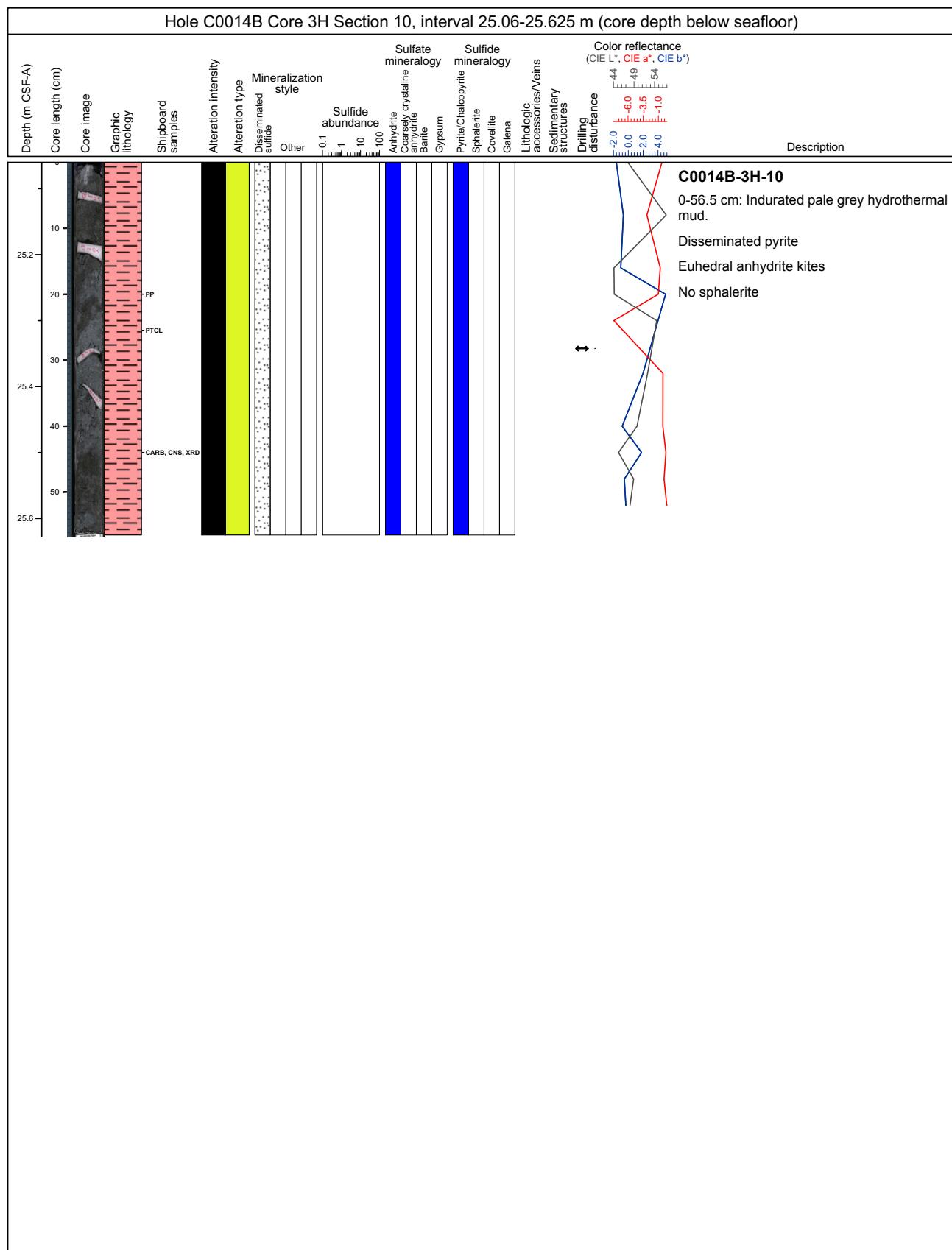
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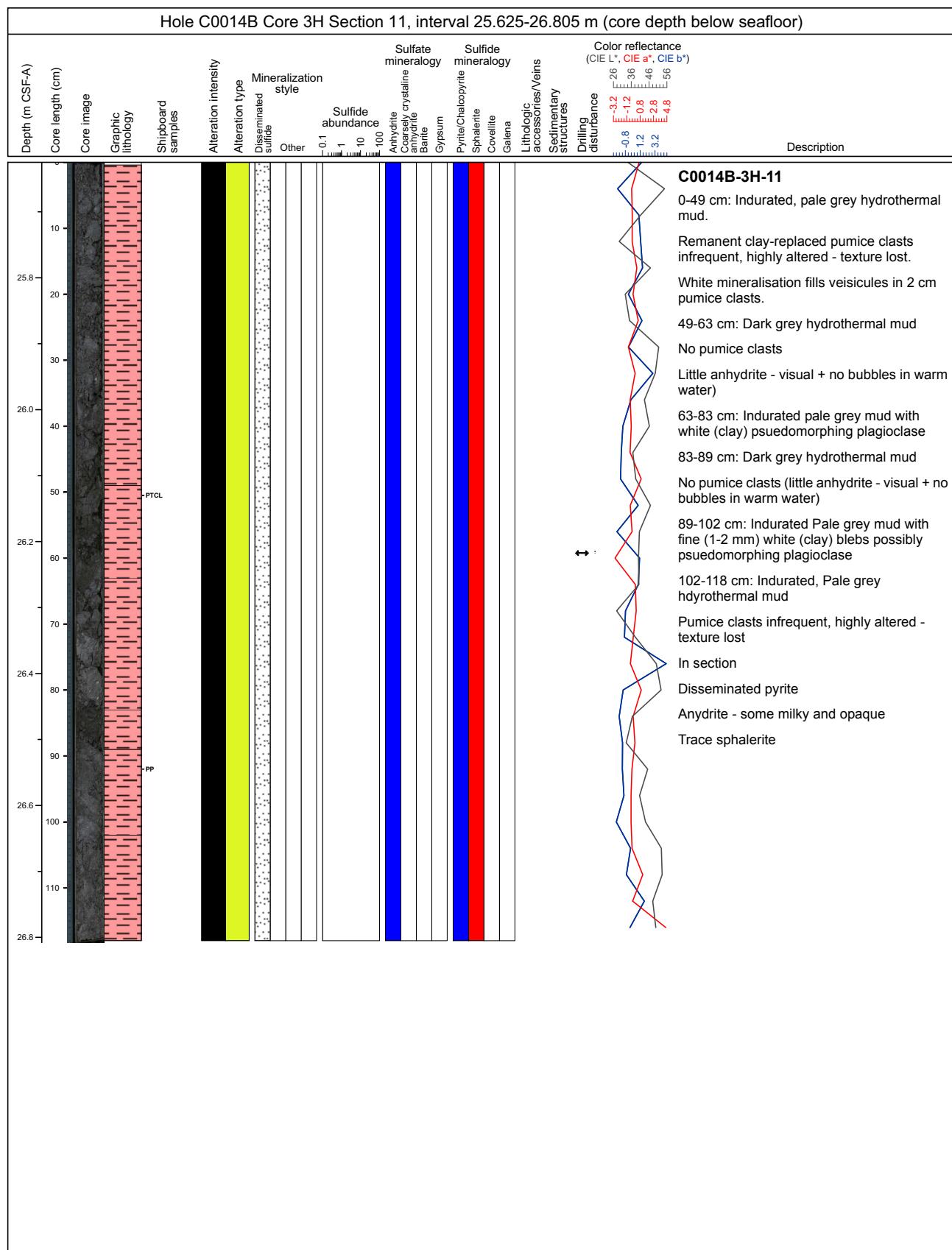
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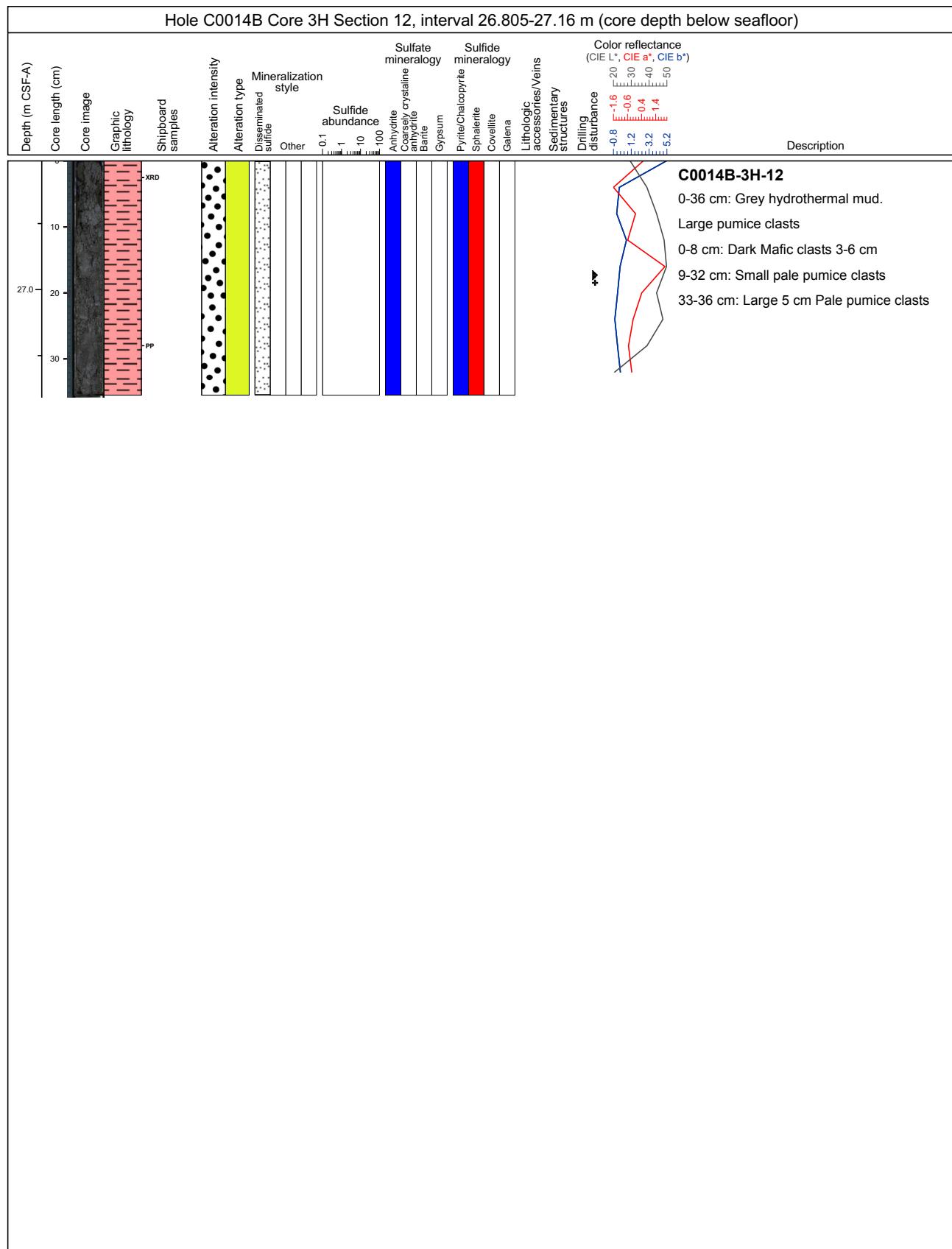
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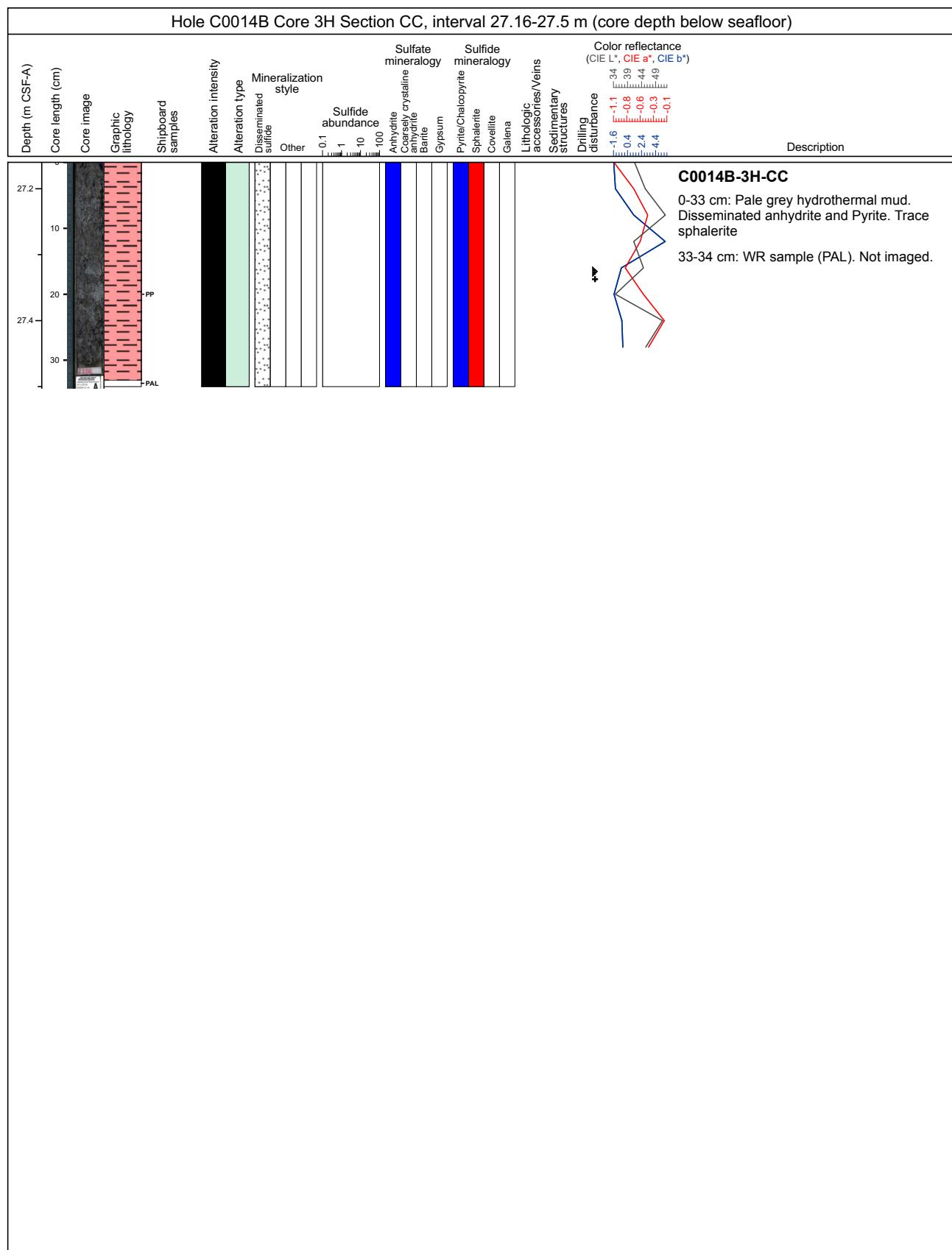
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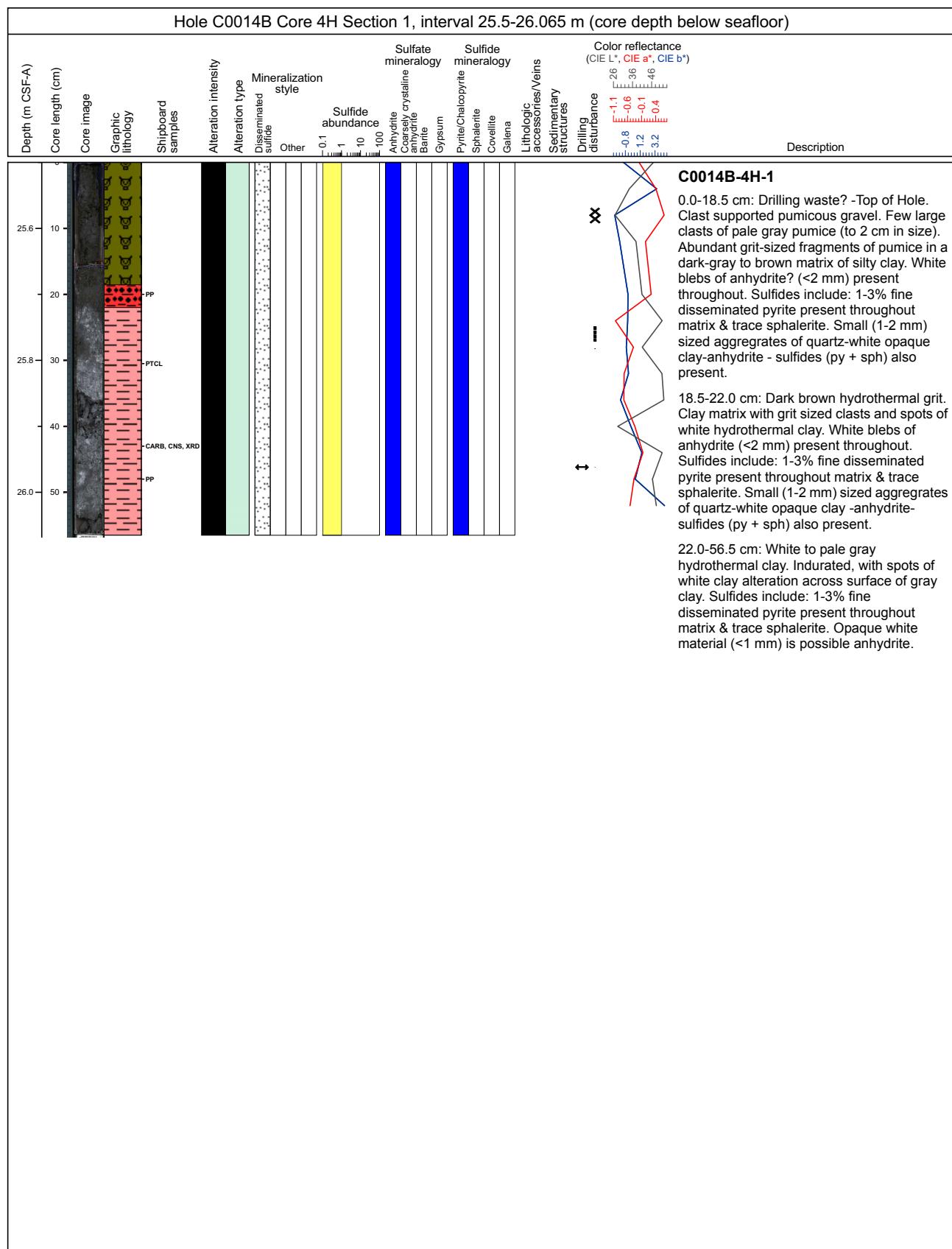
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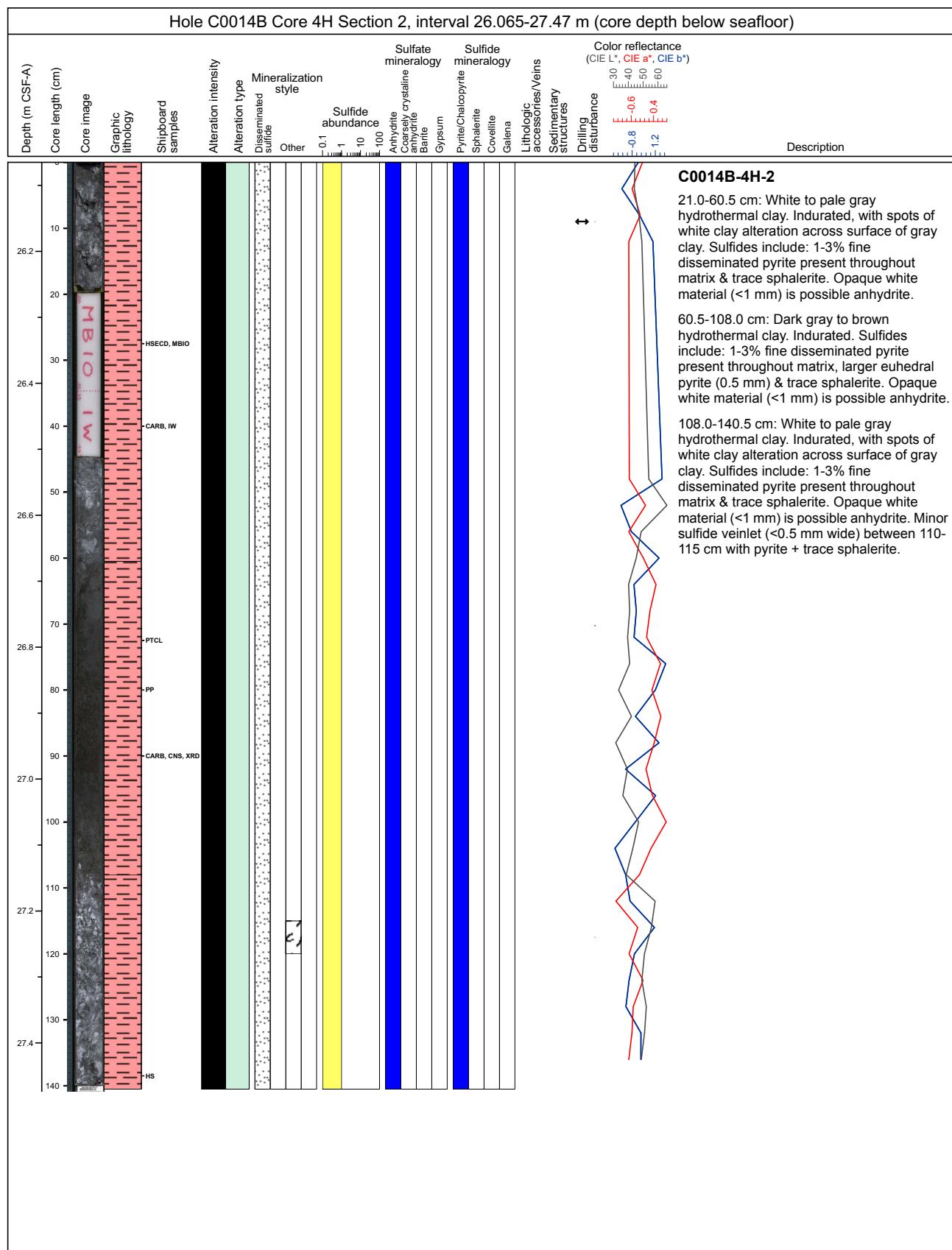
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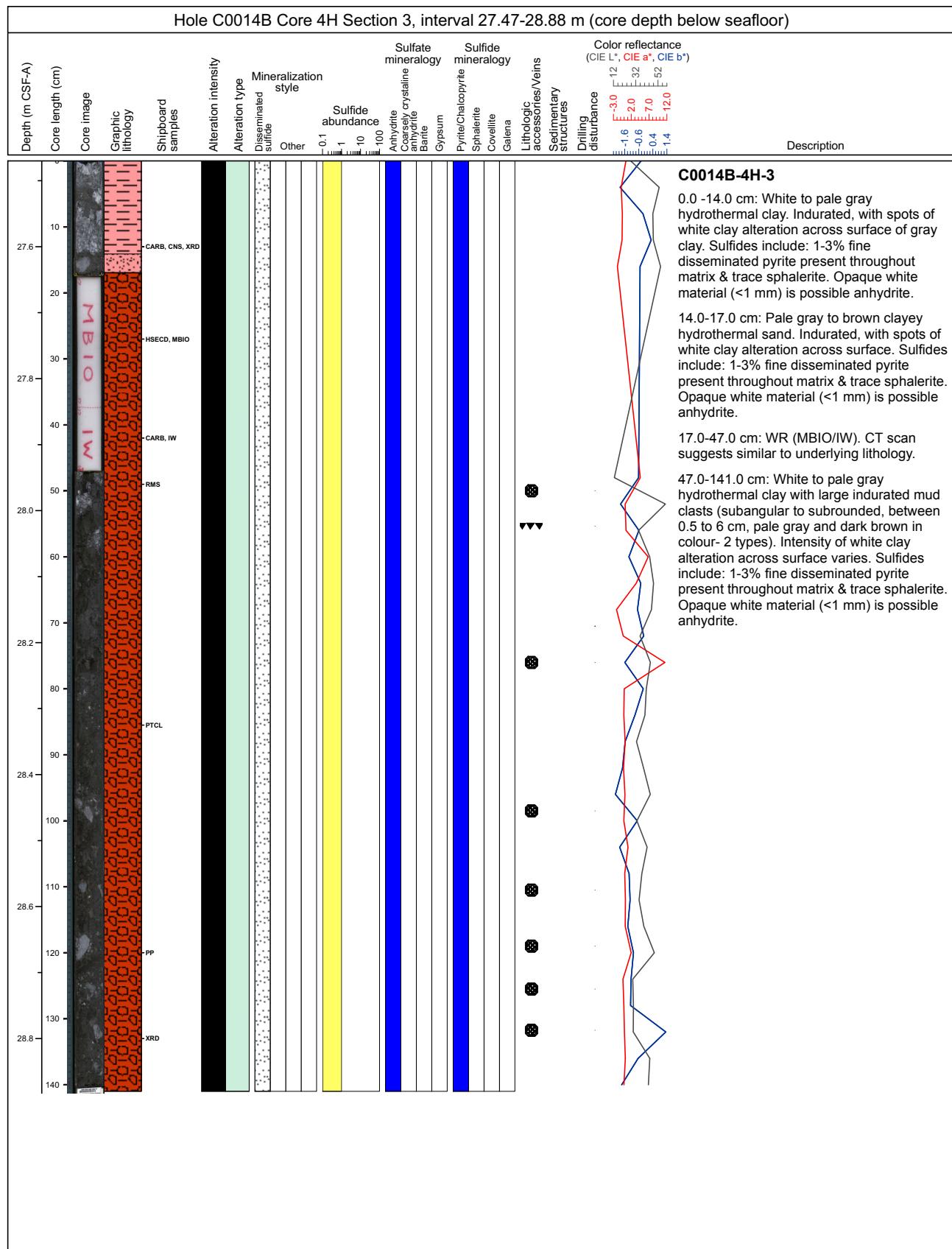
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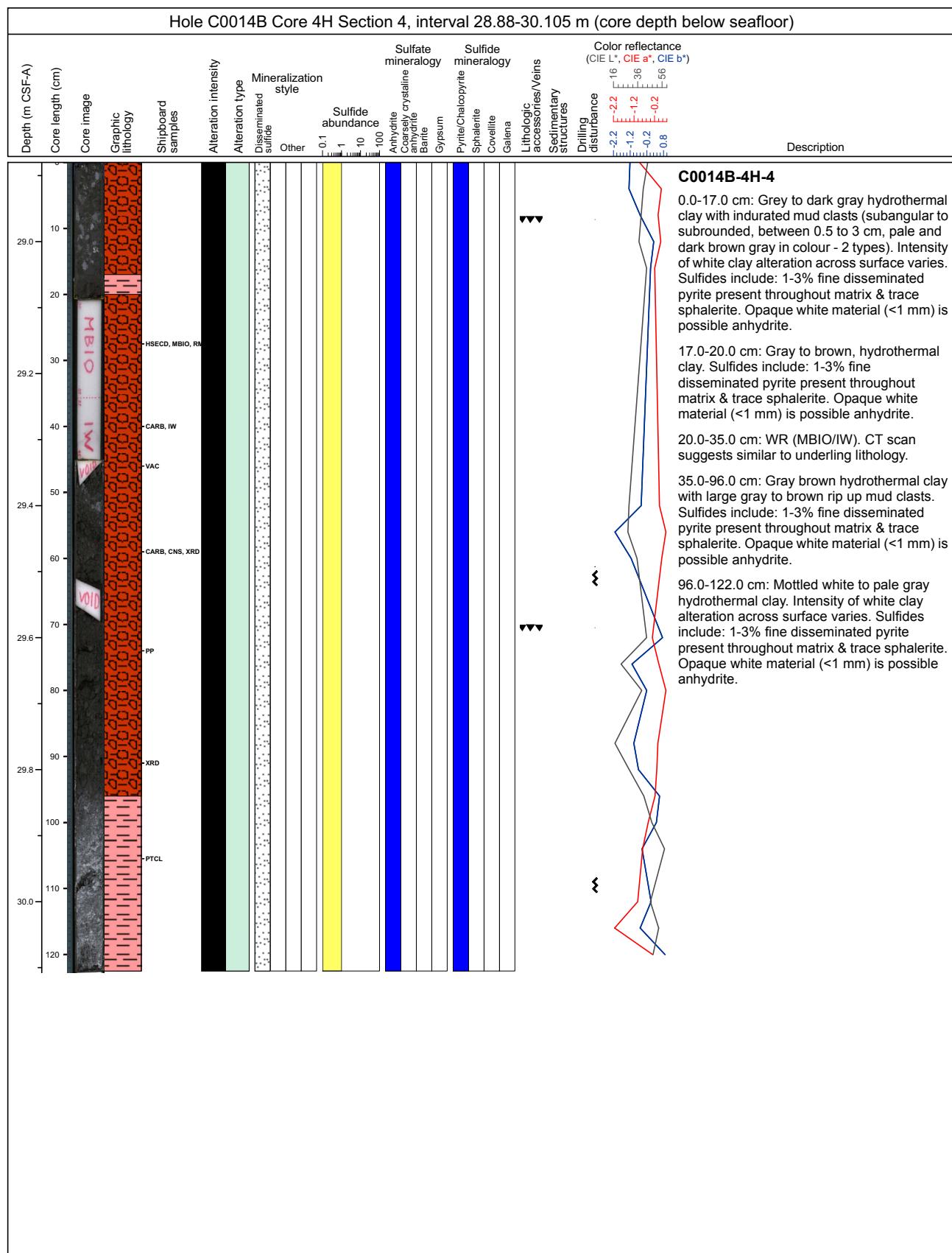
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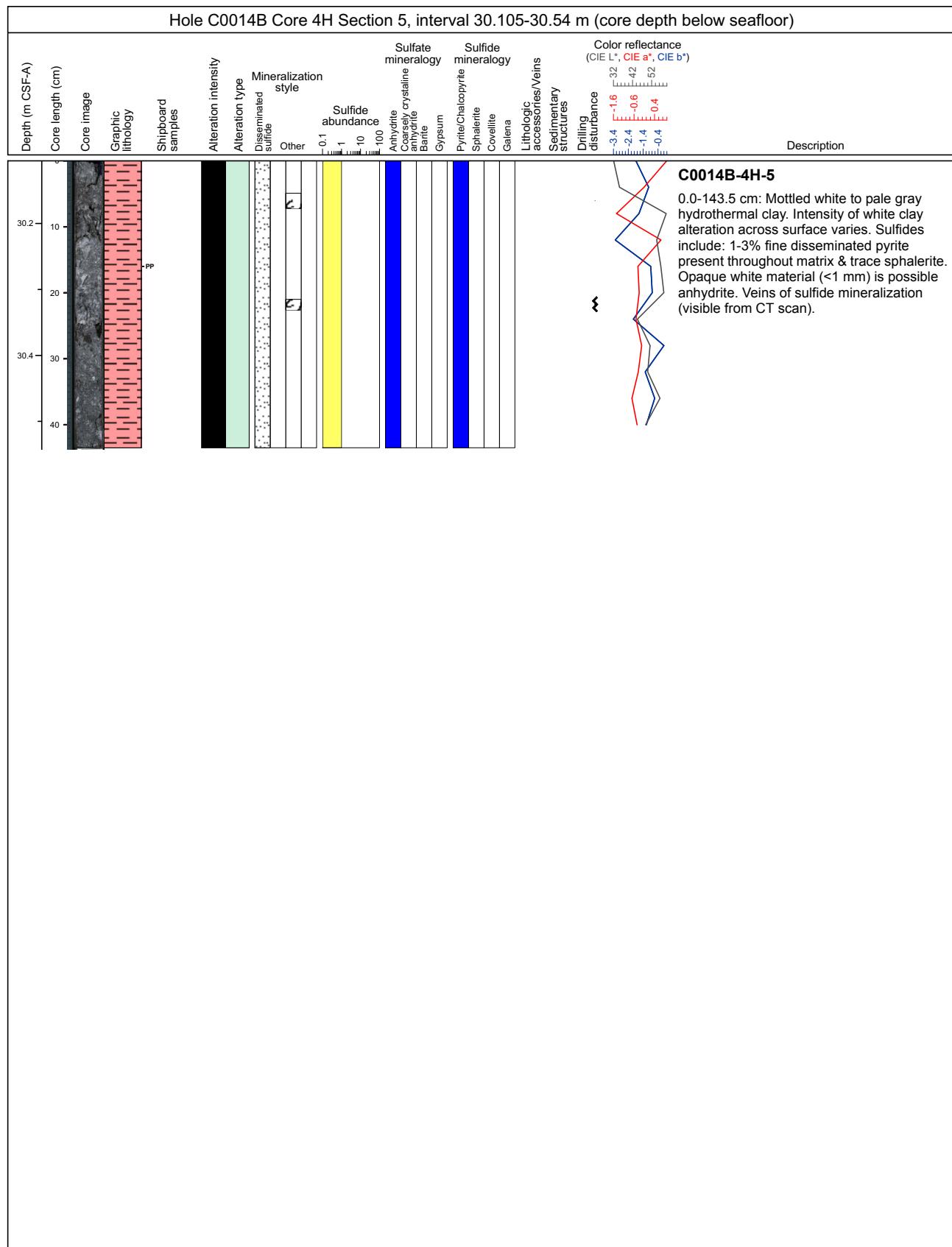
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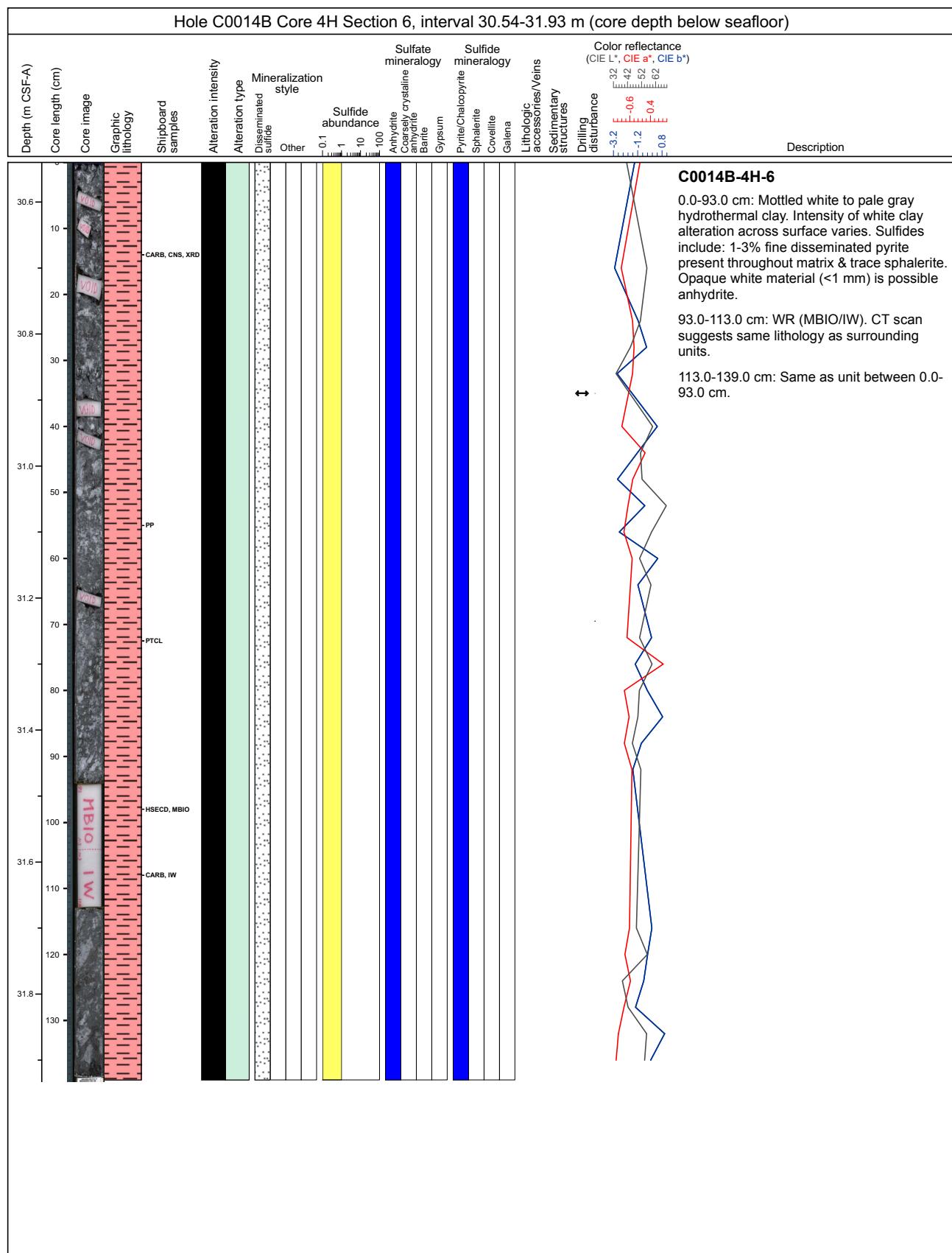
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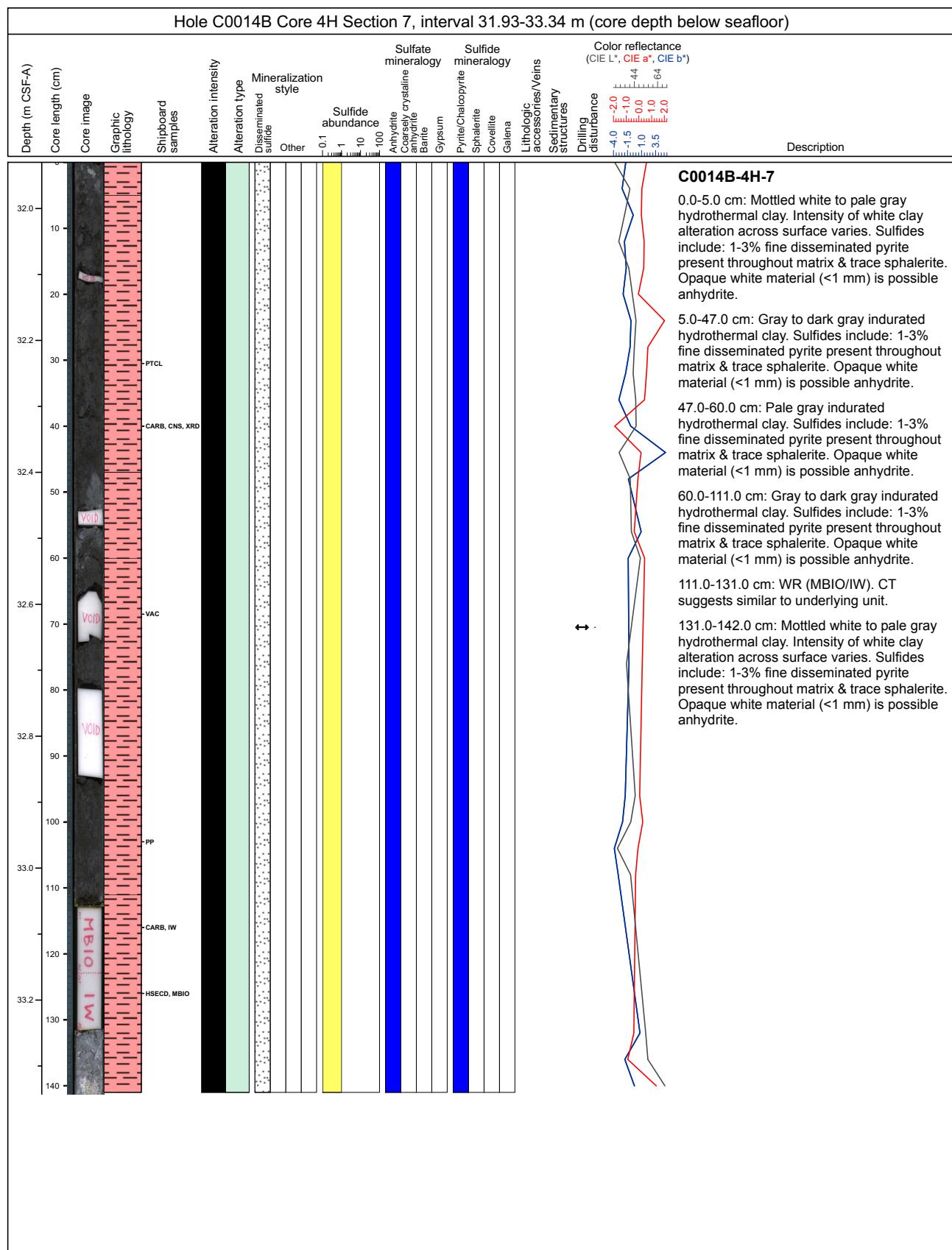
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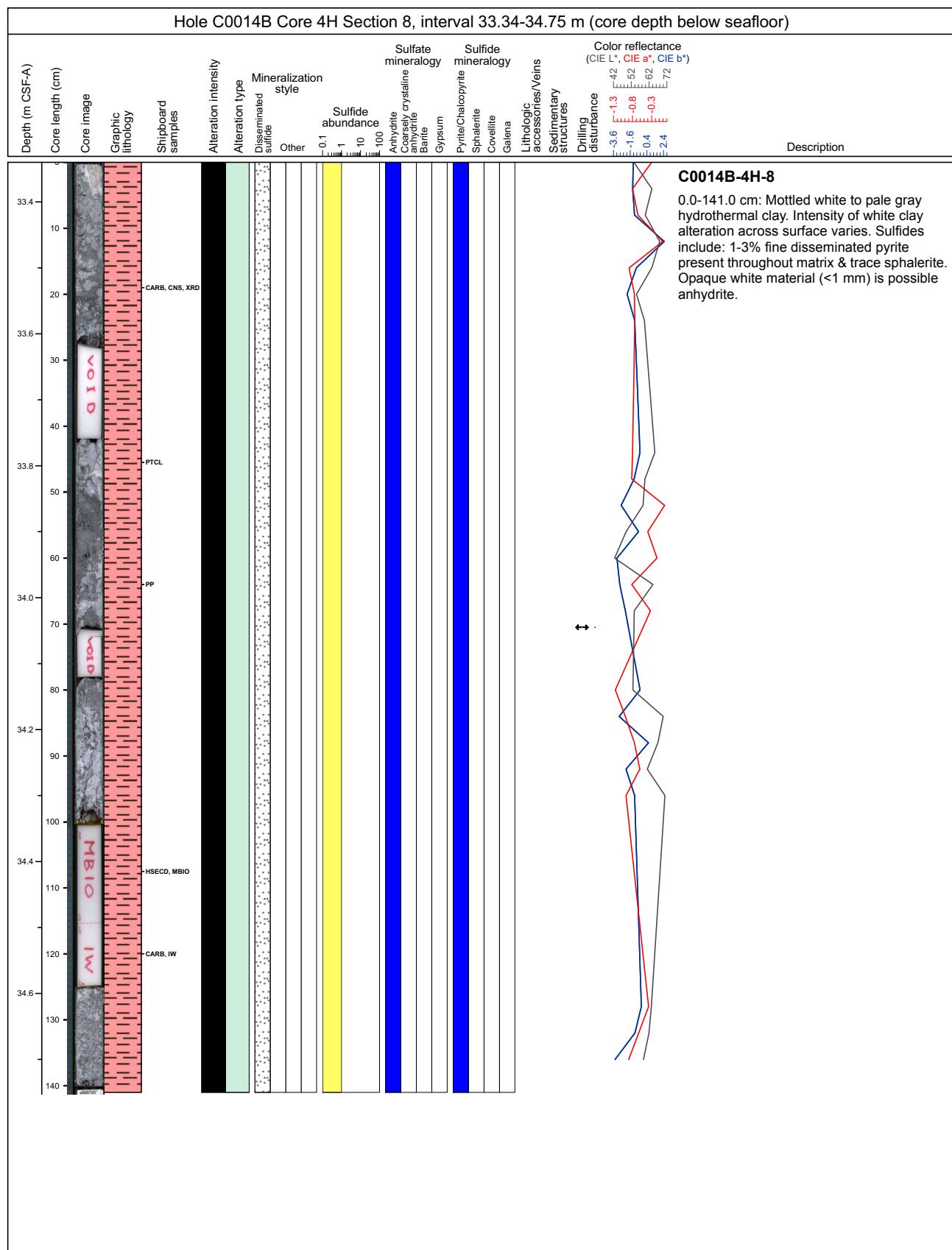
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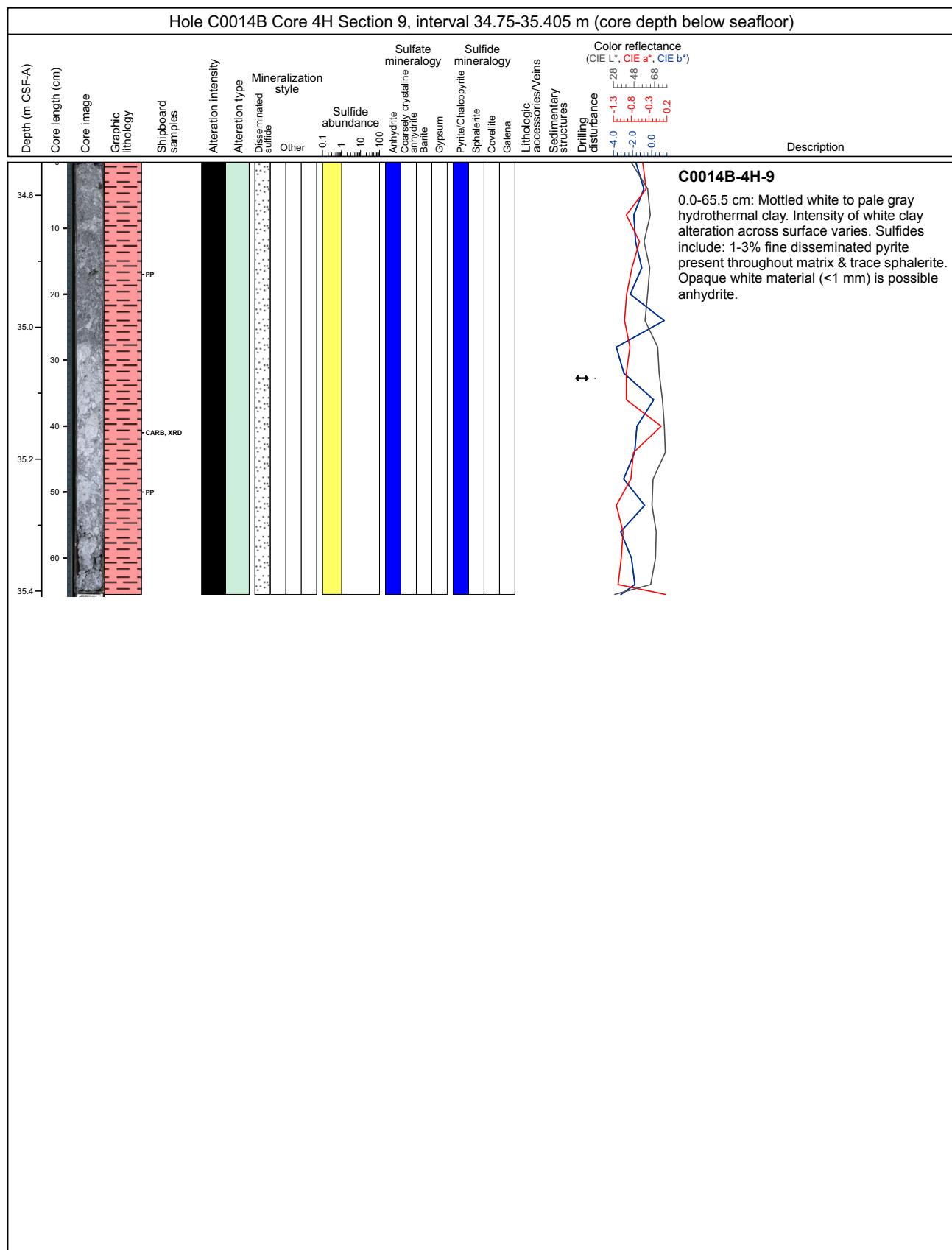
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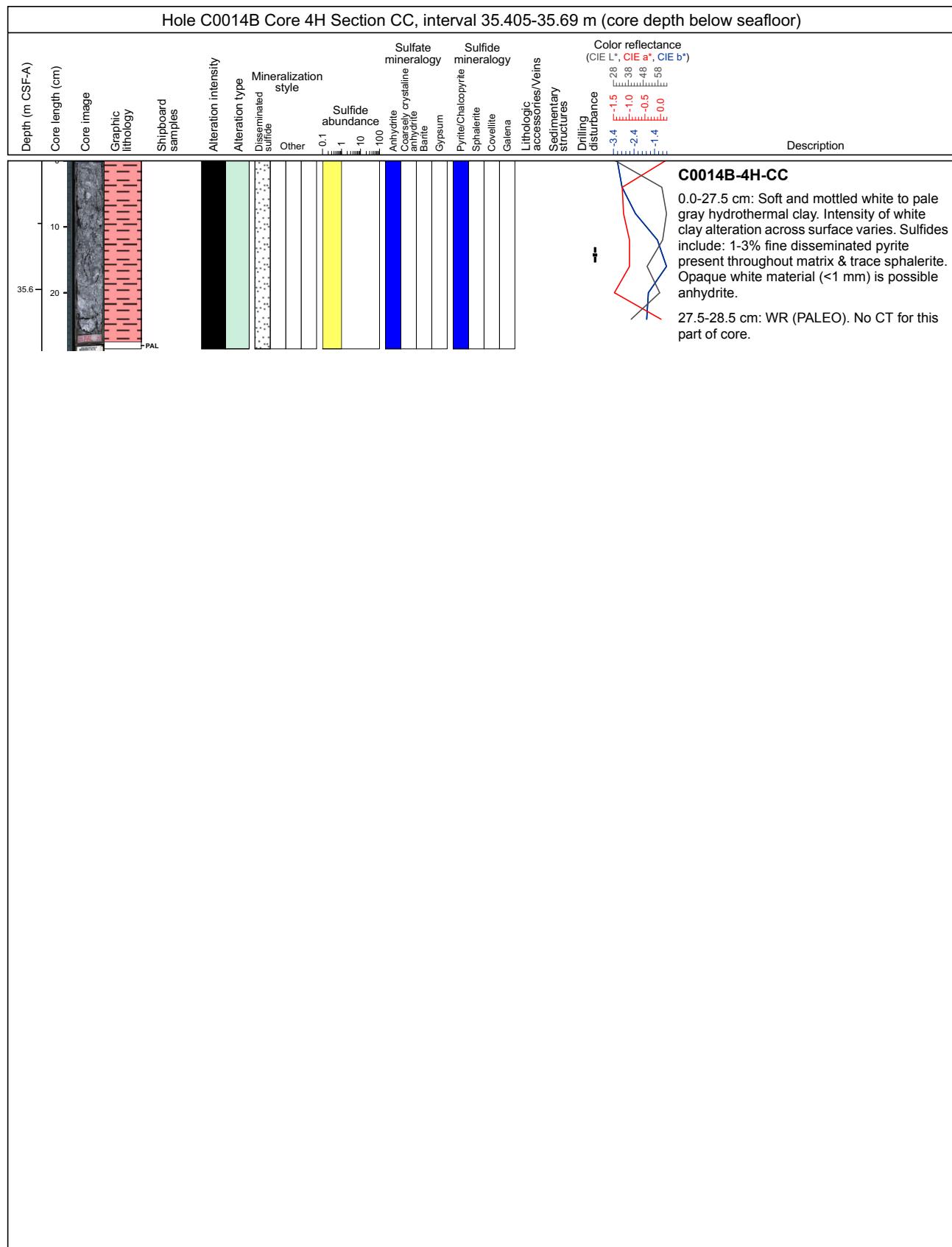
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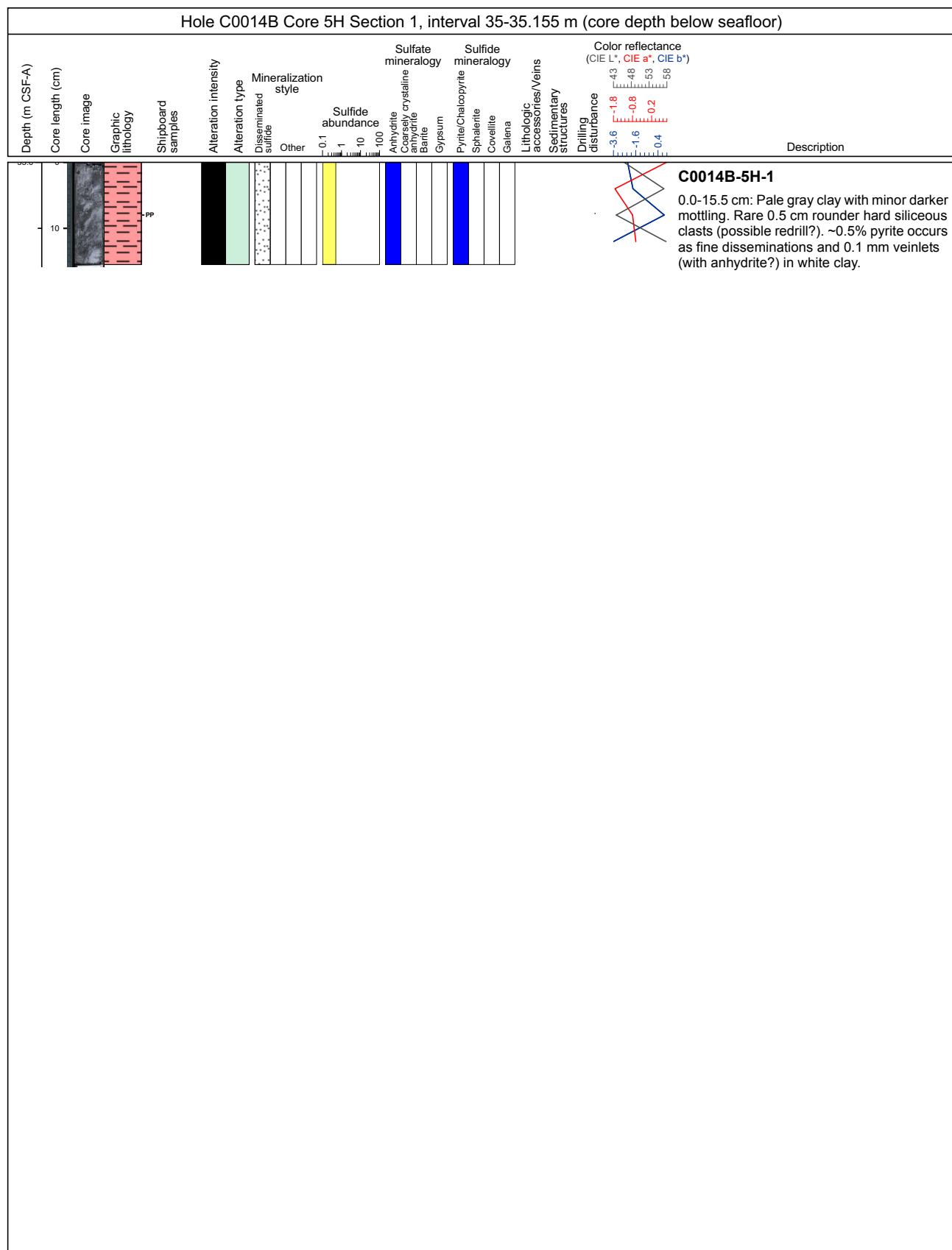
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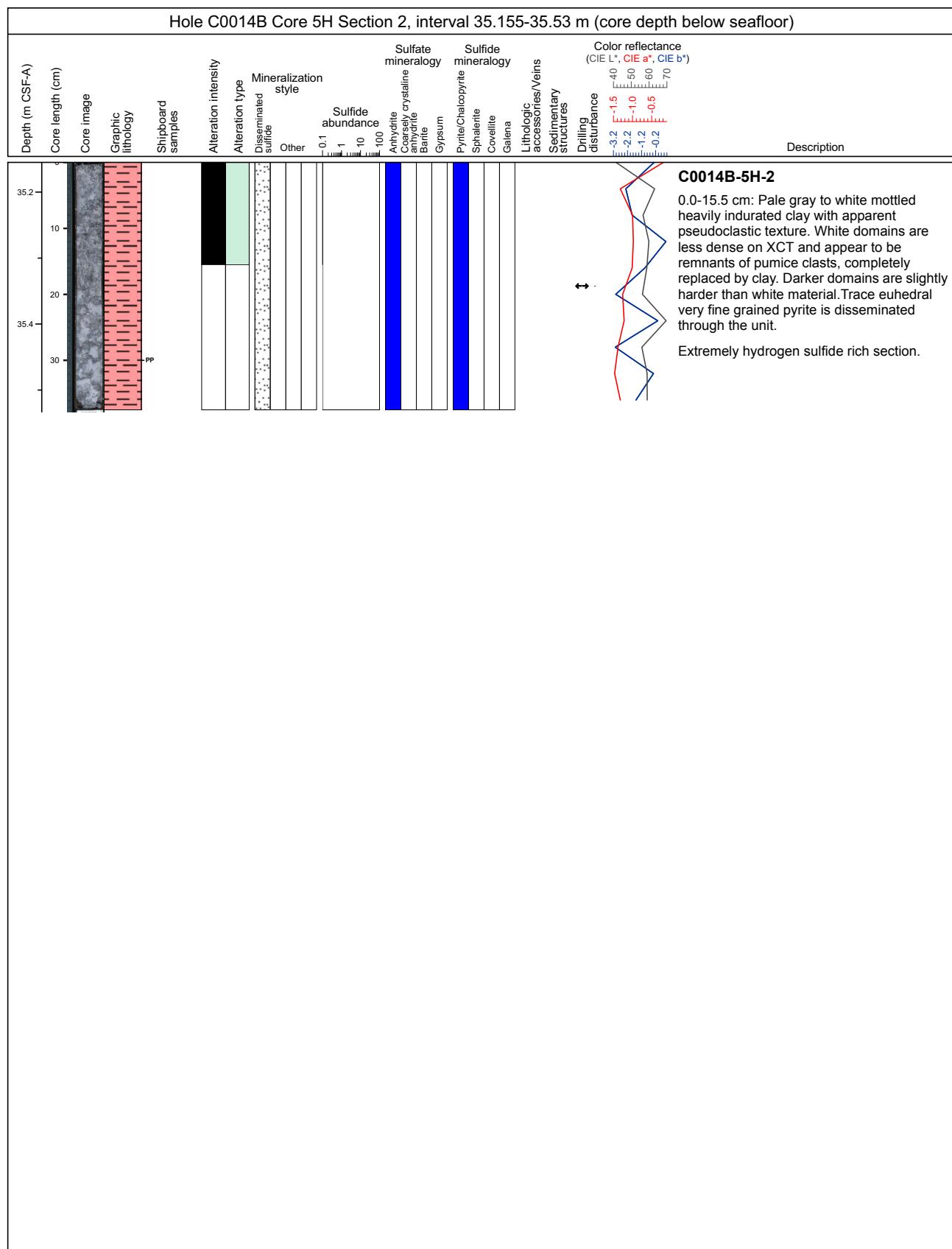
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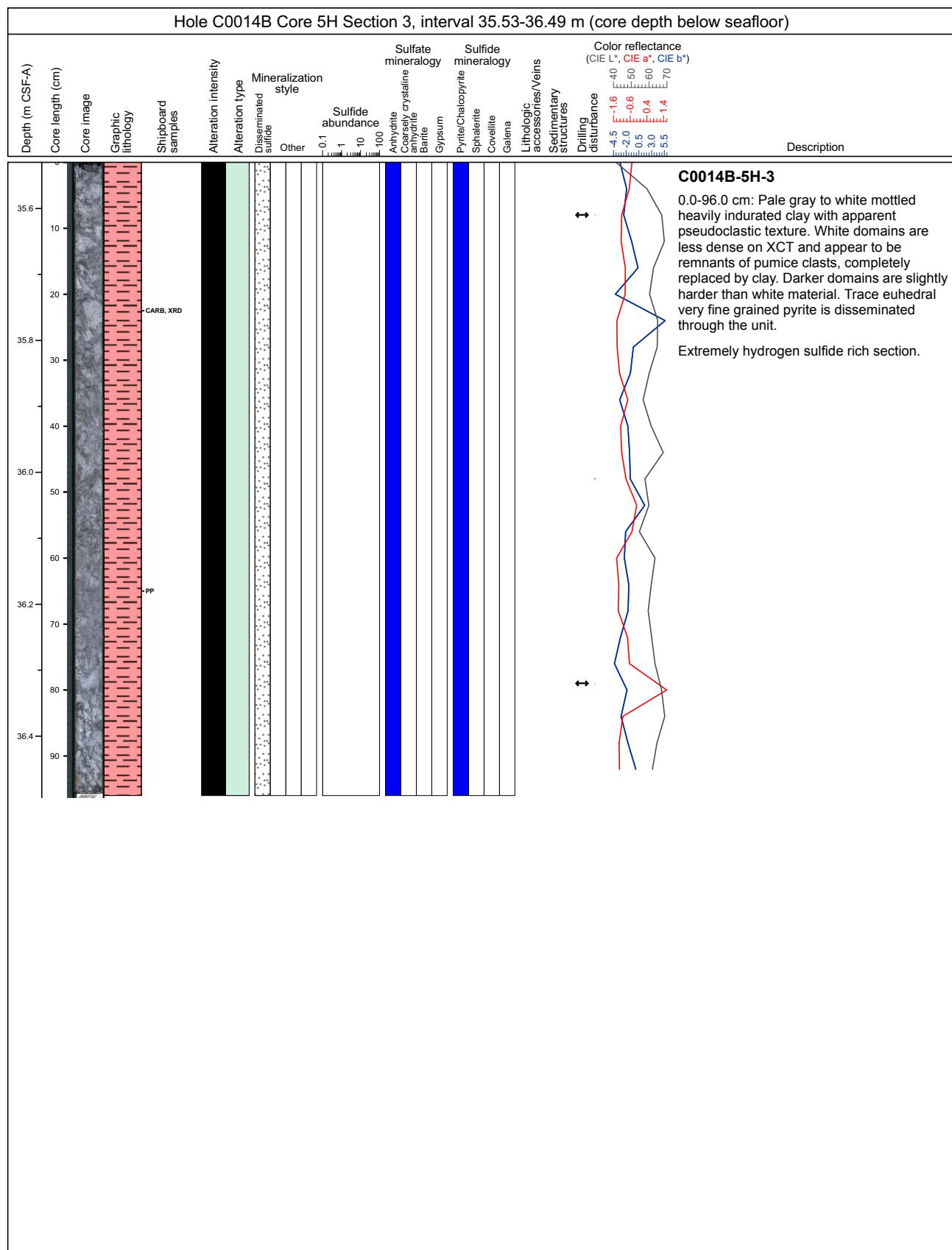
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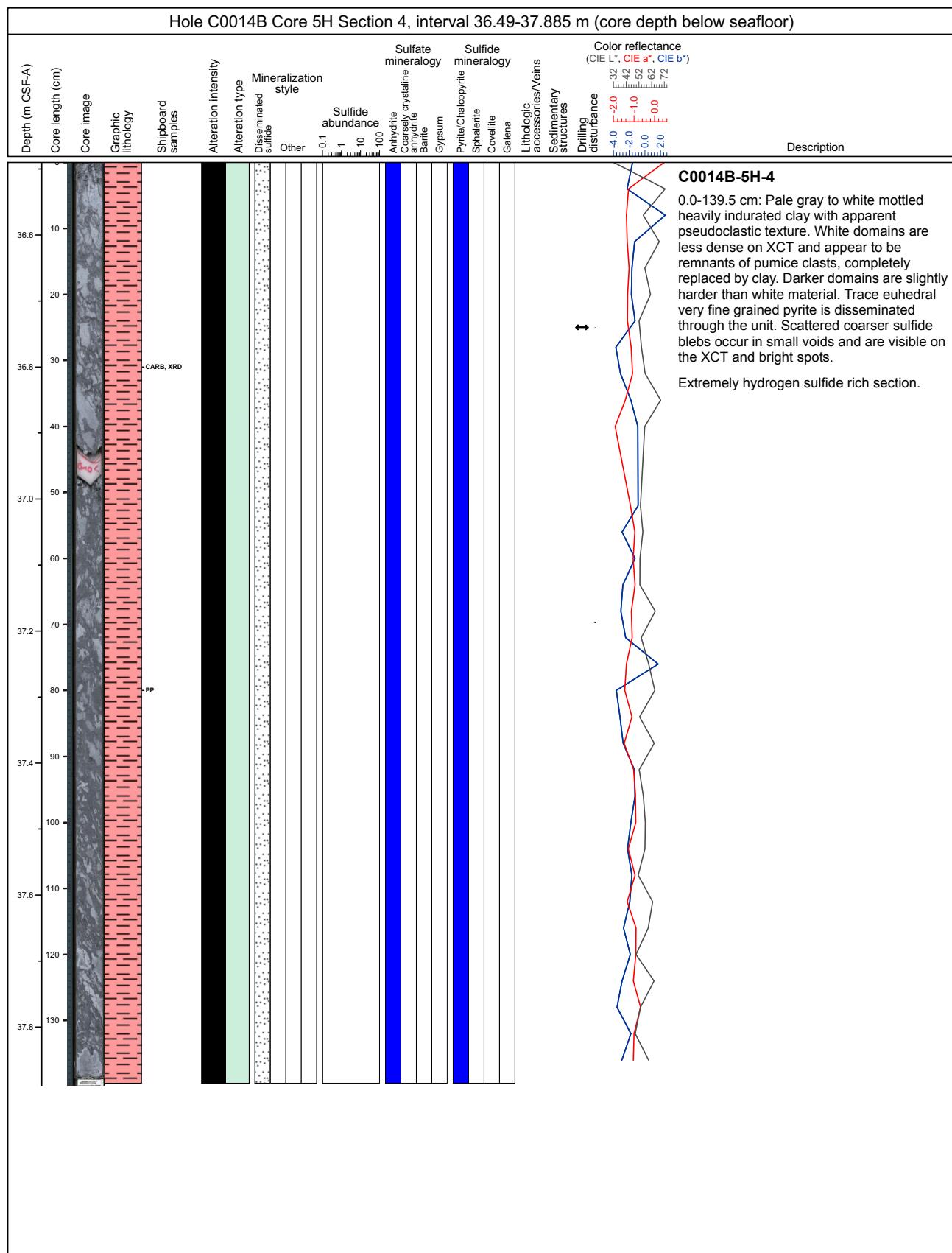
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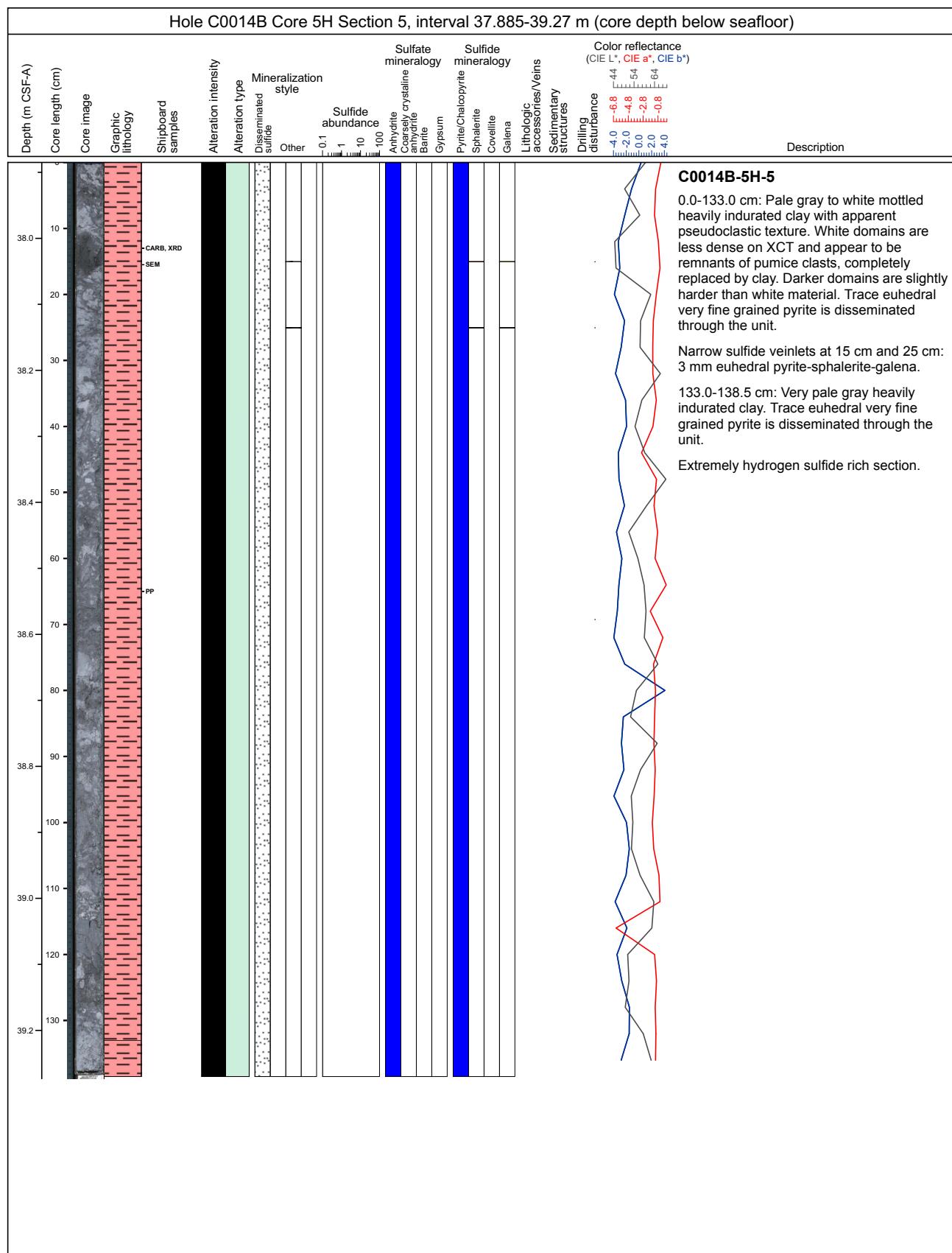
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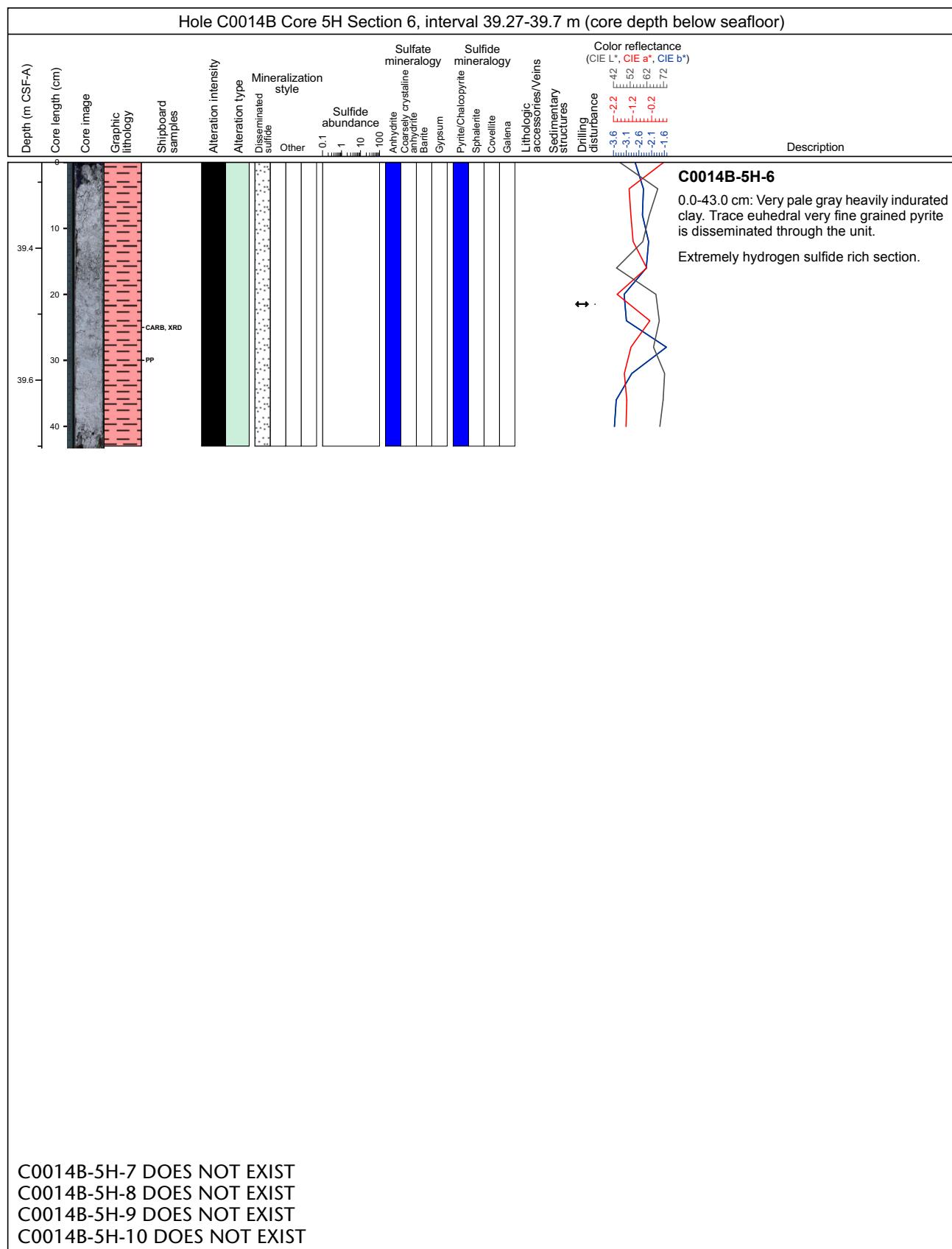
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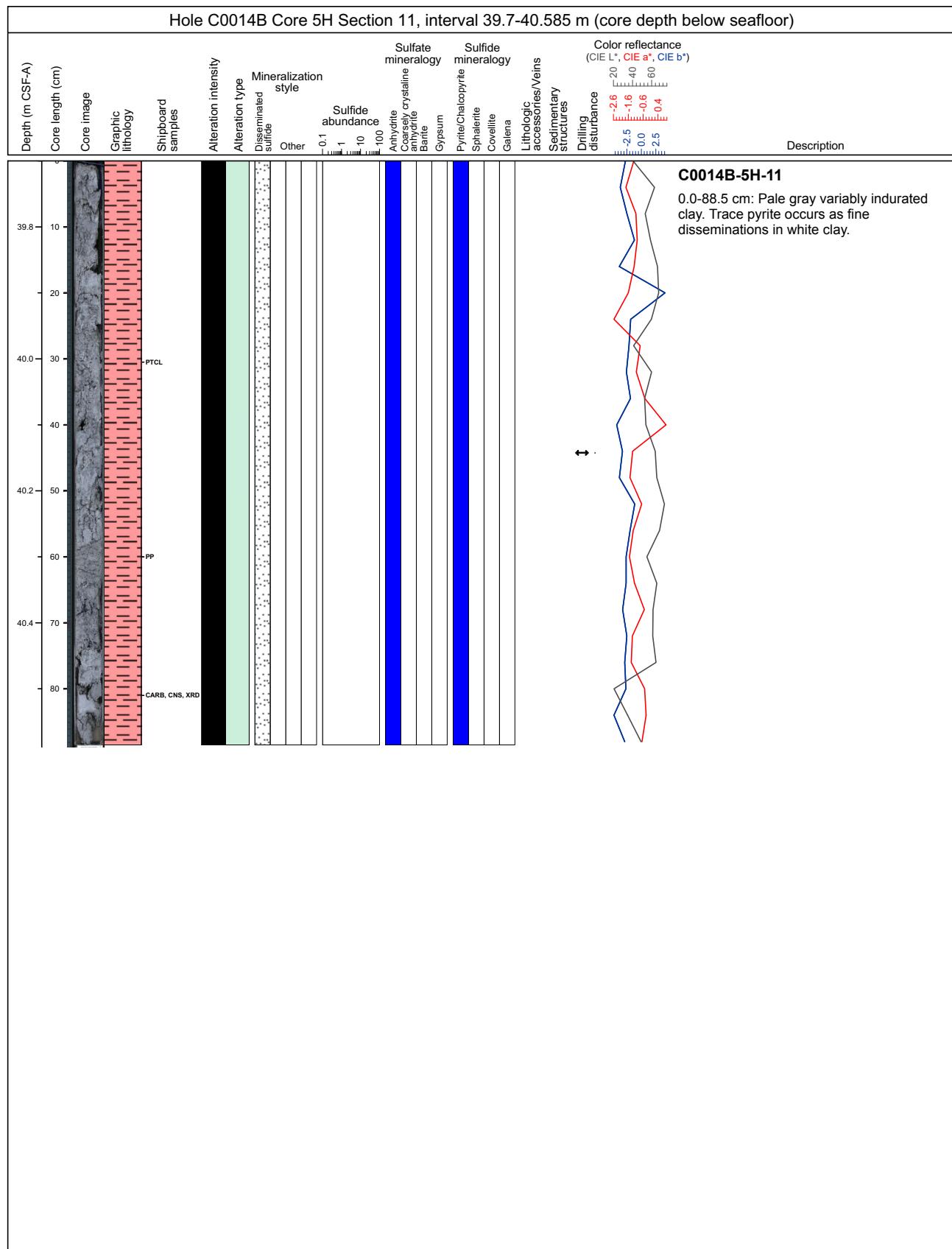
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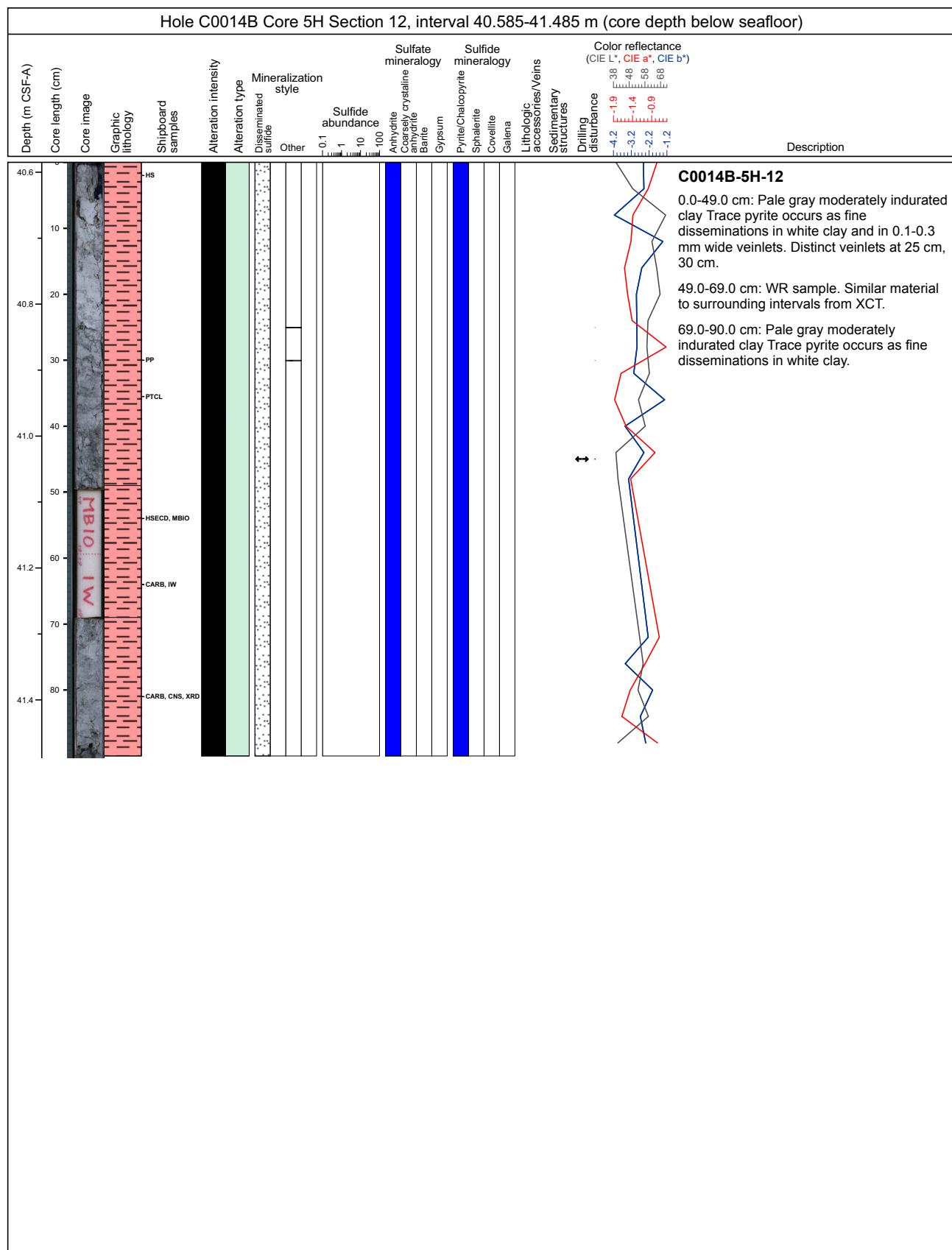
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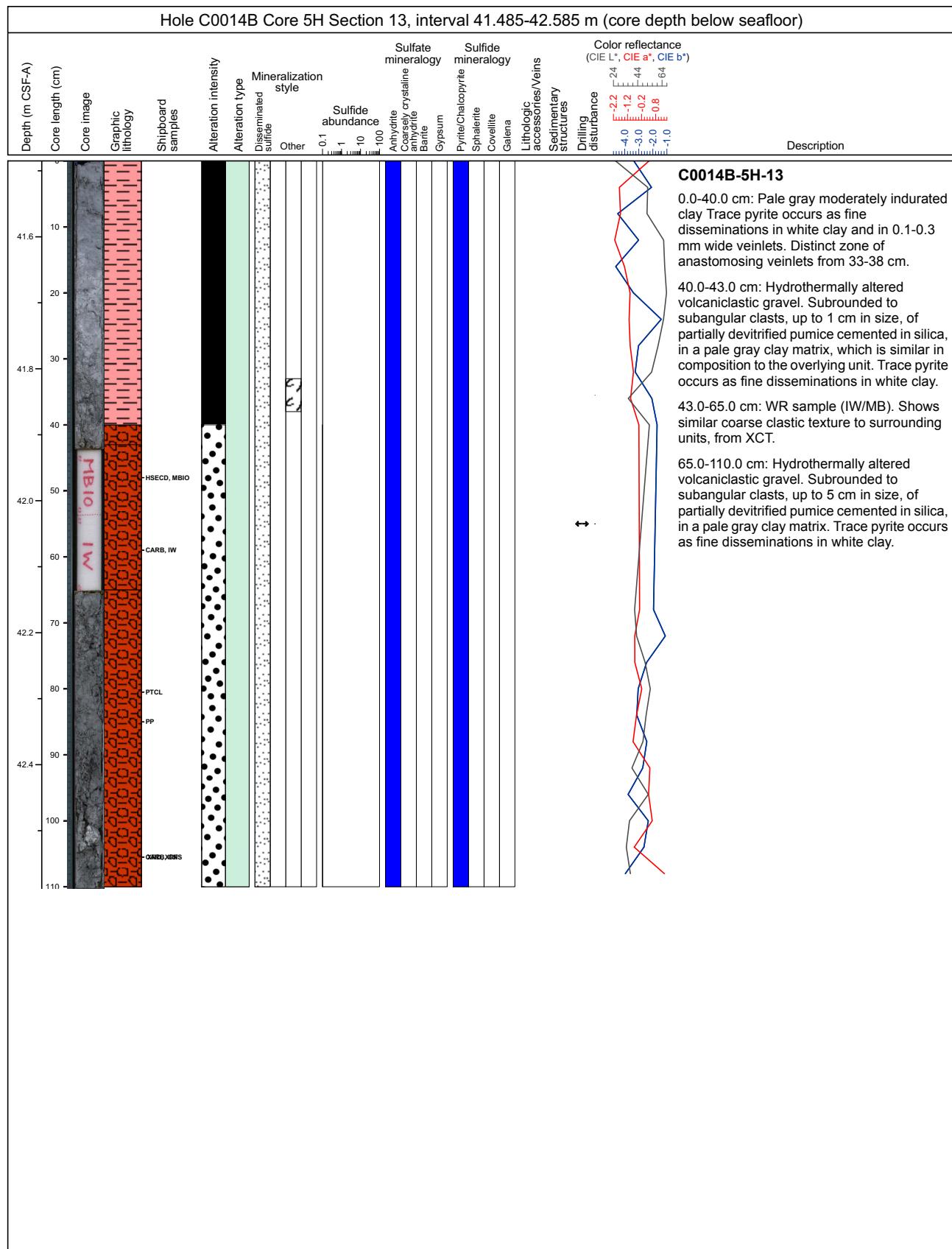
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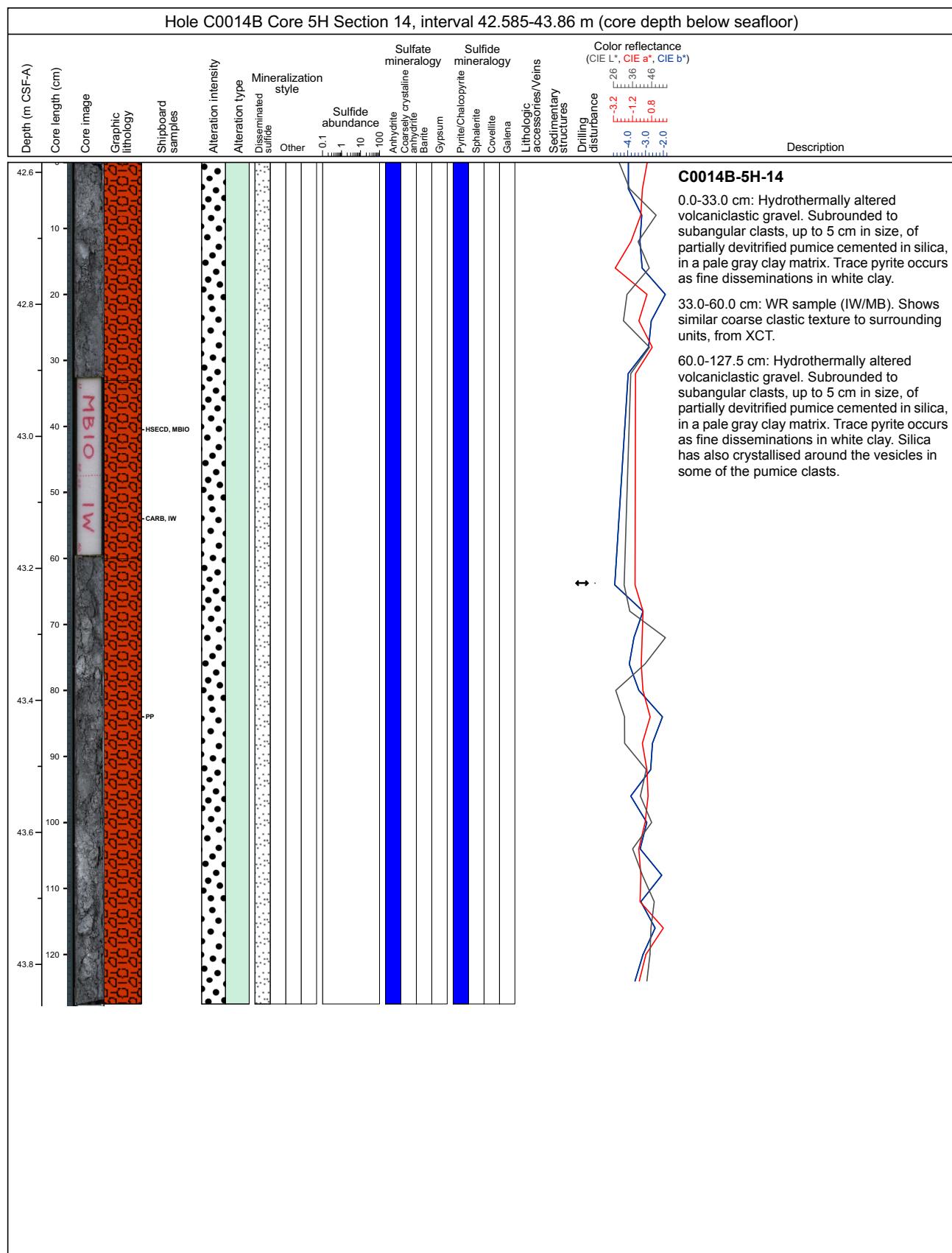
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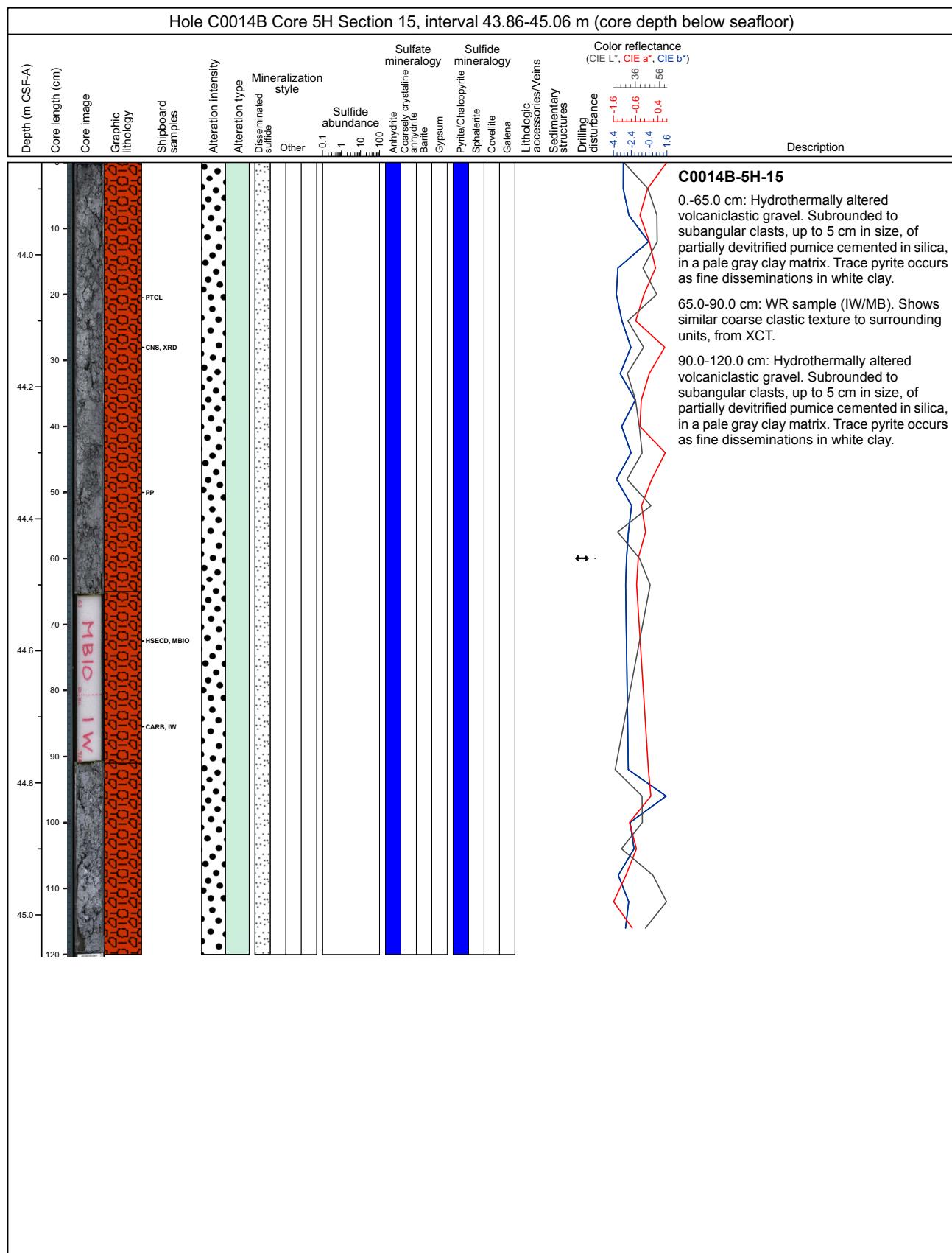
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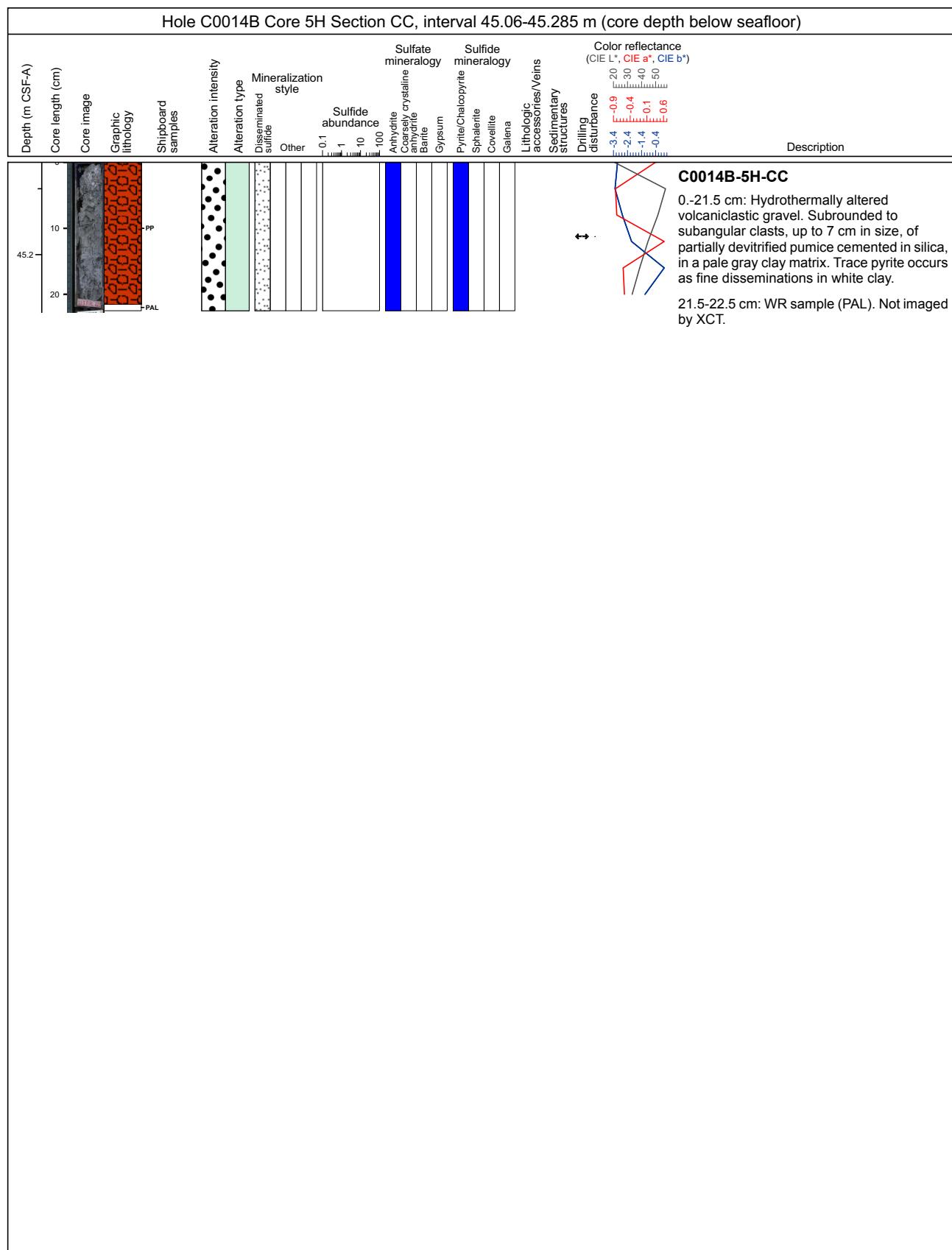
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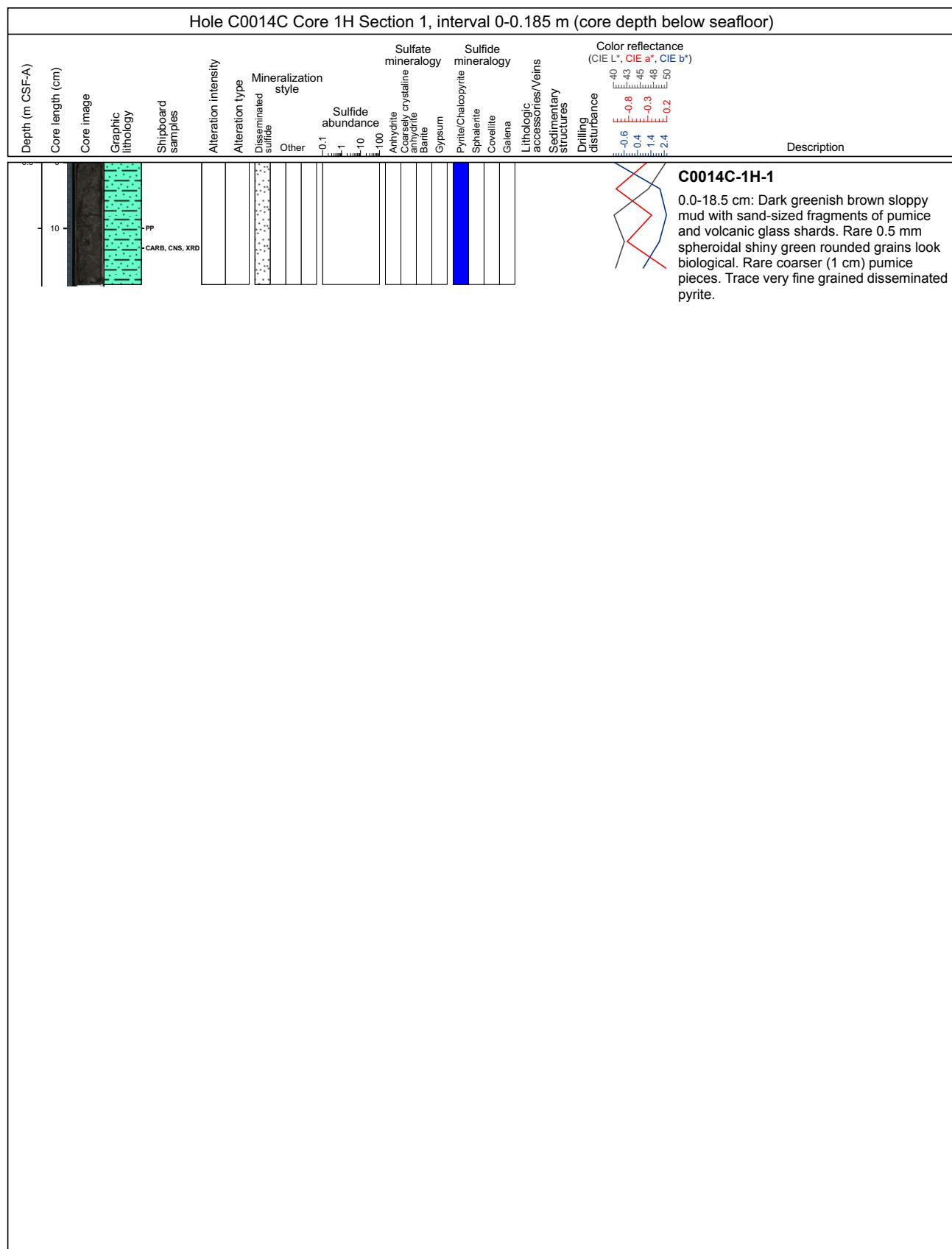
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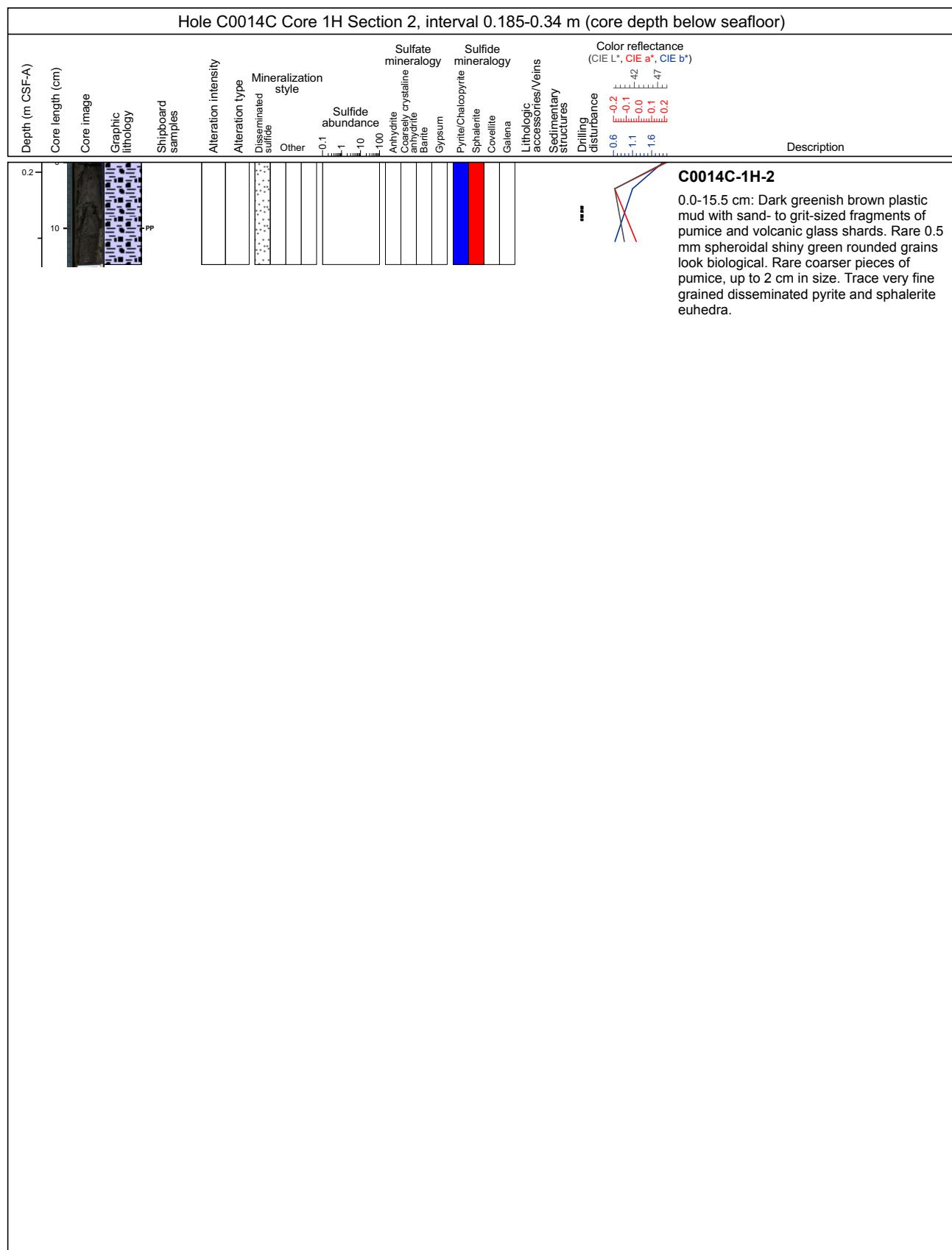
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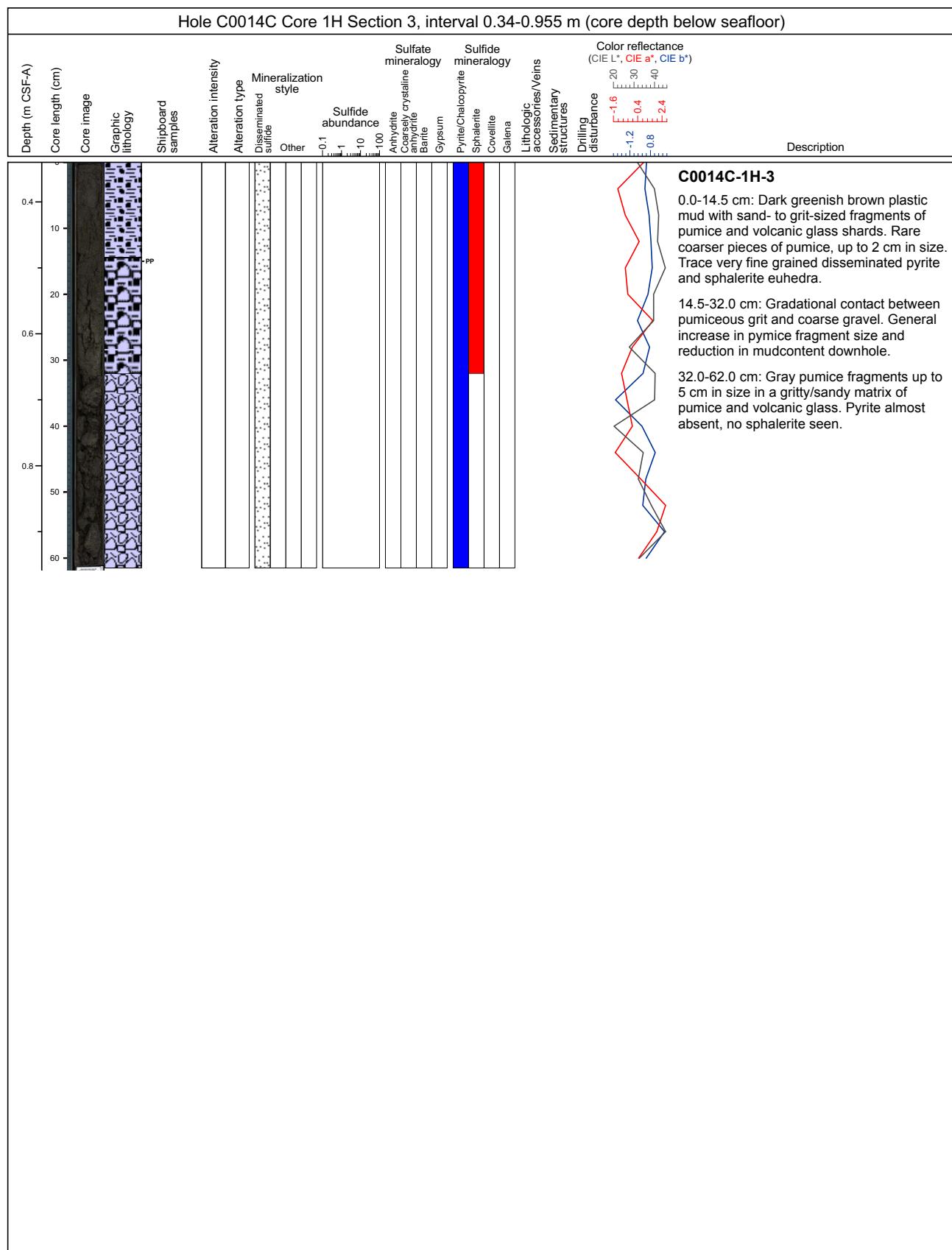
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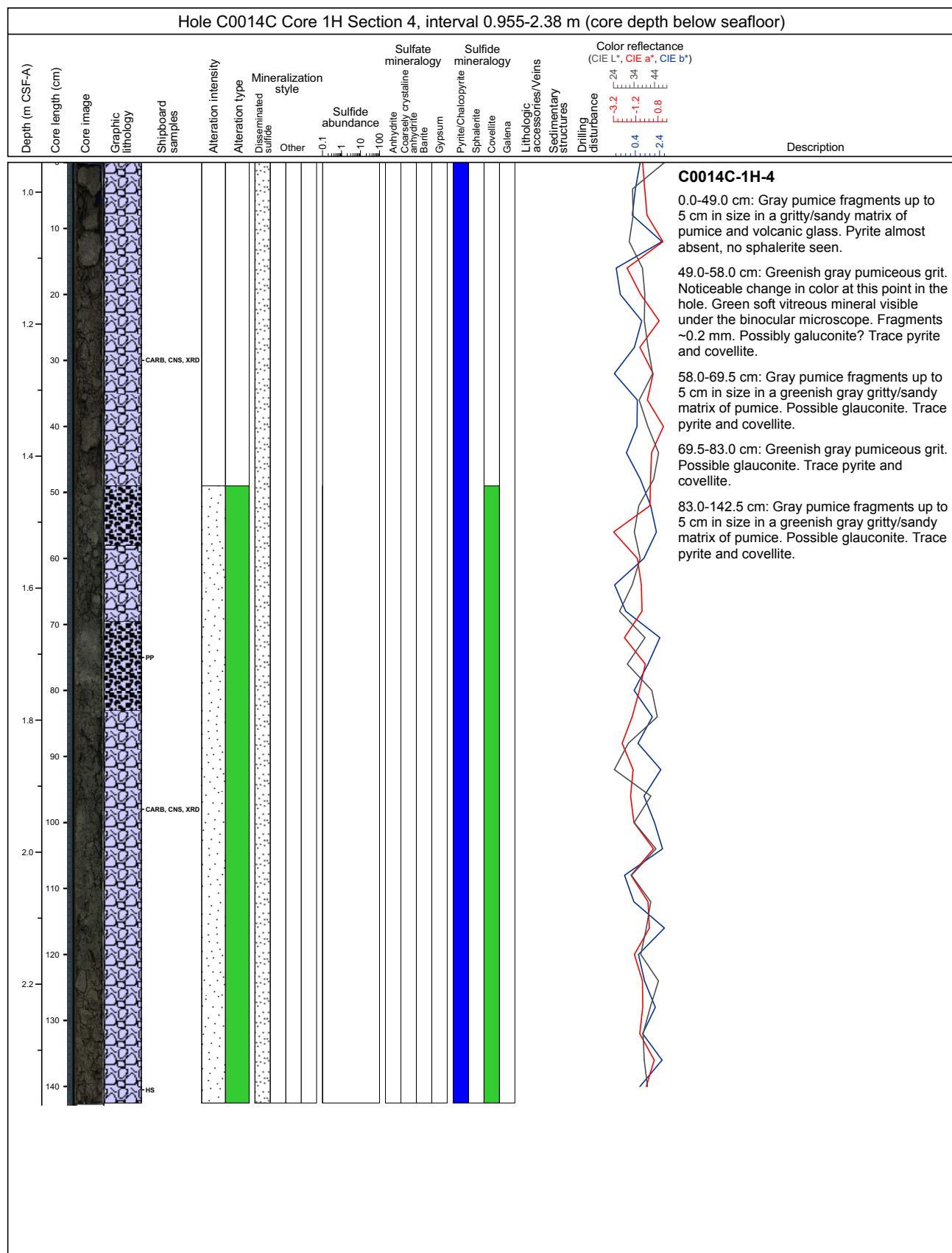
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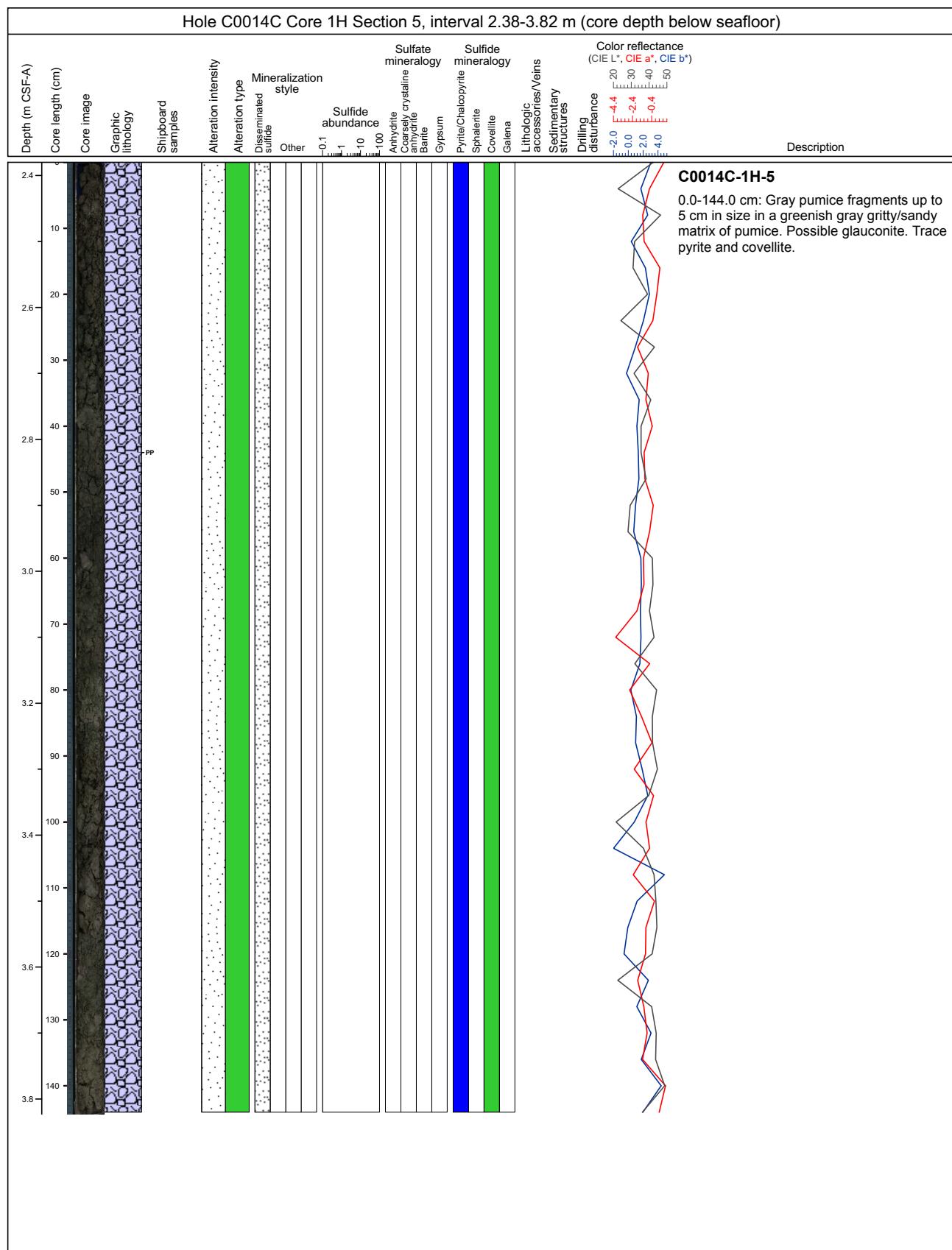
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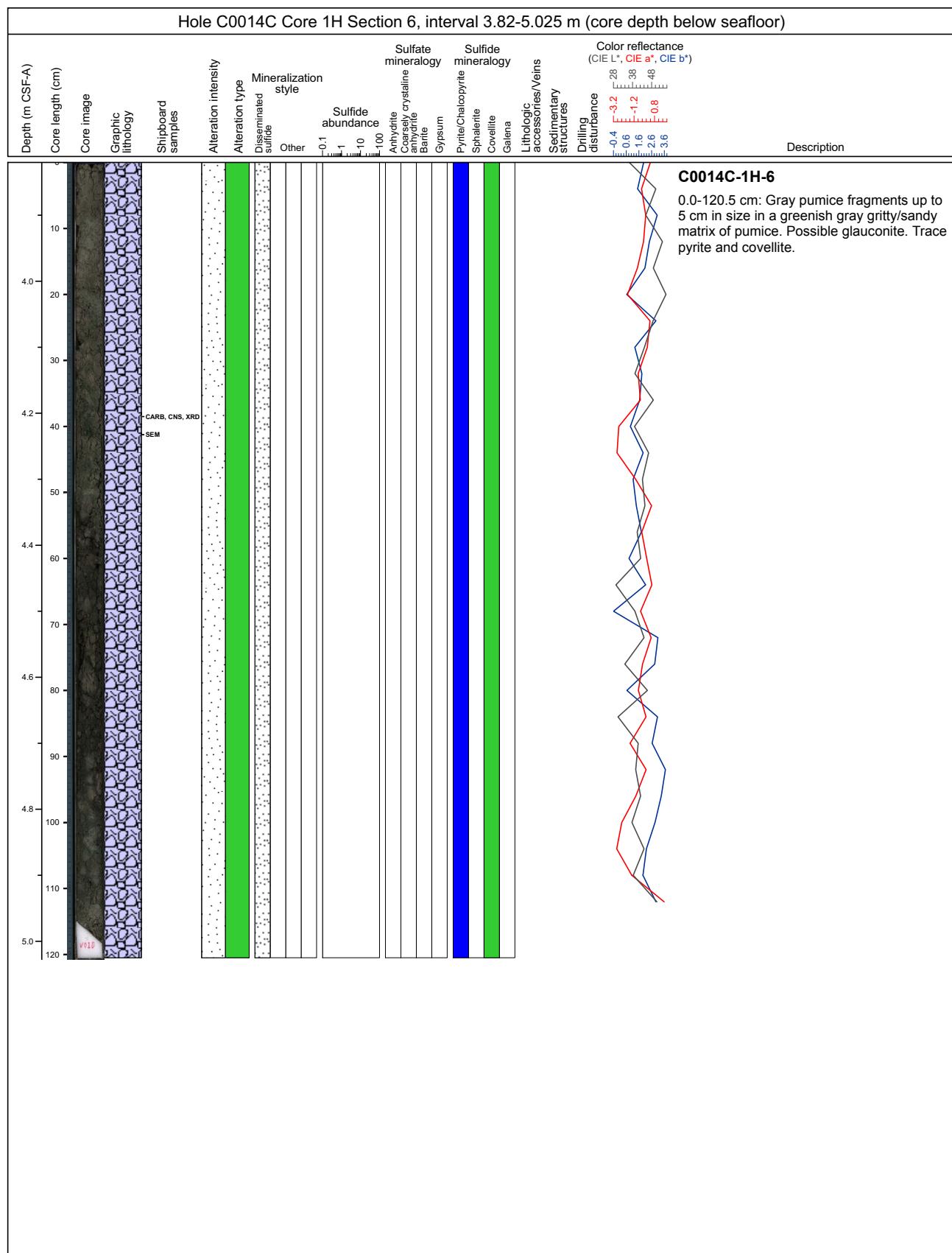
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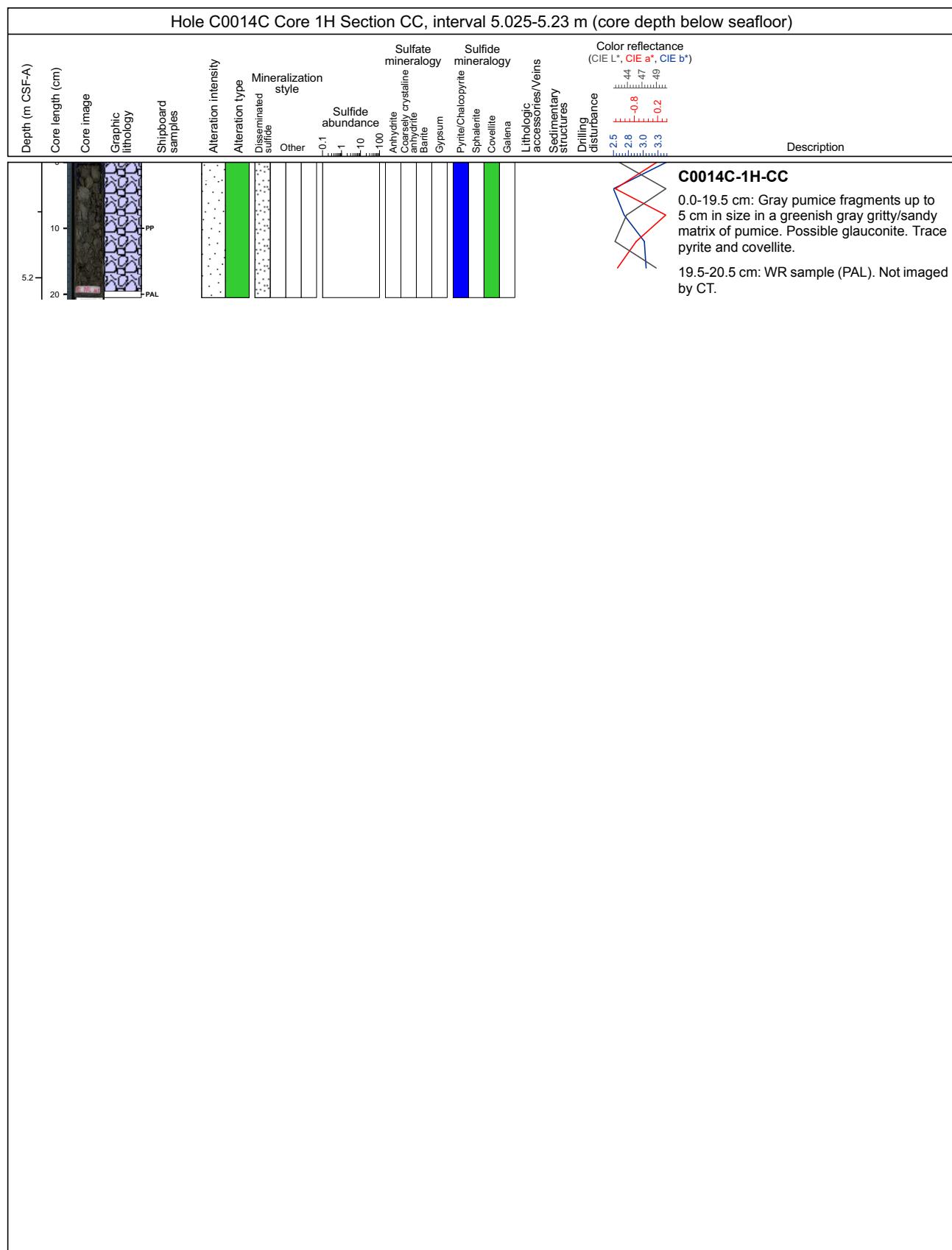
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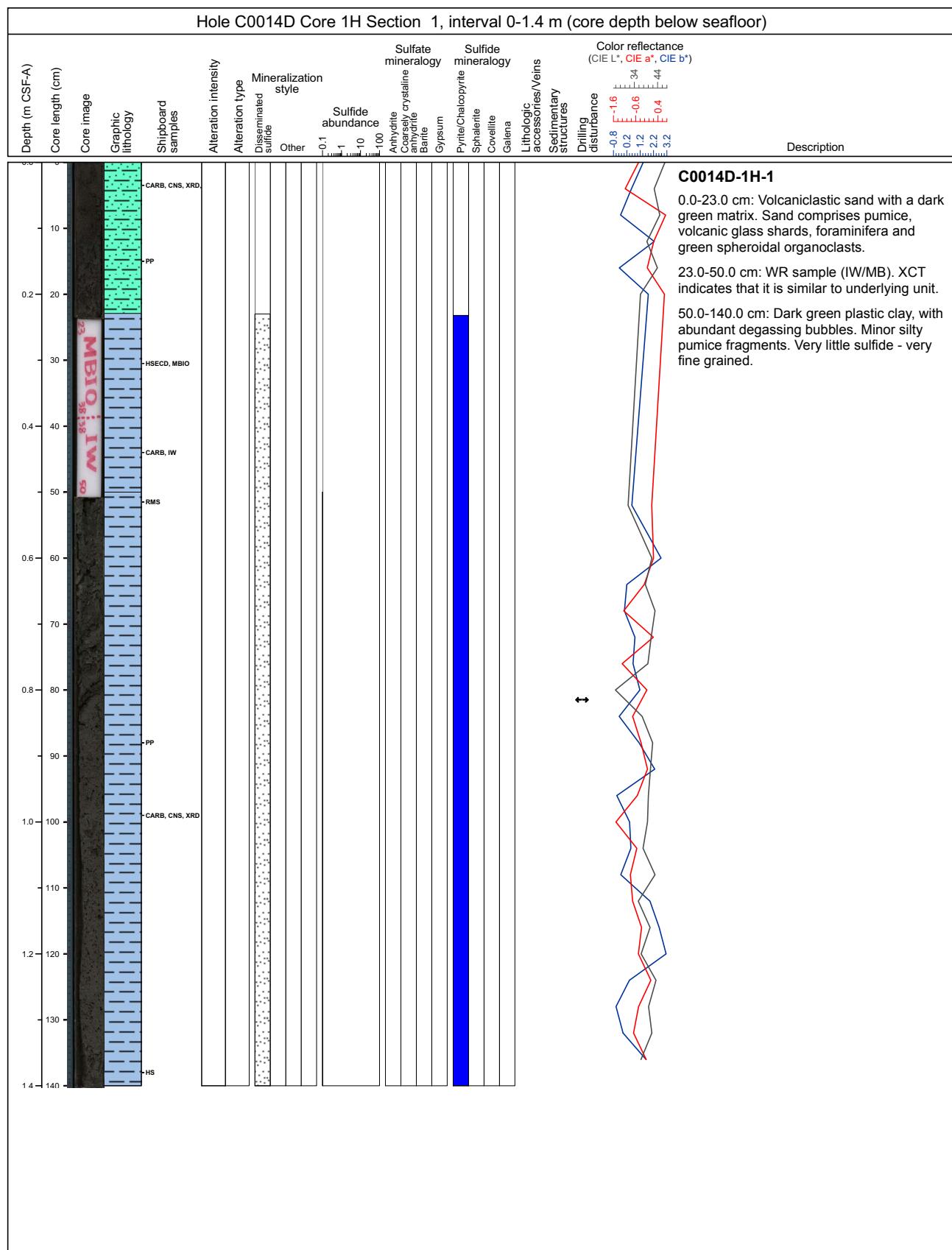
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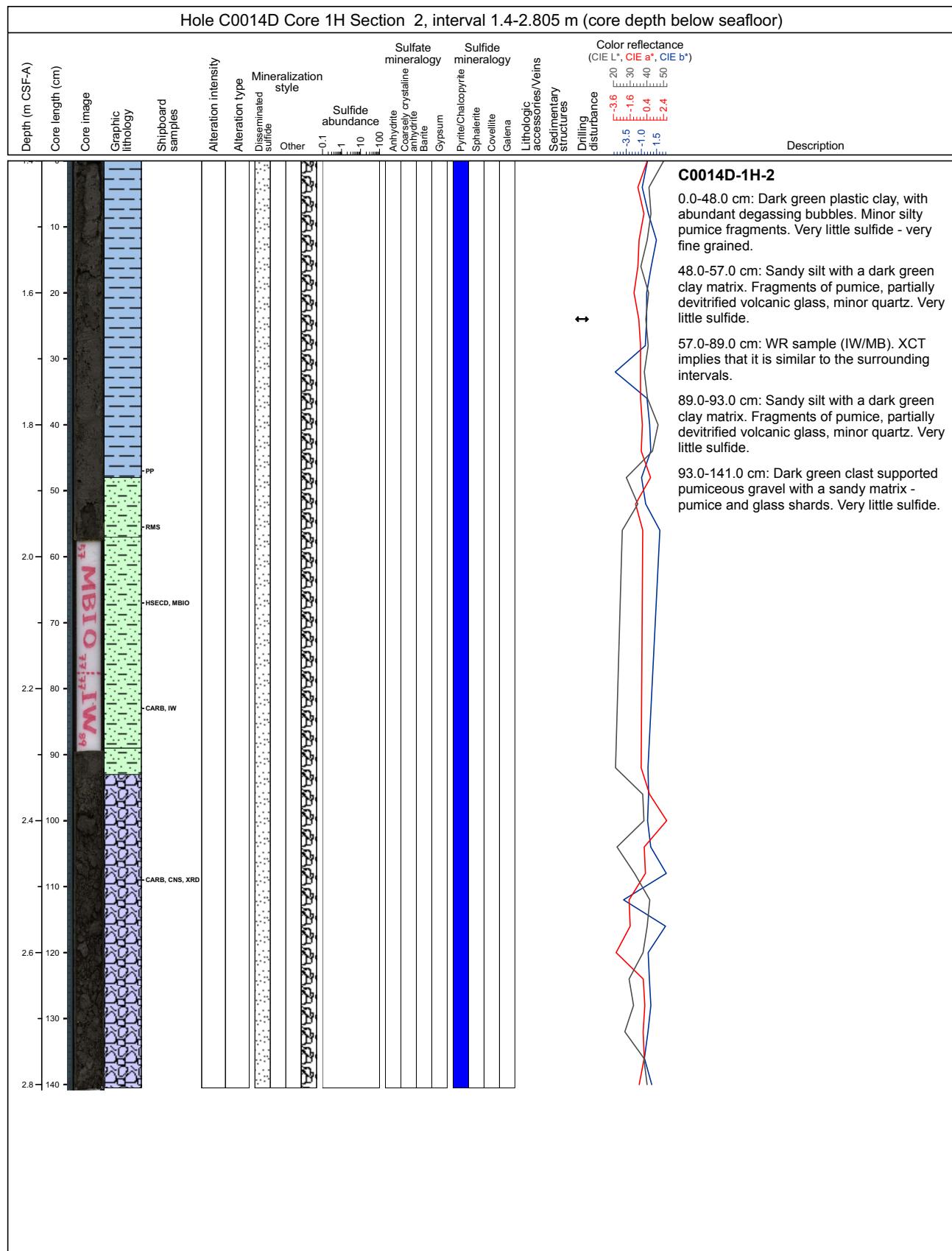
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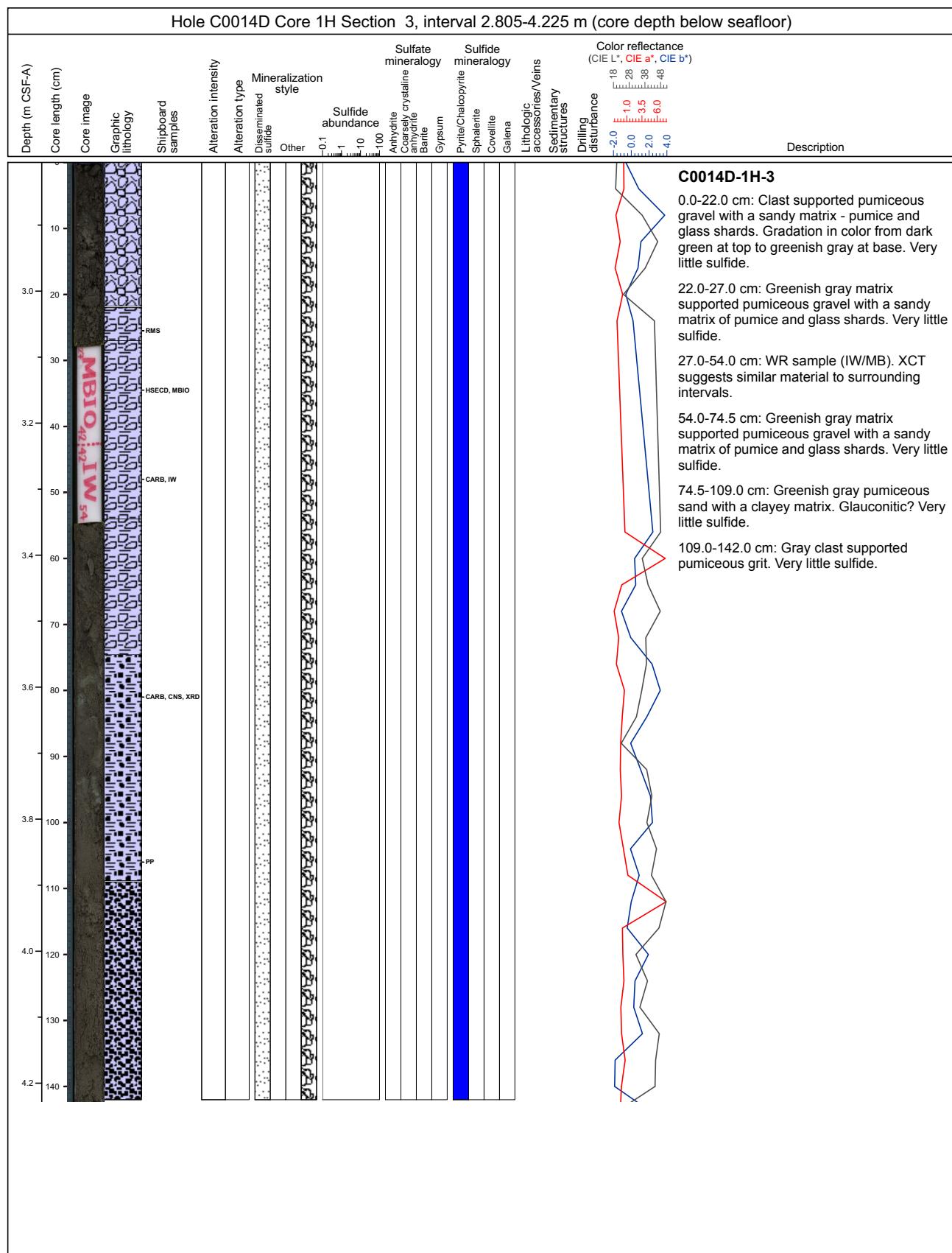
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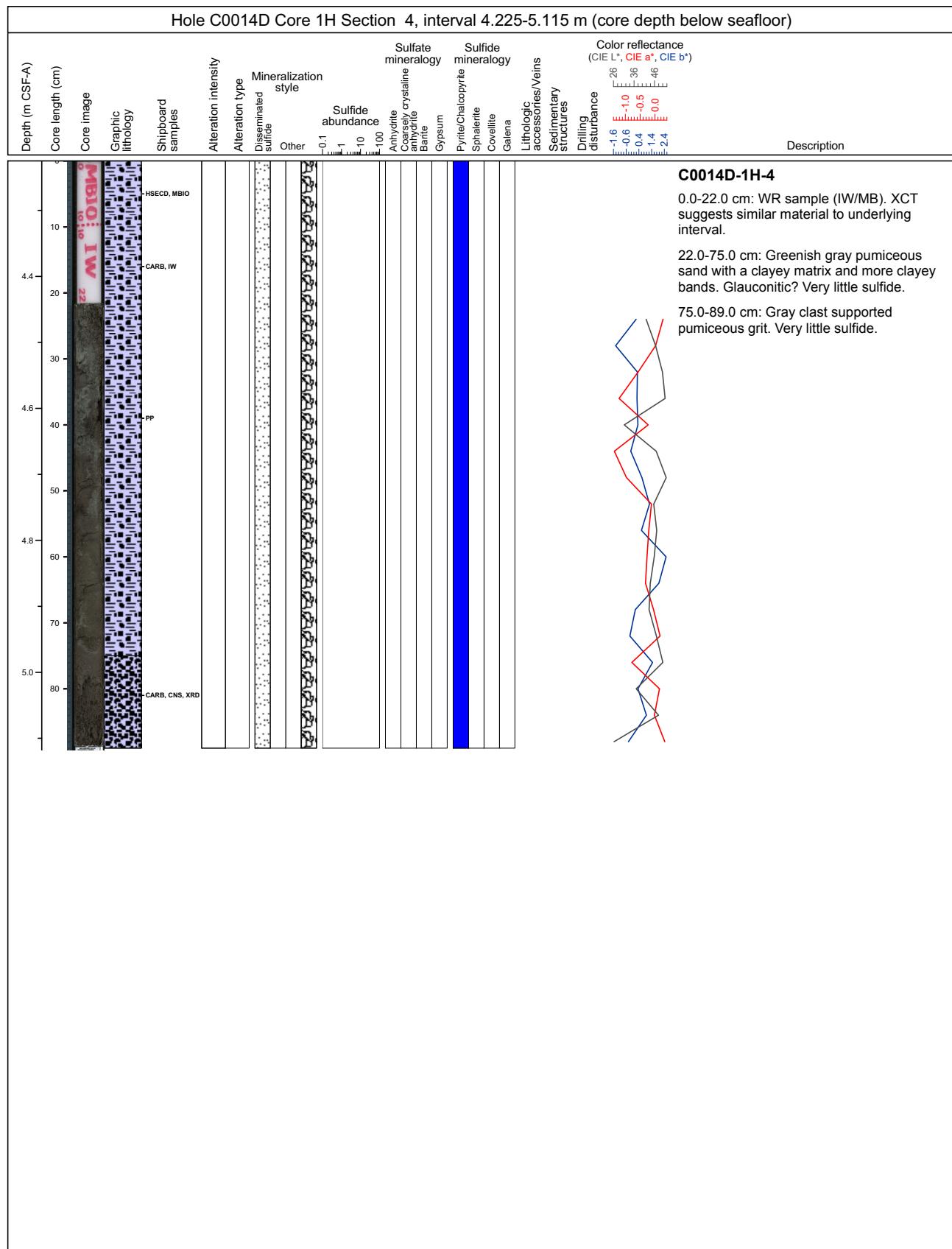
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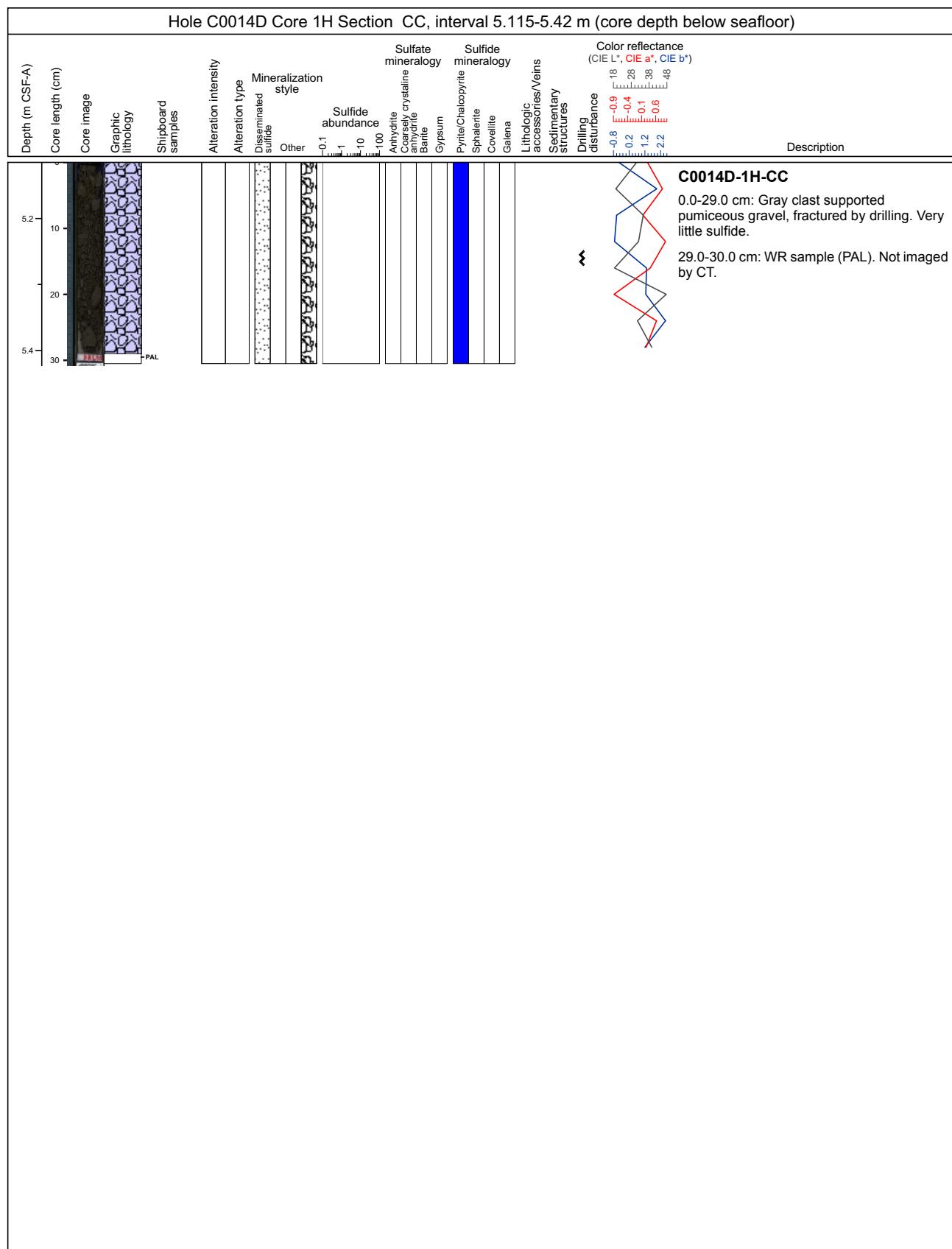
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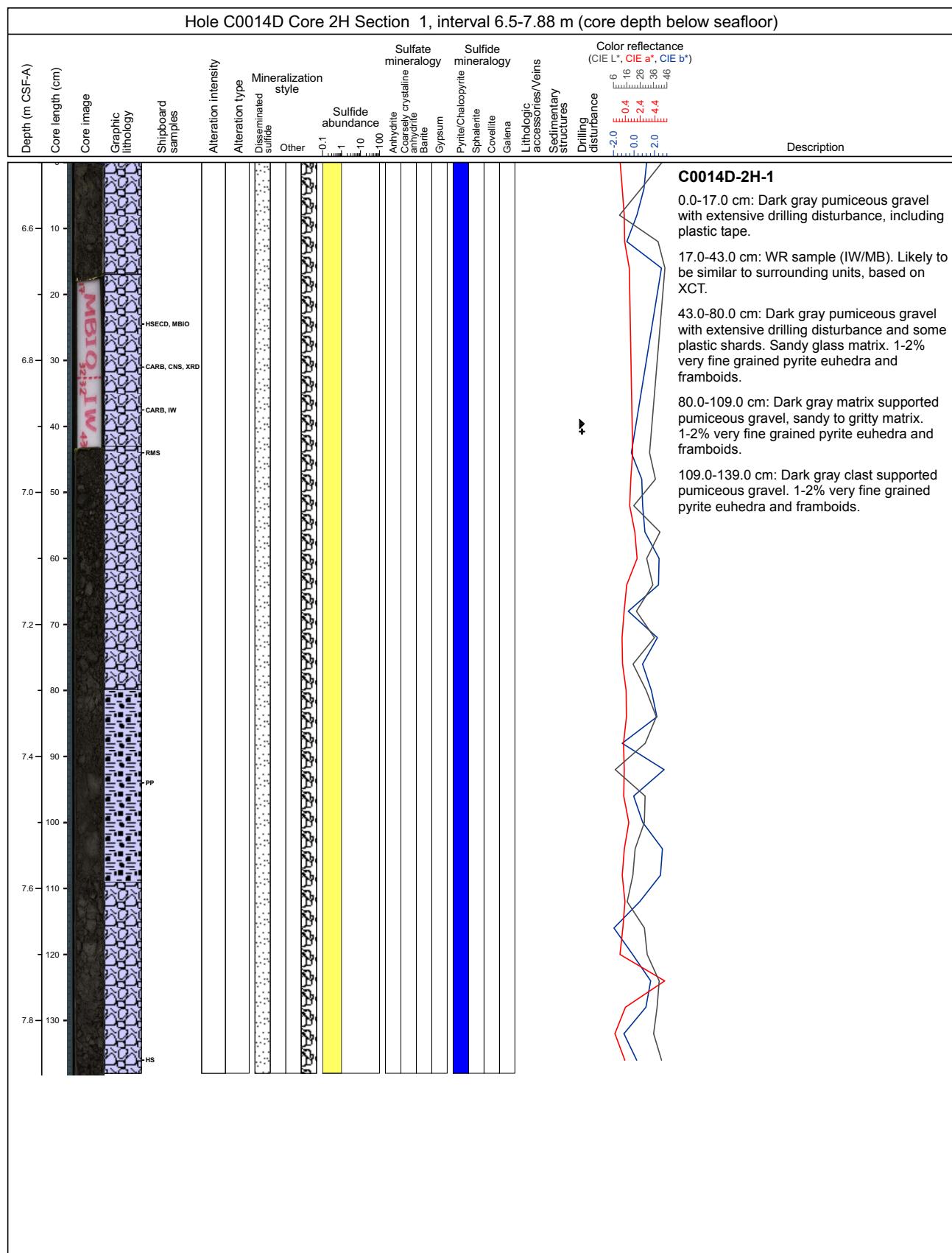
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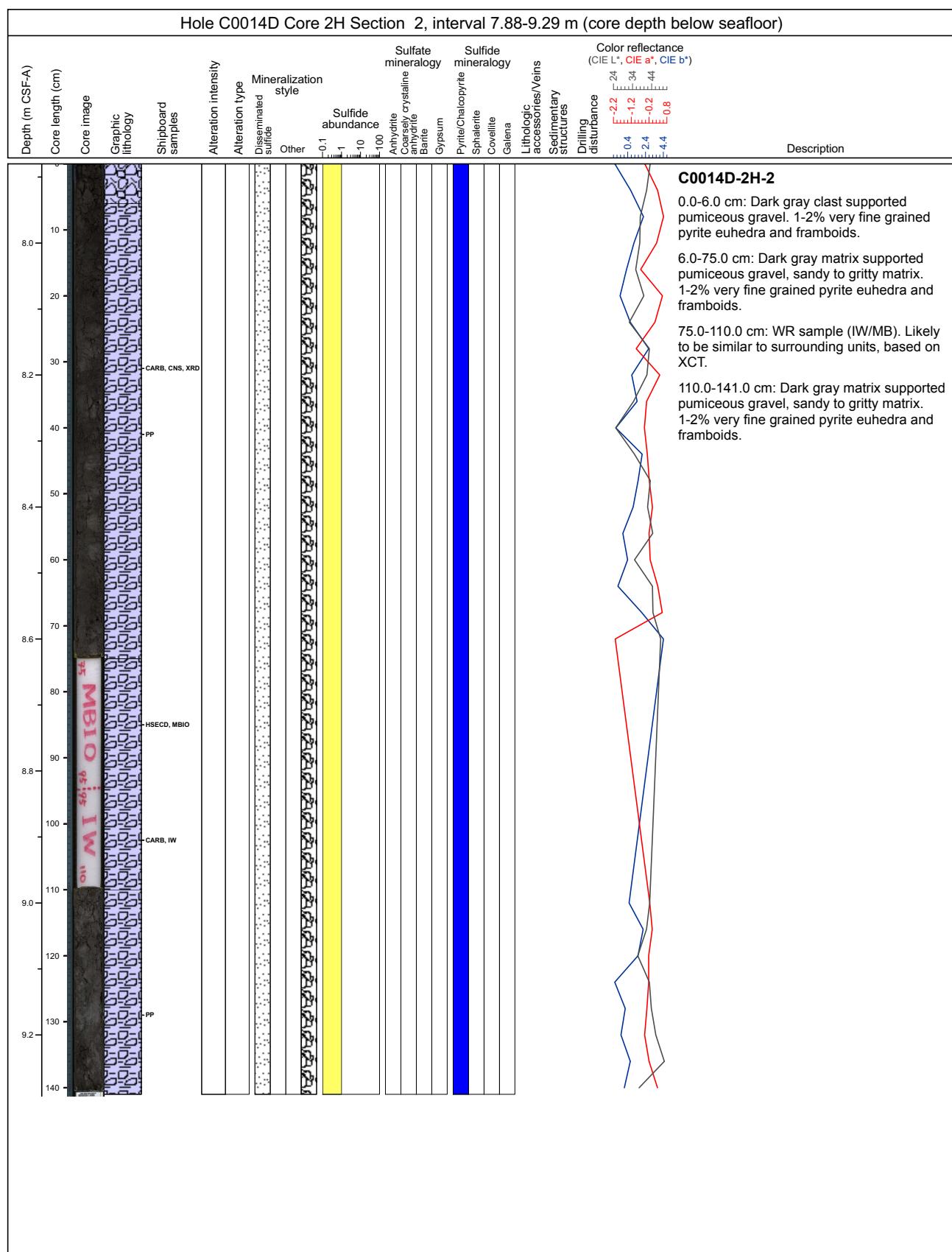
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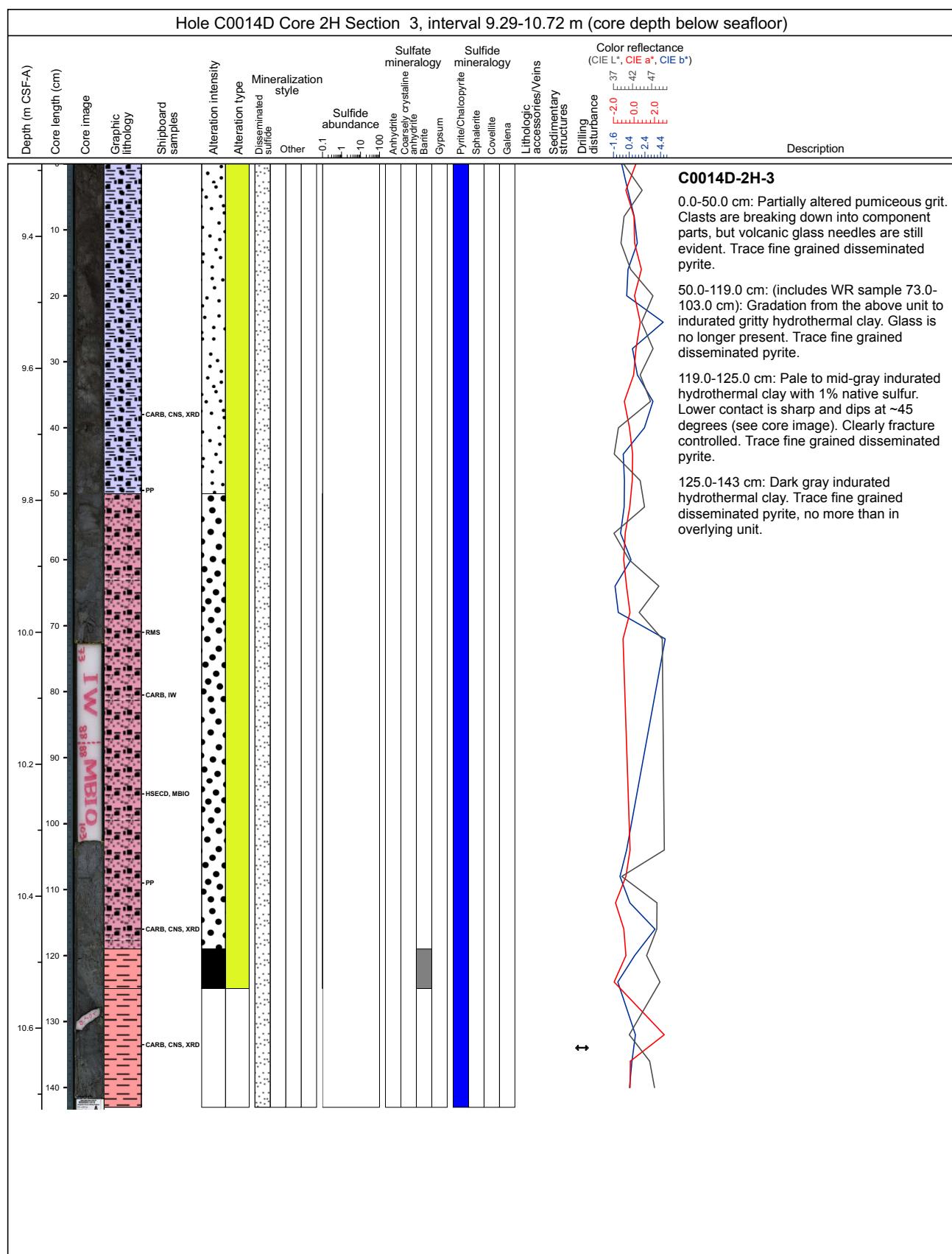
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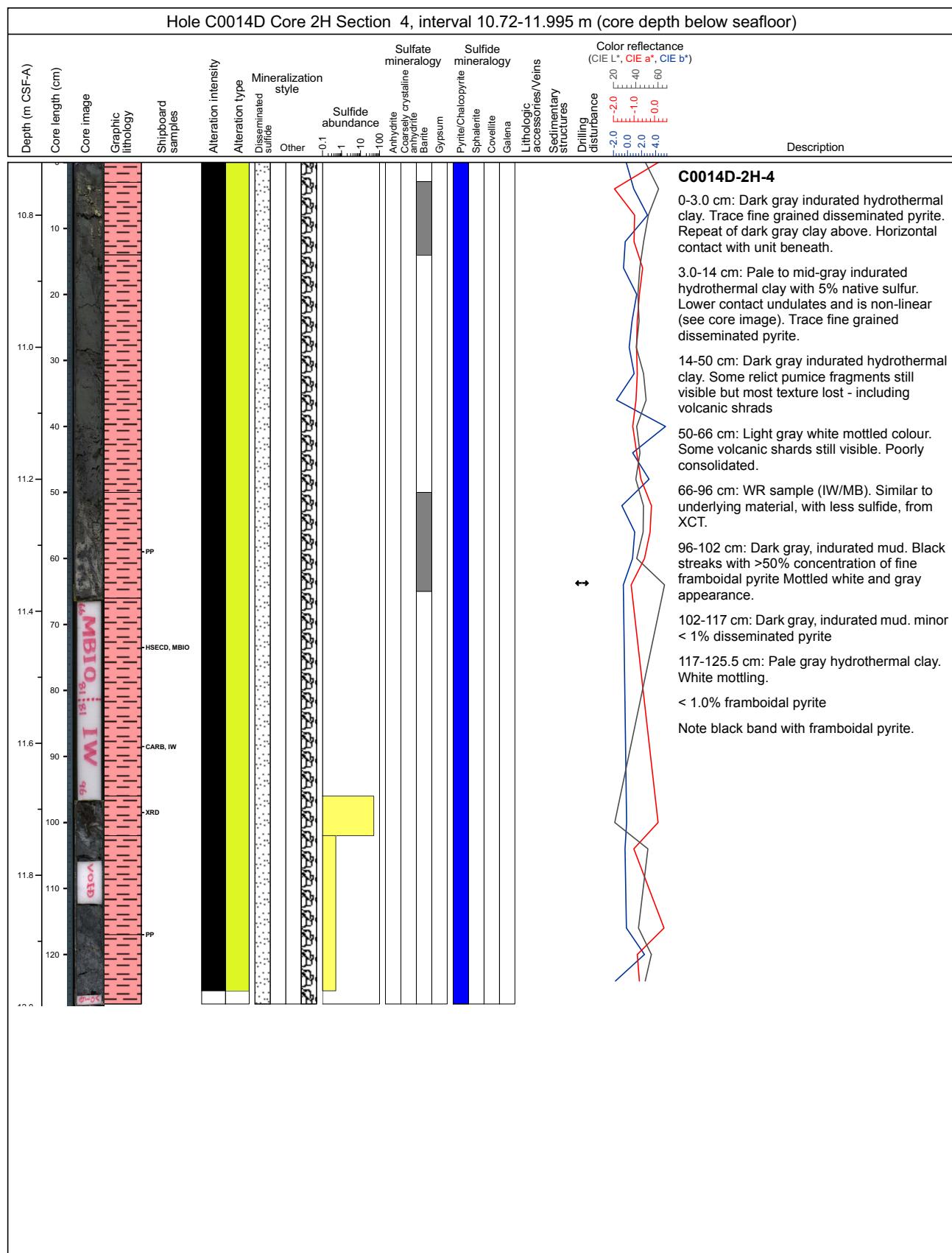
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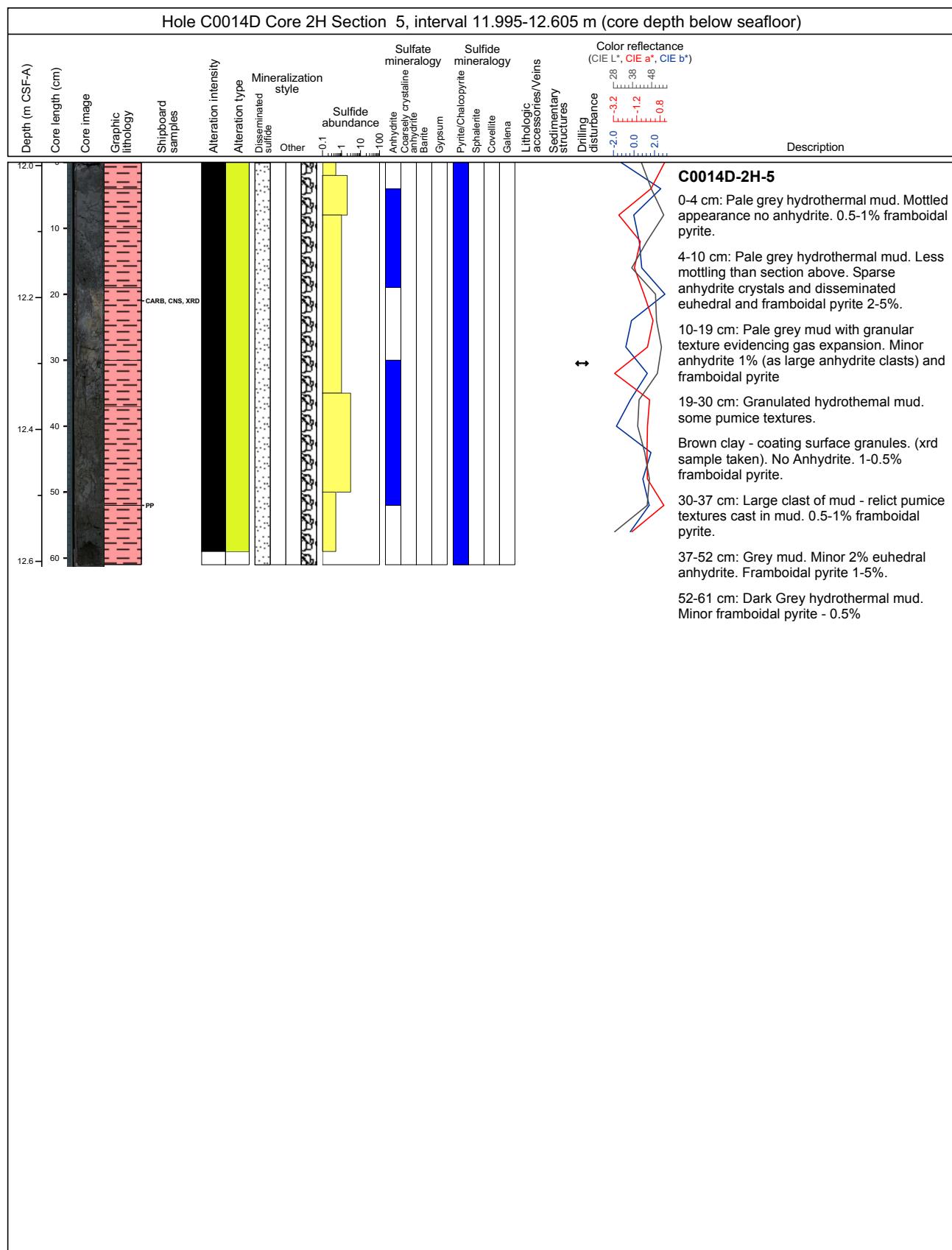
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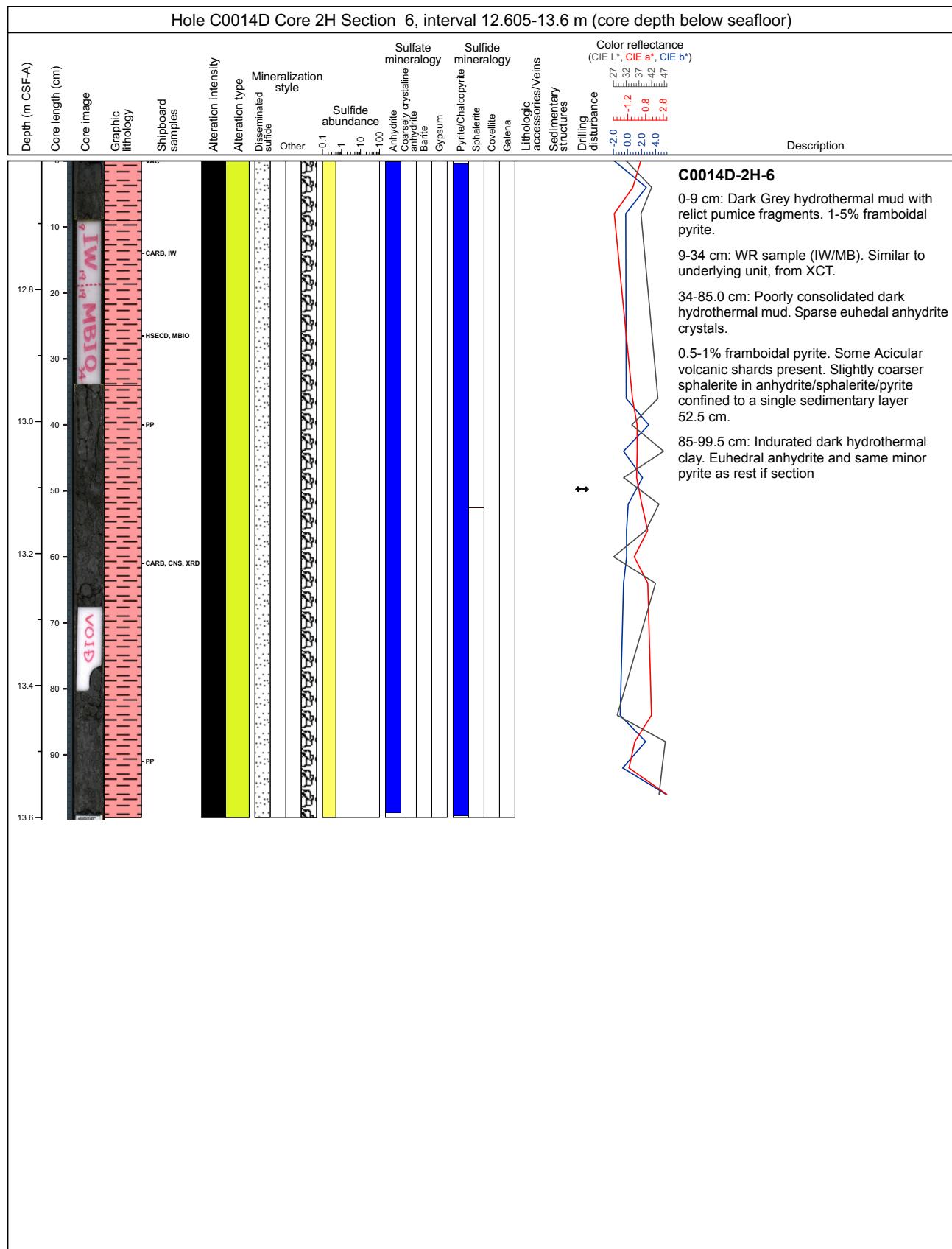
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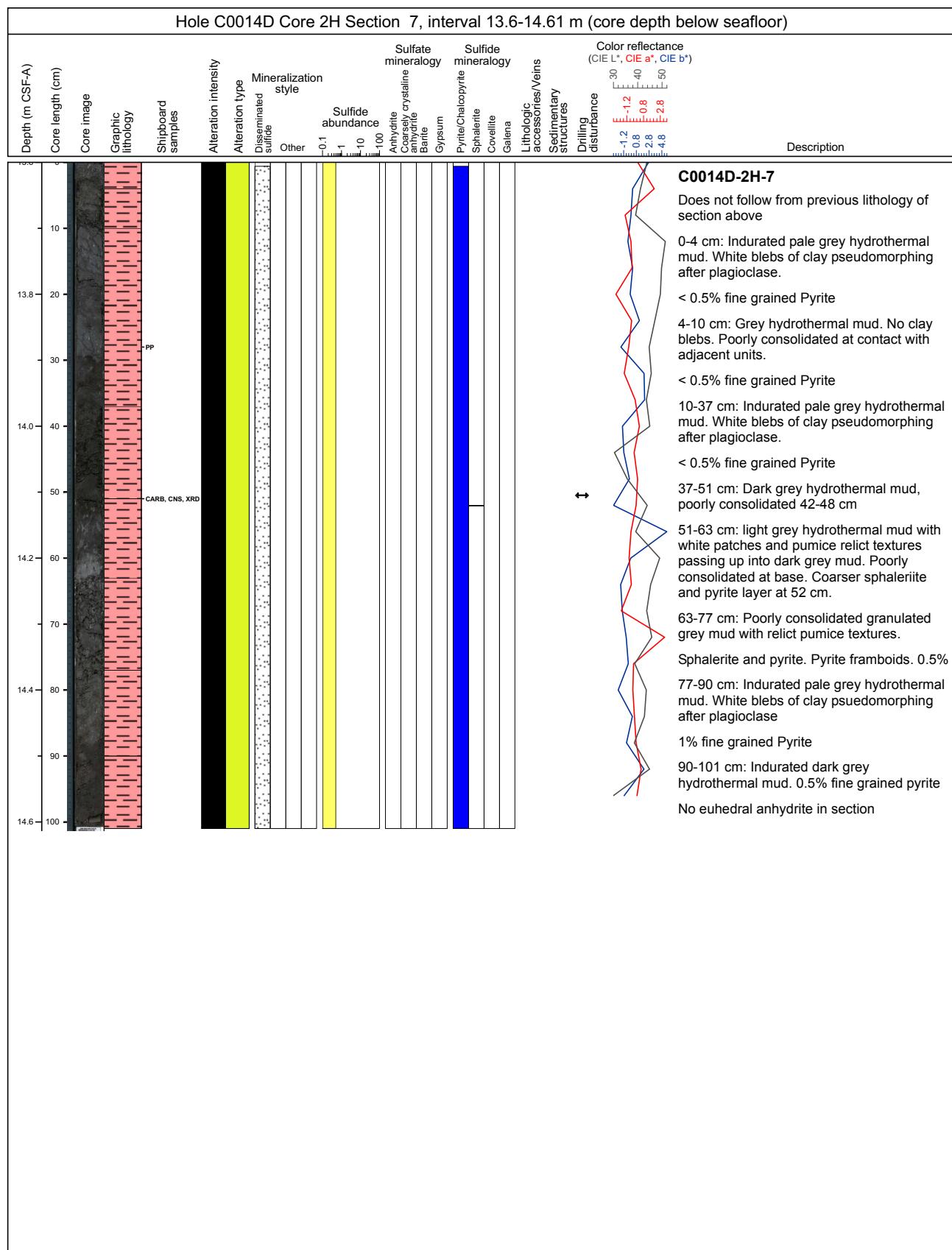
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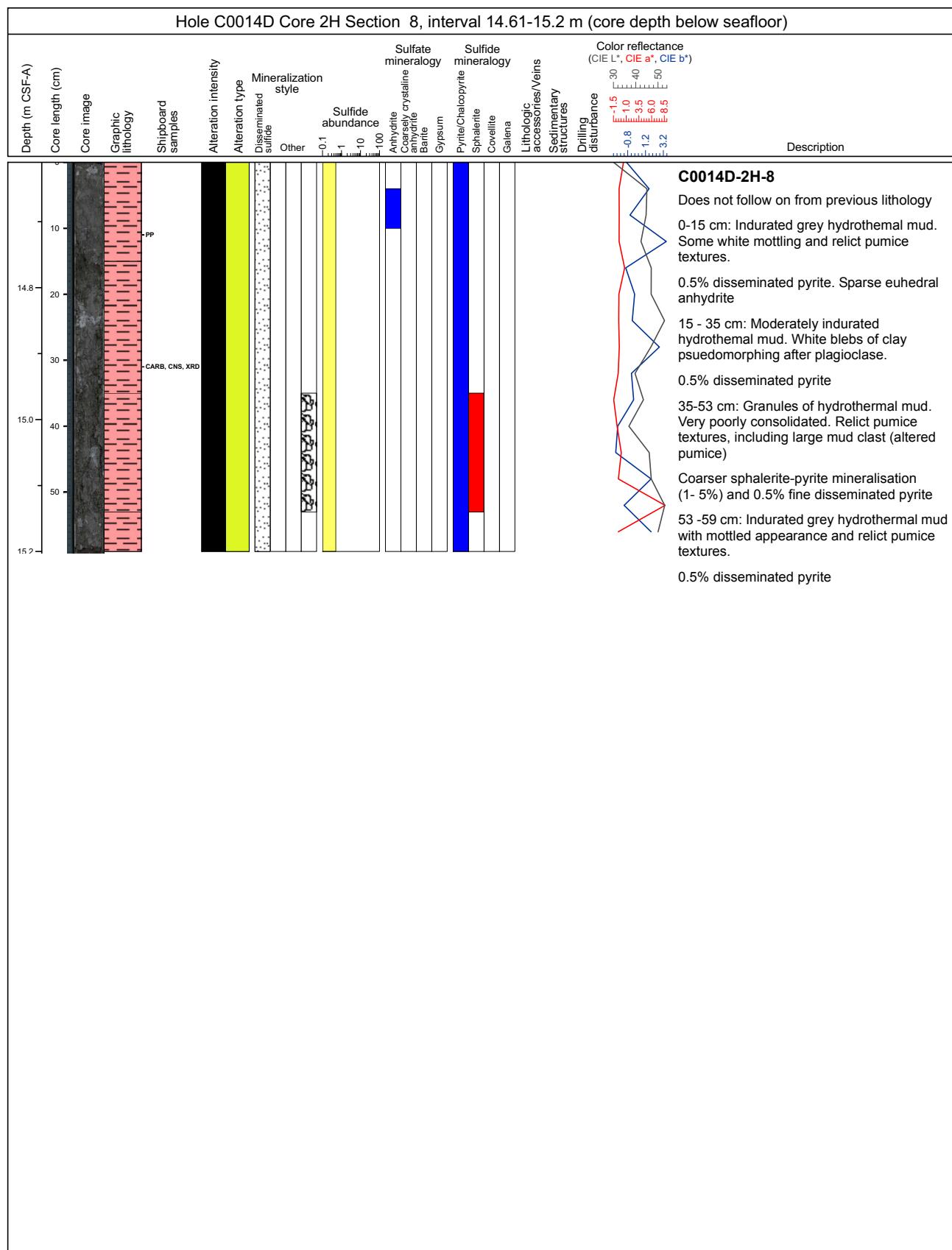
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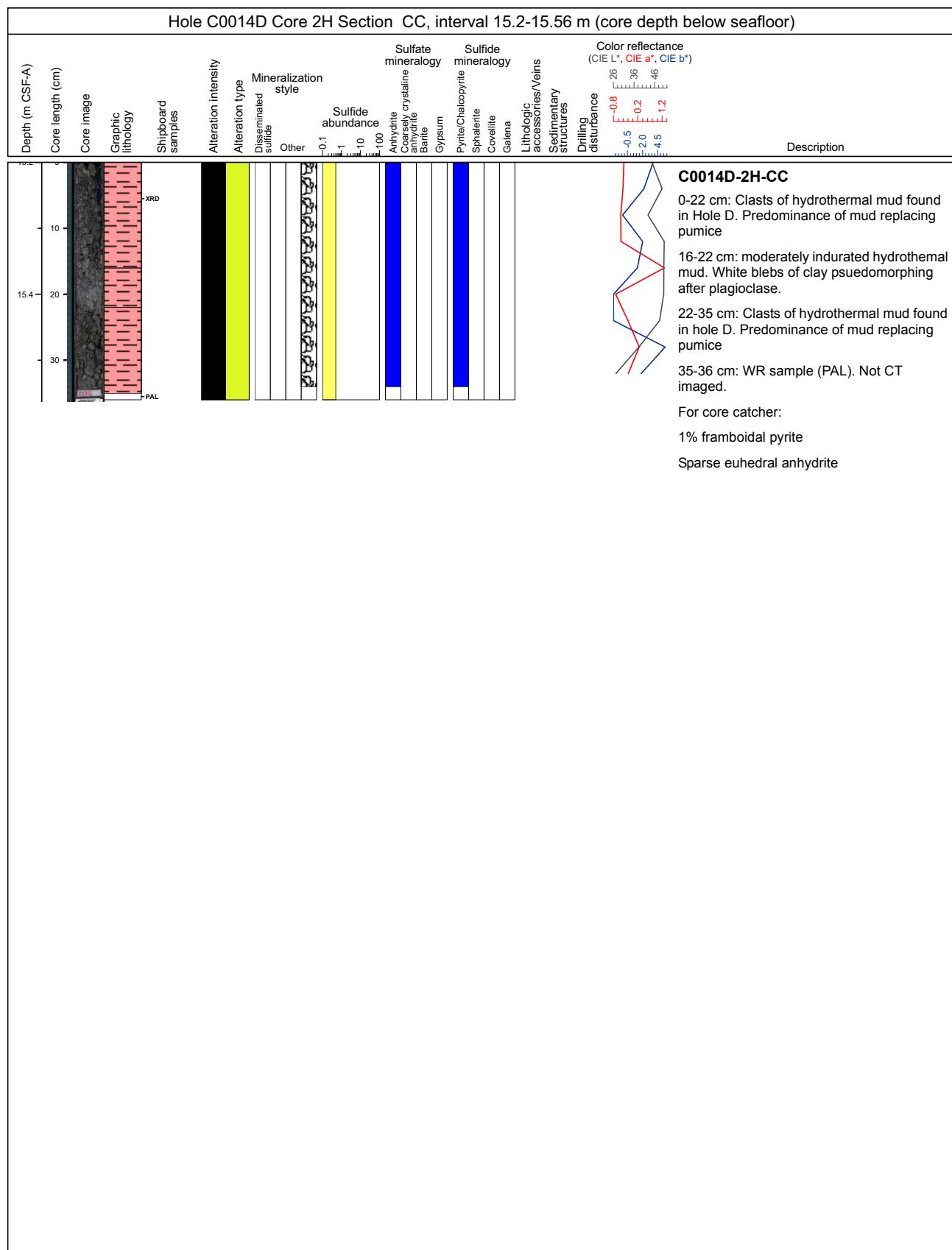
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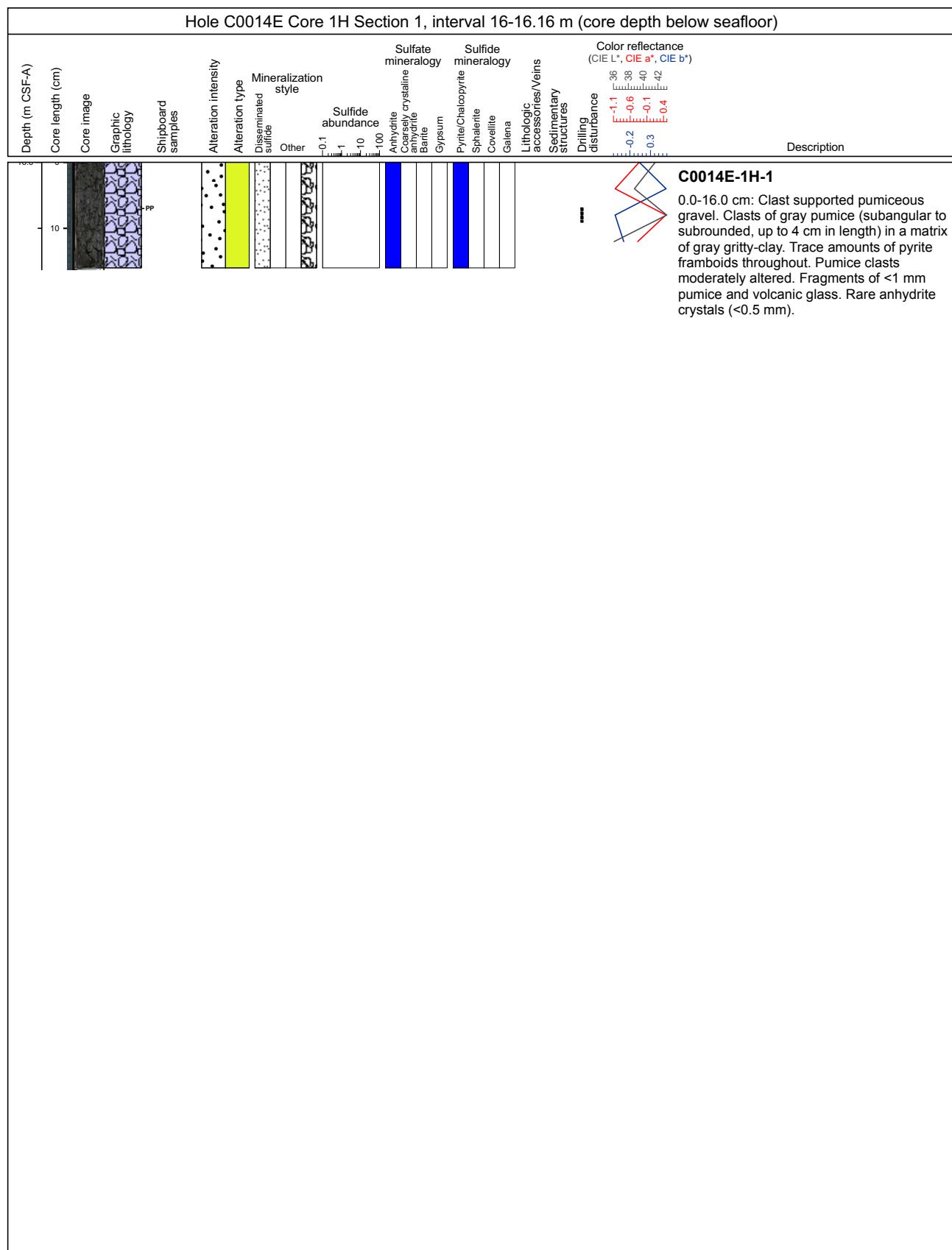
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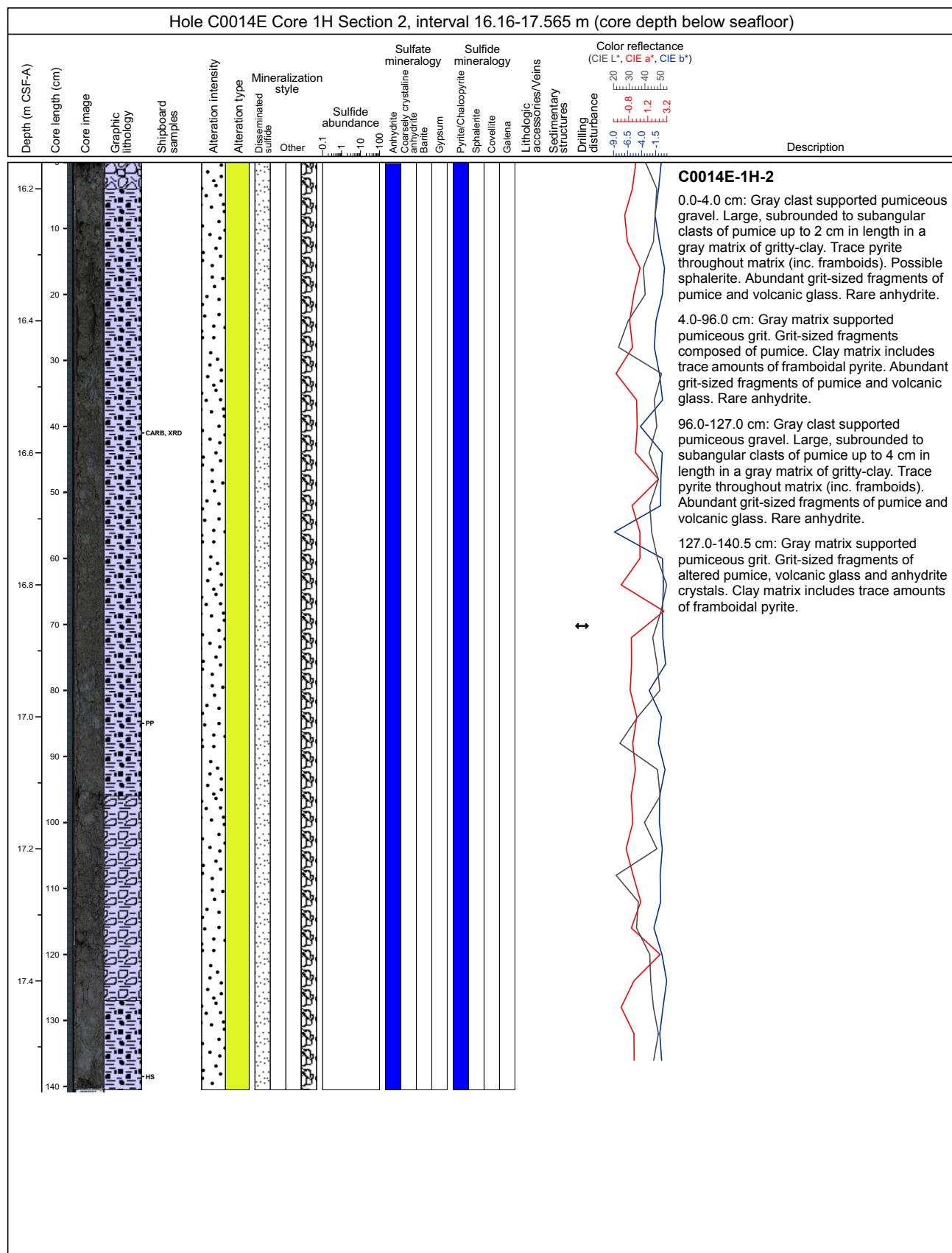
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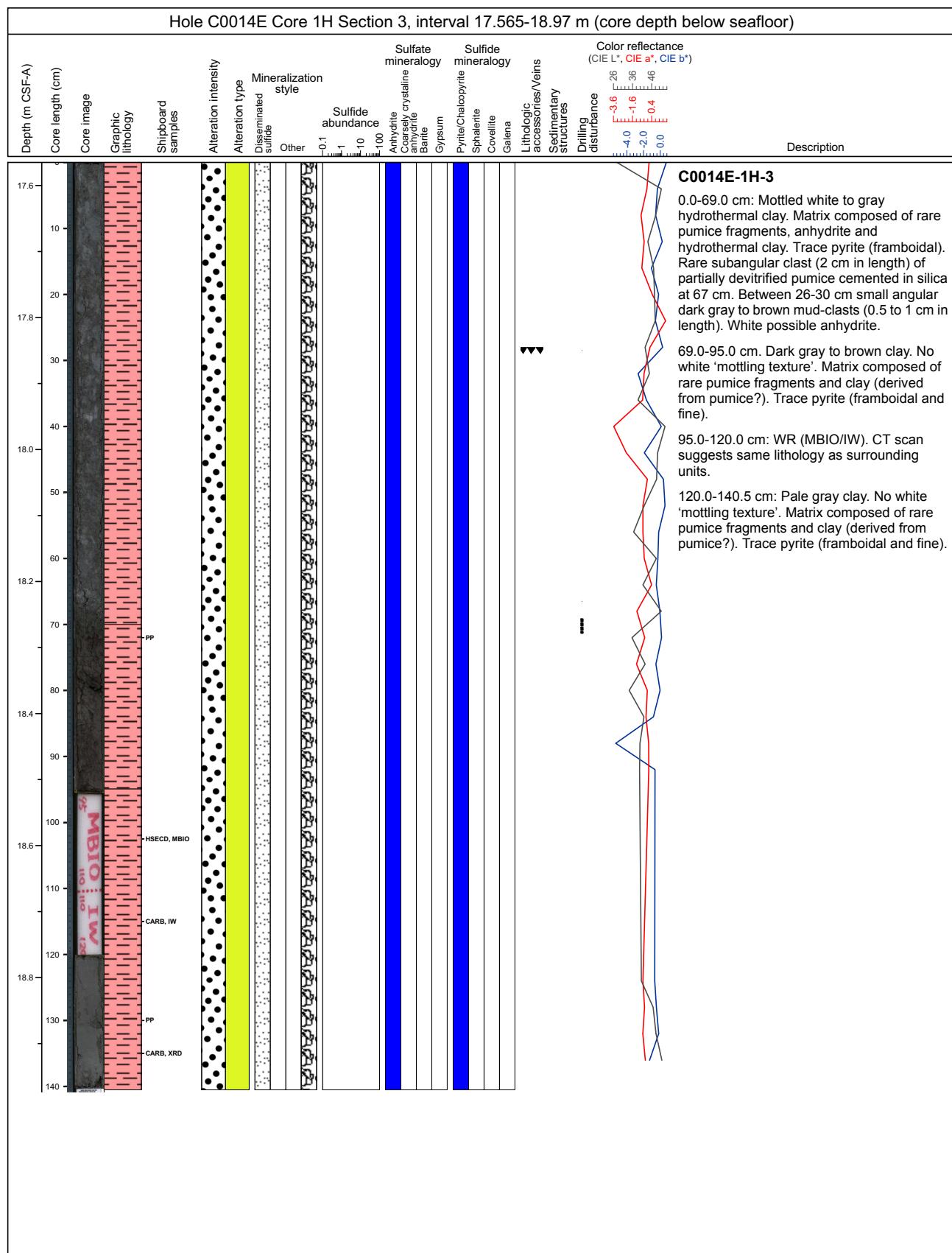
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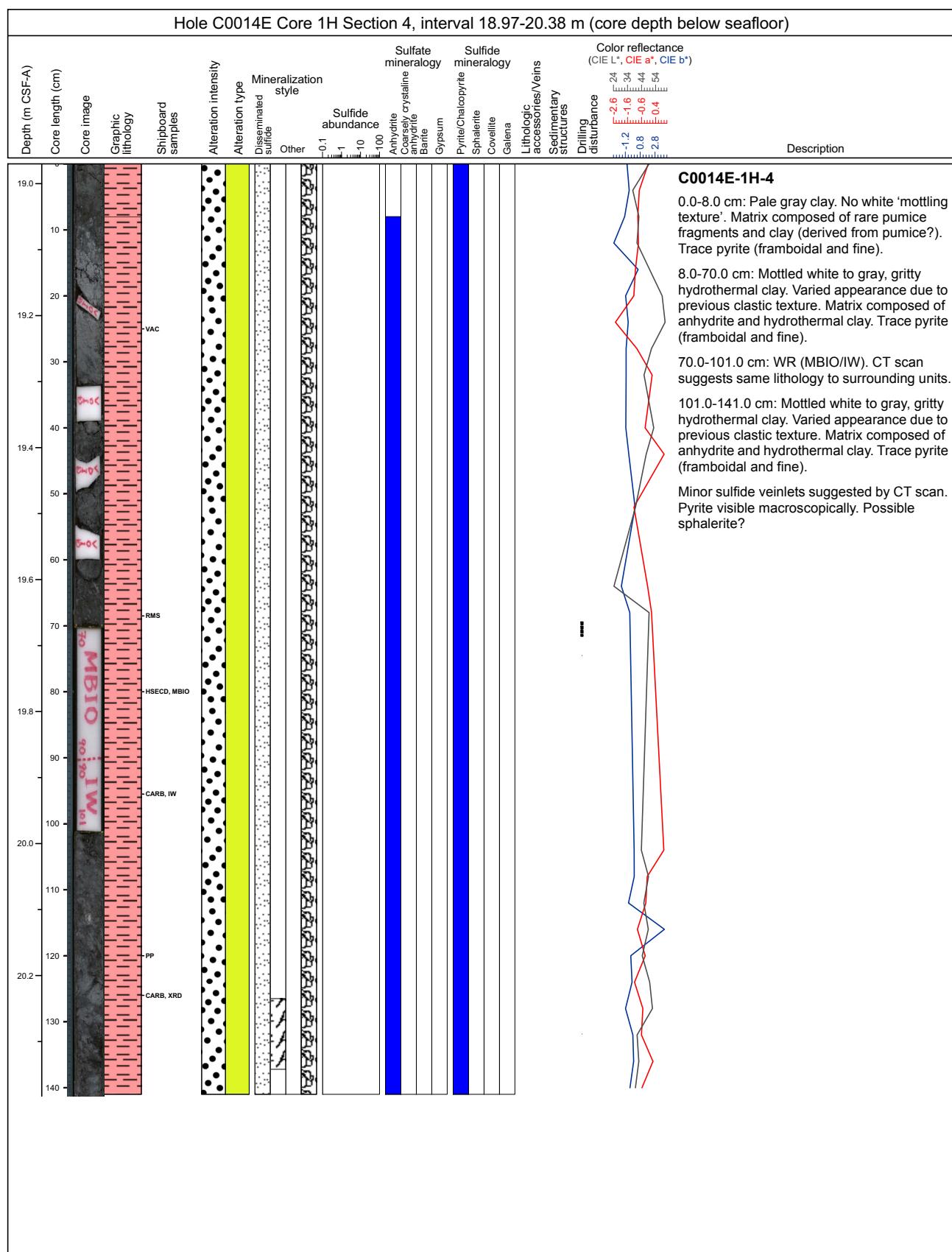
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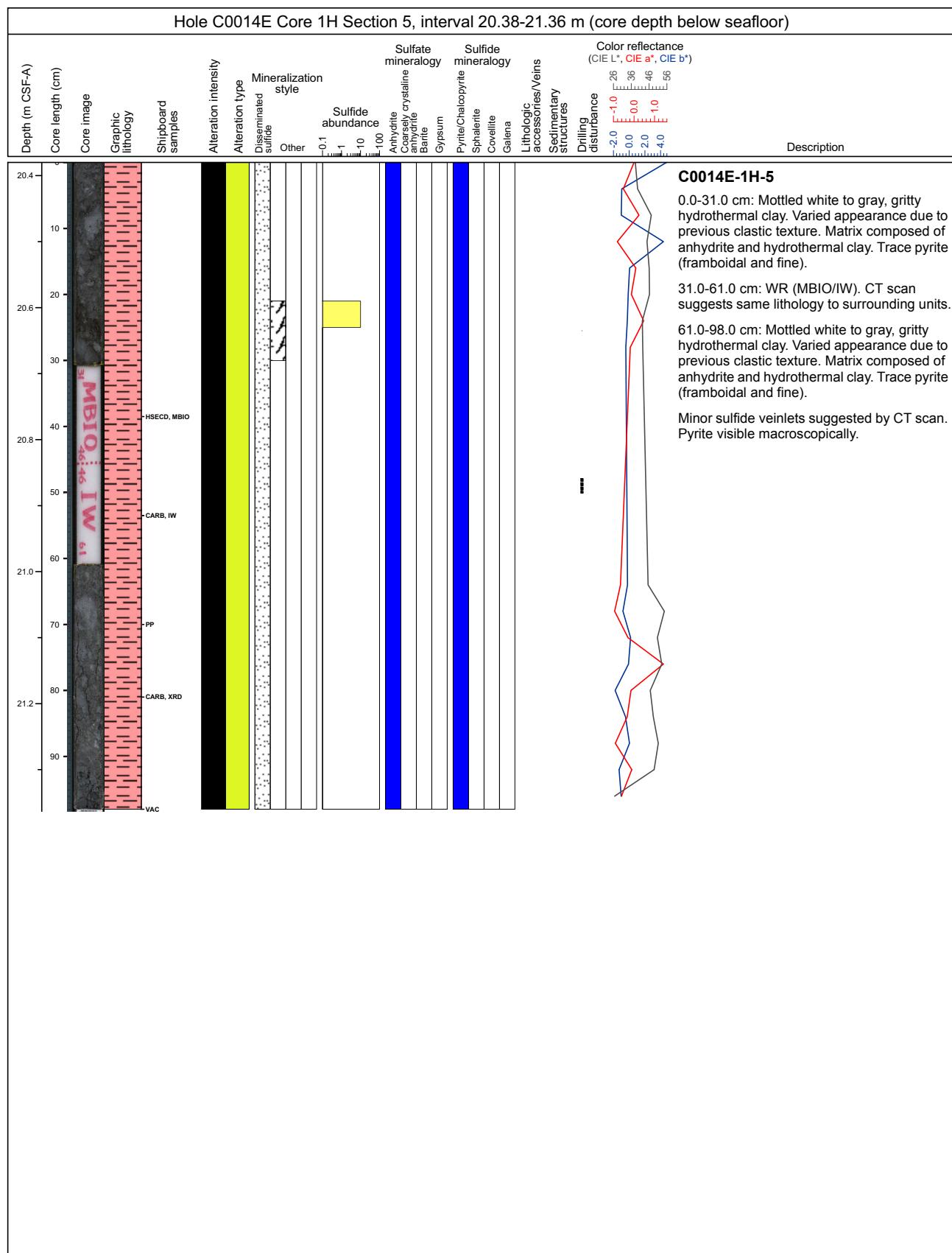
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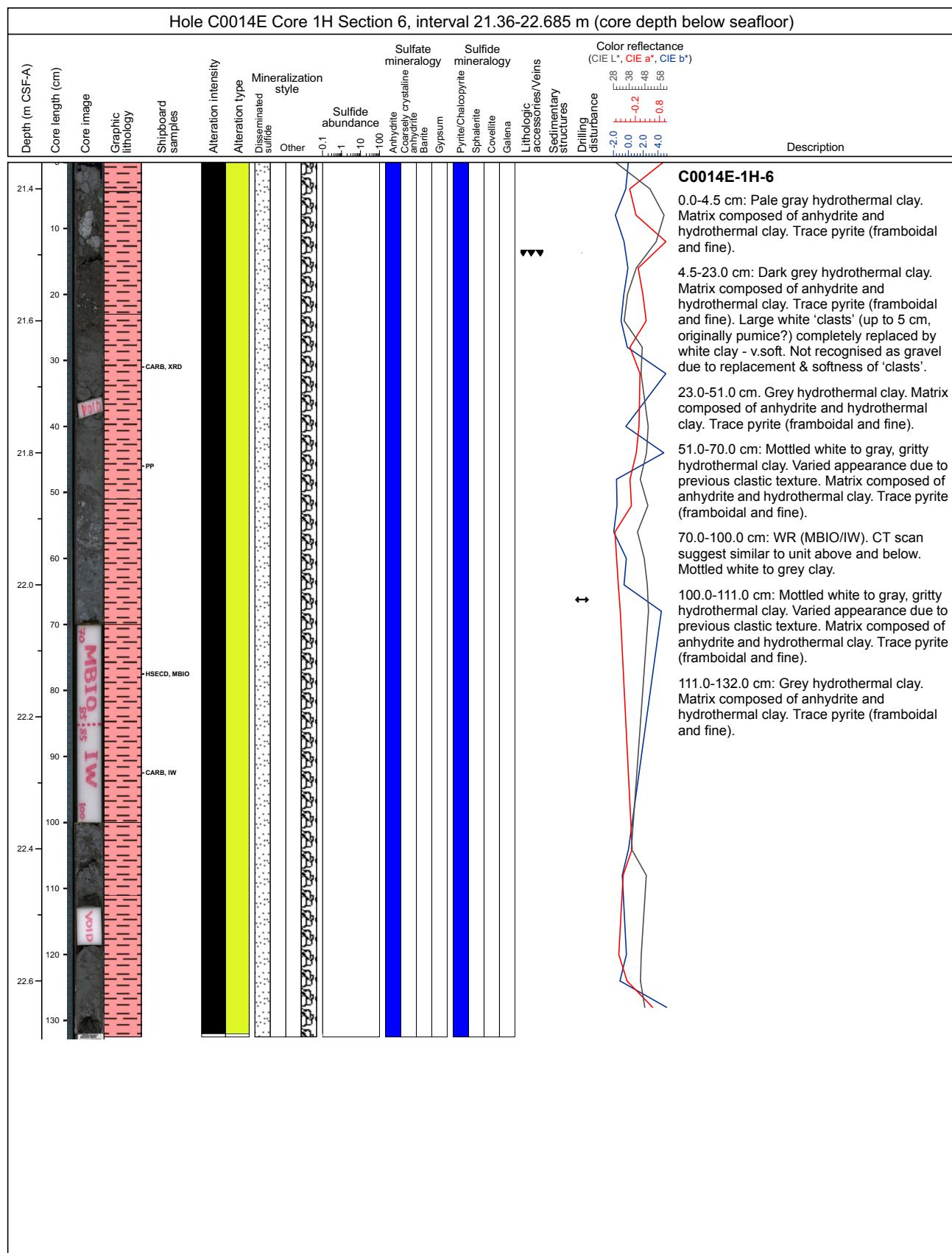
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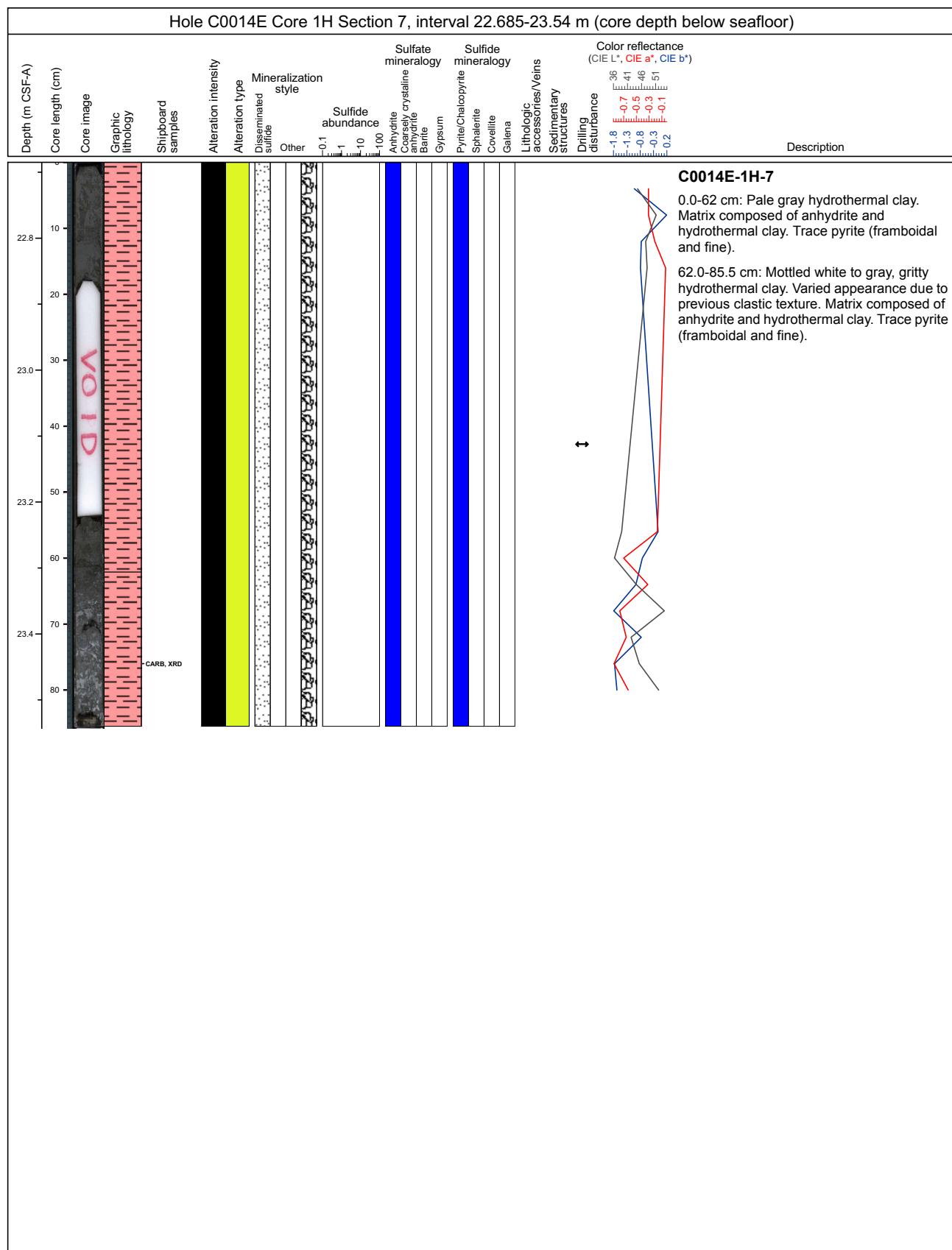
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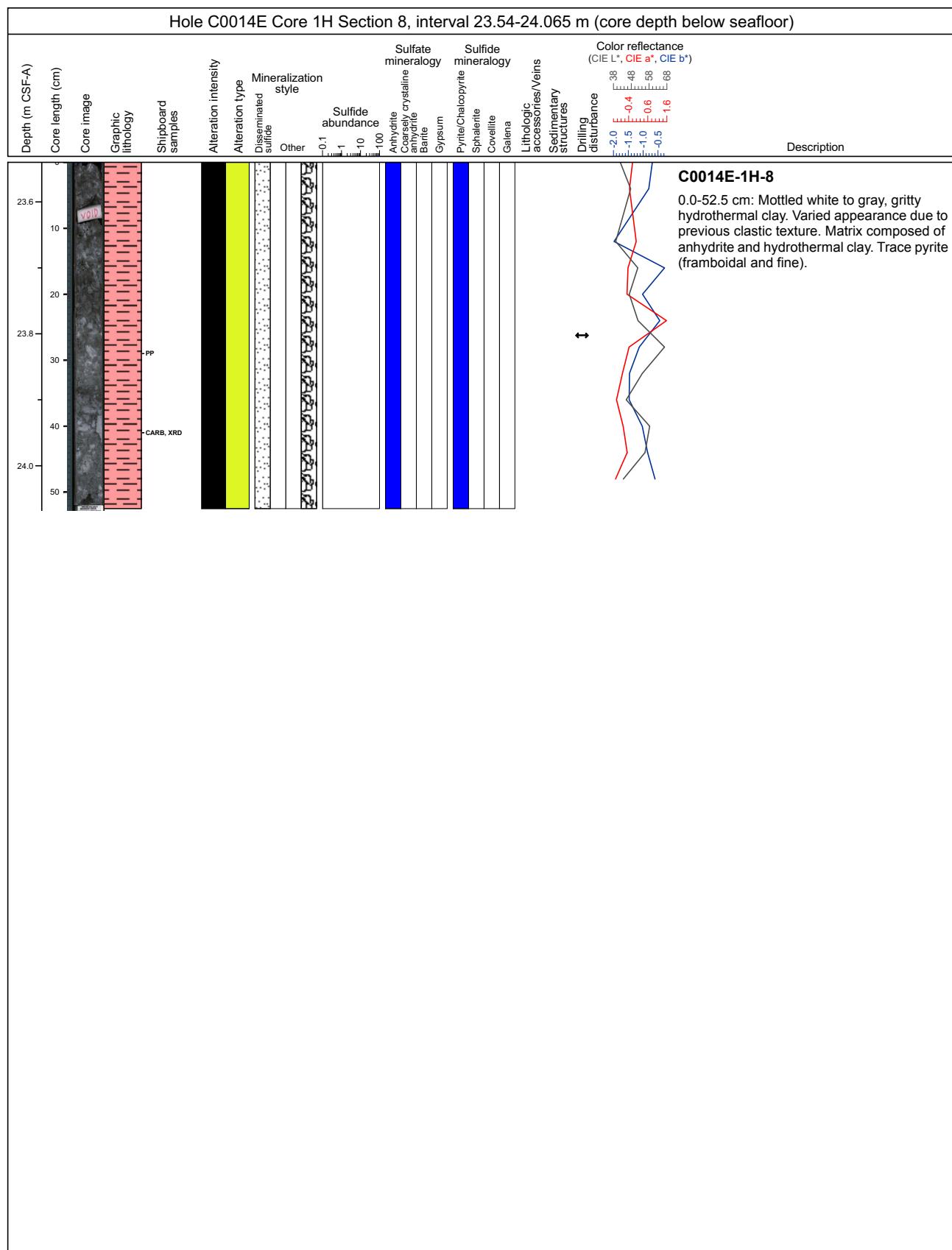
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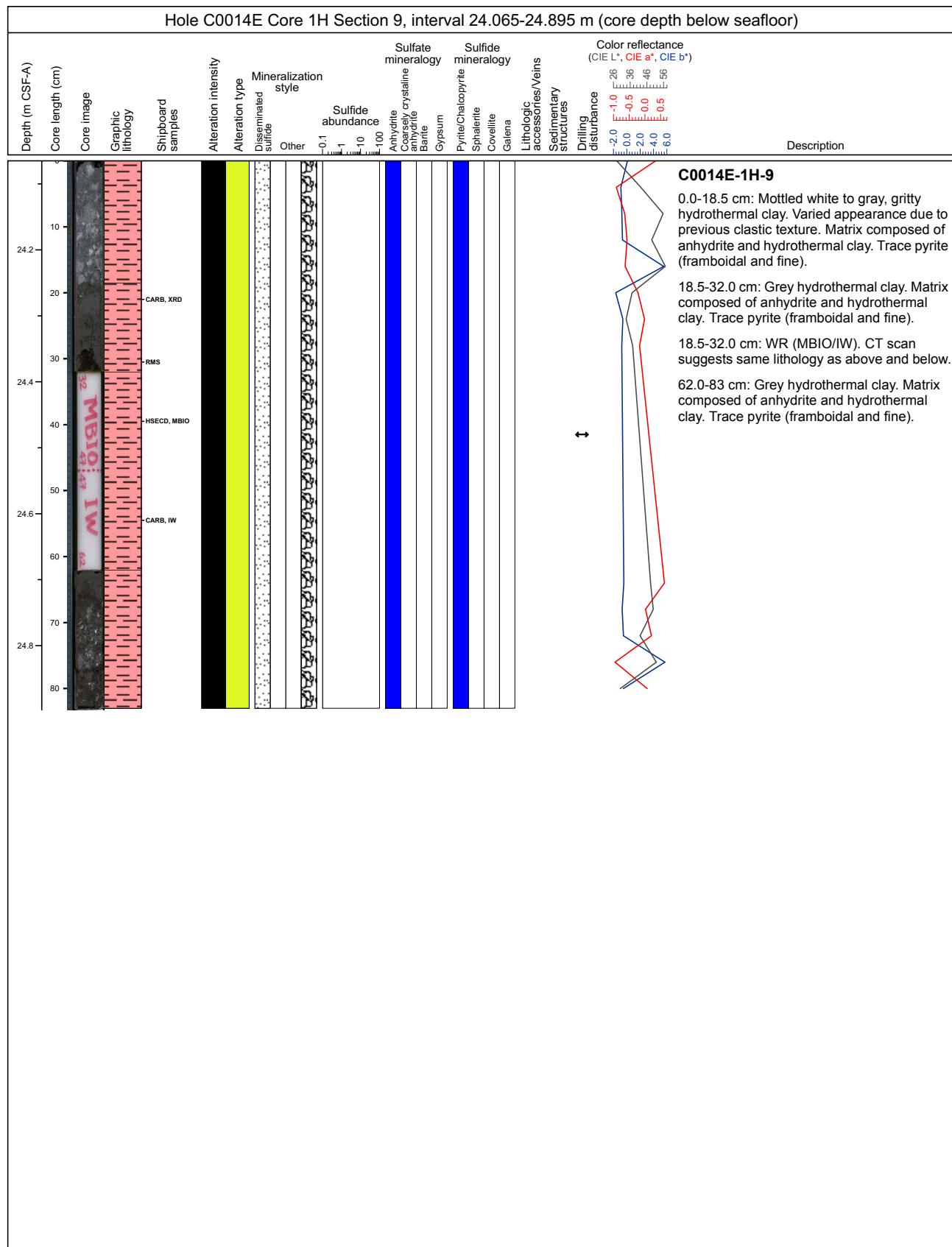
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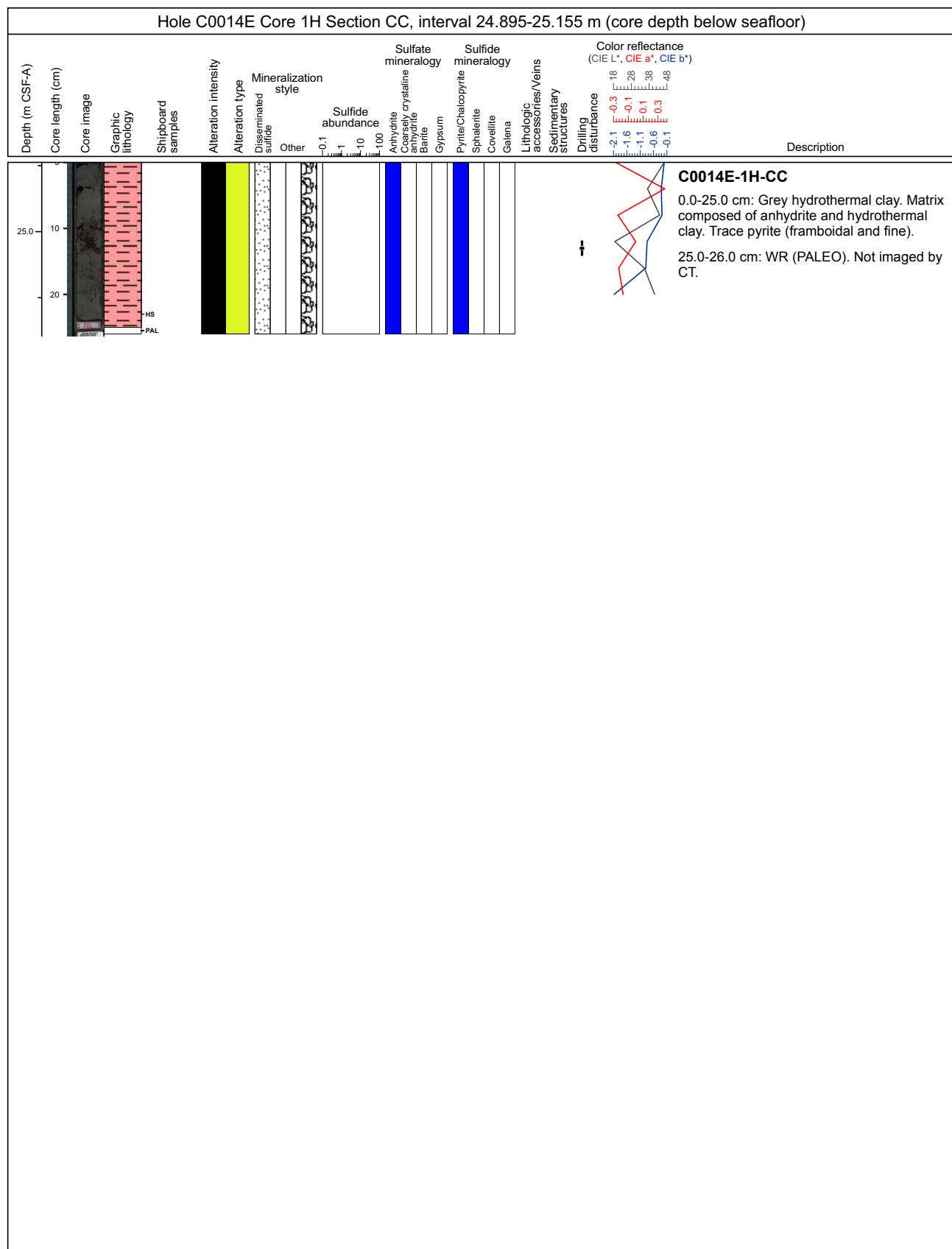
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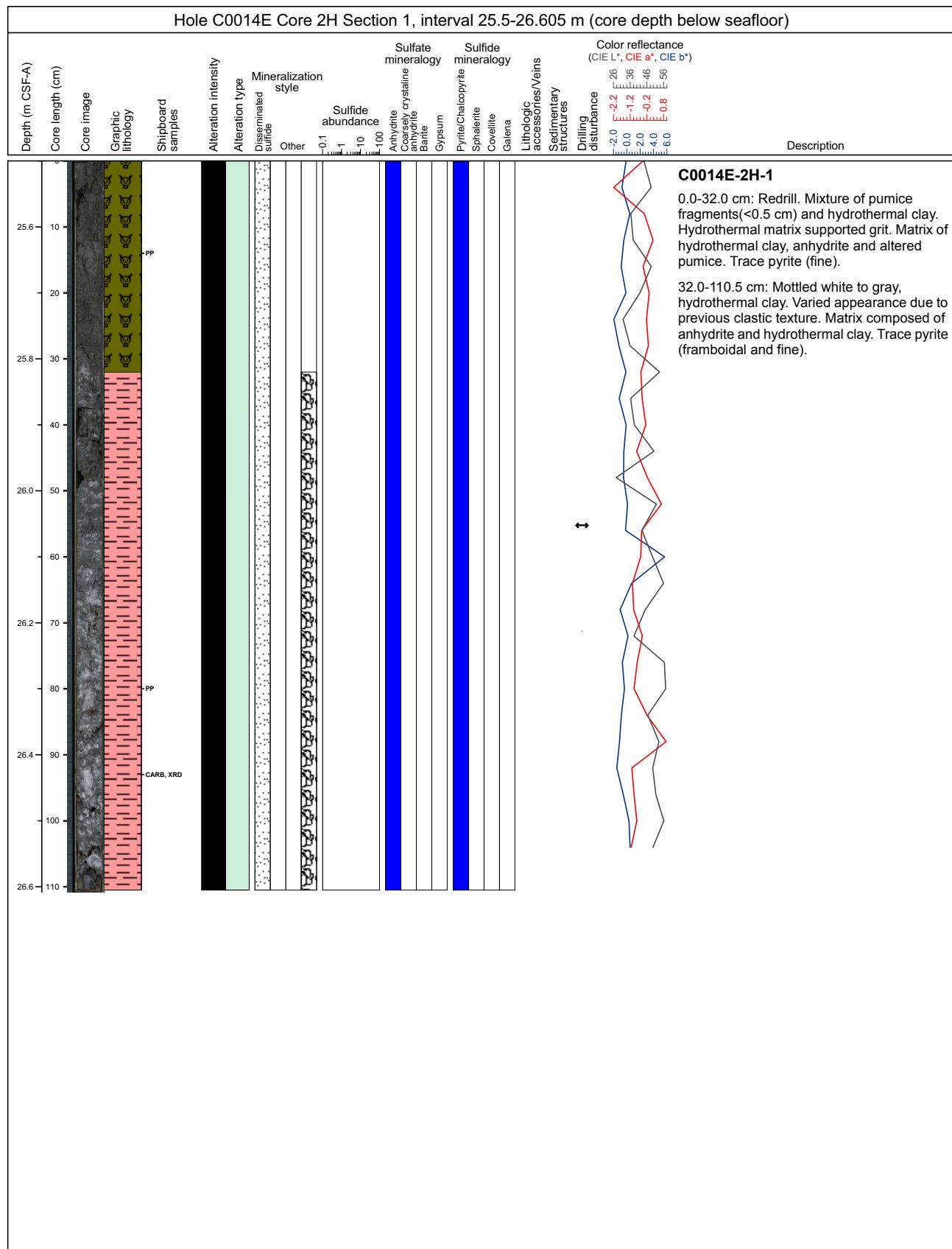
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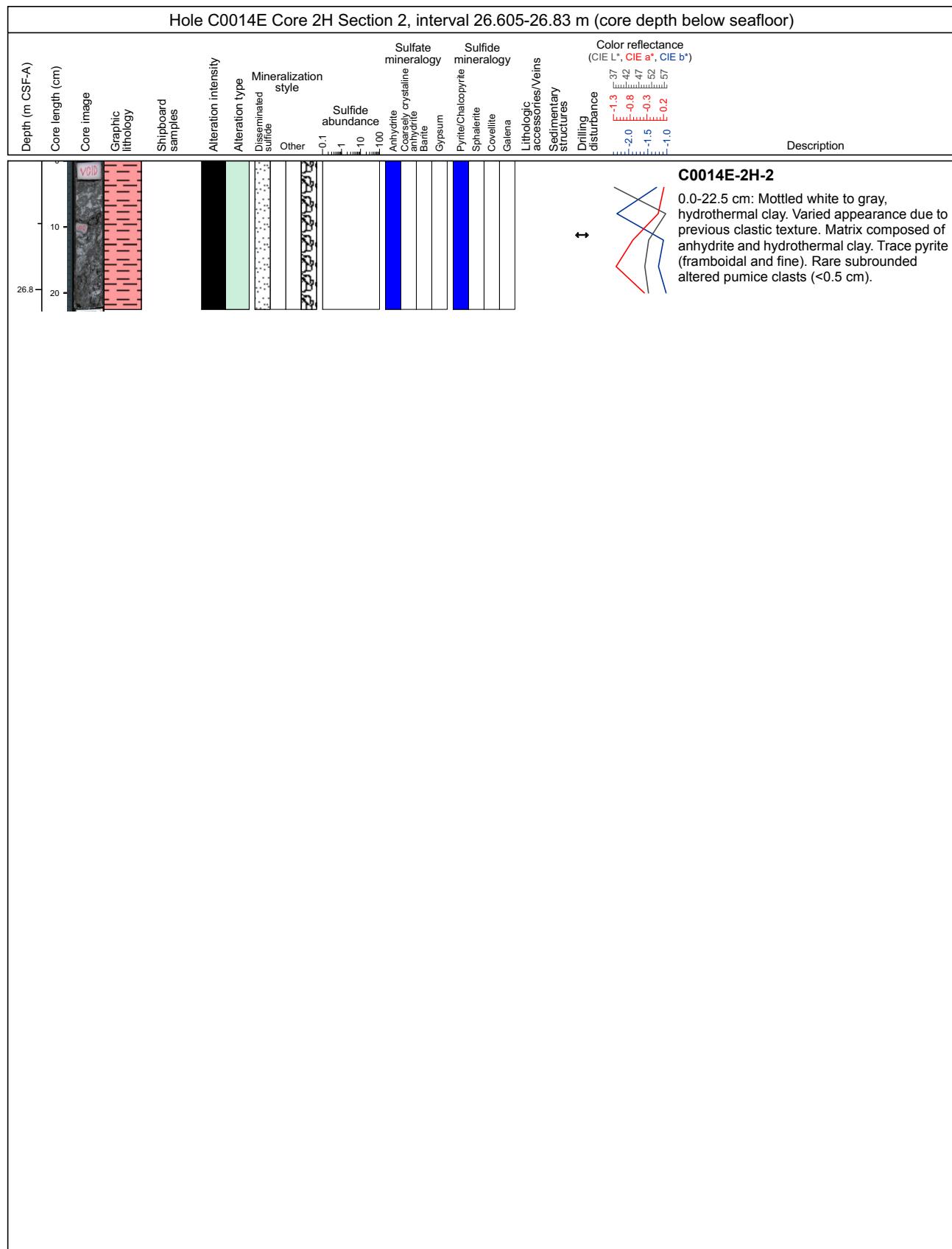
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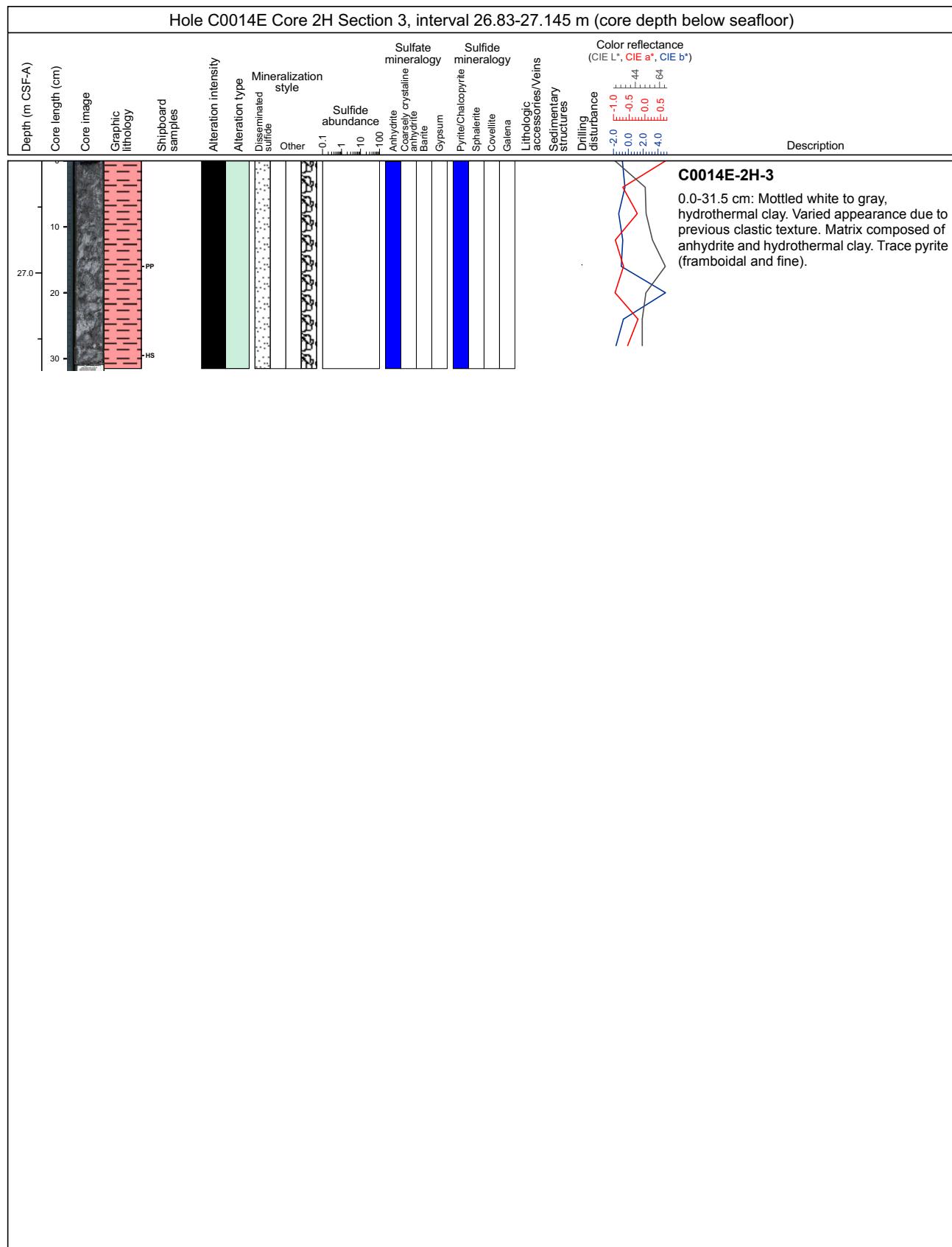
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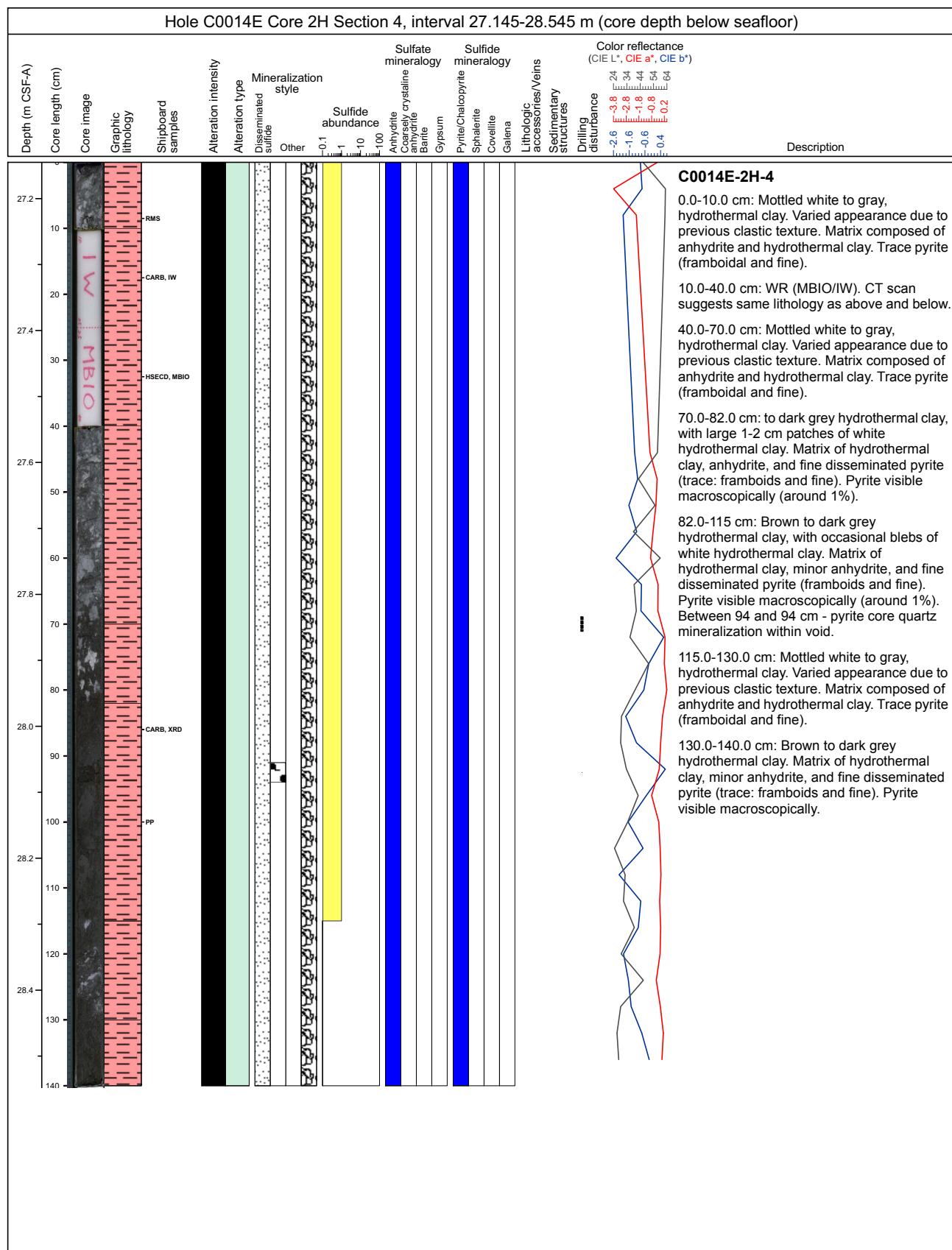
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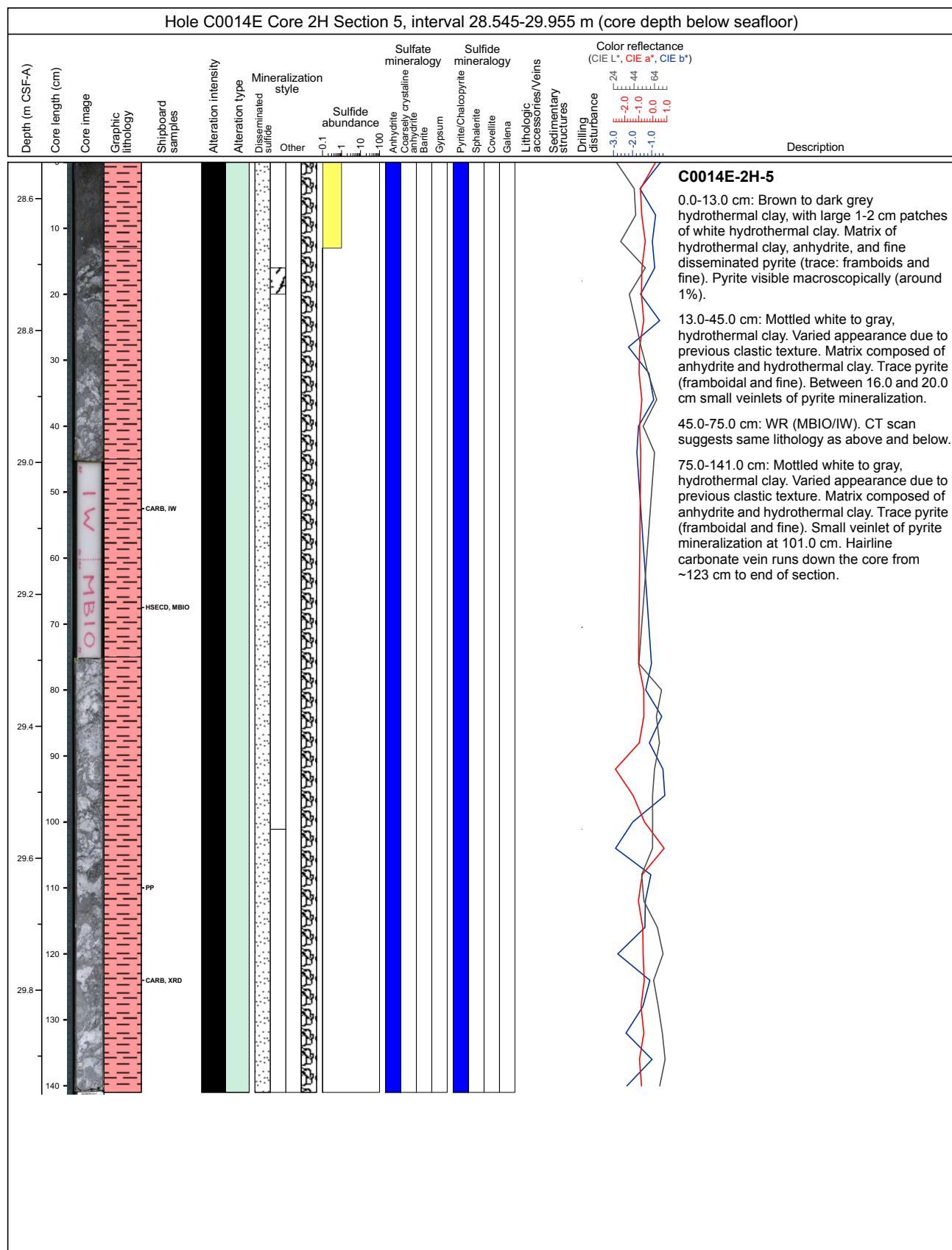
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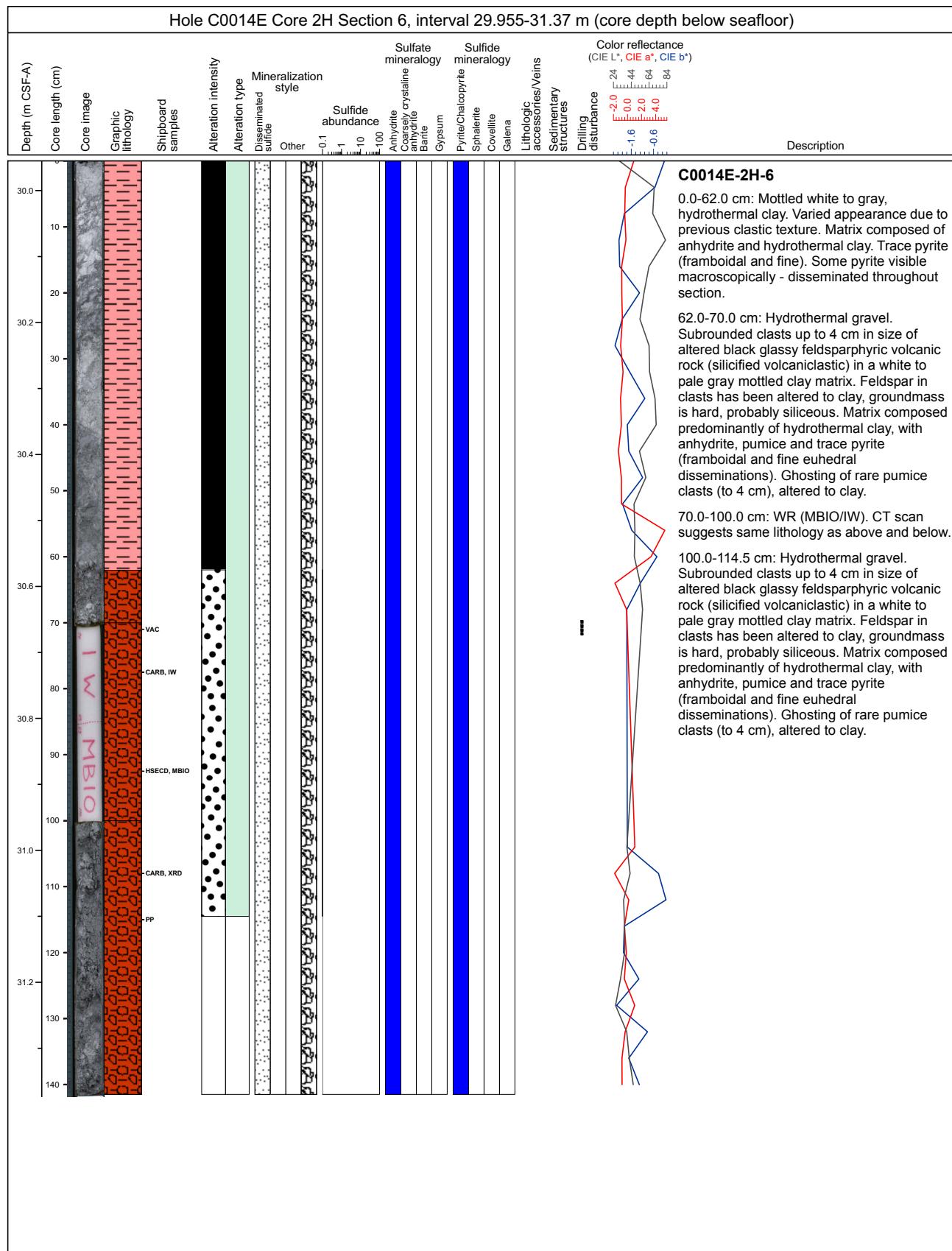
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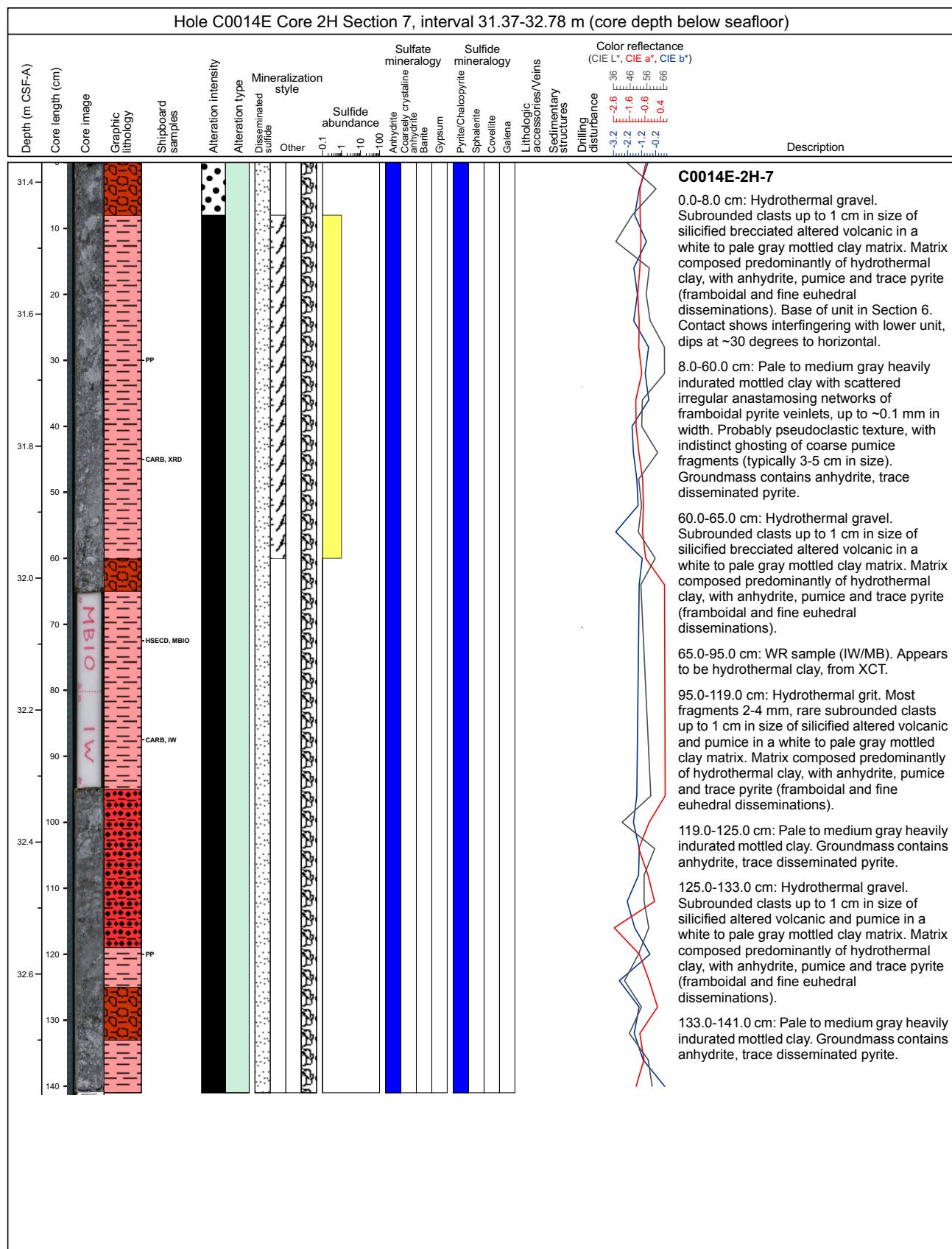
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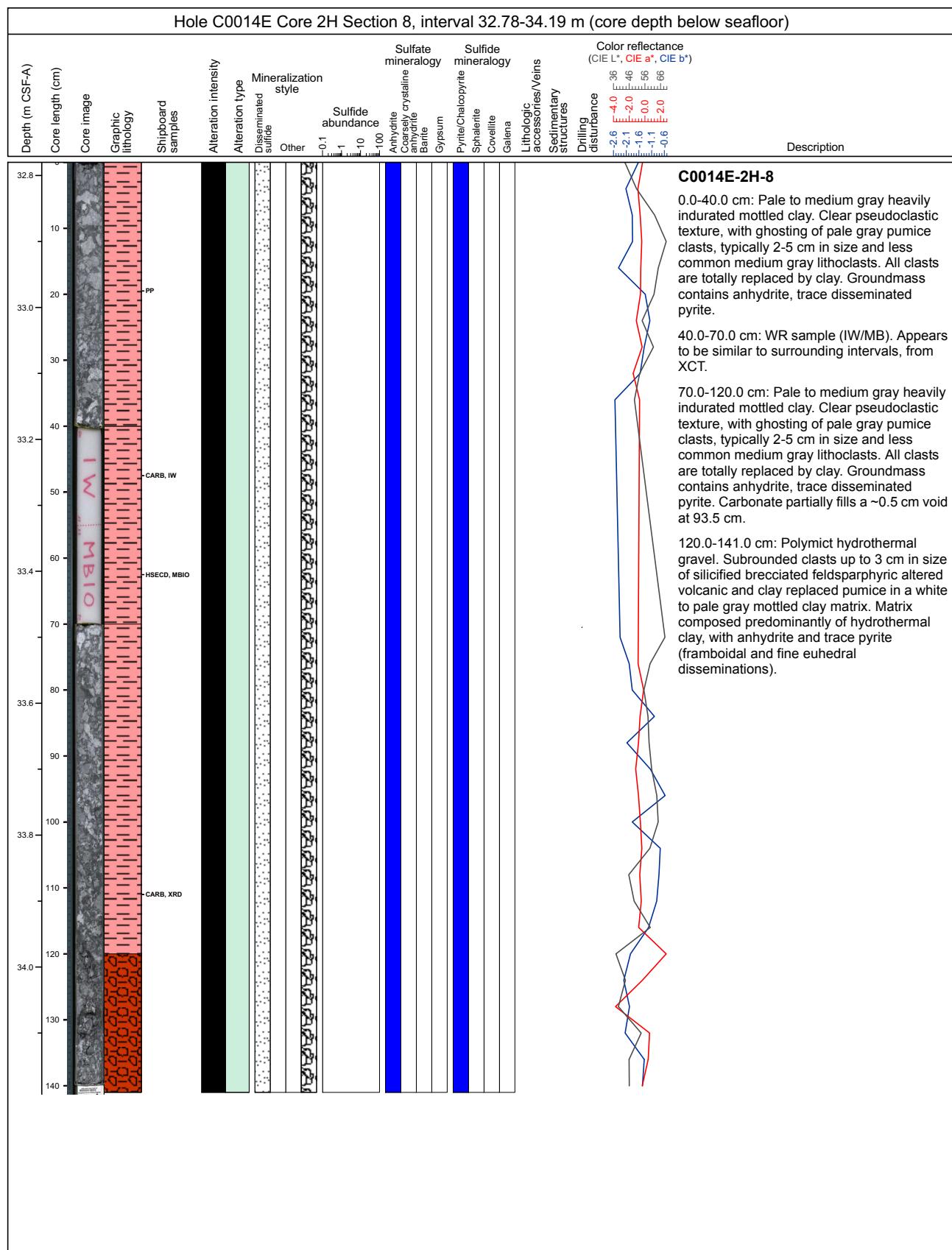
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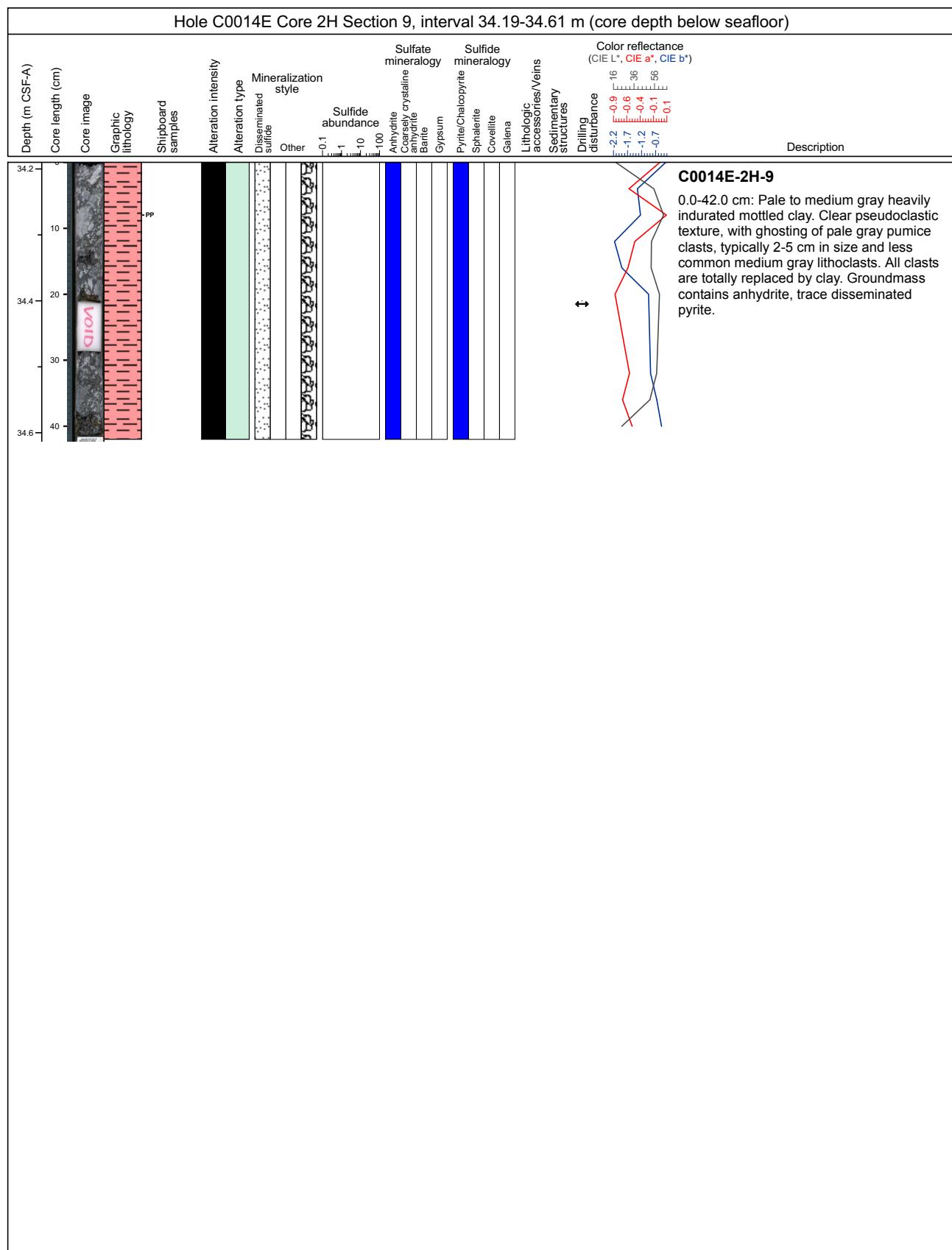
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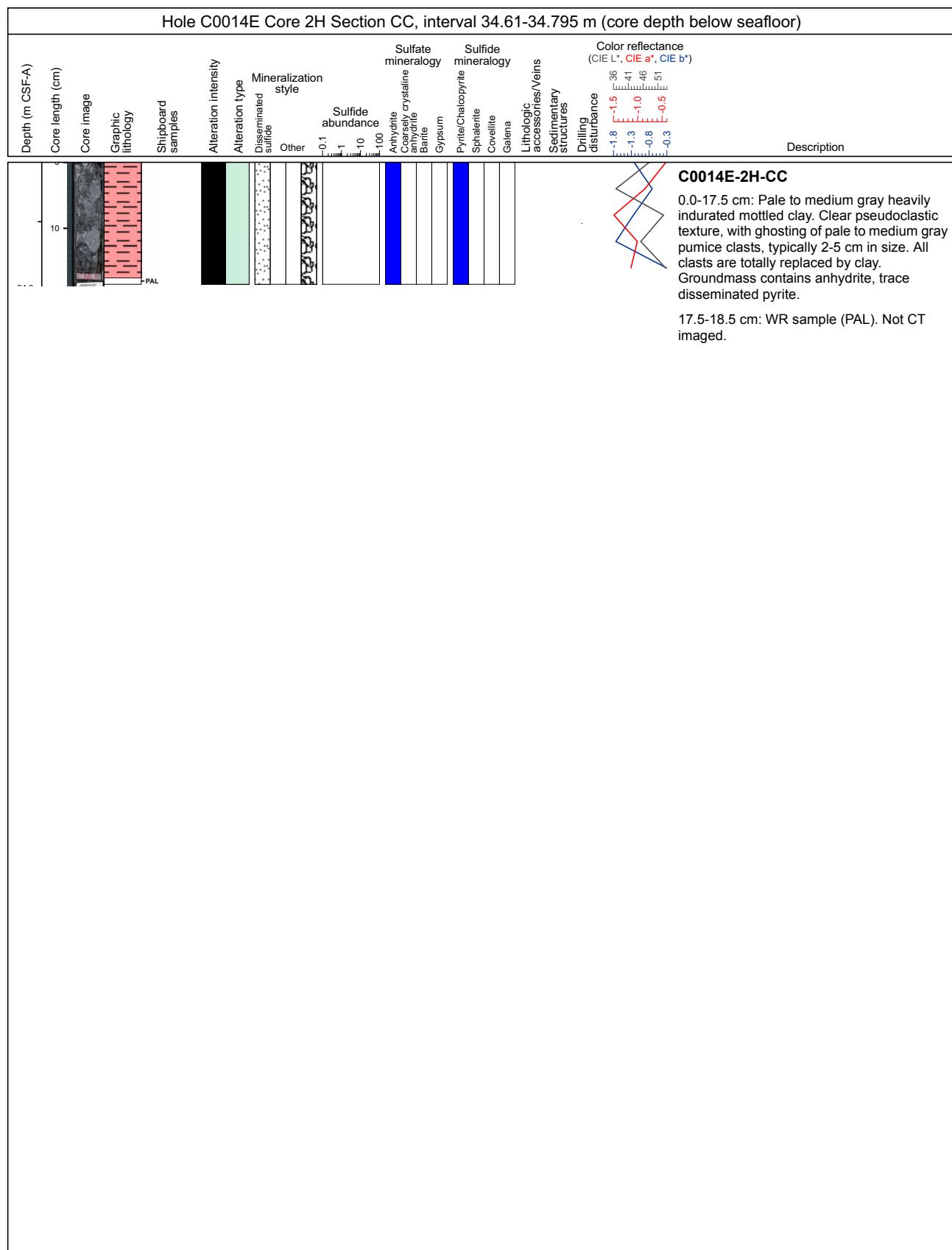
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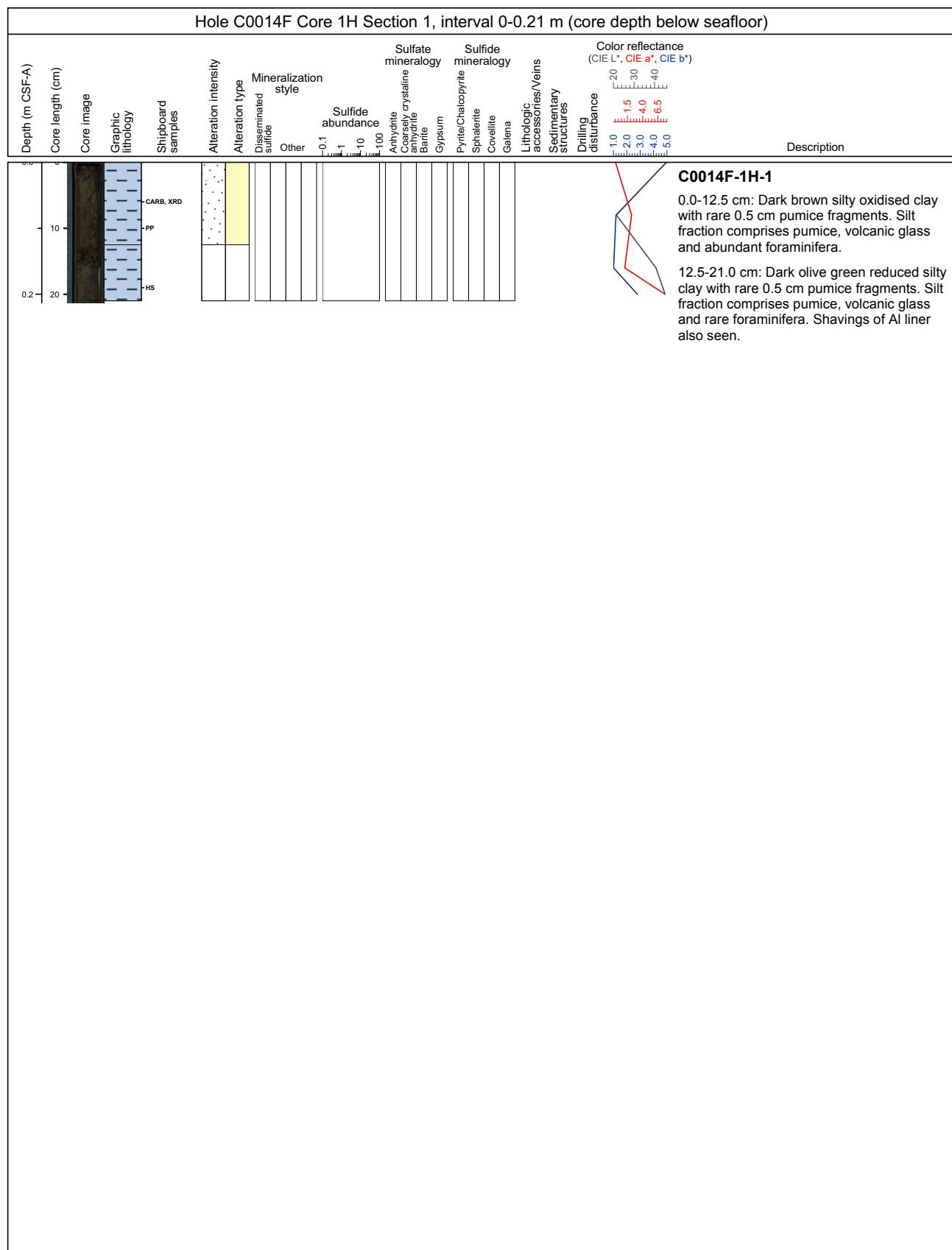
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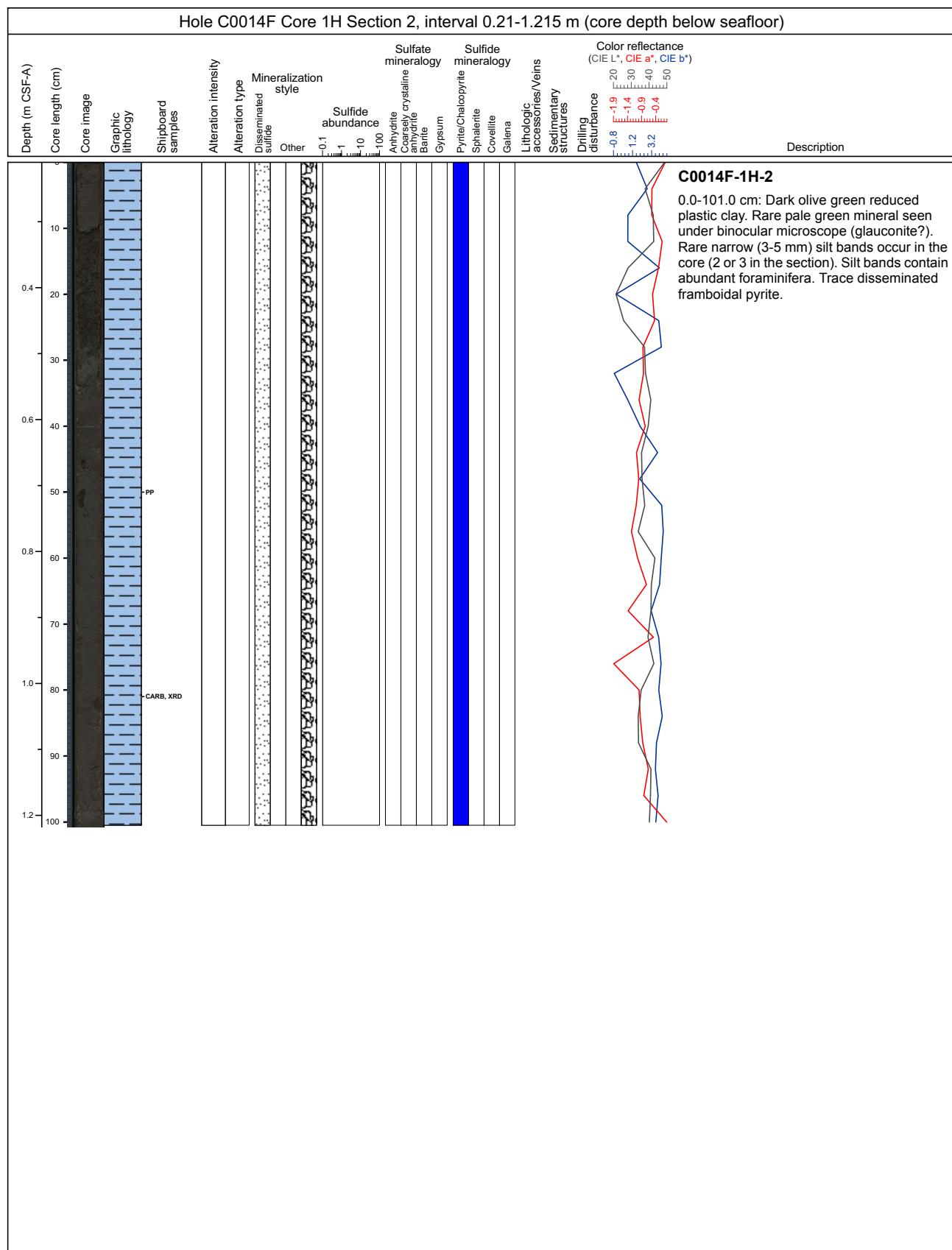
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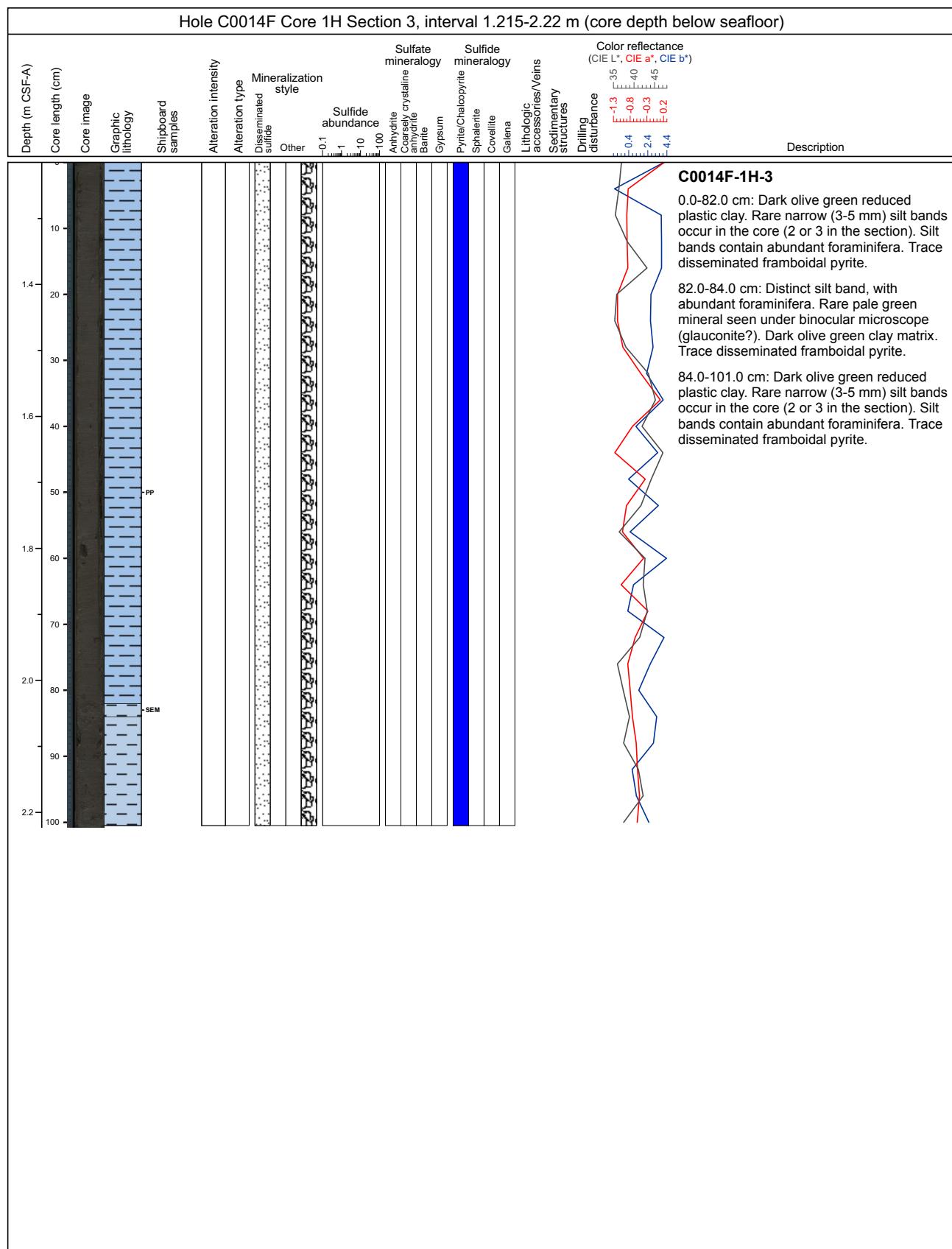
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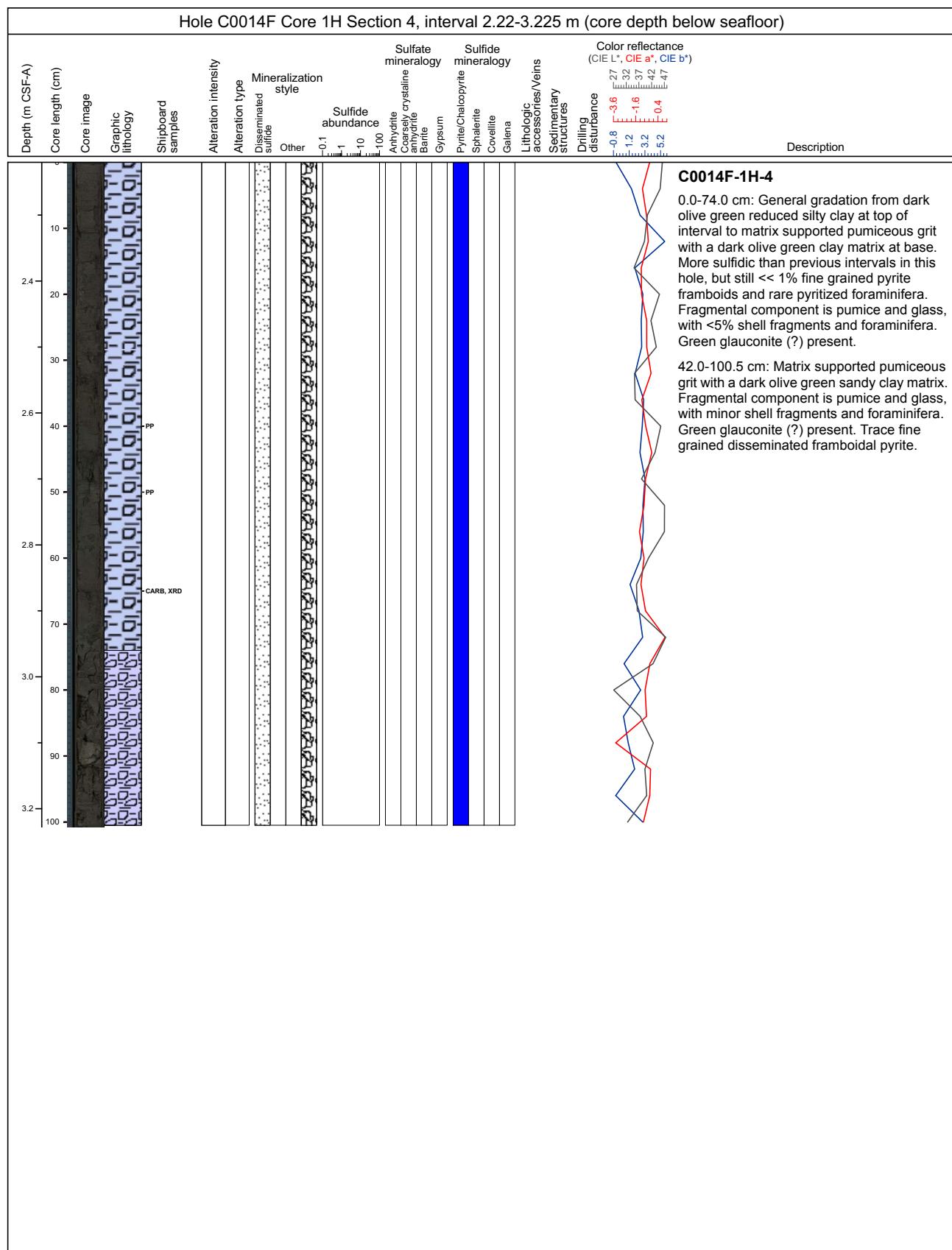
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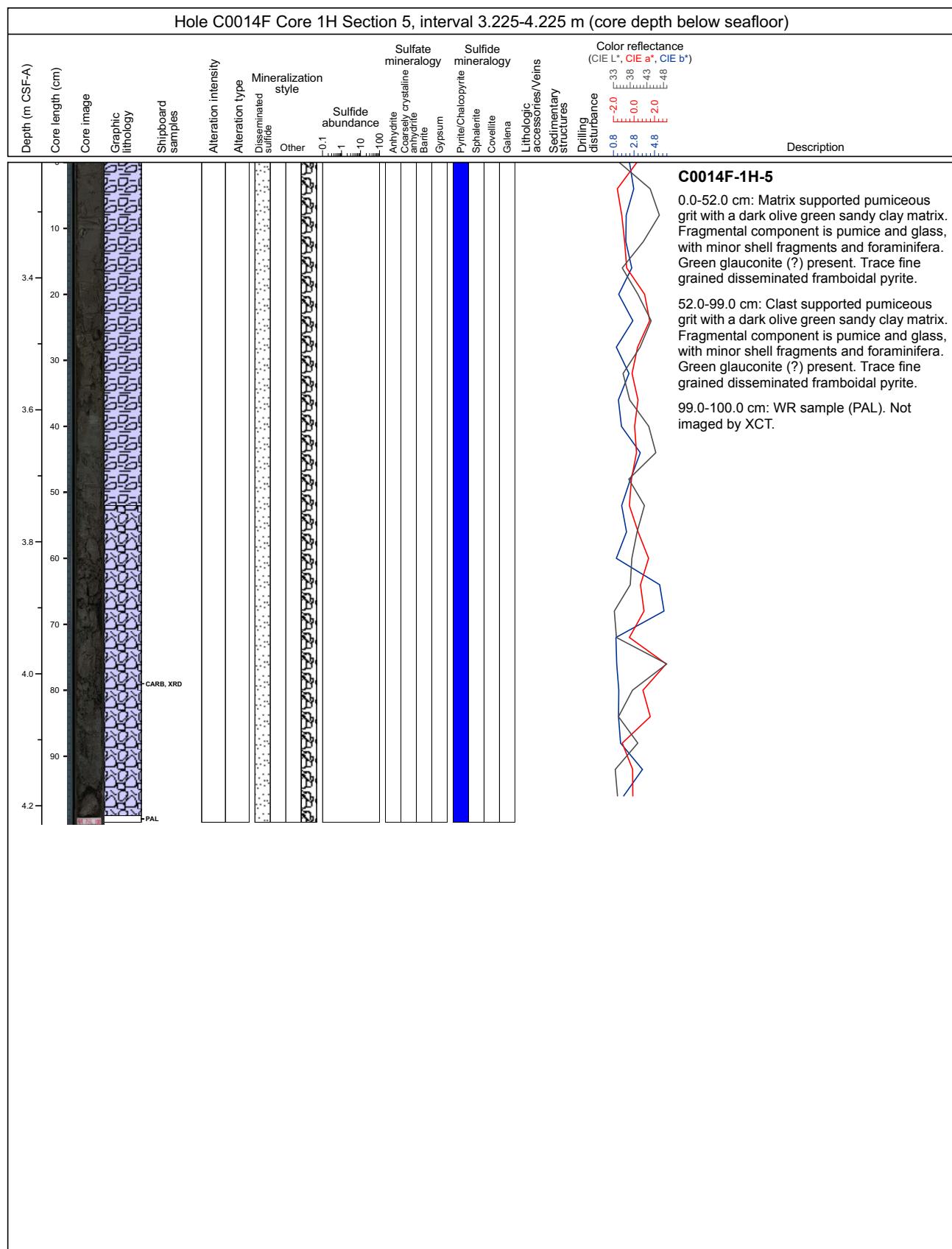
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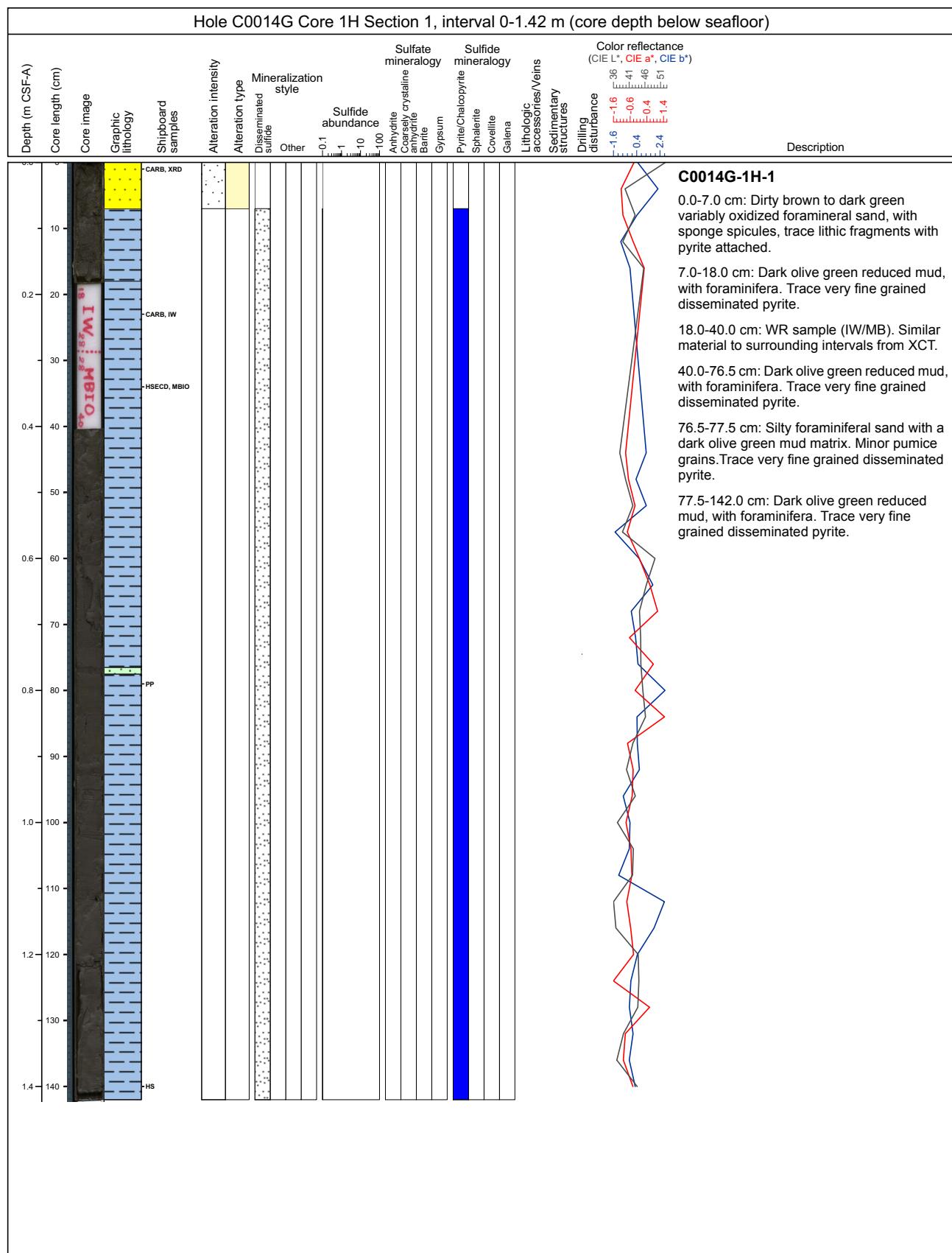
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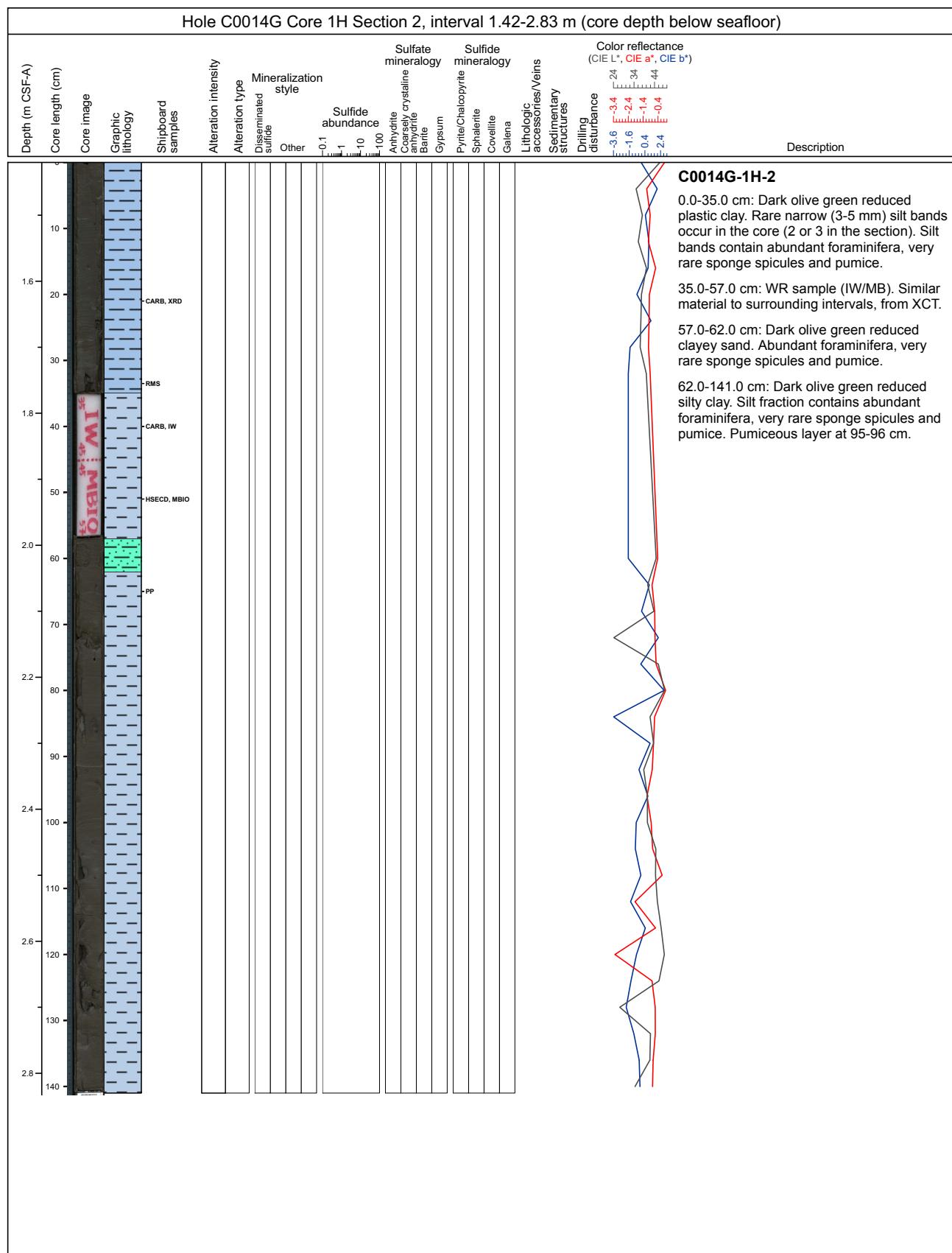
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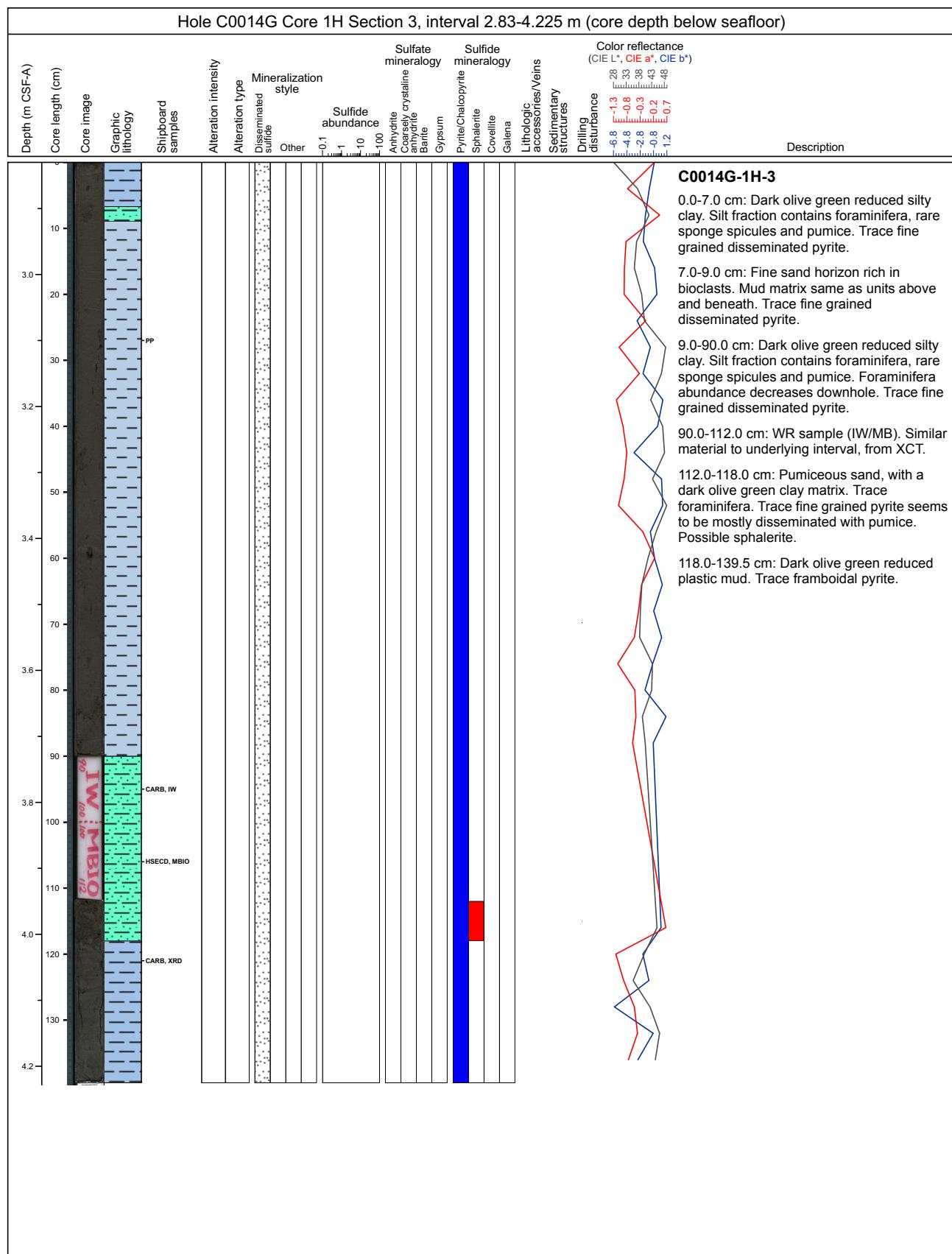
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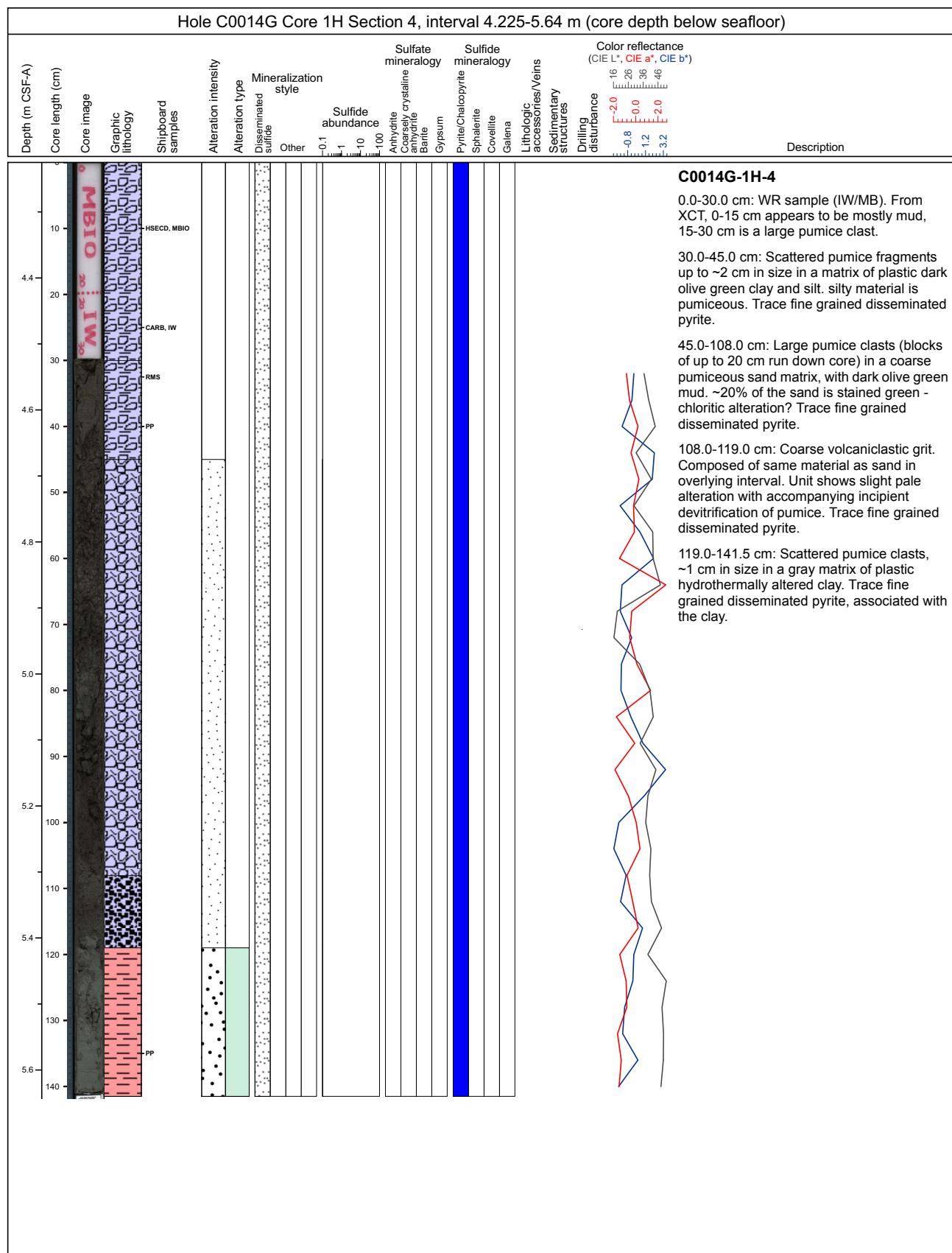
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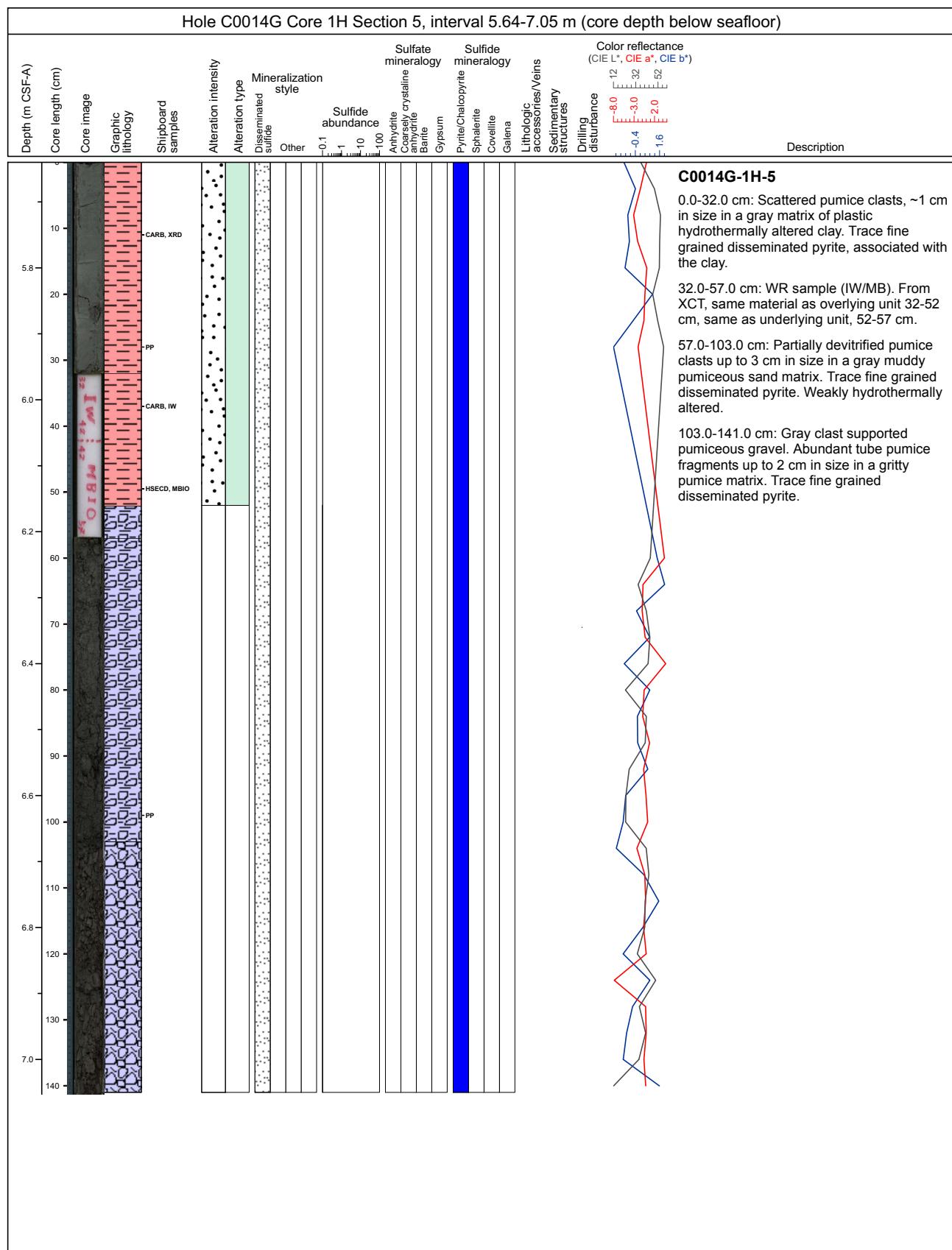
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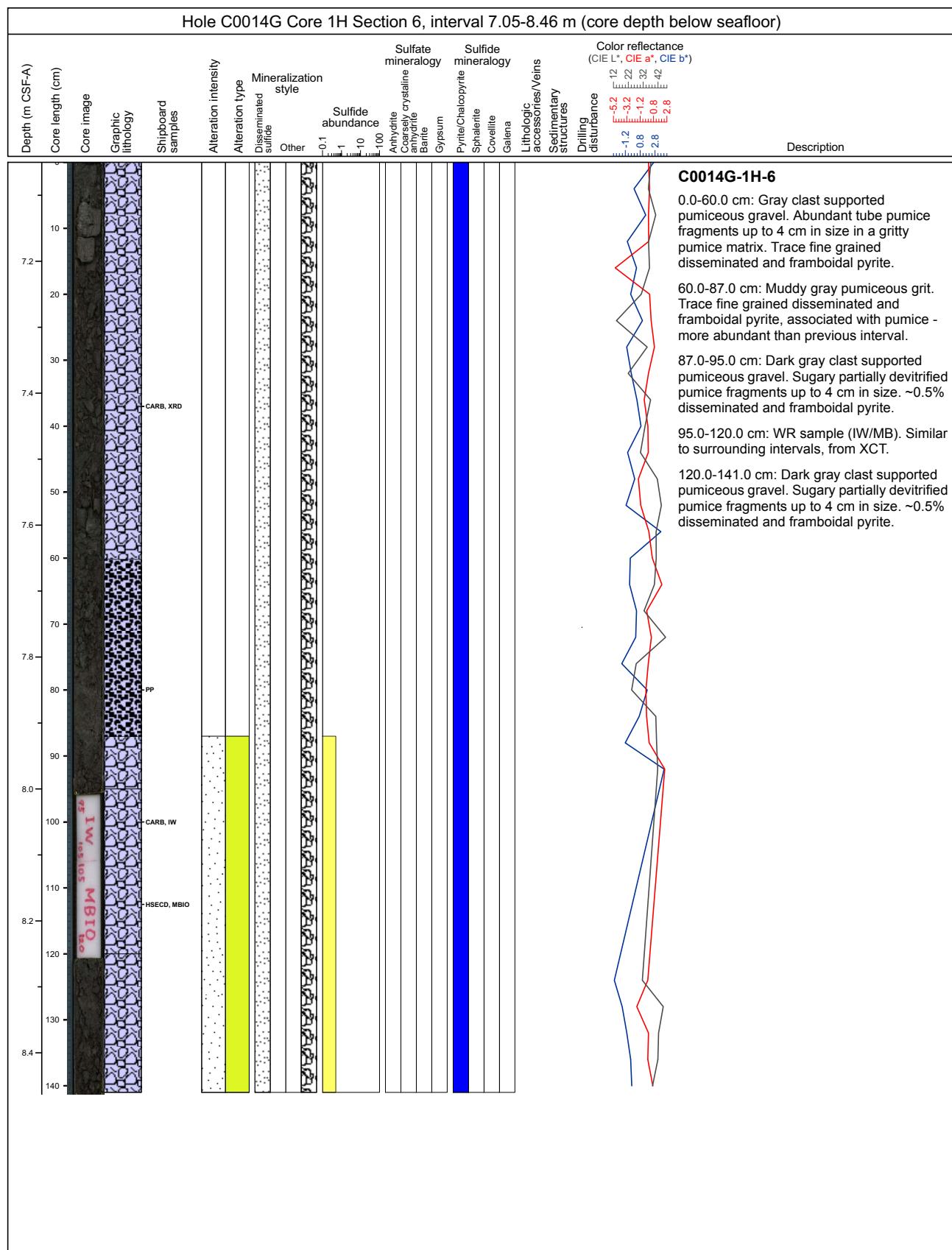
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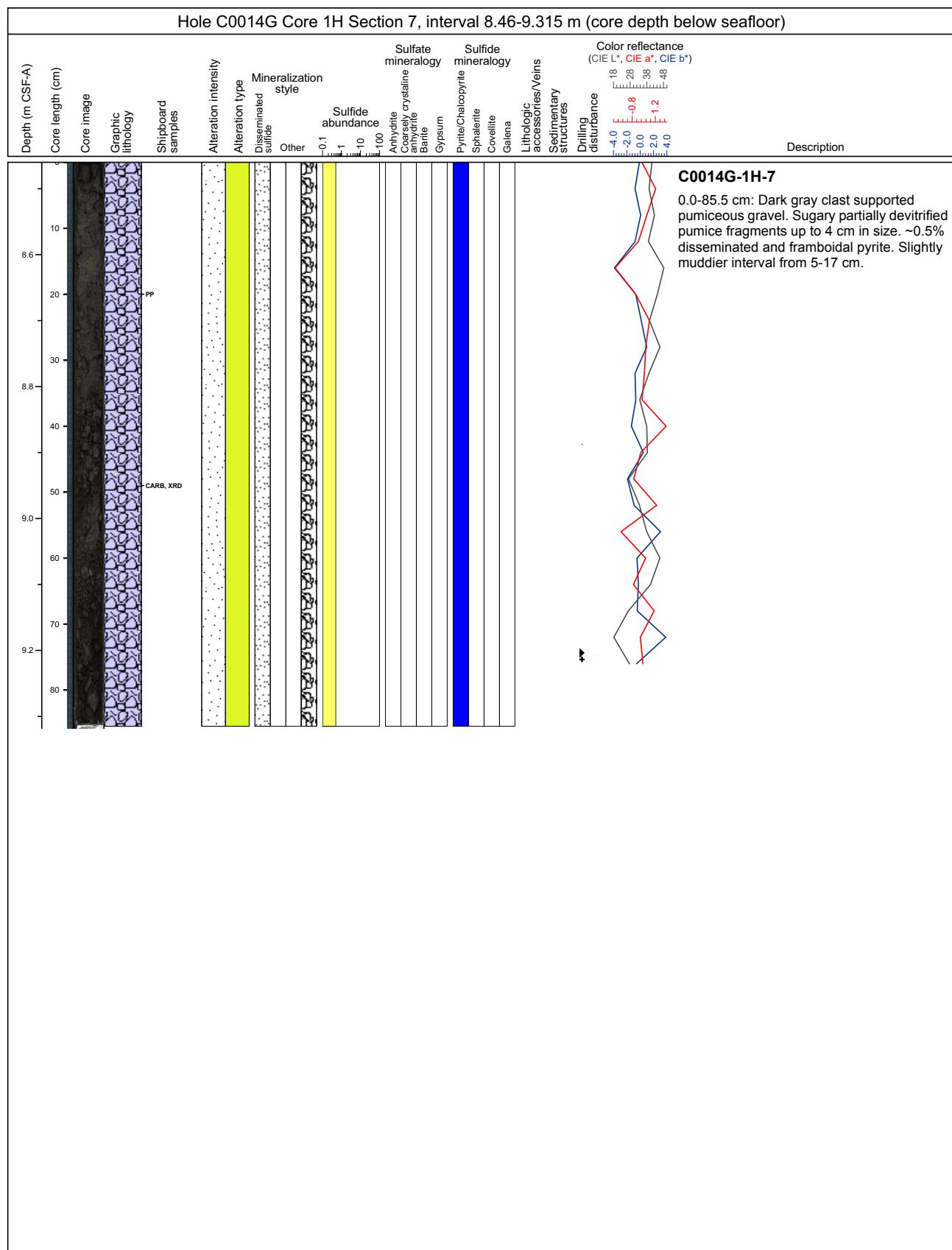
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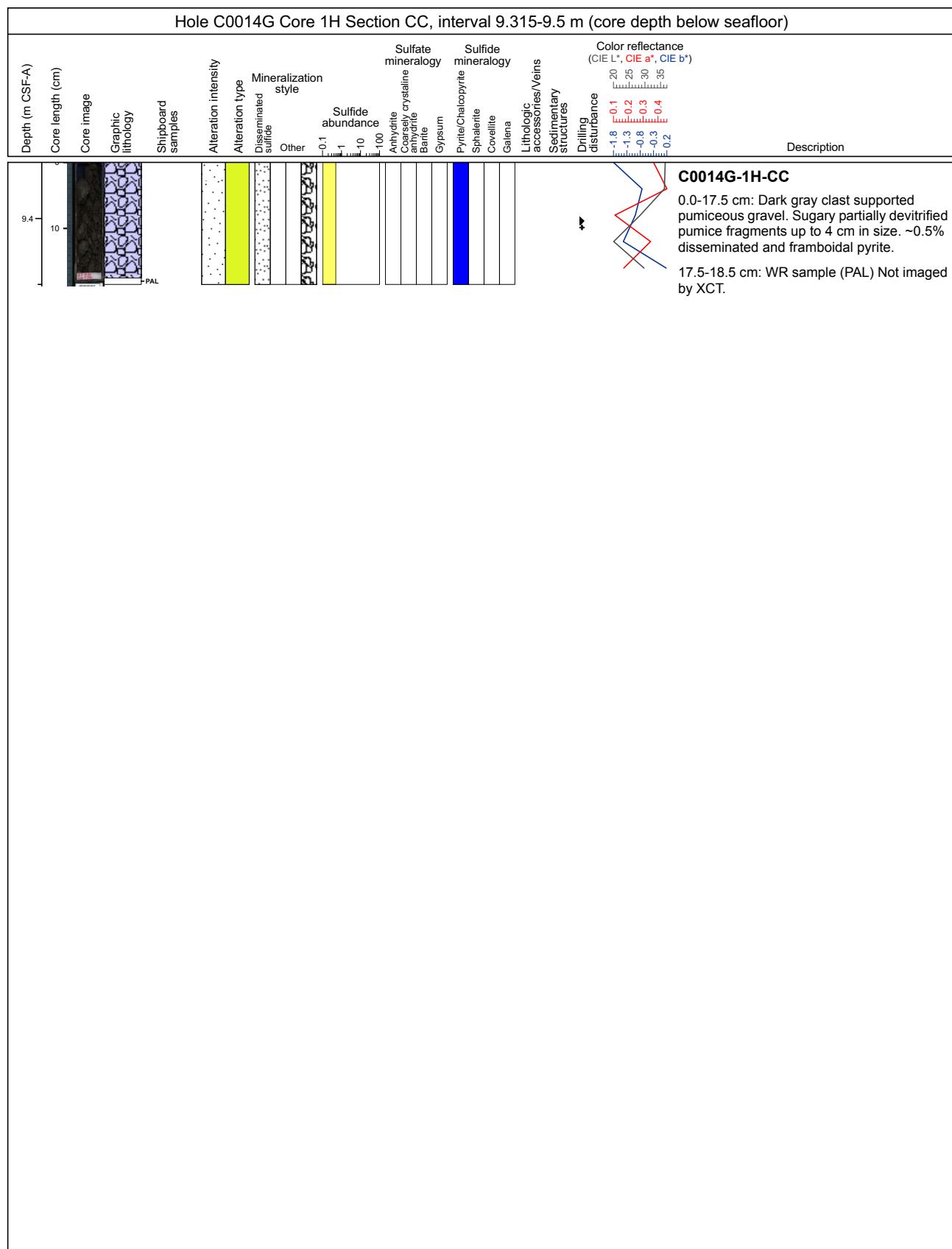
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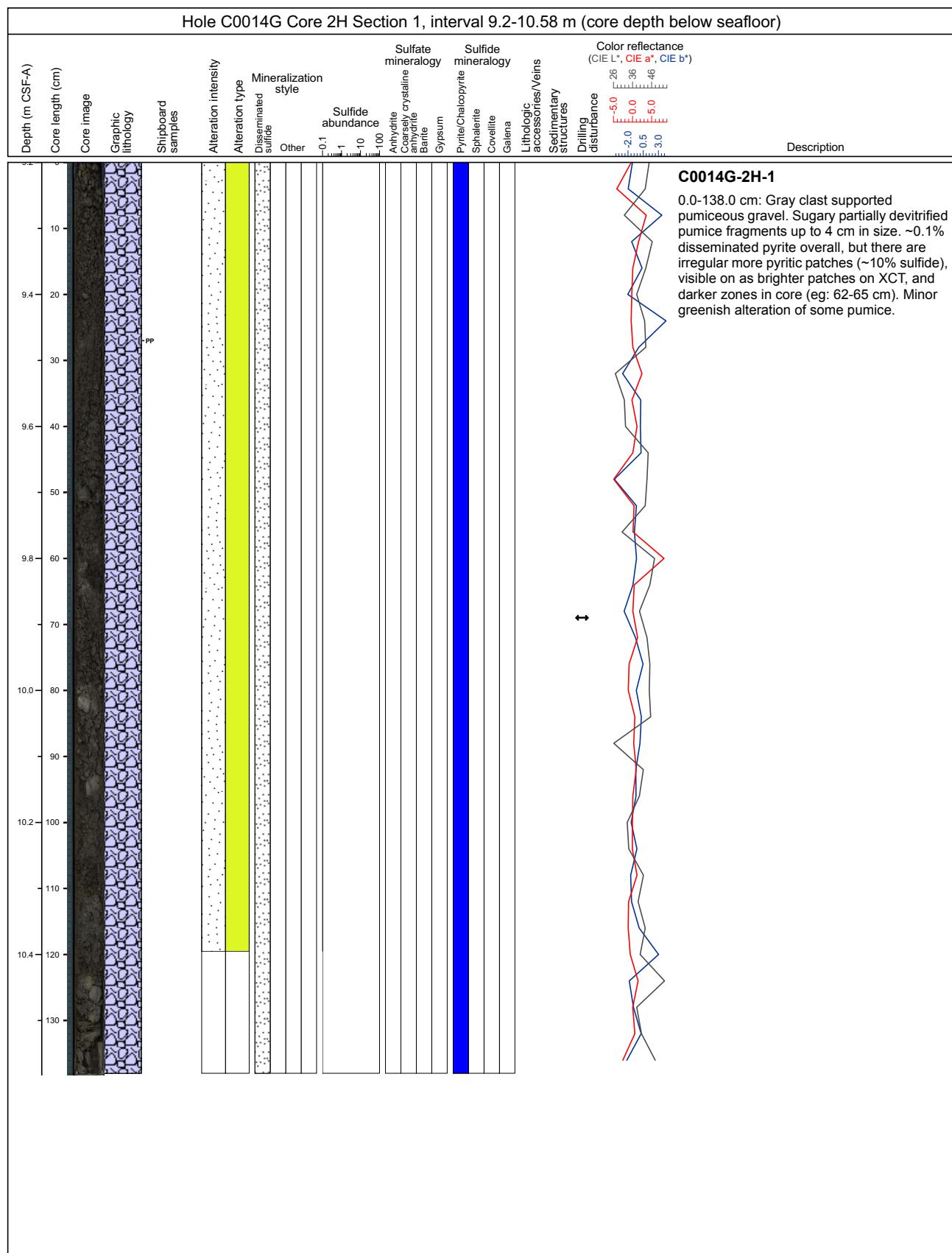
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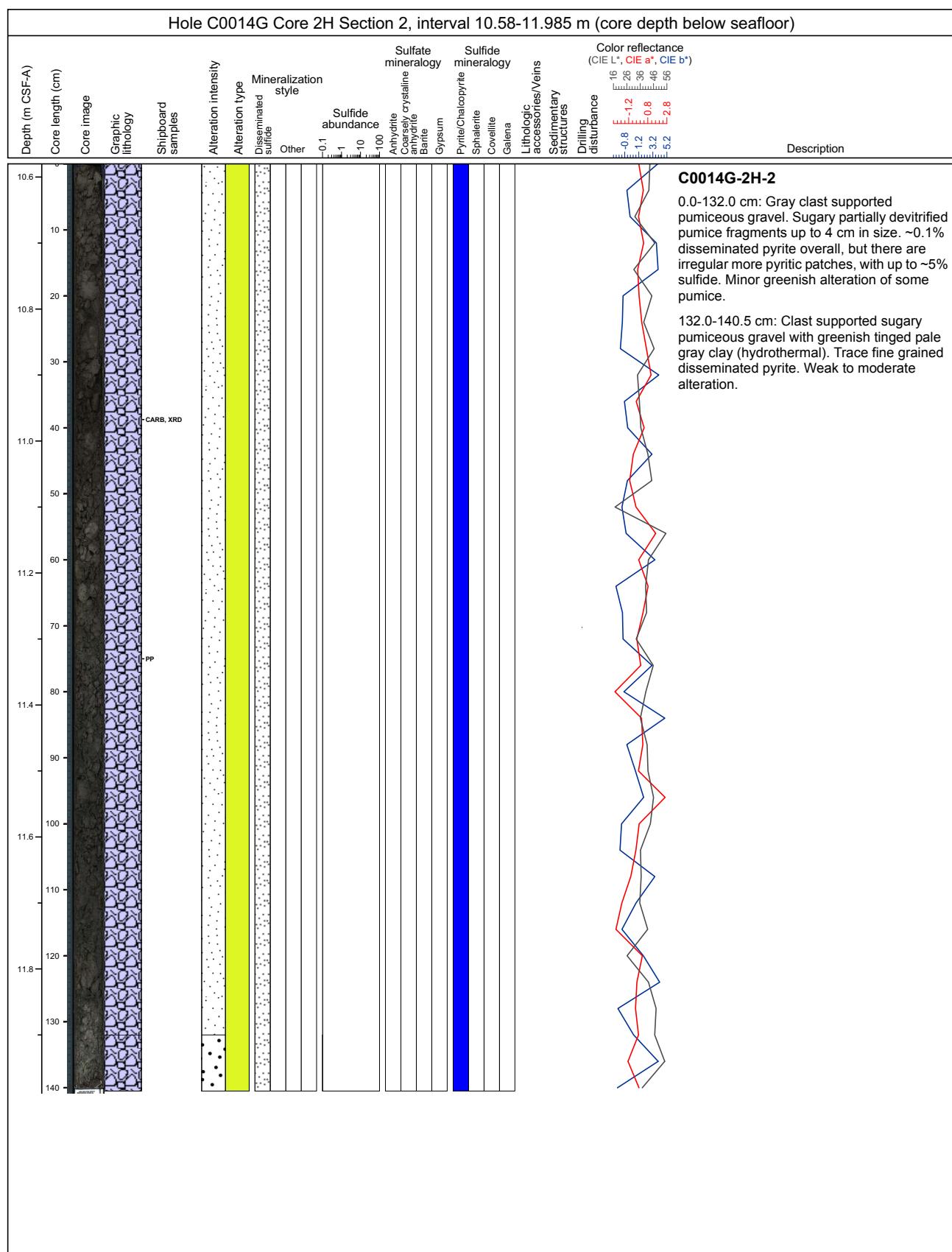
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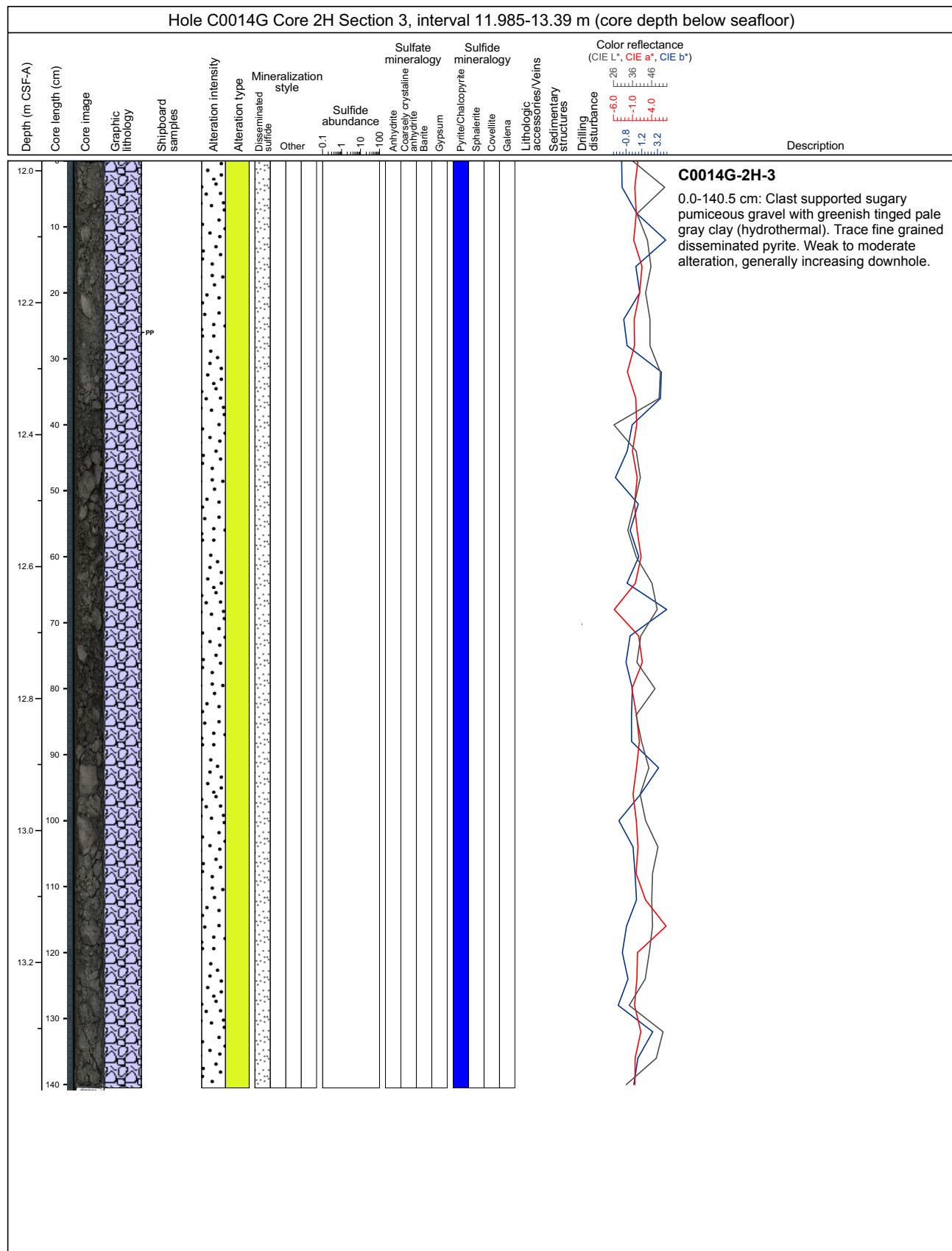
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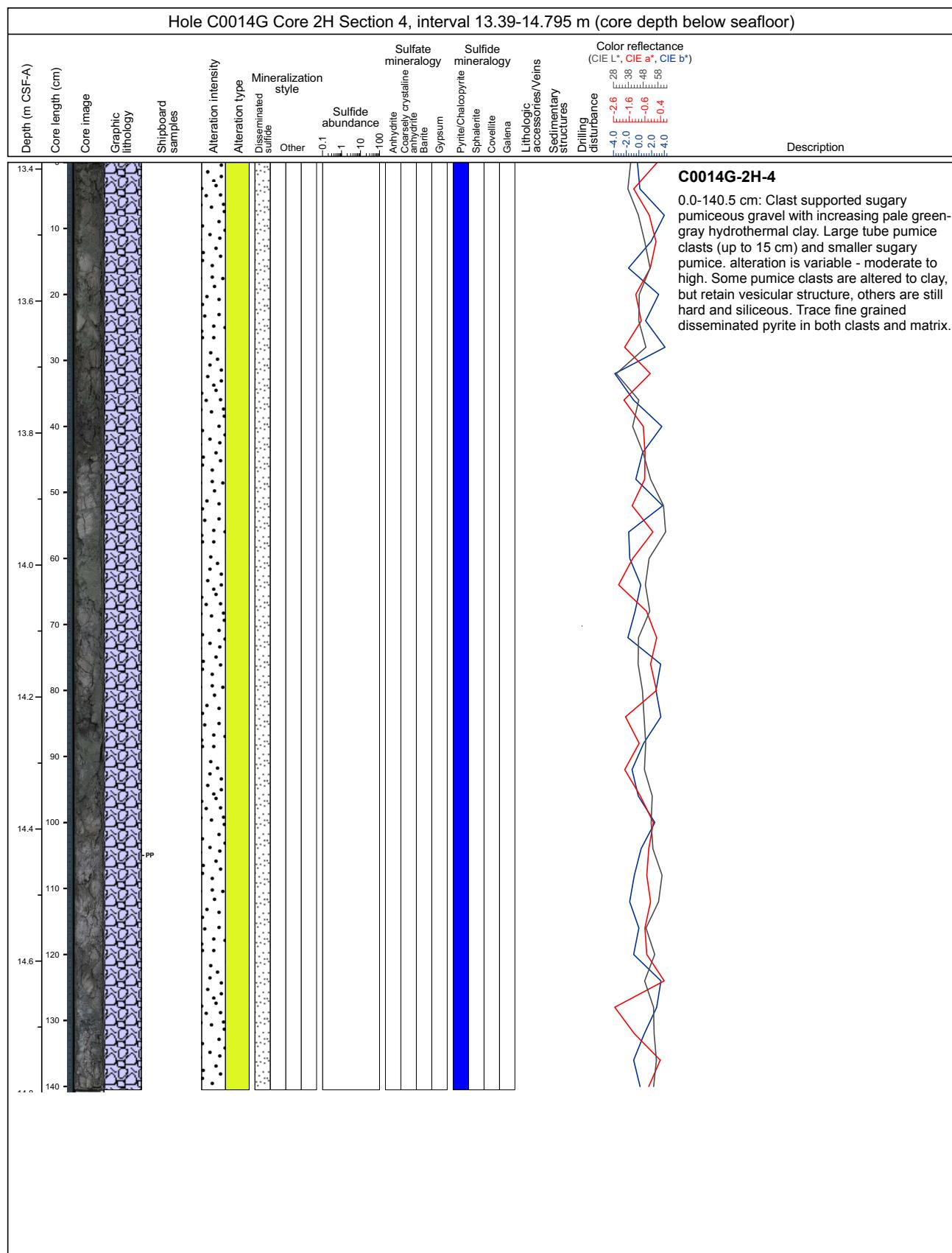
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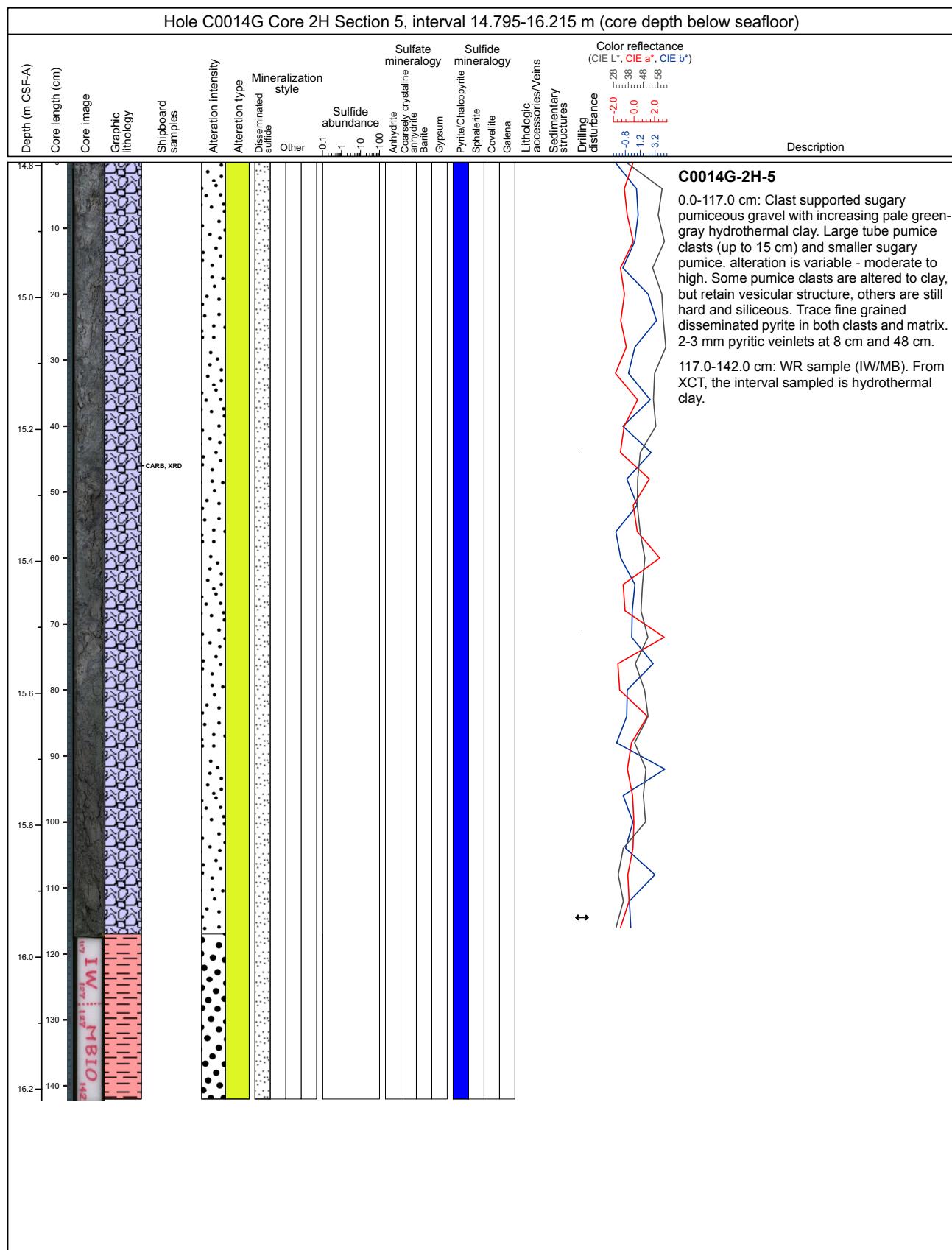
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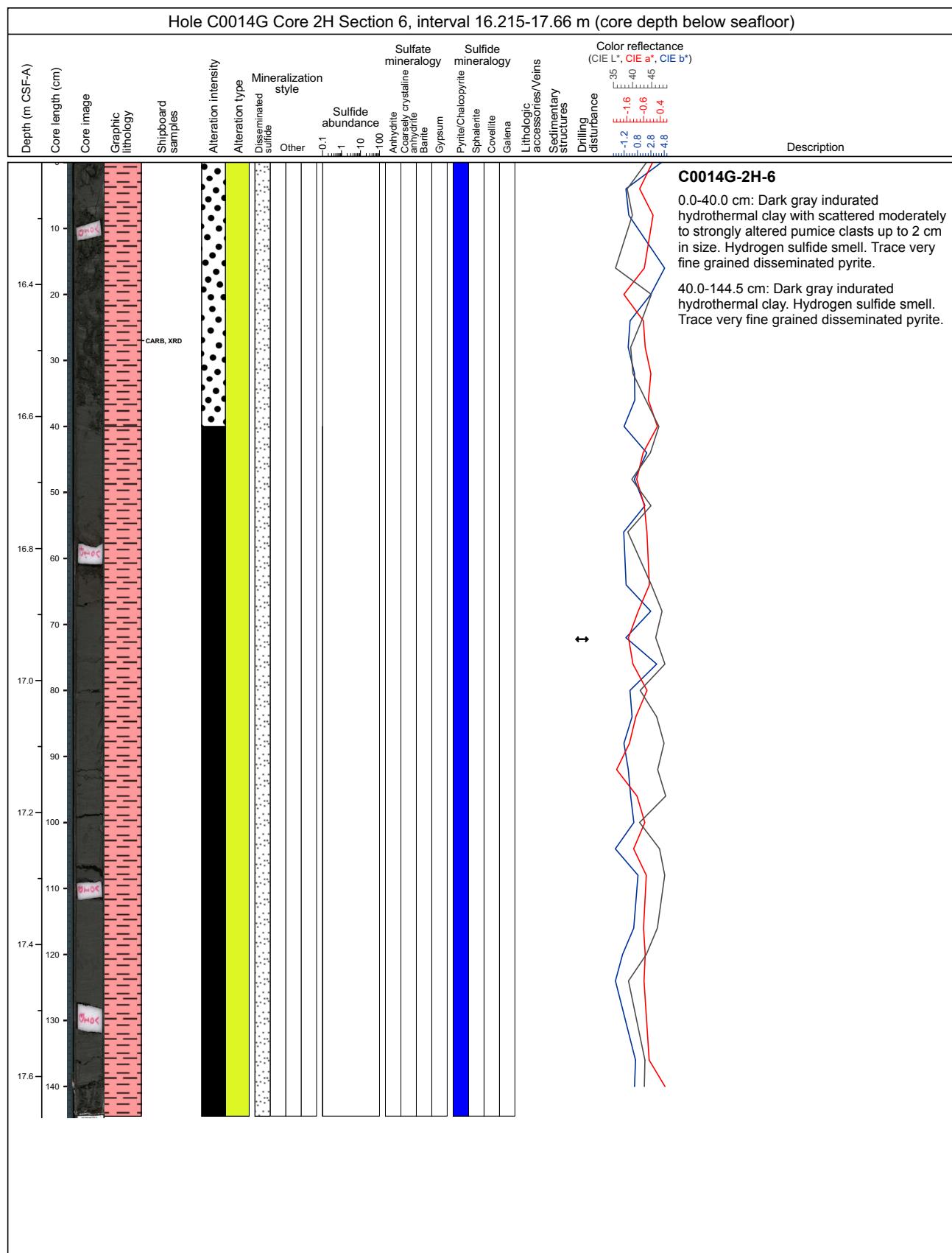
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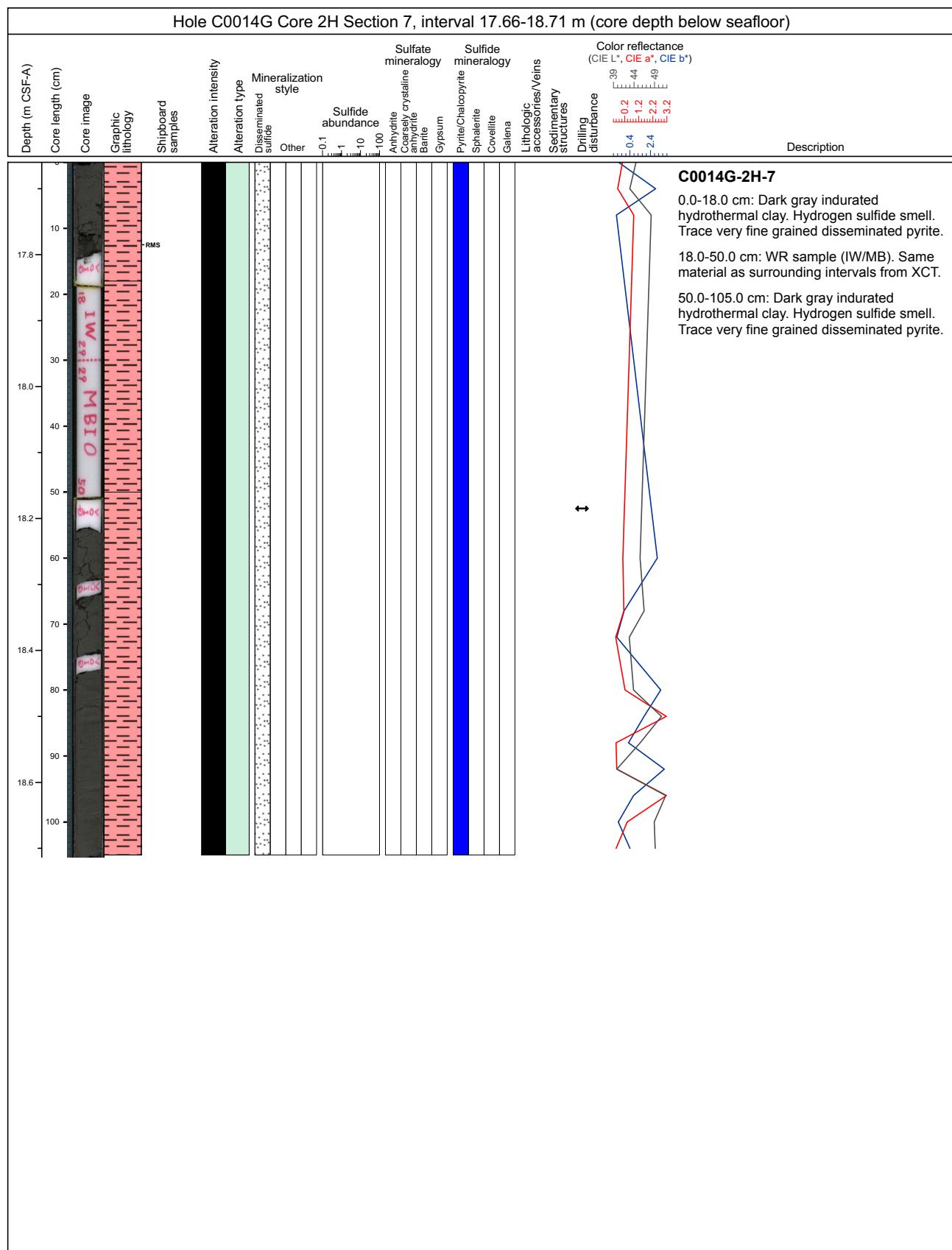
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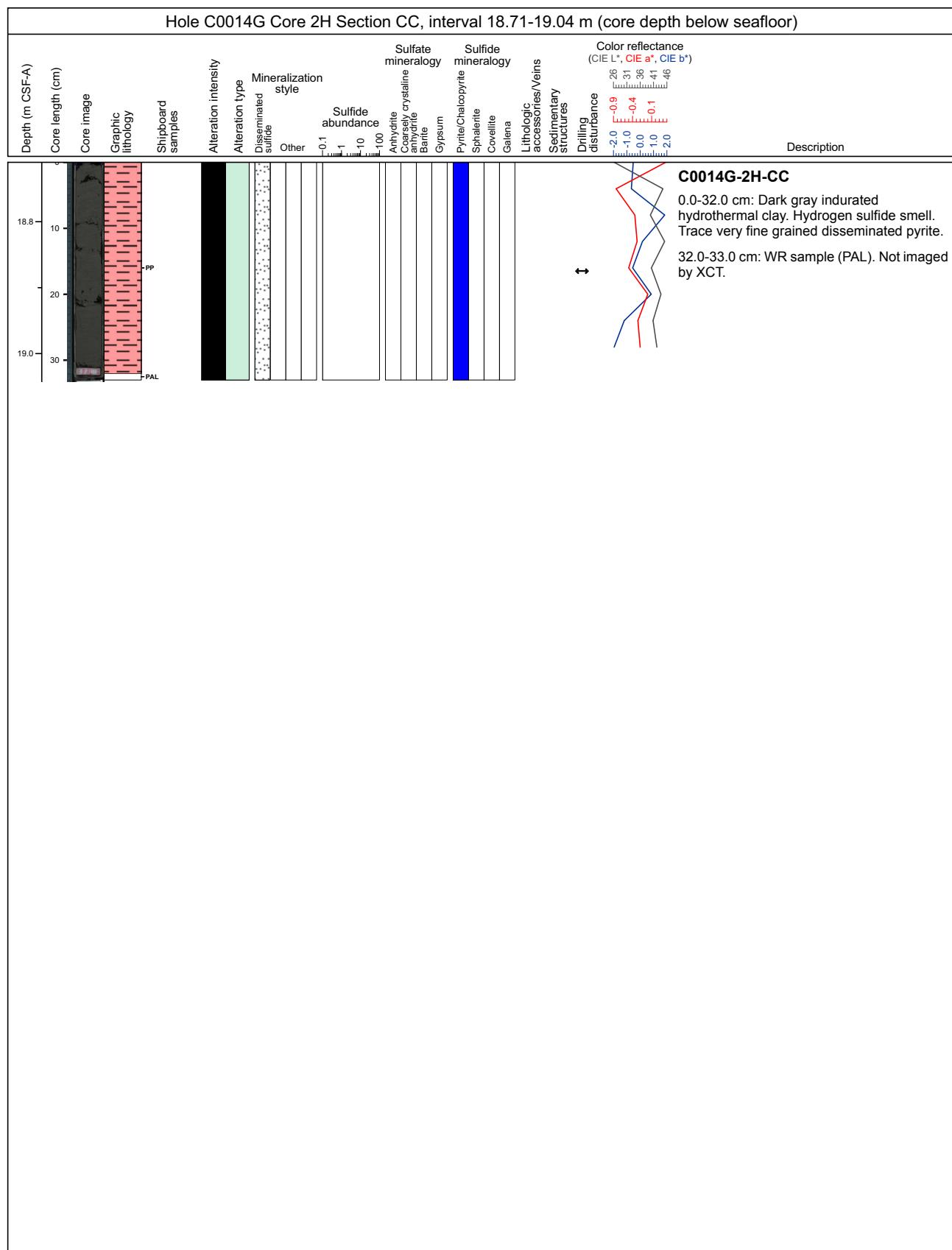
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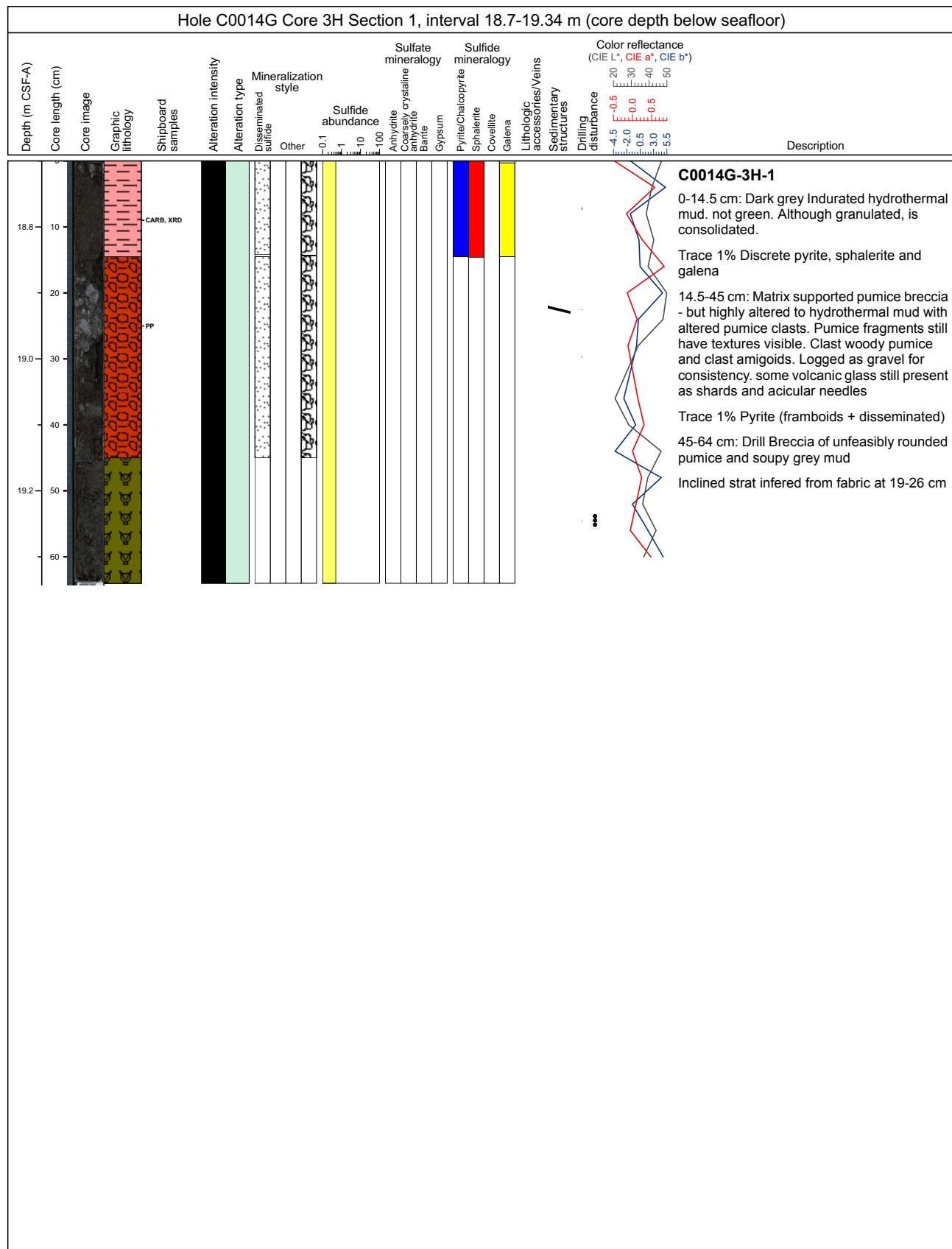
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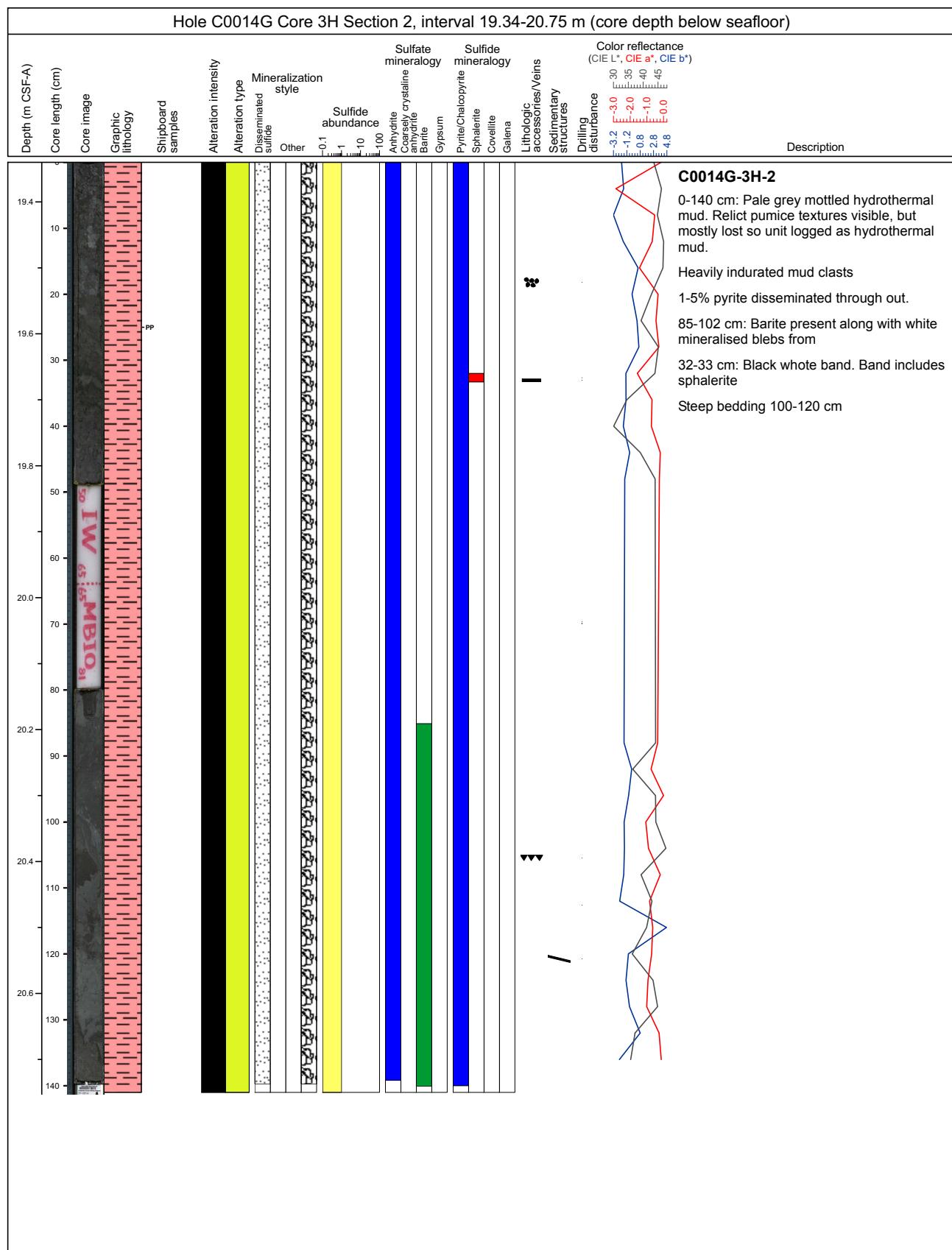
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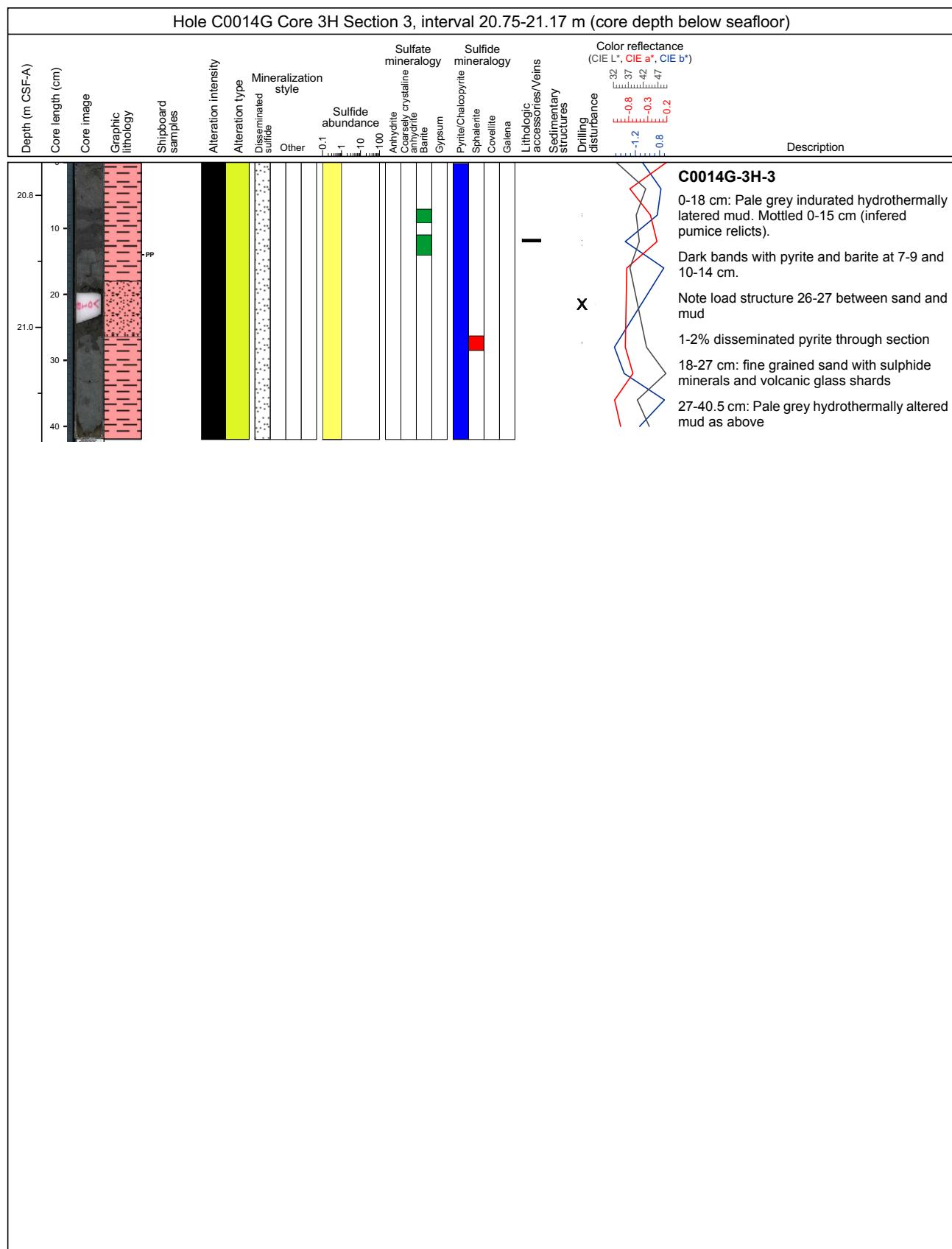
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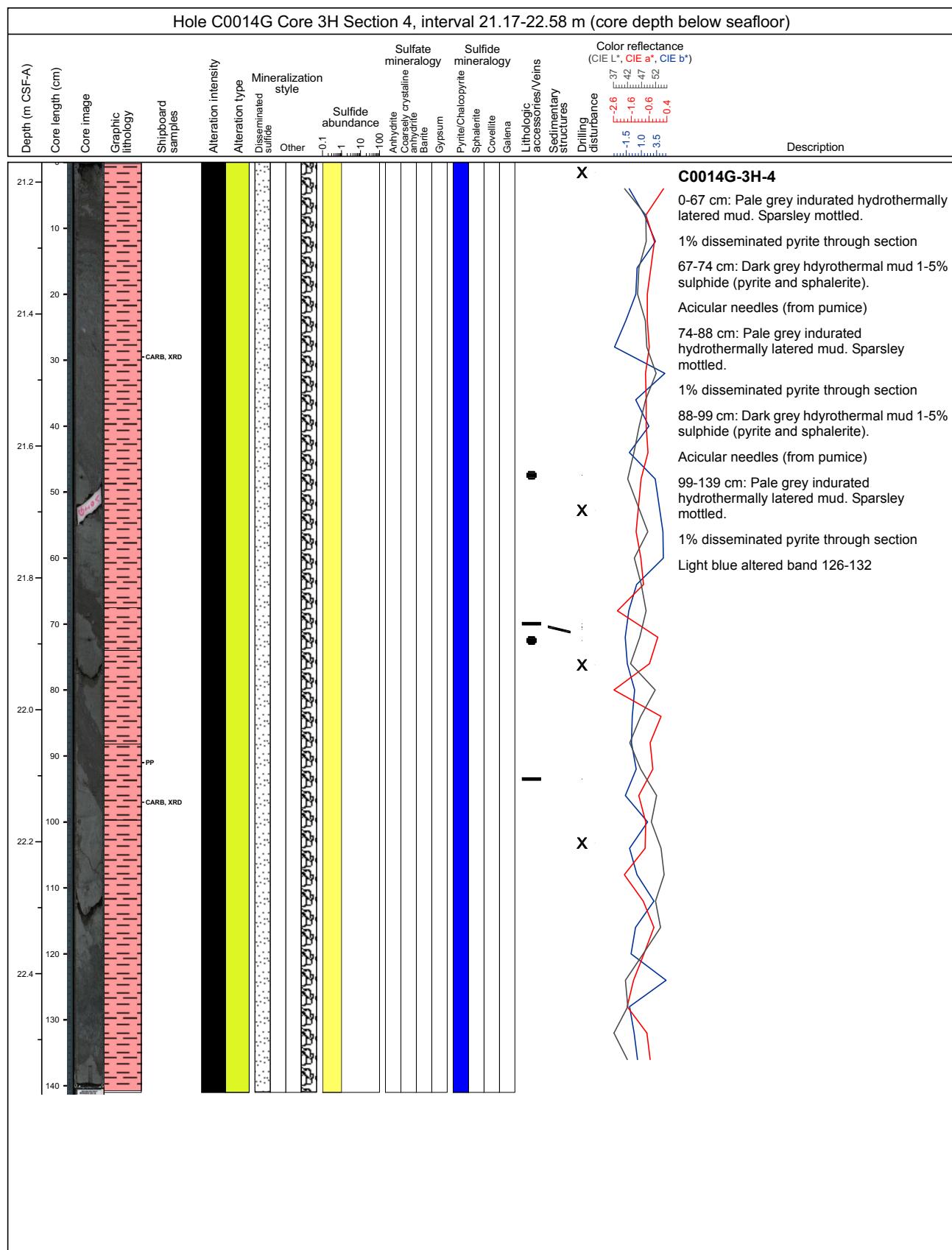
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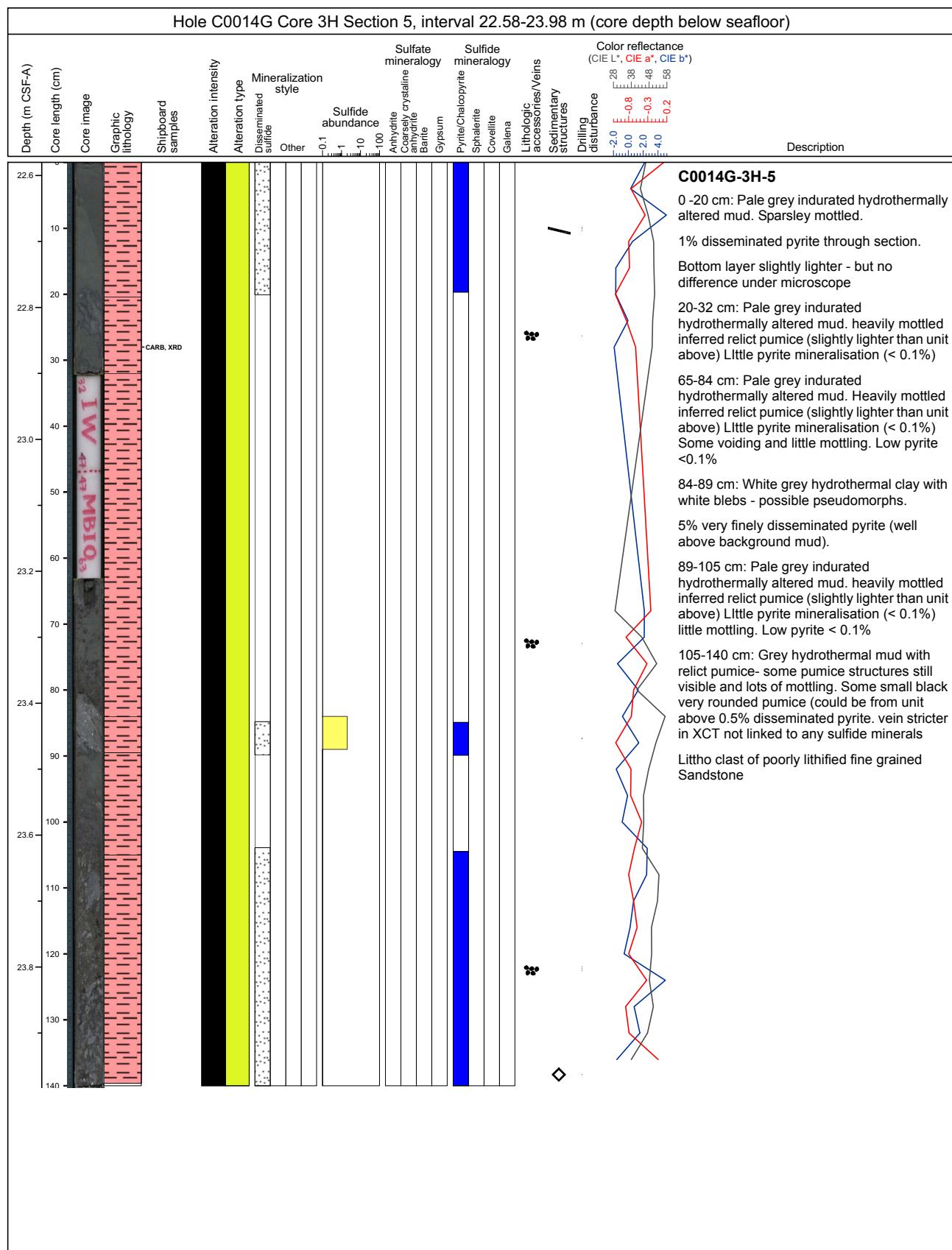
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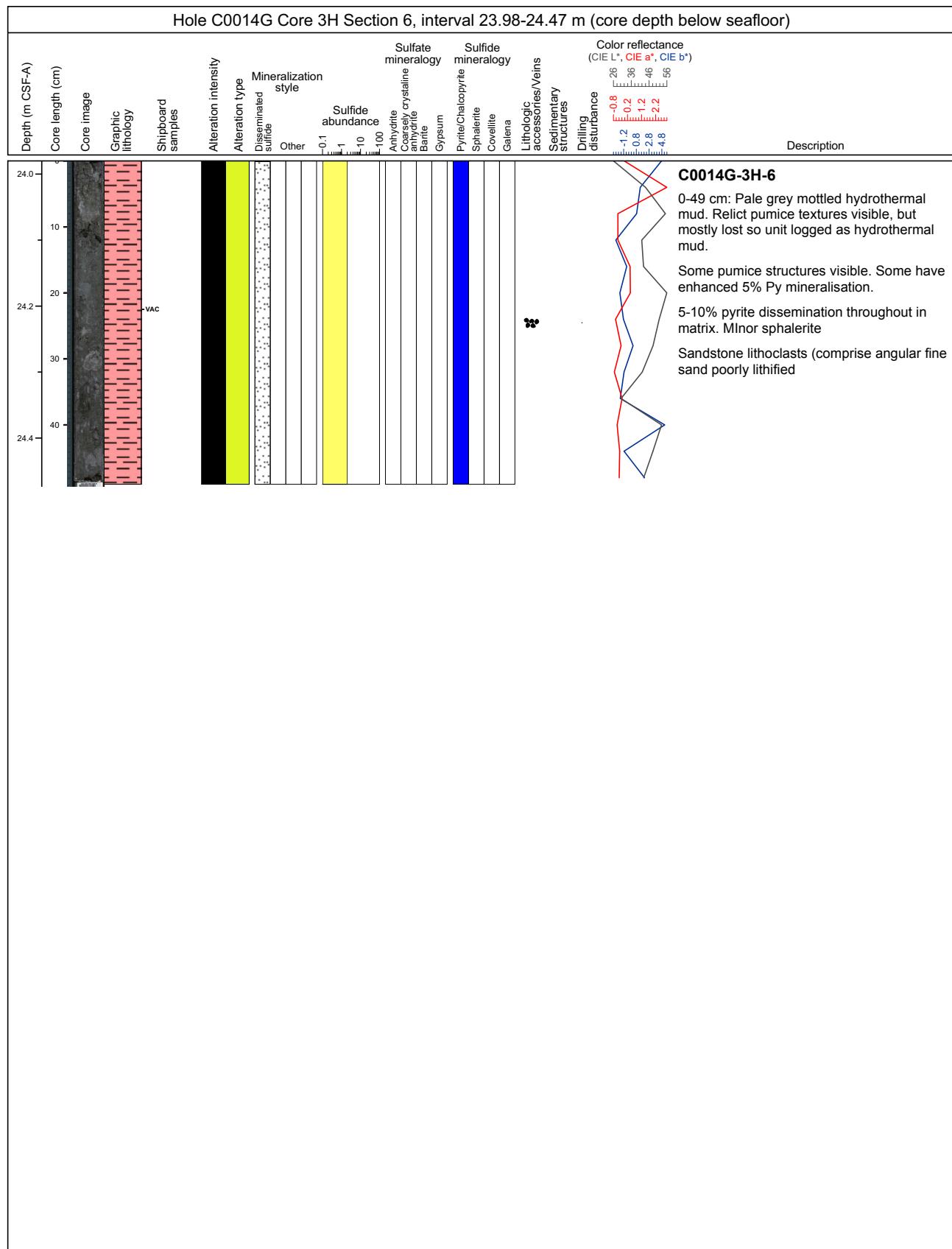
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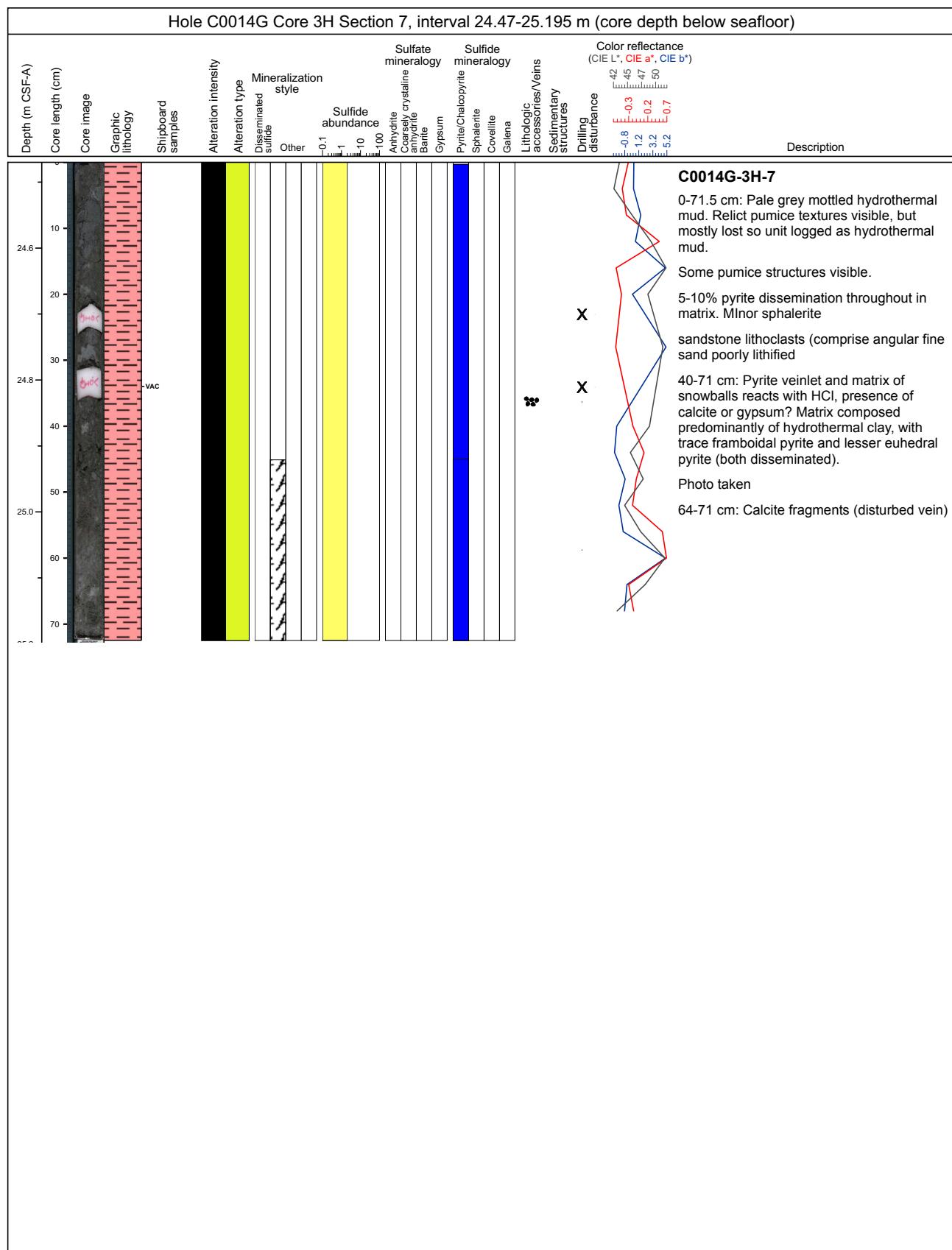
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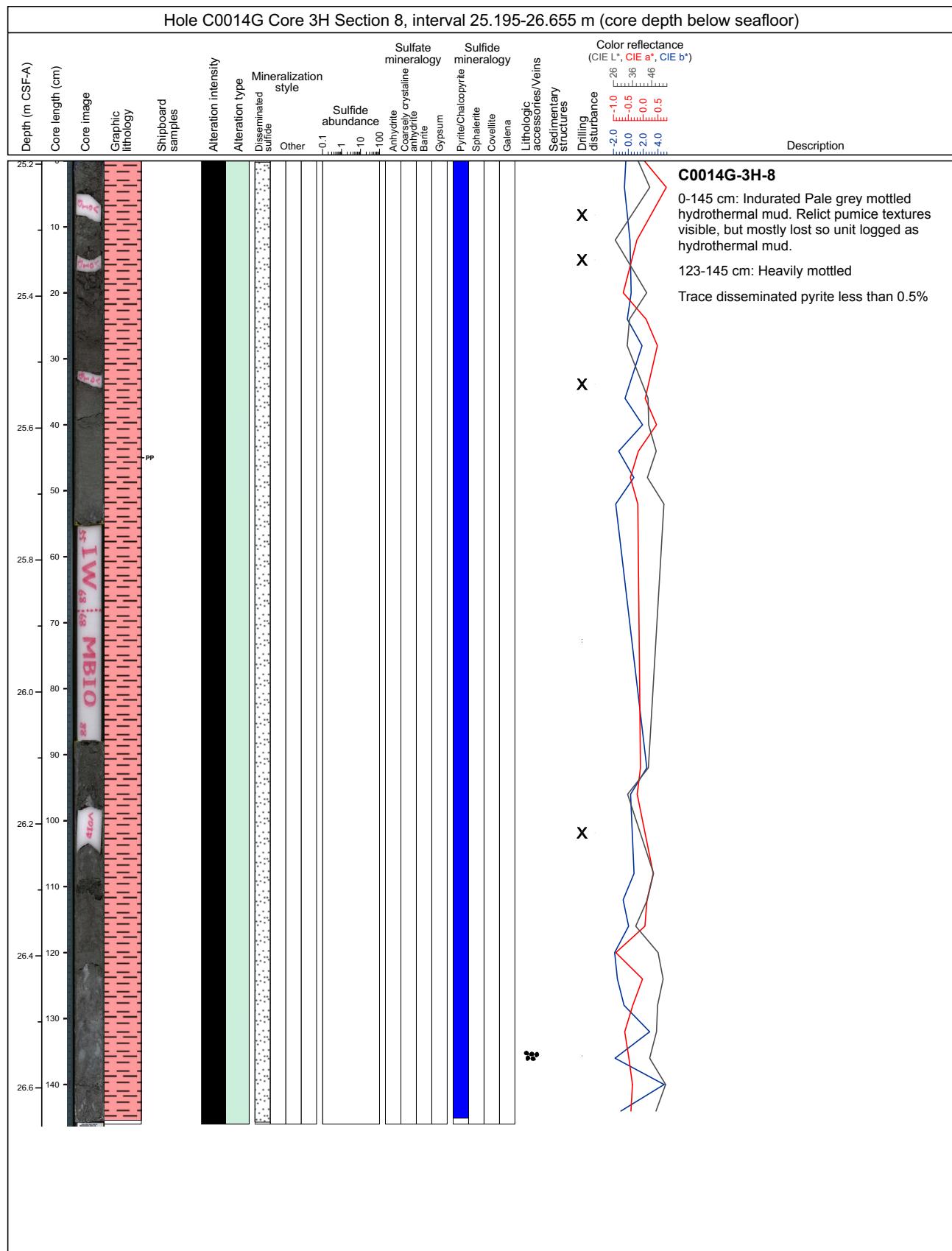
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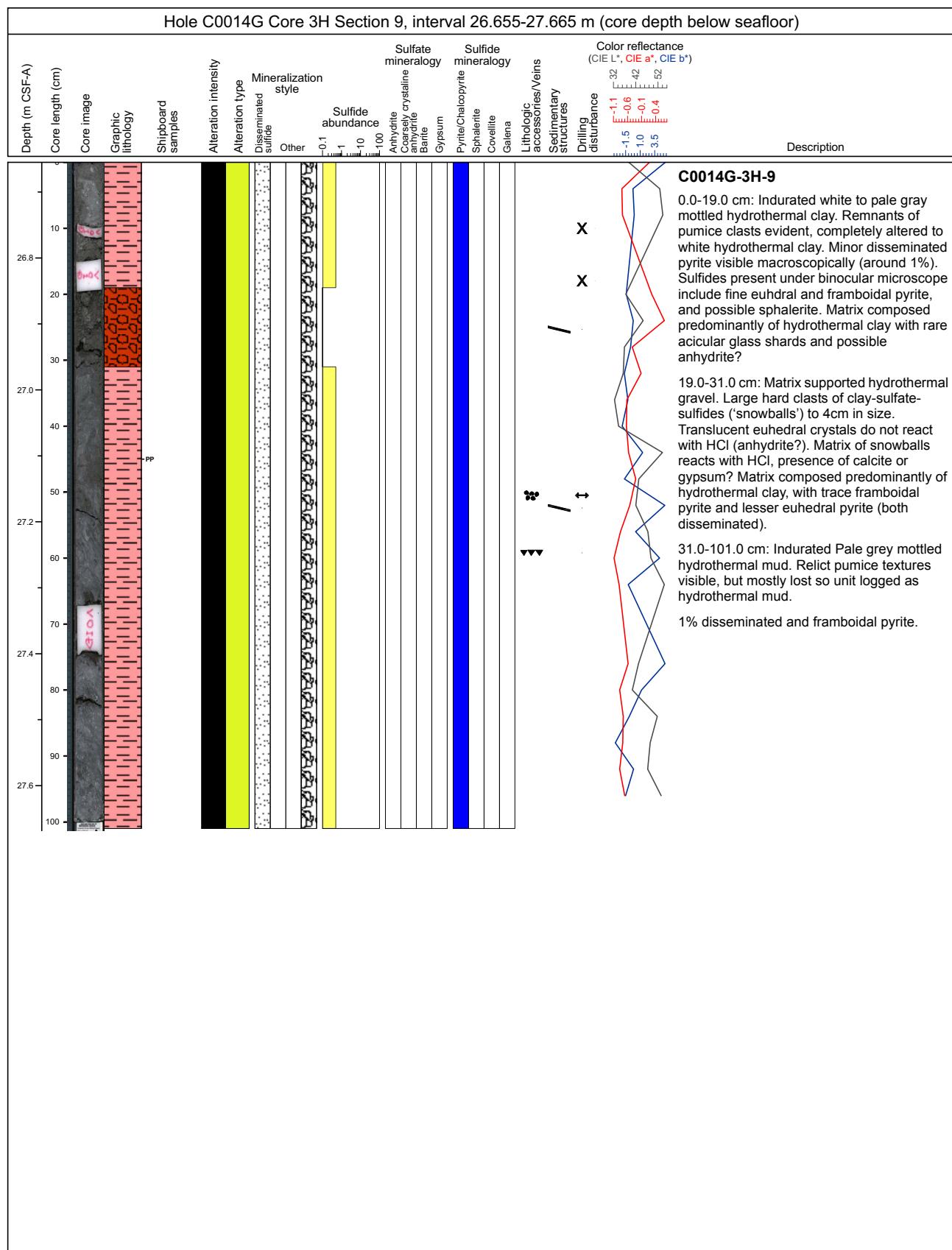
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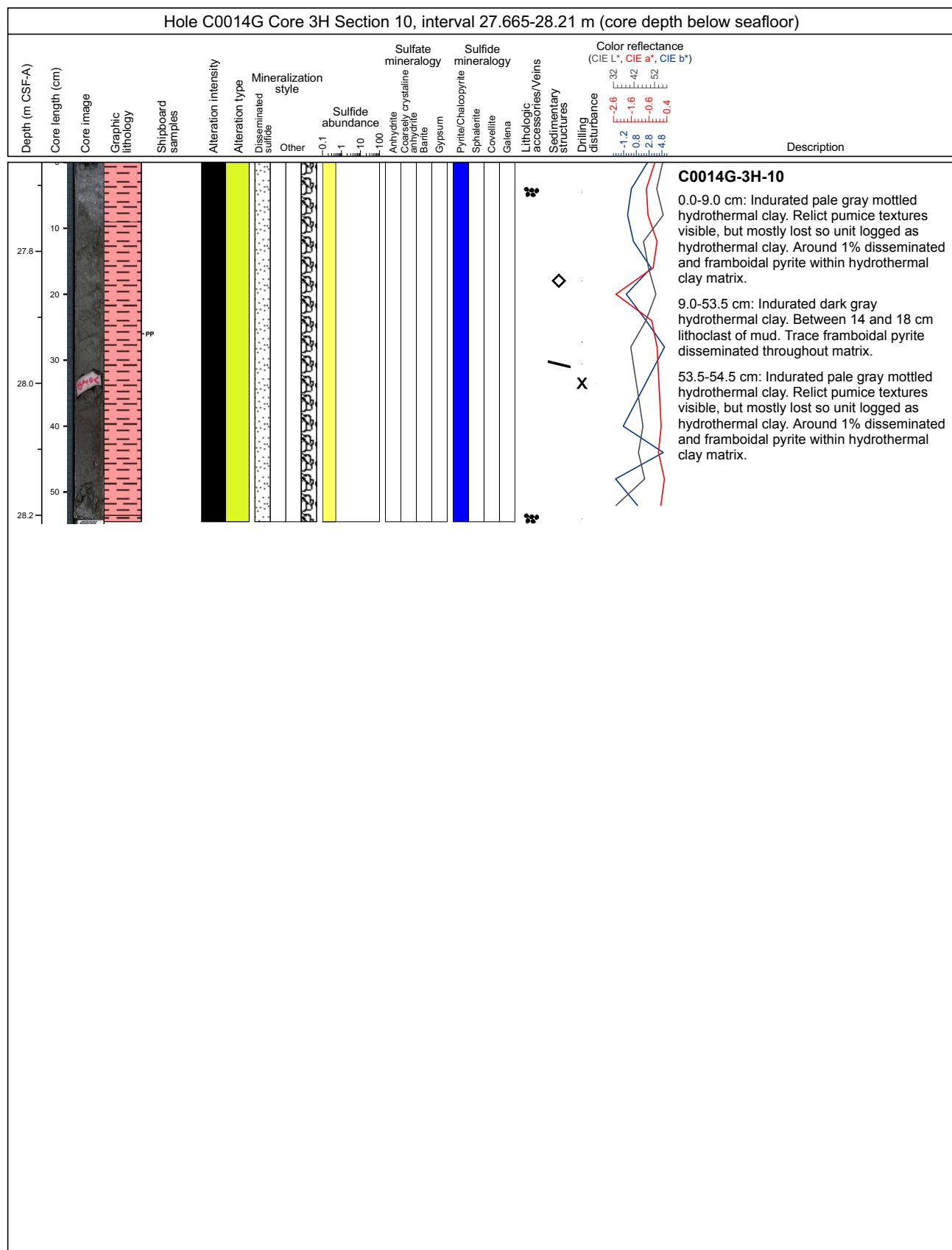
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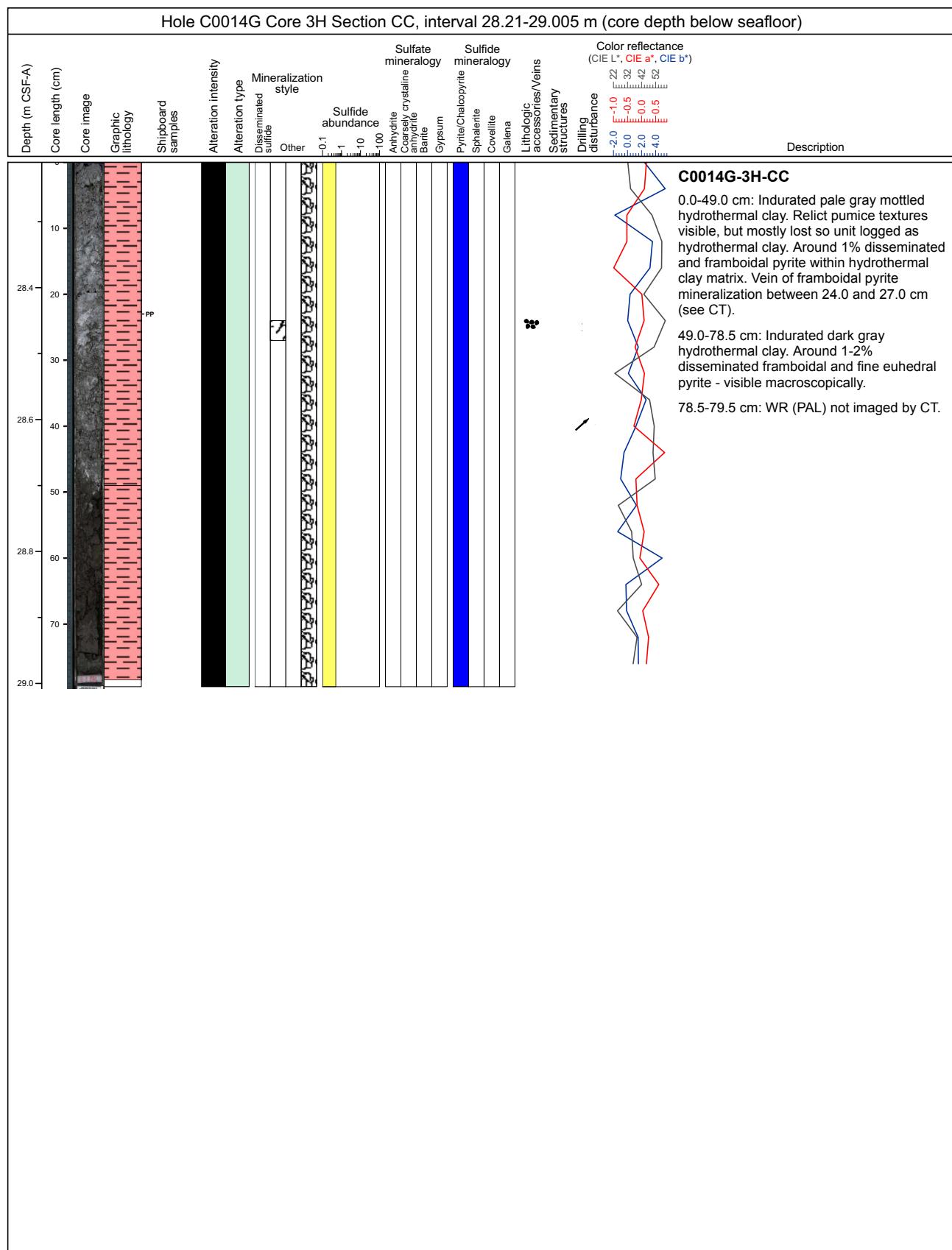
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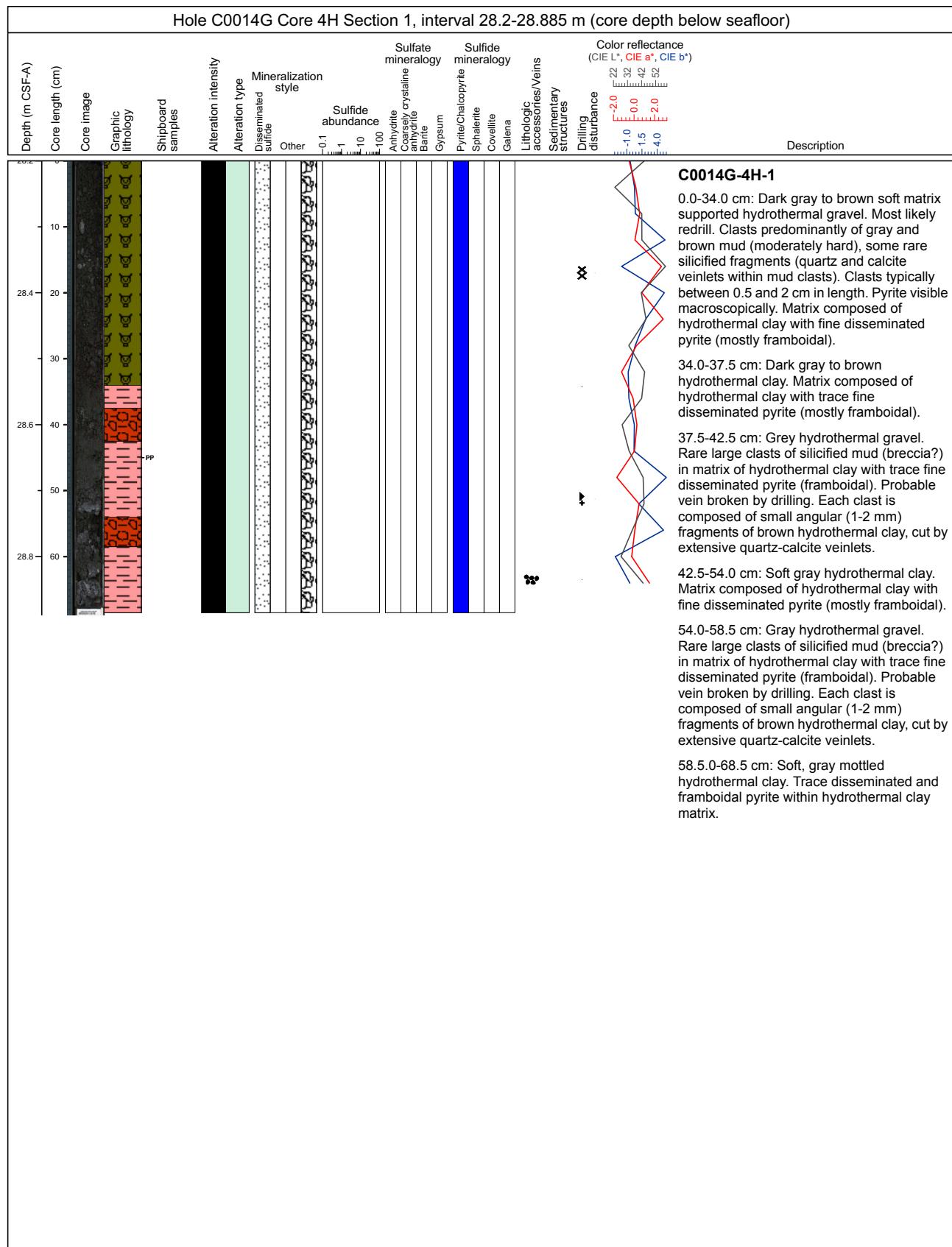
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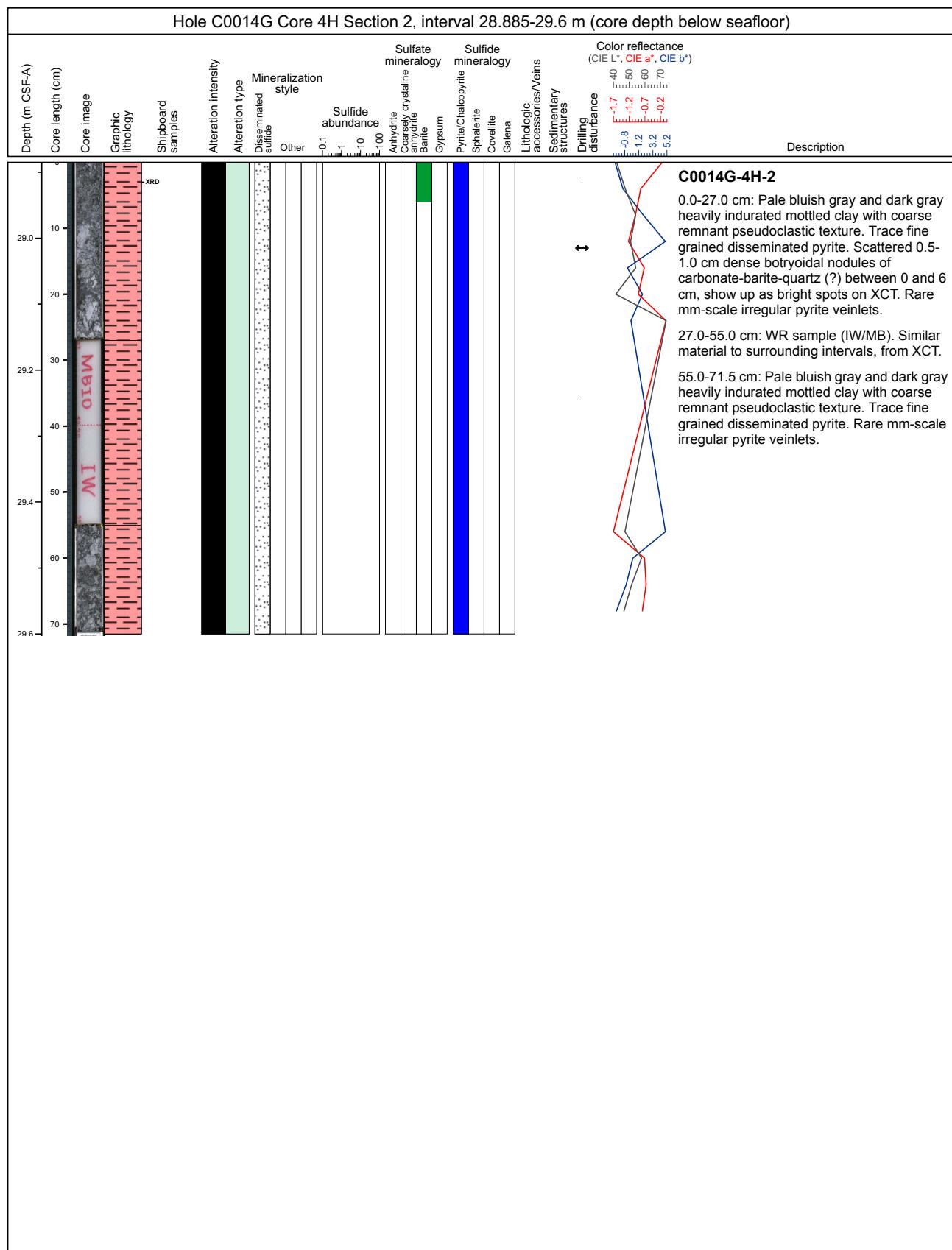
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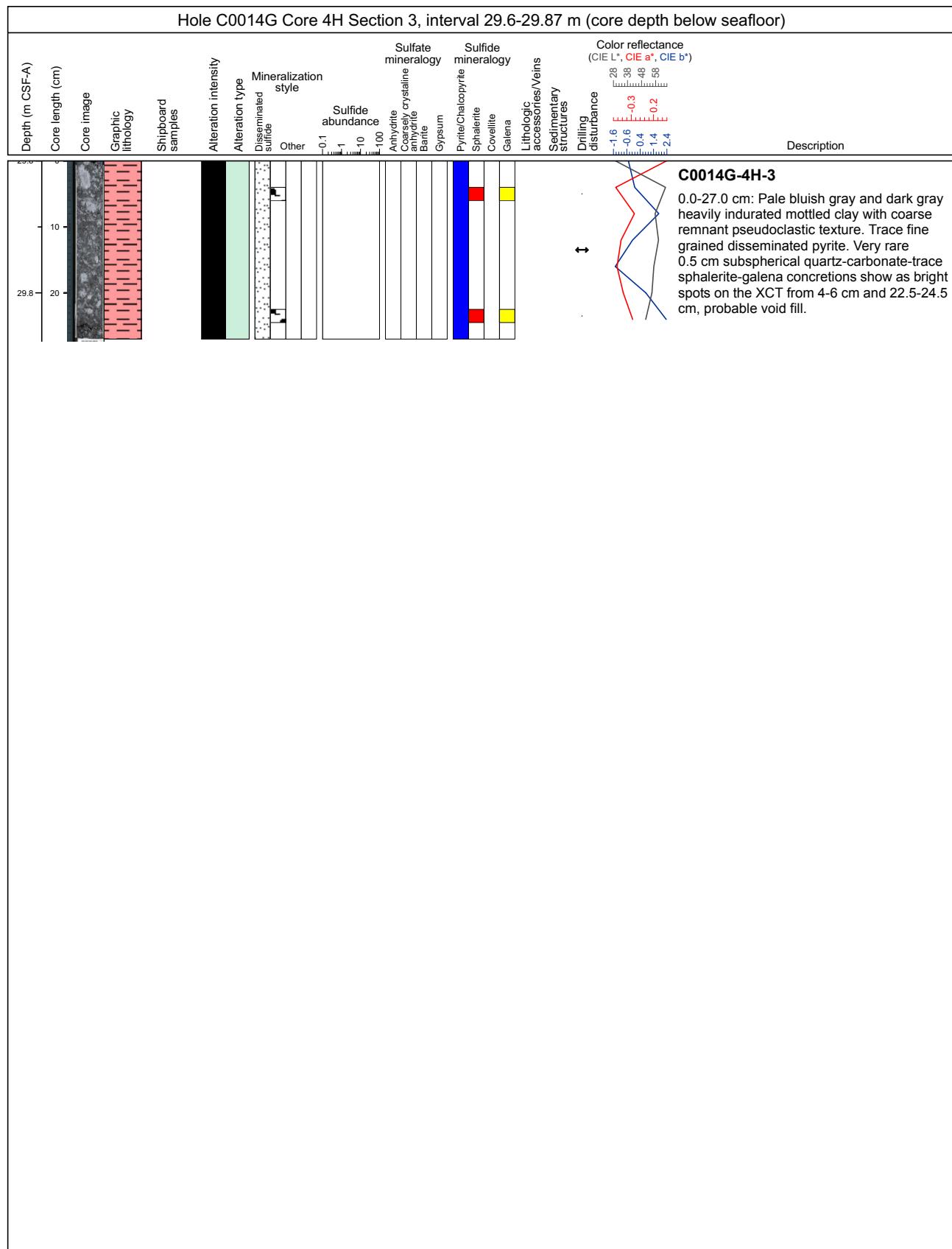
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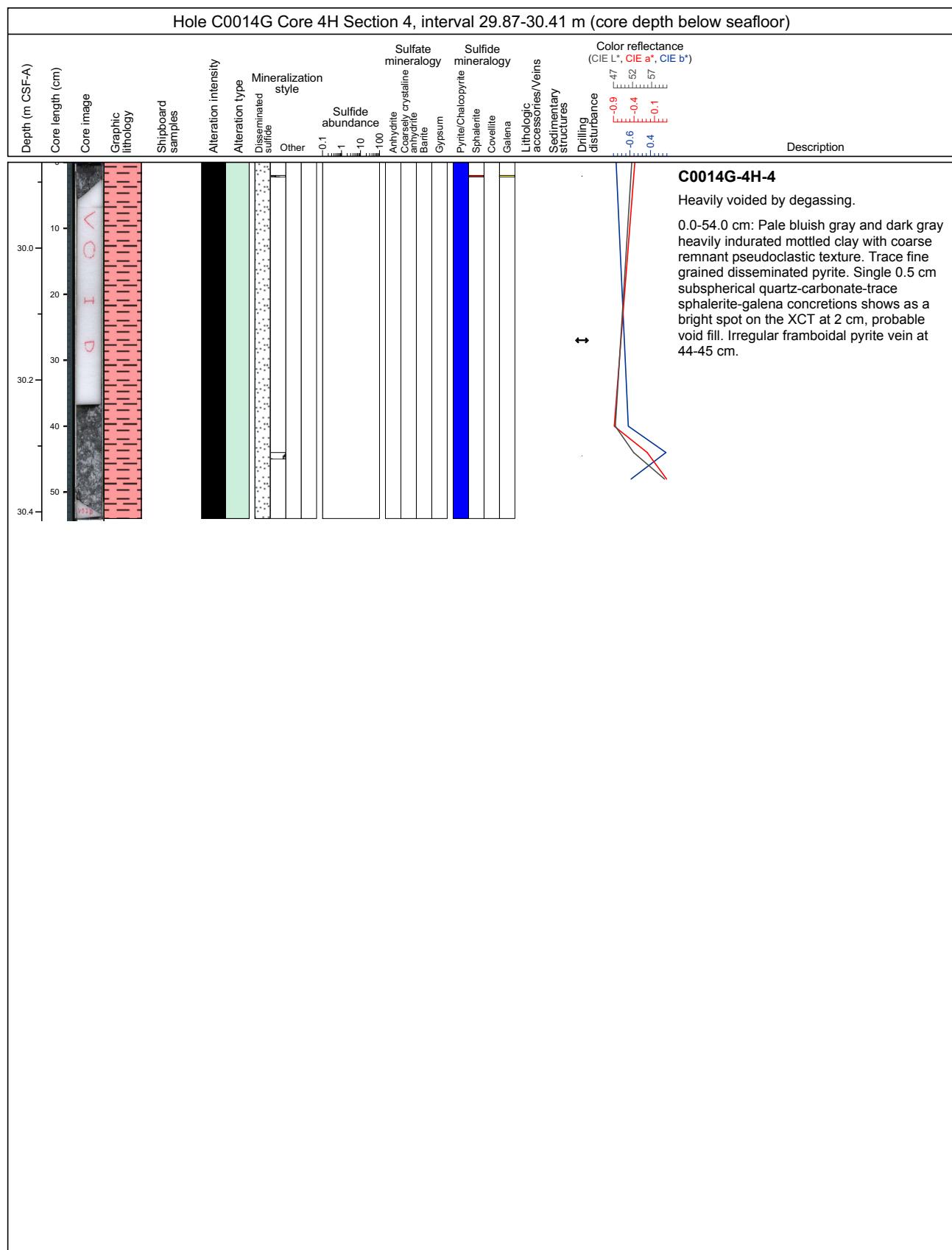
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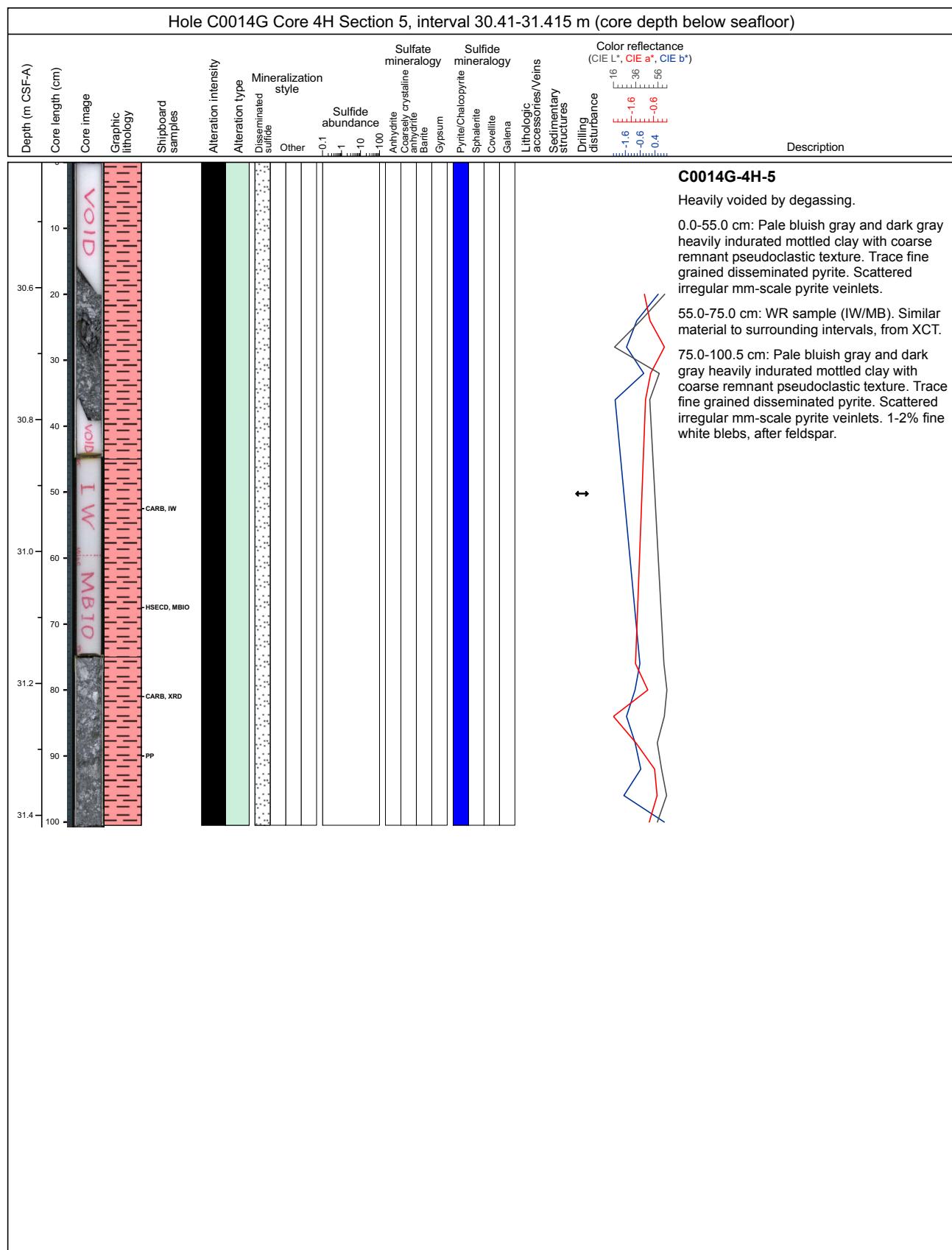
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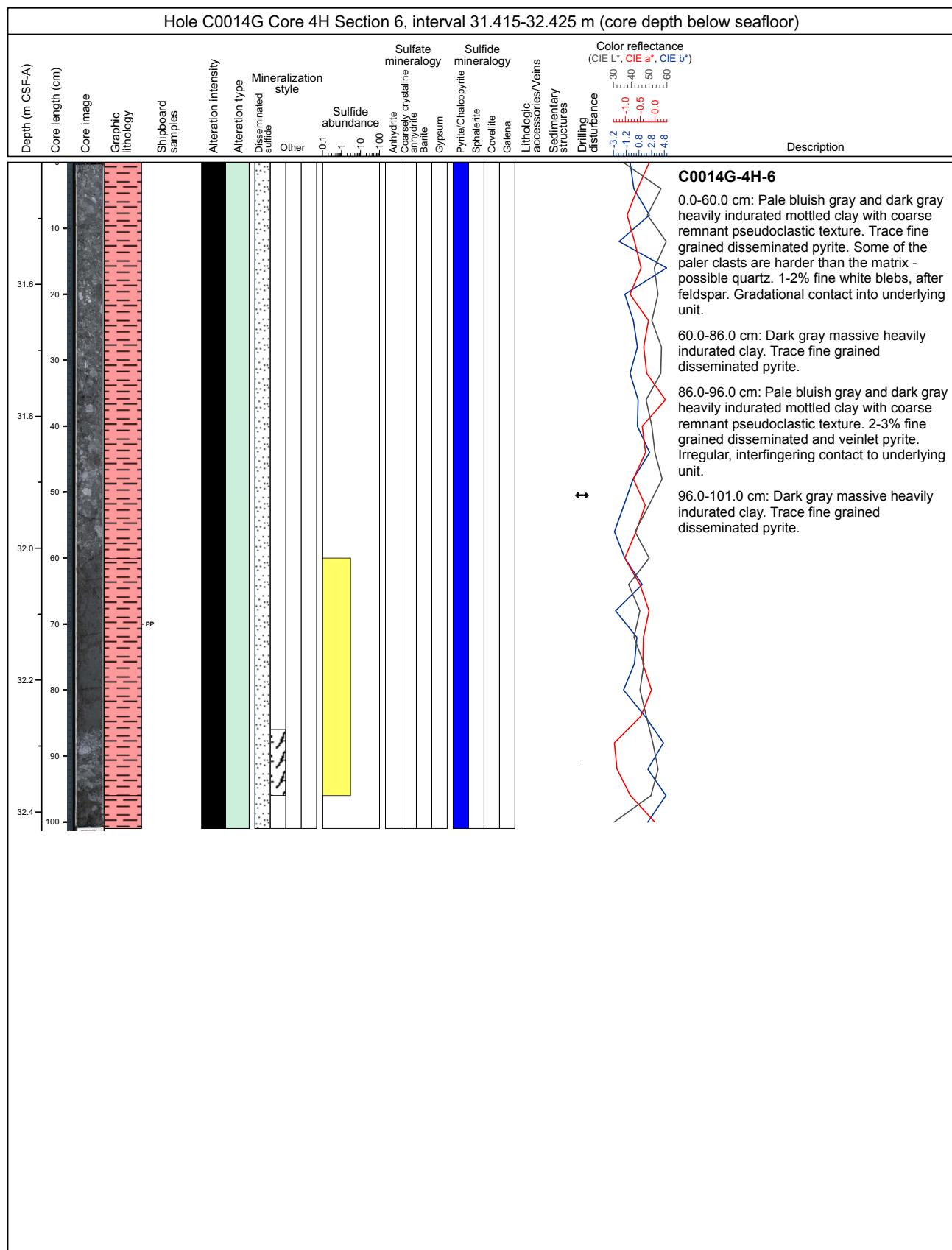
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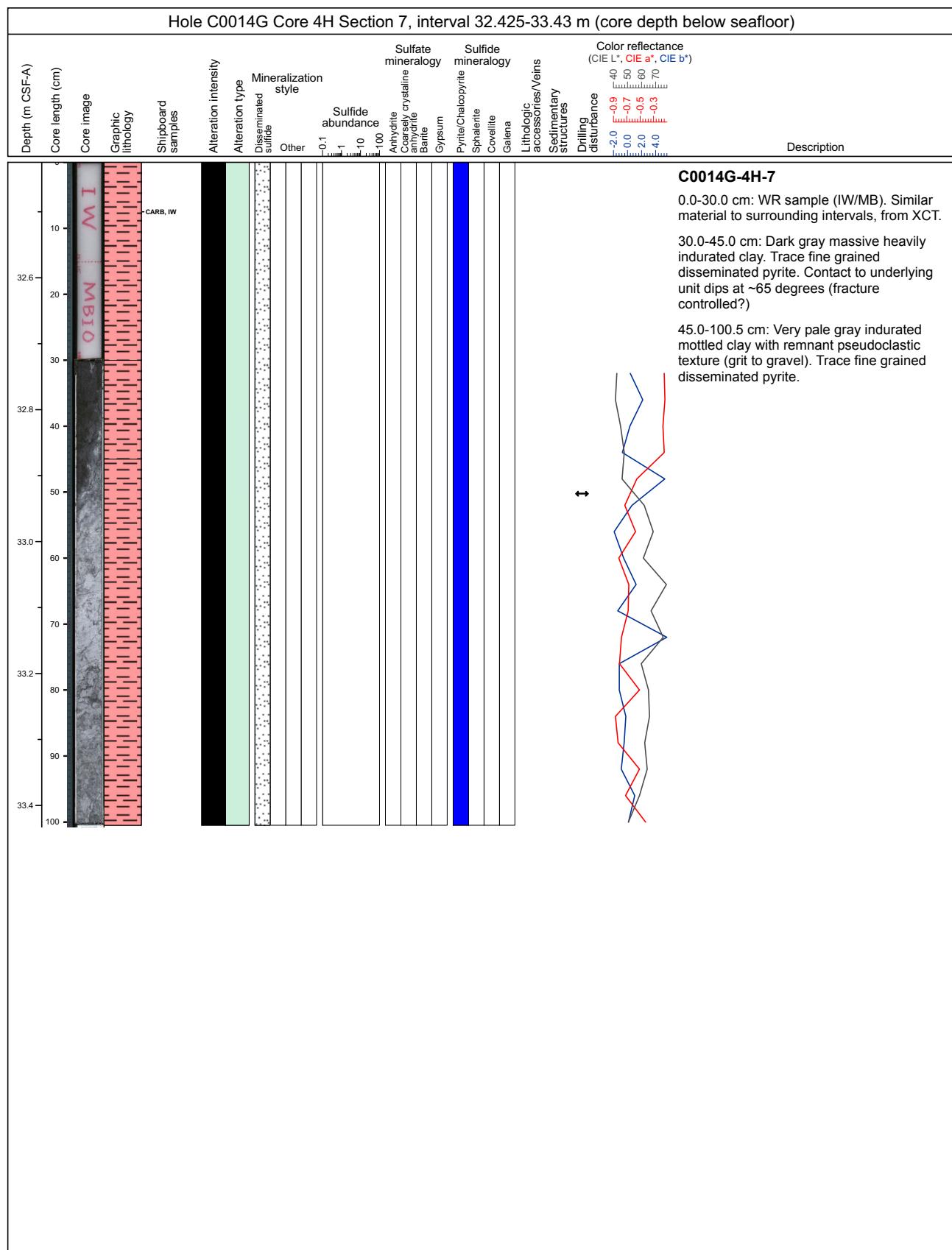
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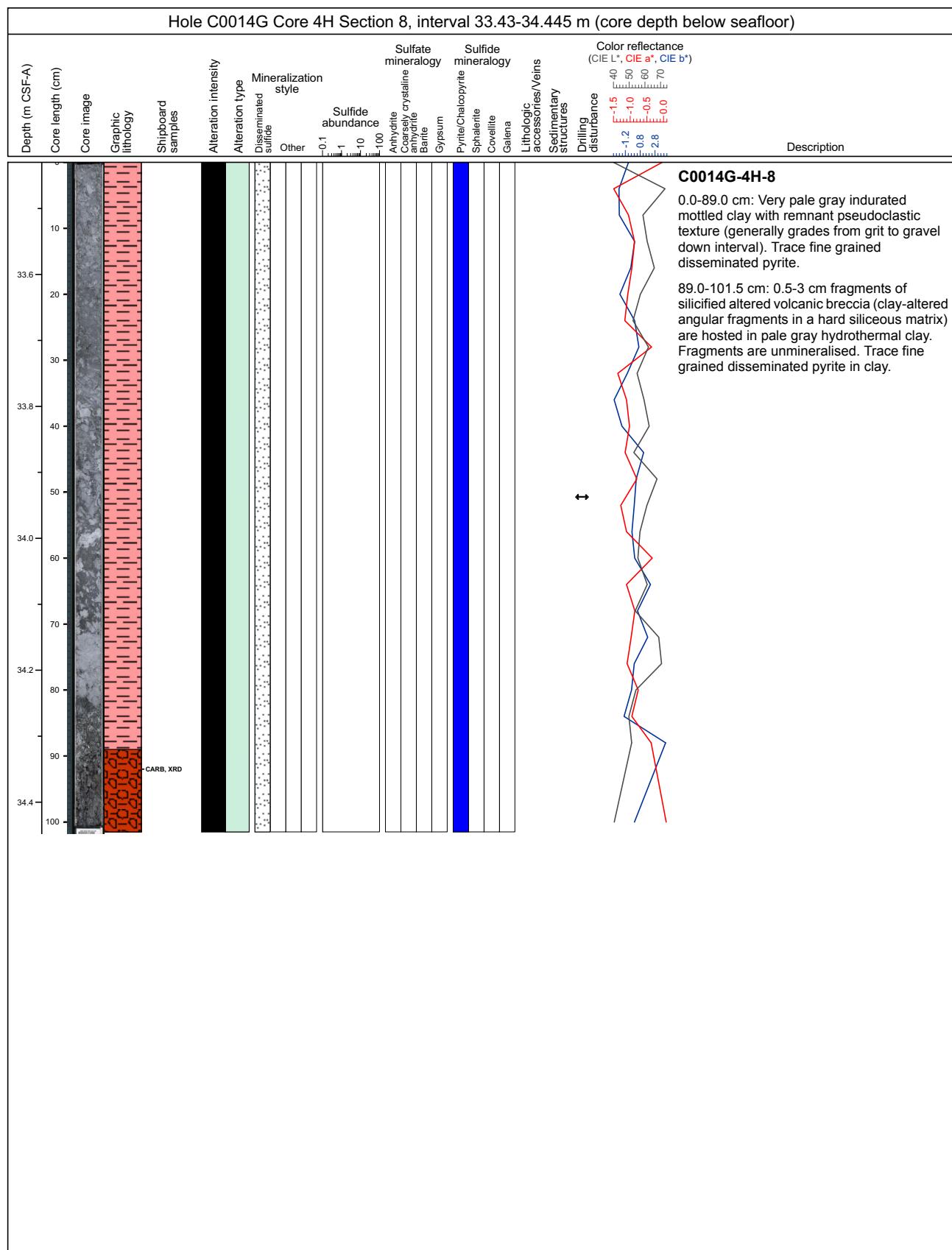
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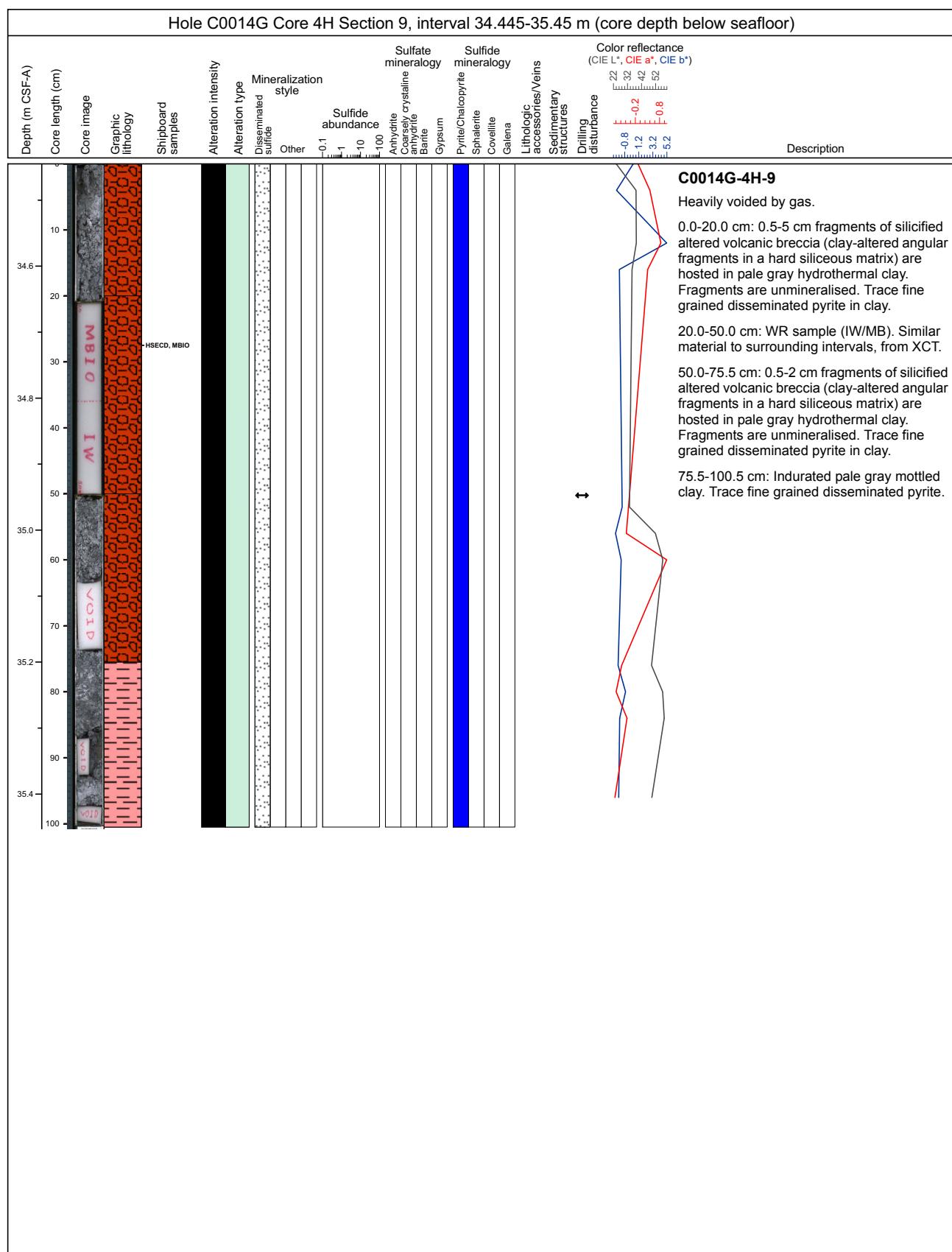
Core Photo



Core Photo



Core Photo



Core Photo

Hole C0014G Core 4H Section 10, interval 35.45-36.455 m (core depth below seafloor)

Depth (m CSF-A)	Core length (cm)	Core image	Graphic lithology	Shipboard samples	Alteration intensity	Mineralization style	Sulfide abundance	Sulfate mineralogy	Sulfide mineralogy	Lithologic accessories/Veins	Sedimentary structures	Drilling disturbance	Color reflectance (CIE L*, CIE a*, CIE b*)	Description
0	6													
10	10													
35.6	30	CARB, IW	M10											
35.8	40													
36.0	50													
36.2	60													
36.4	70													
100	80													
	90													
	100													

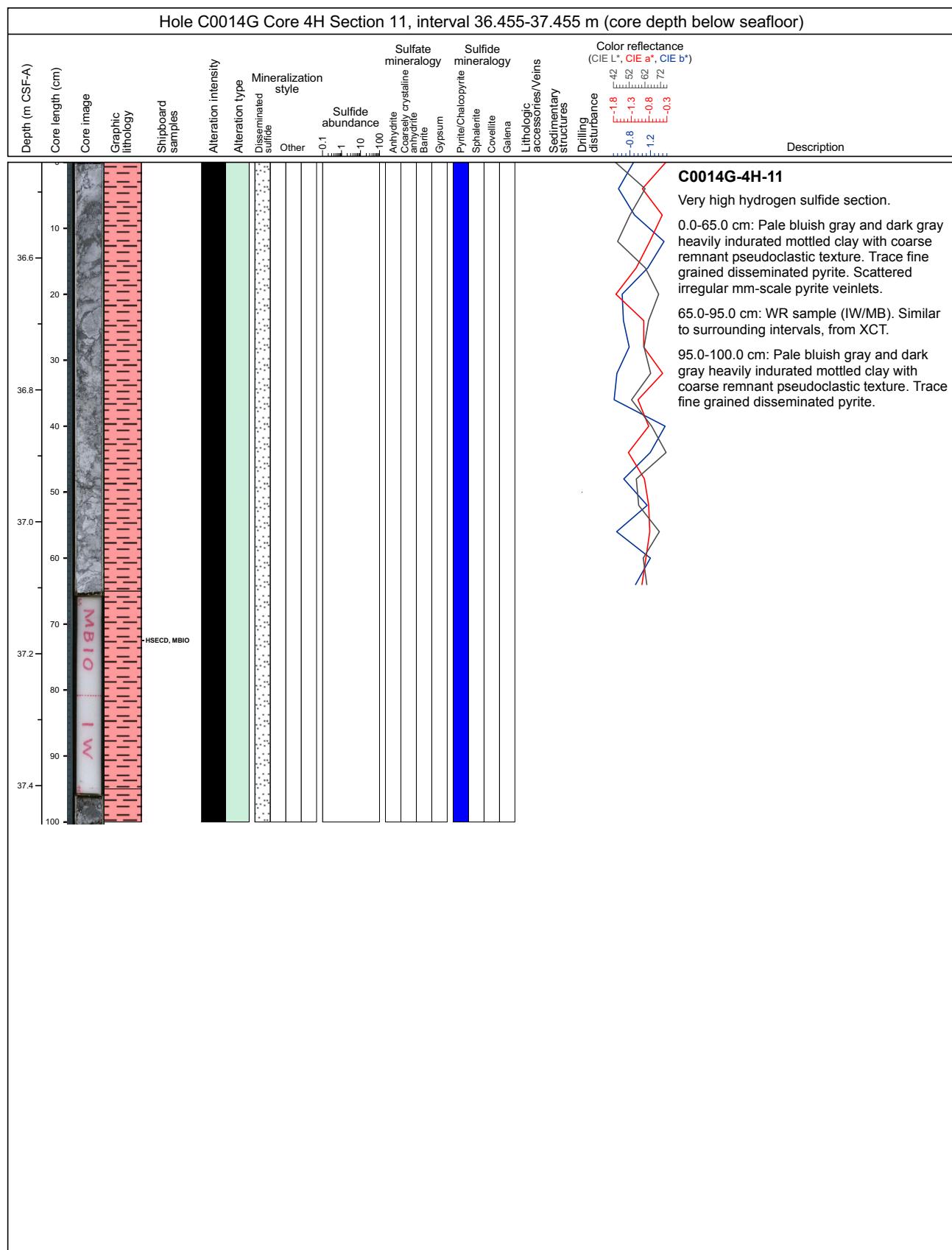
C0014G-4H-10

Very high hydrogen sulfide section.

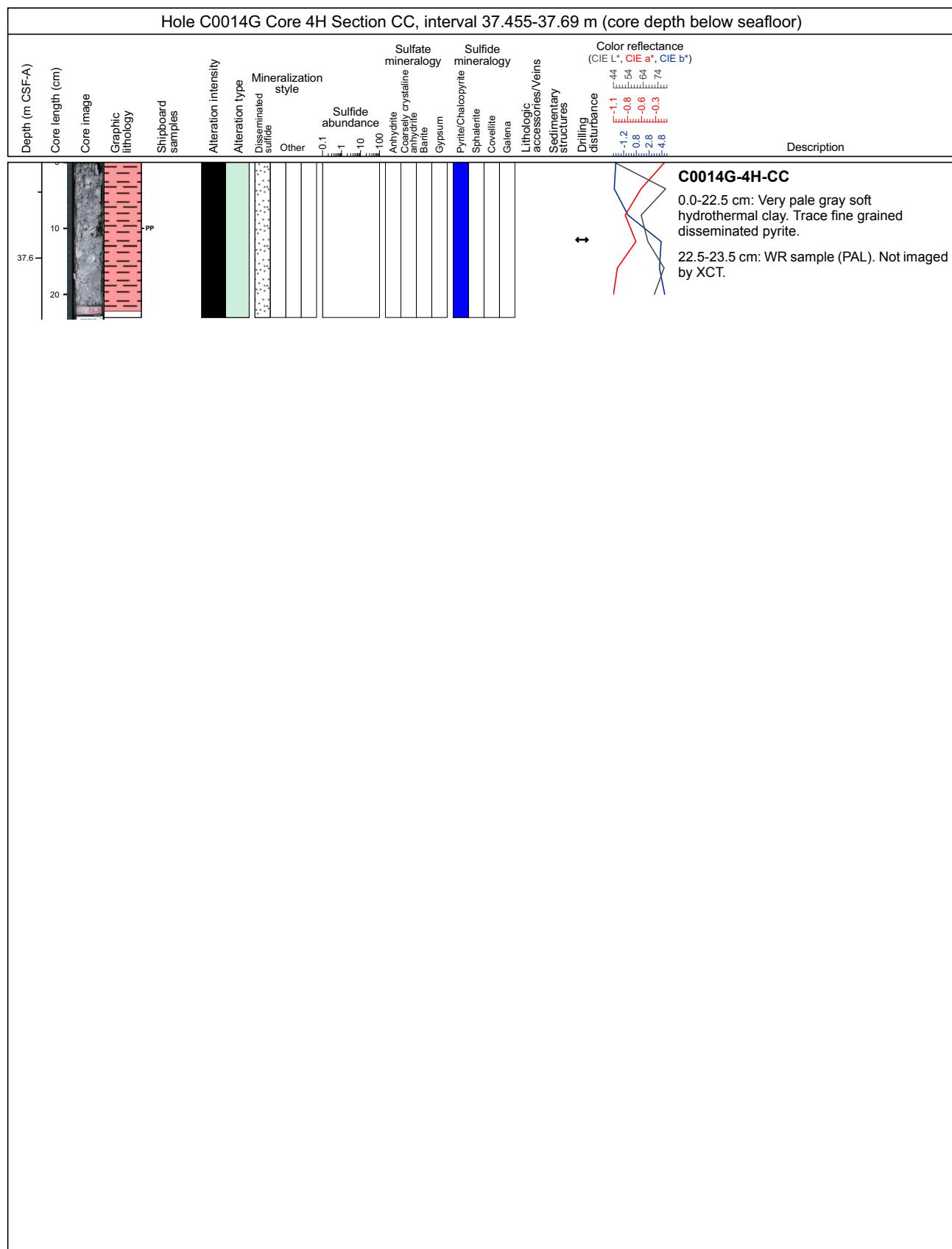
0.0-30.0 cm: WR sample (IW/MB). Similar material to underlying interval, from XCT.

30.0-100.5 cm: Pale bluish gray and dark gray heavily indurated mottled clay with coarse remnant pseudoclastic texture. Trace fine grained disseminated pyrite. Scattered irregular mm-scale pyrite veinlets.

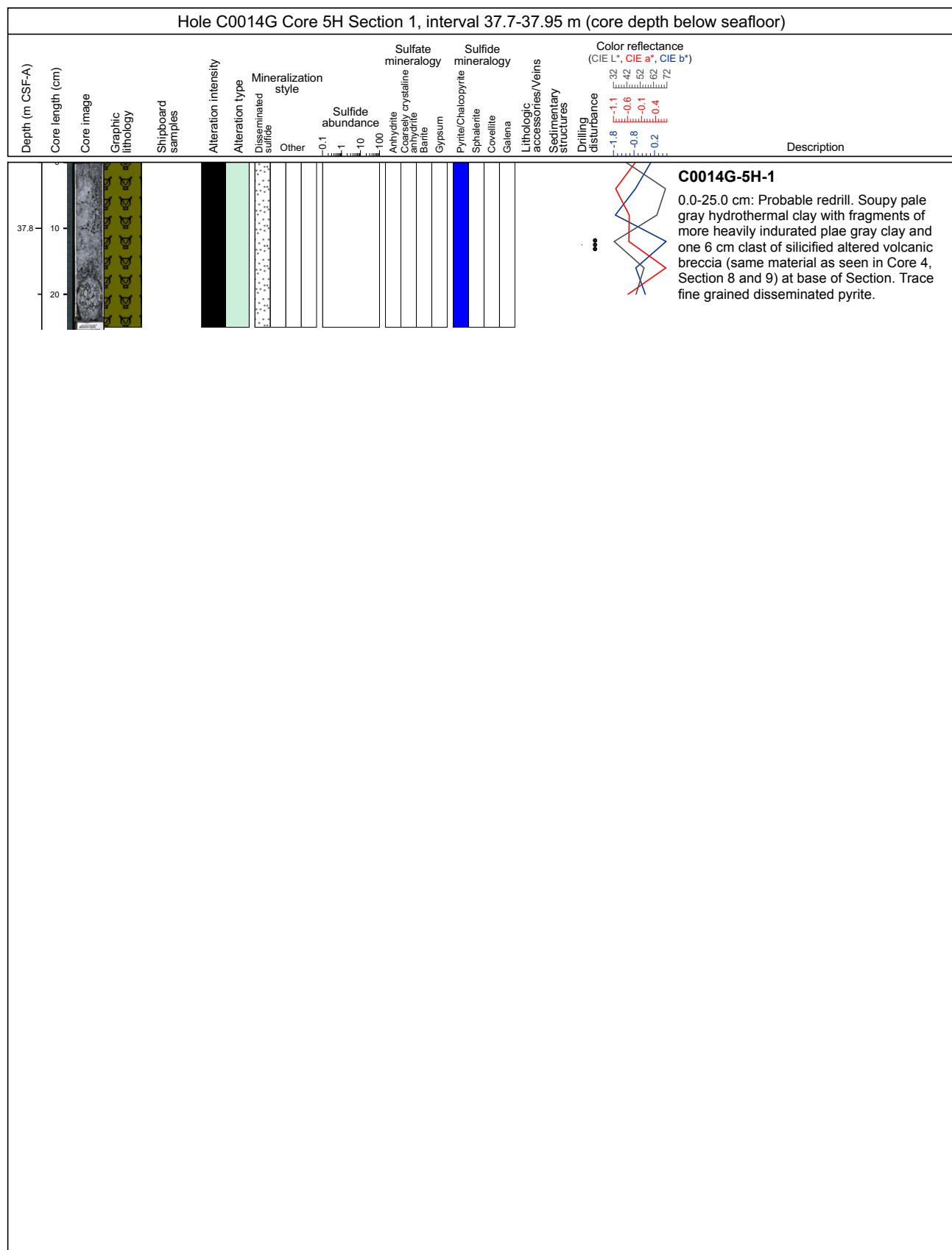
Core Photo



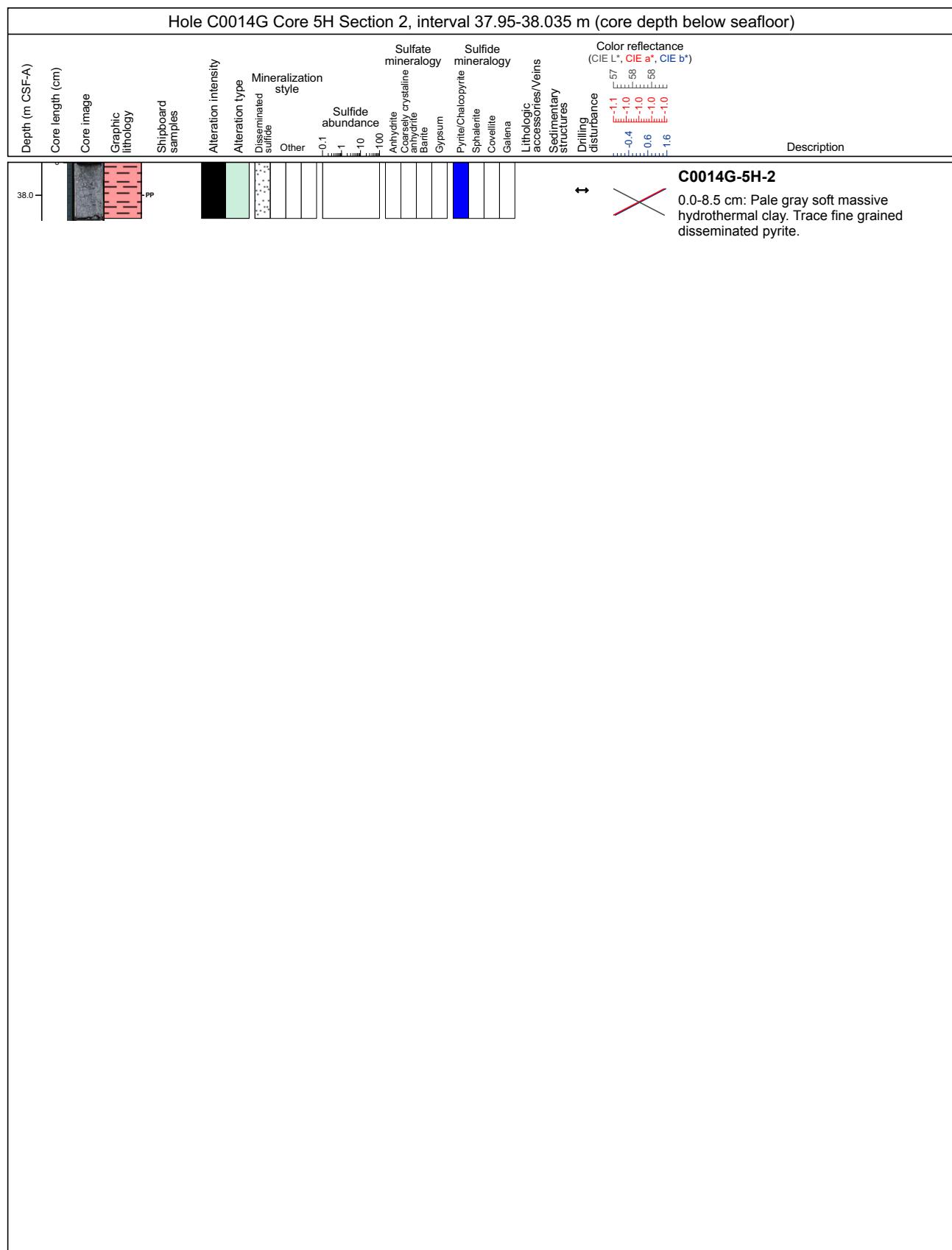
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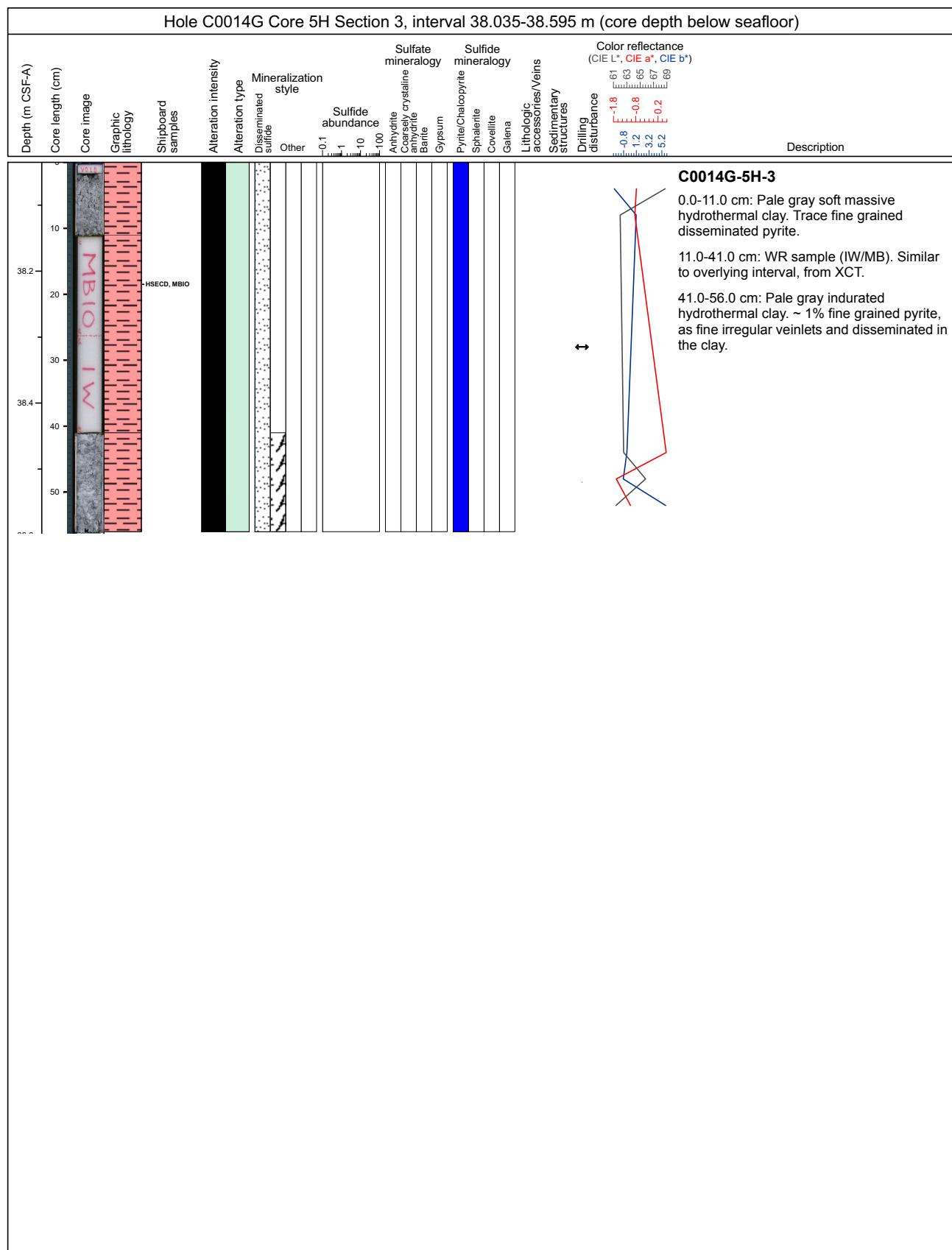
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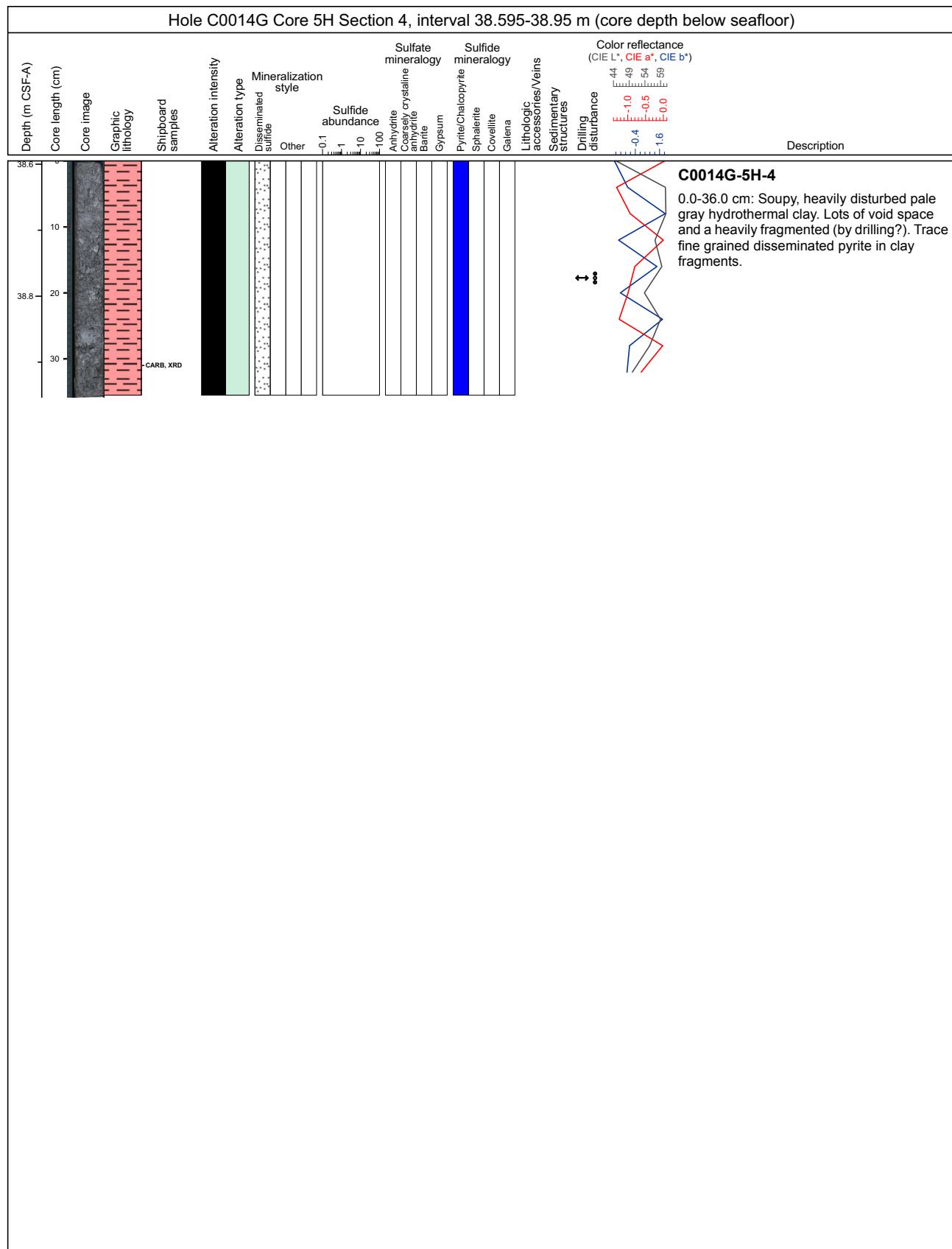
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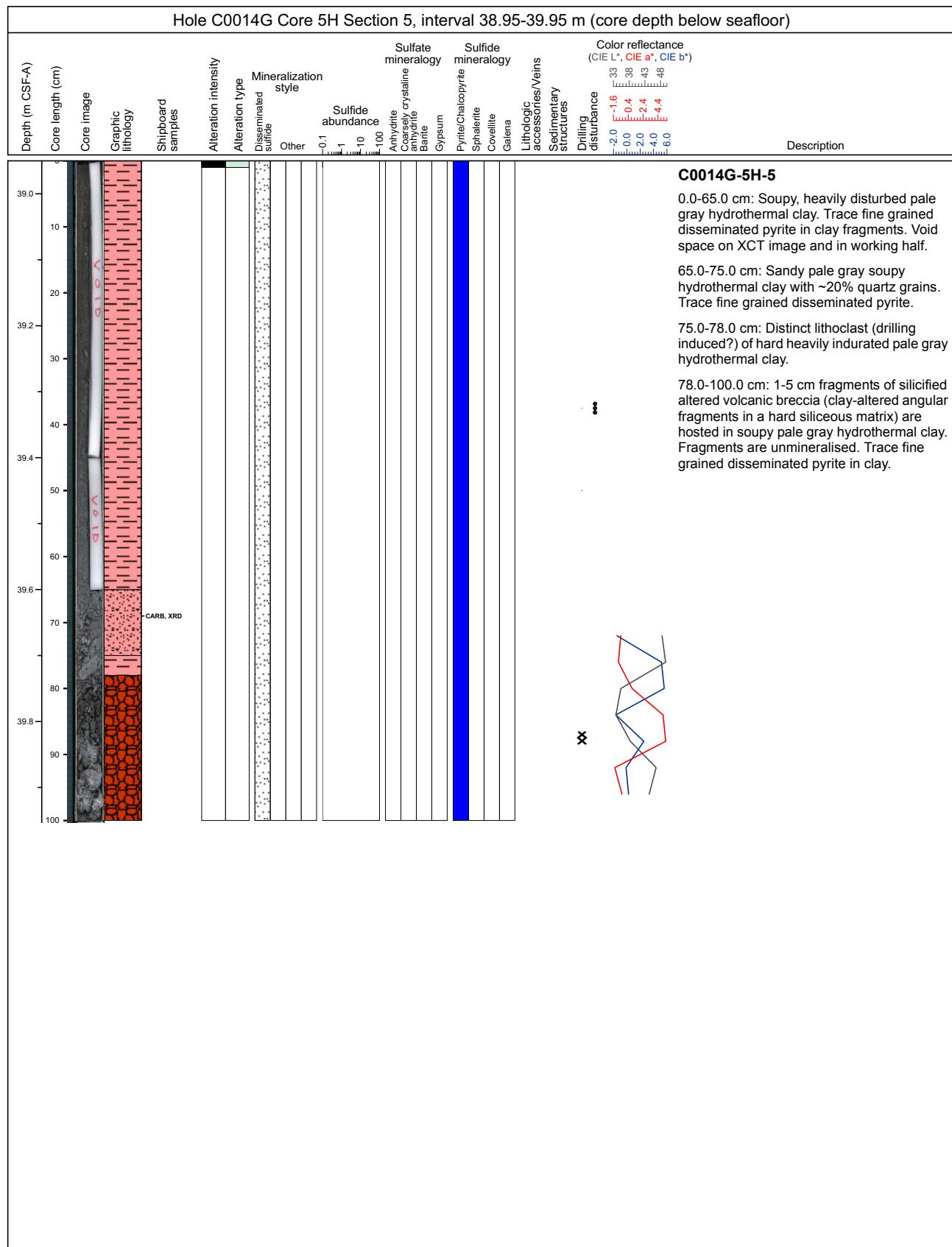
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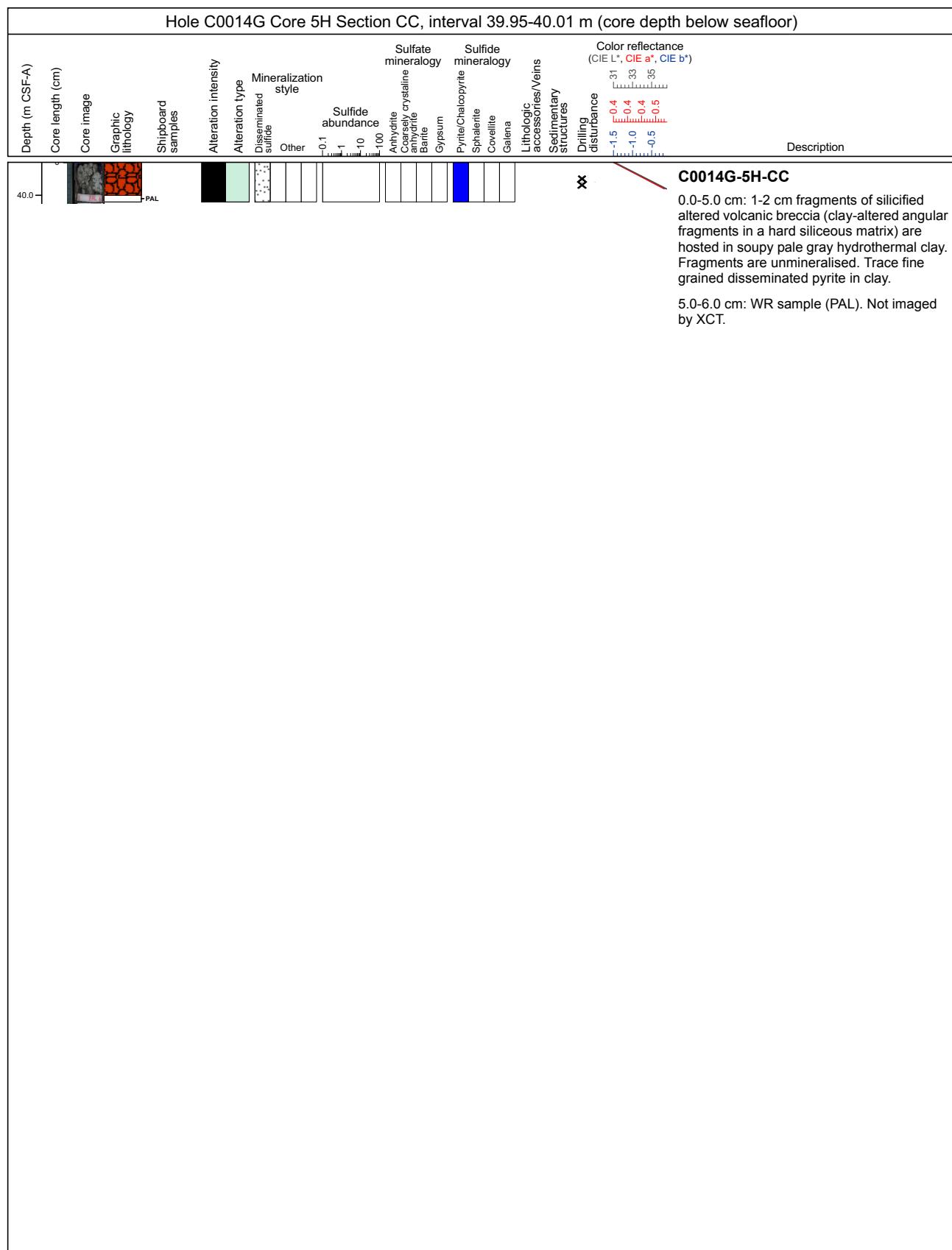
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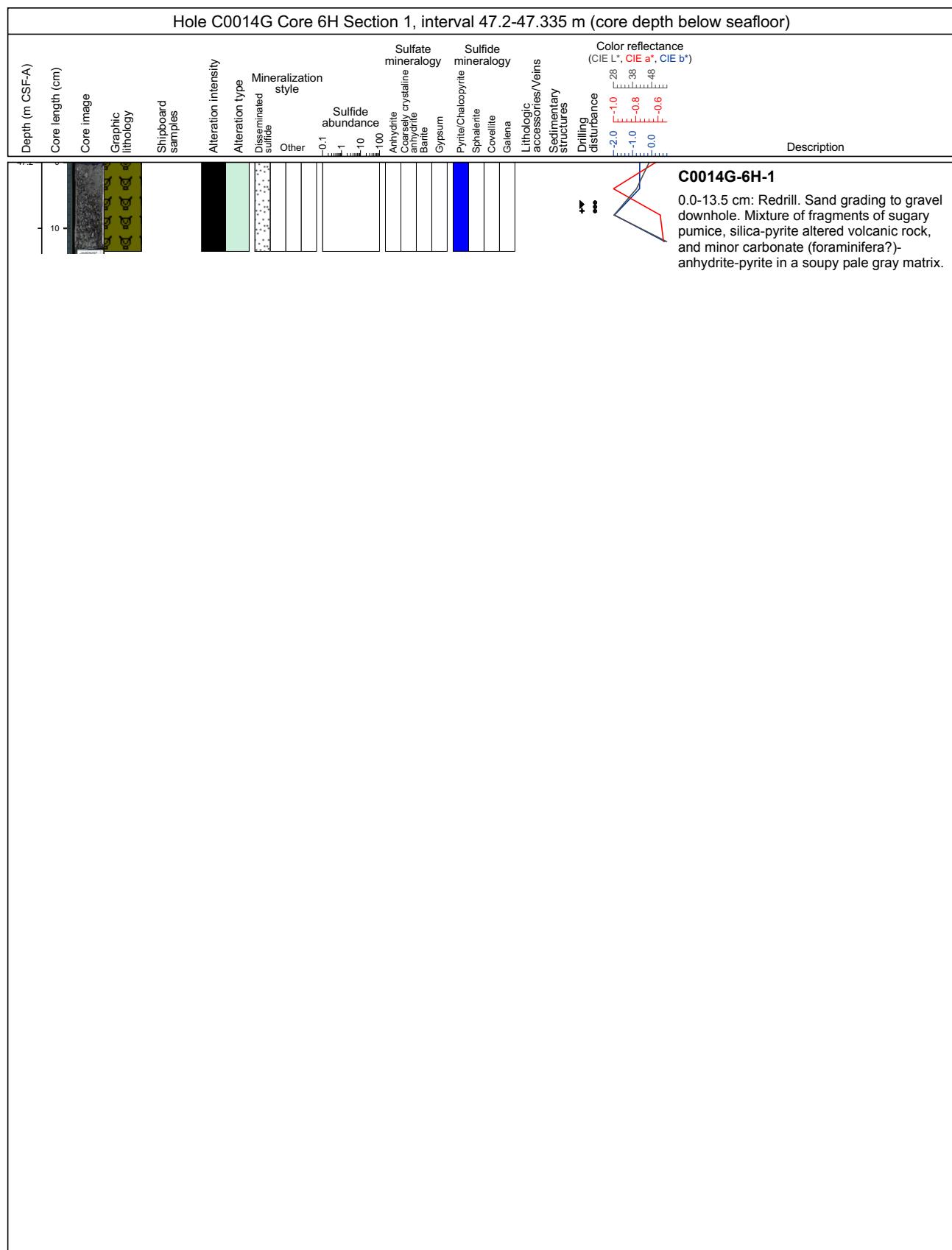
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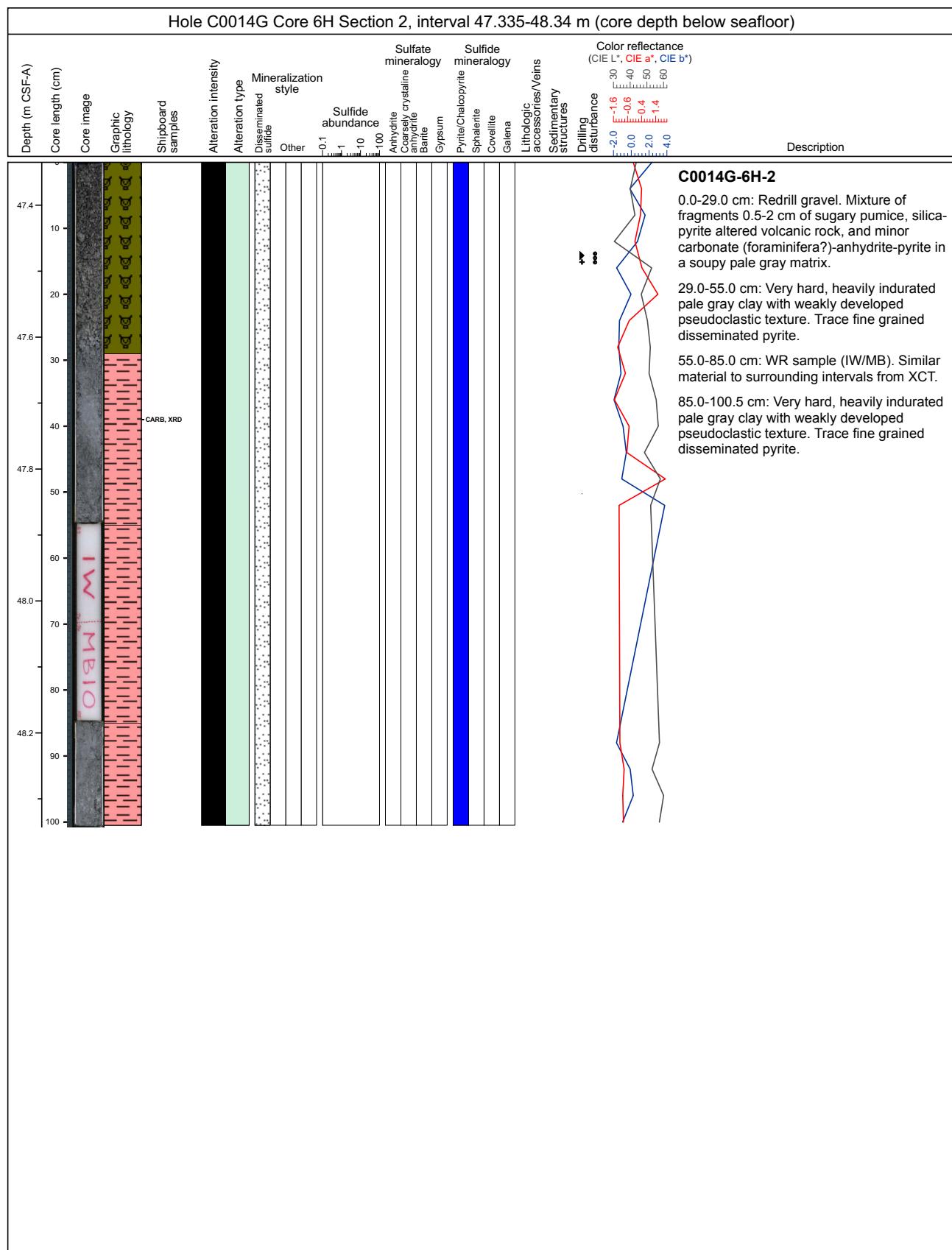
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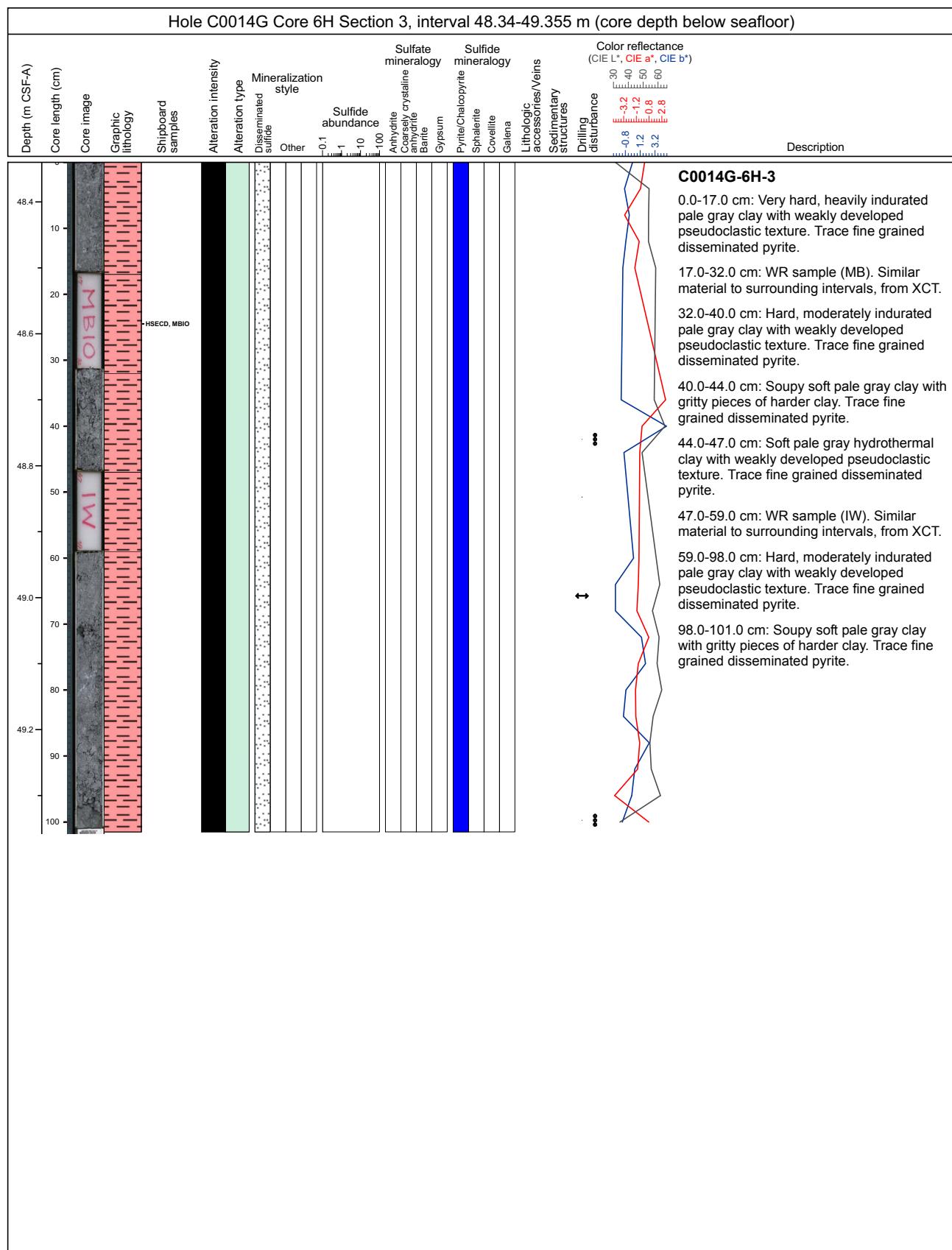
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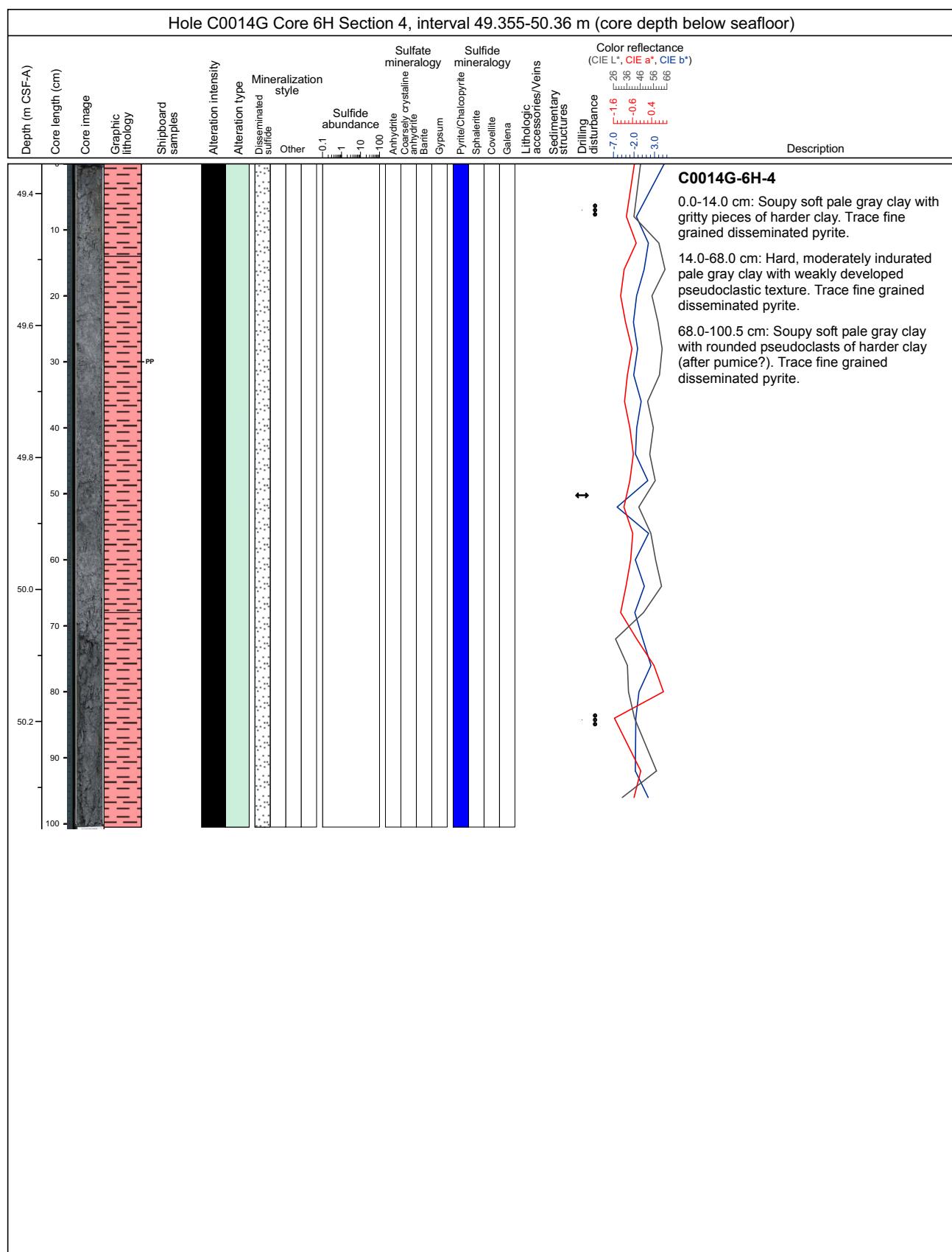
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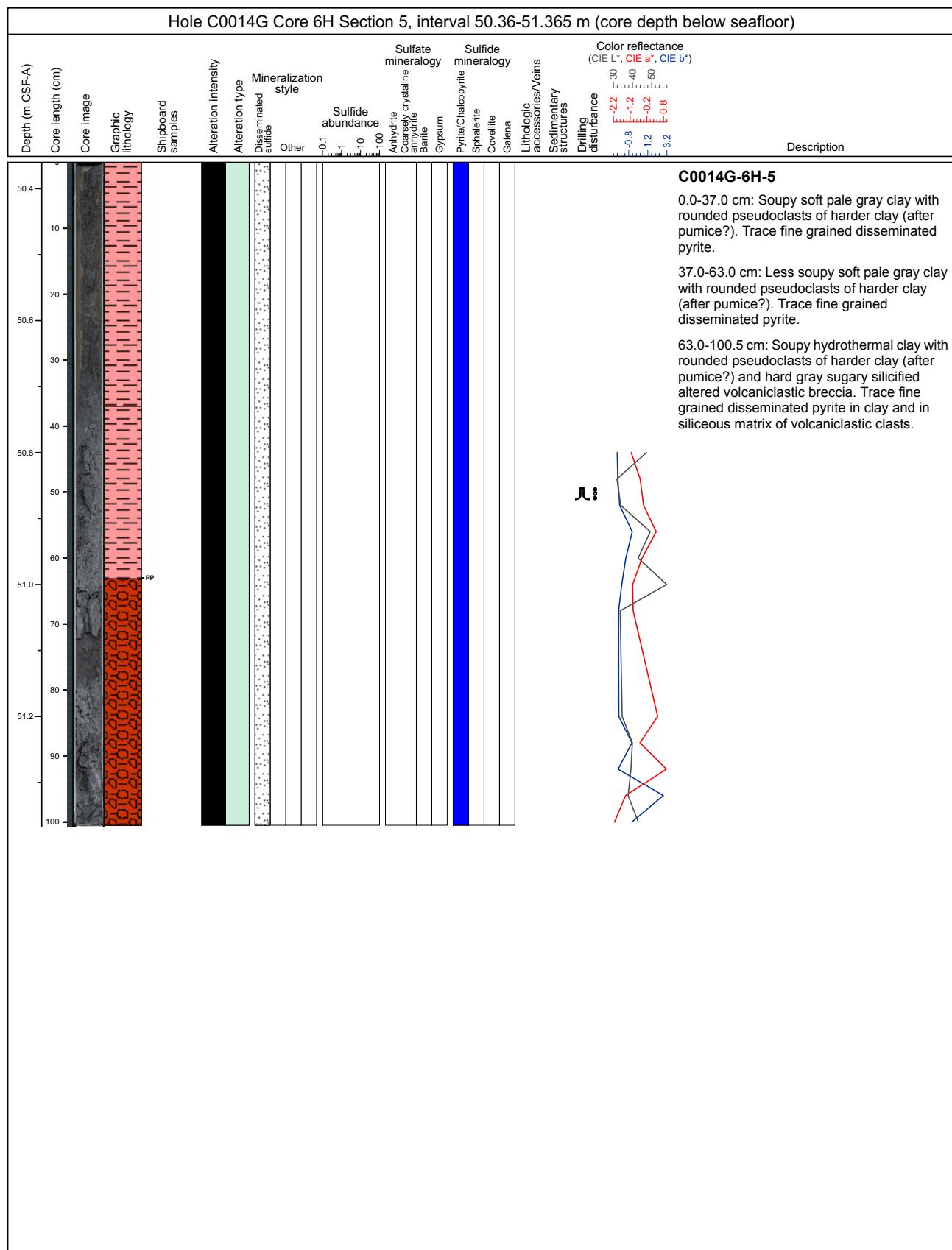
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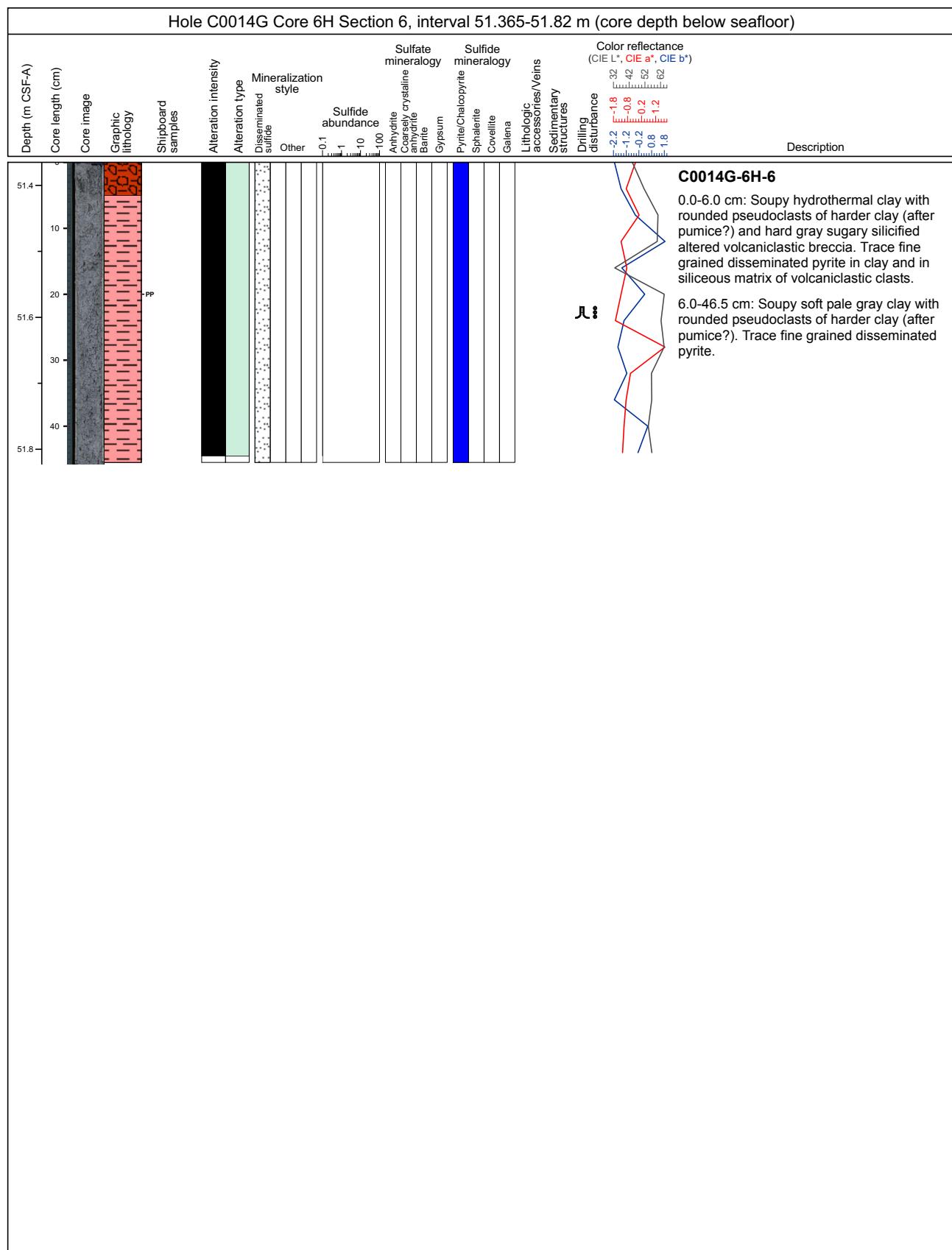
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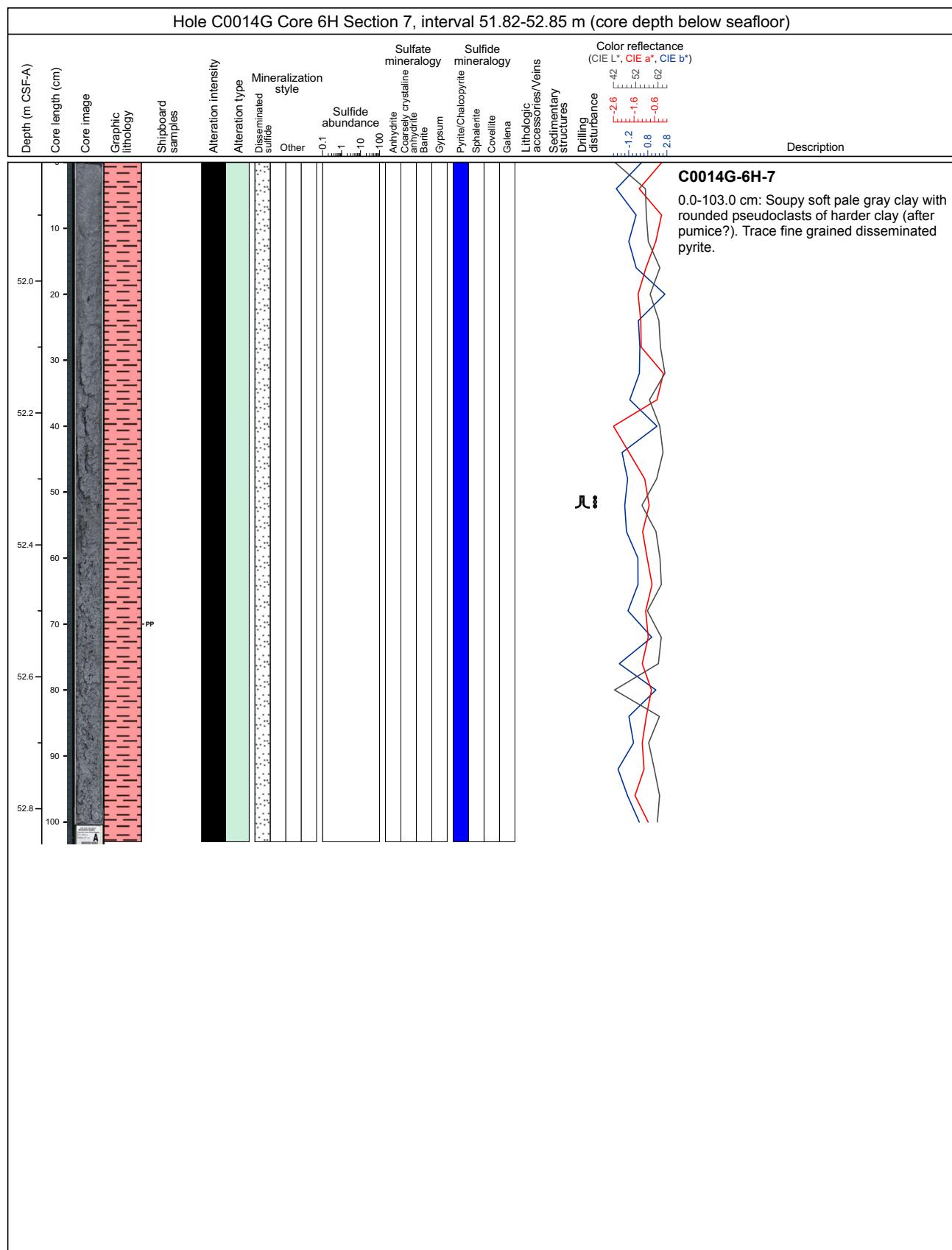
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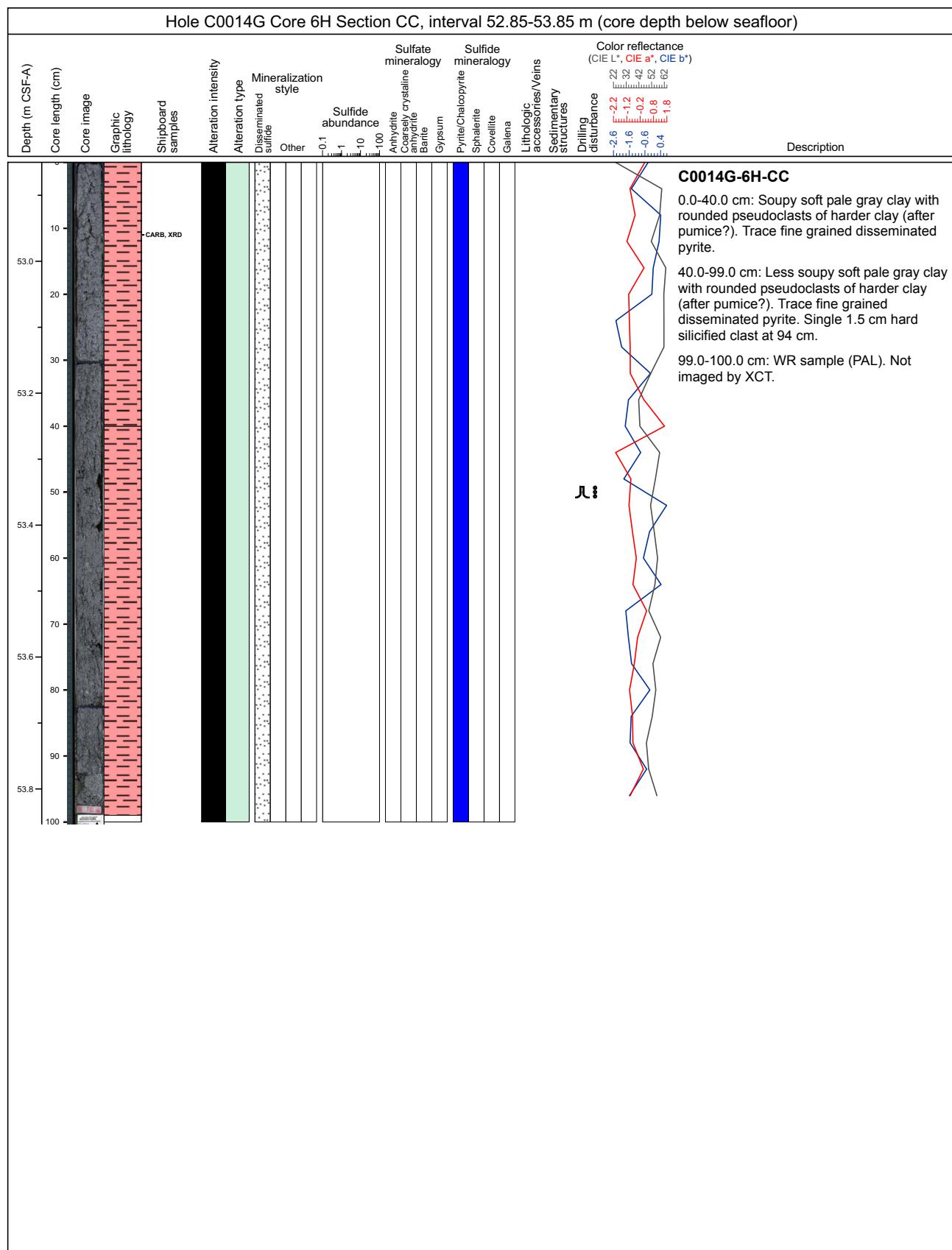
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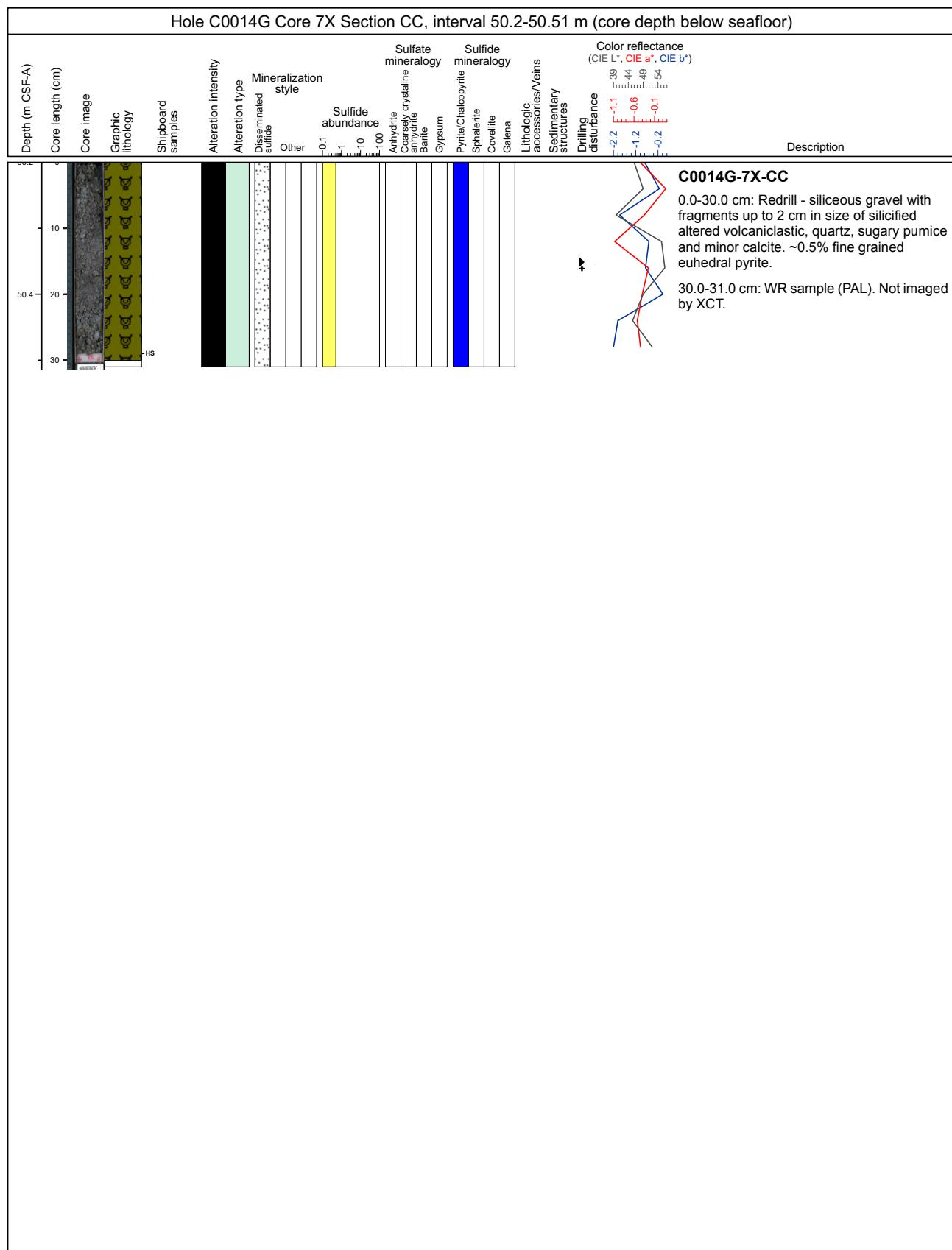
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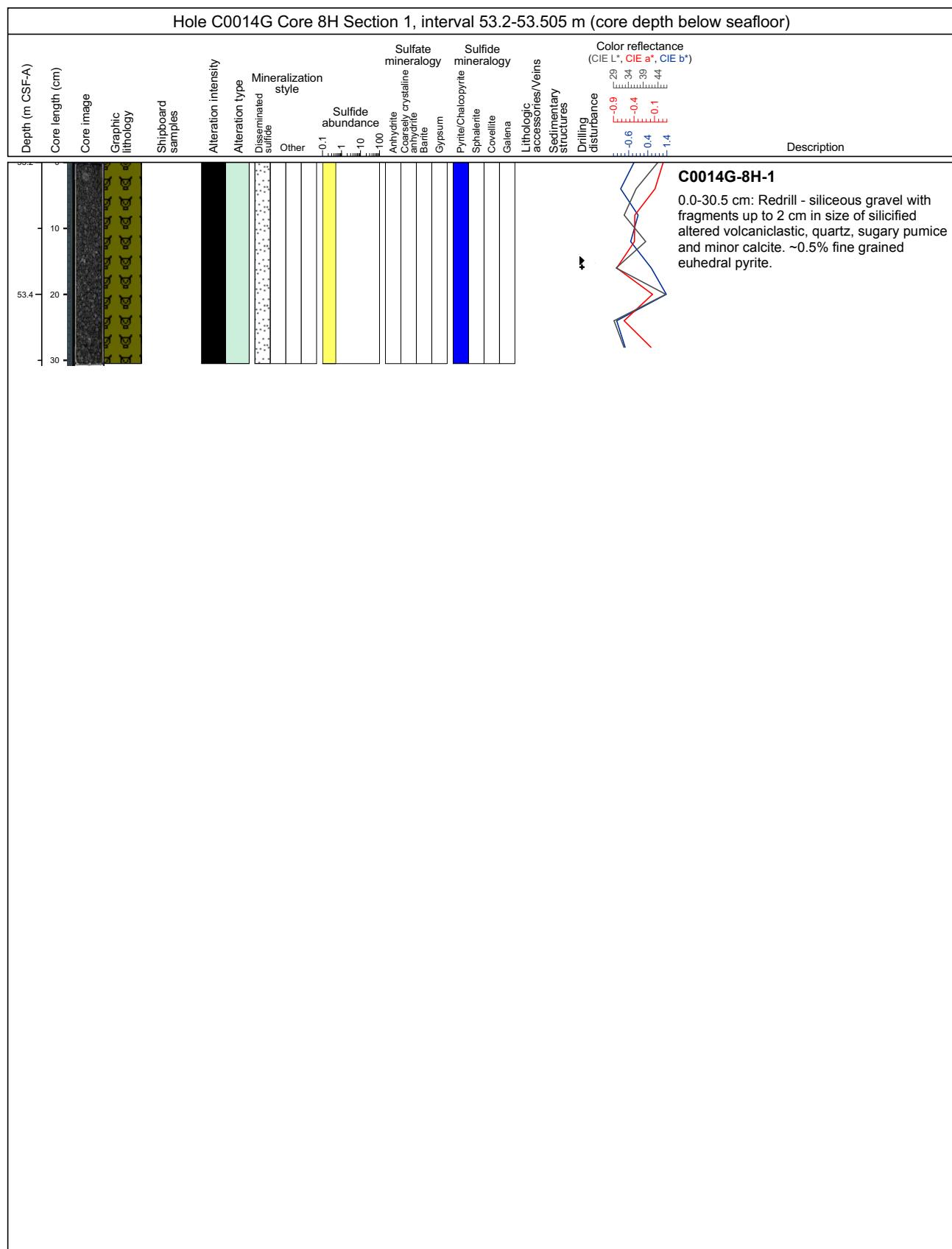
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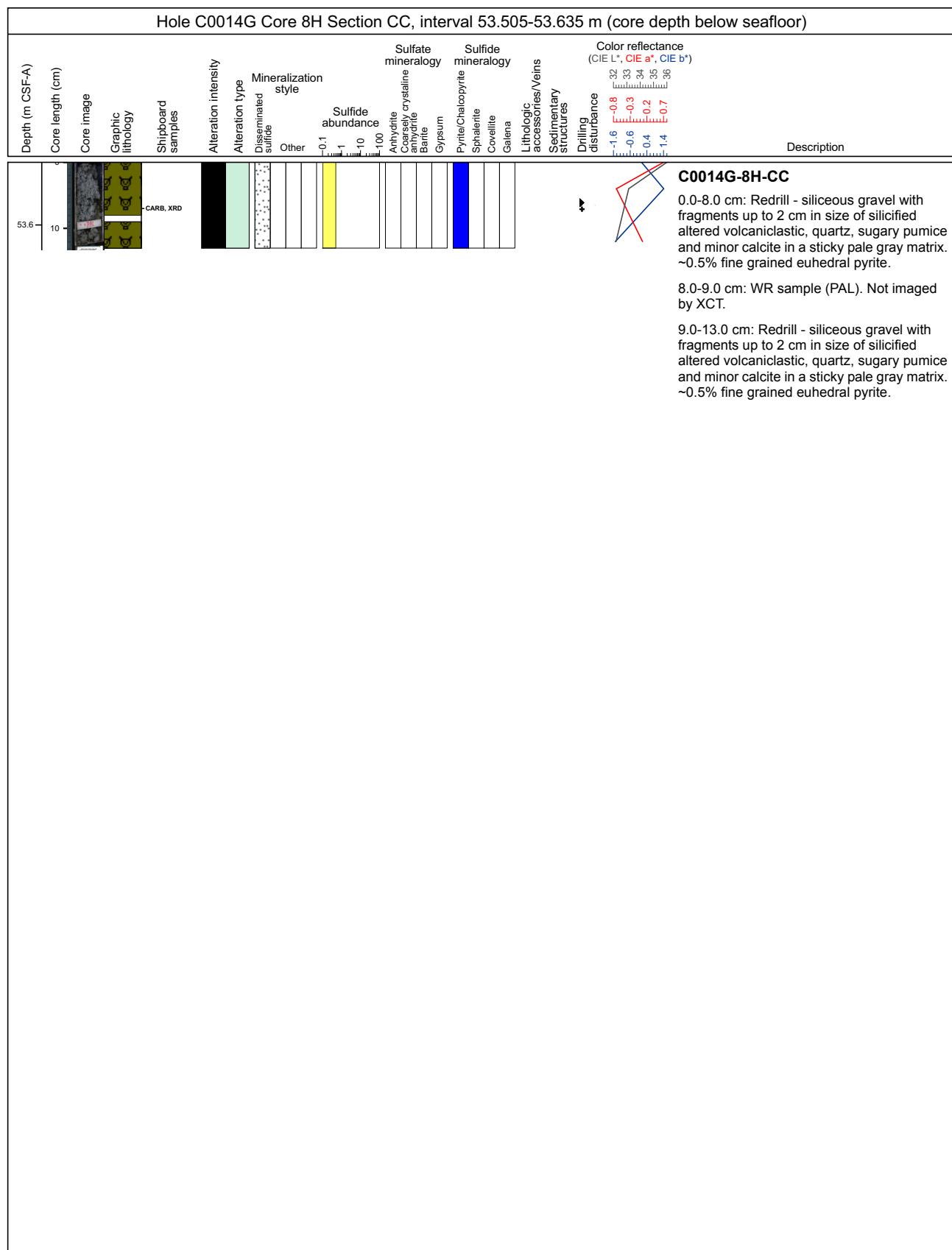
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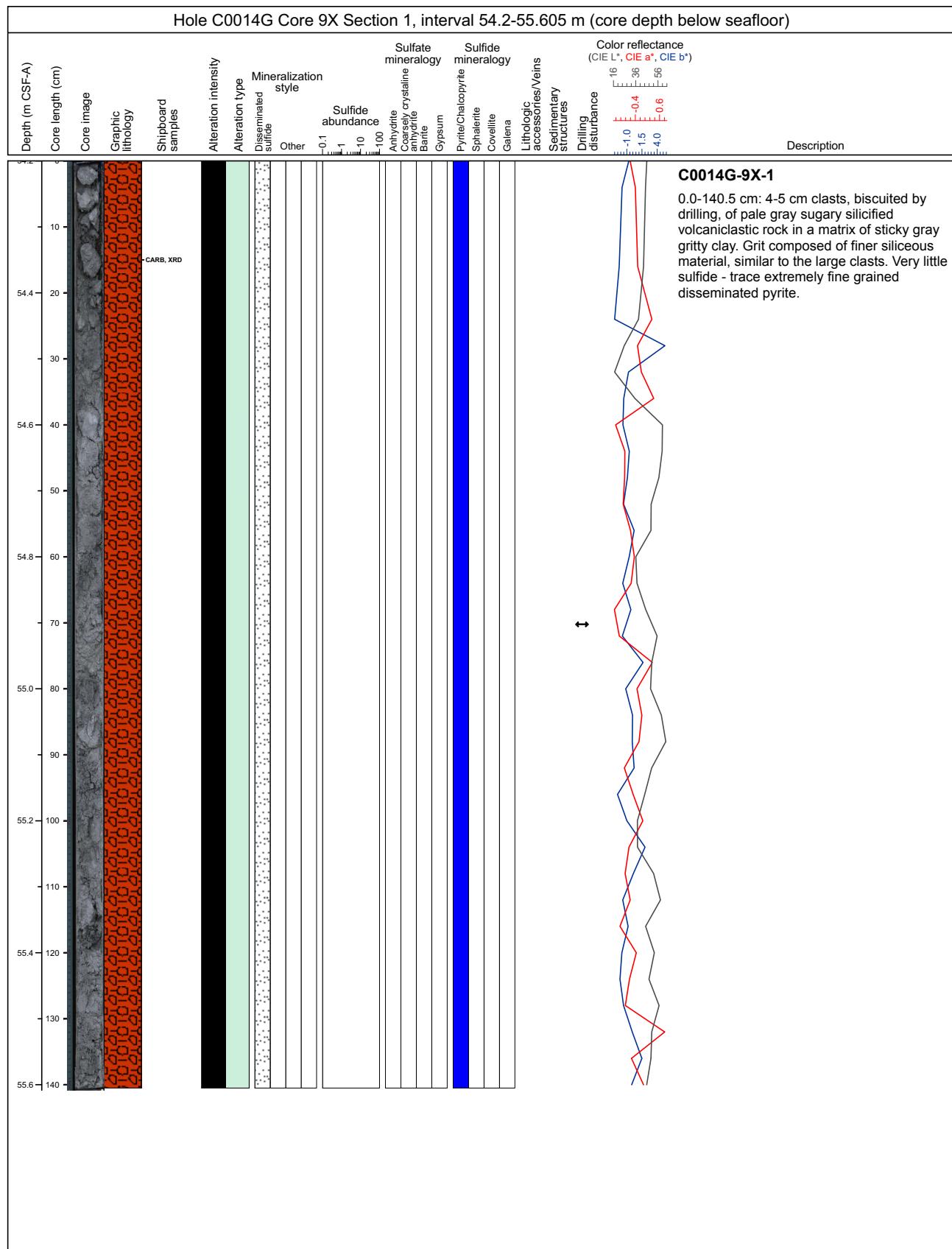
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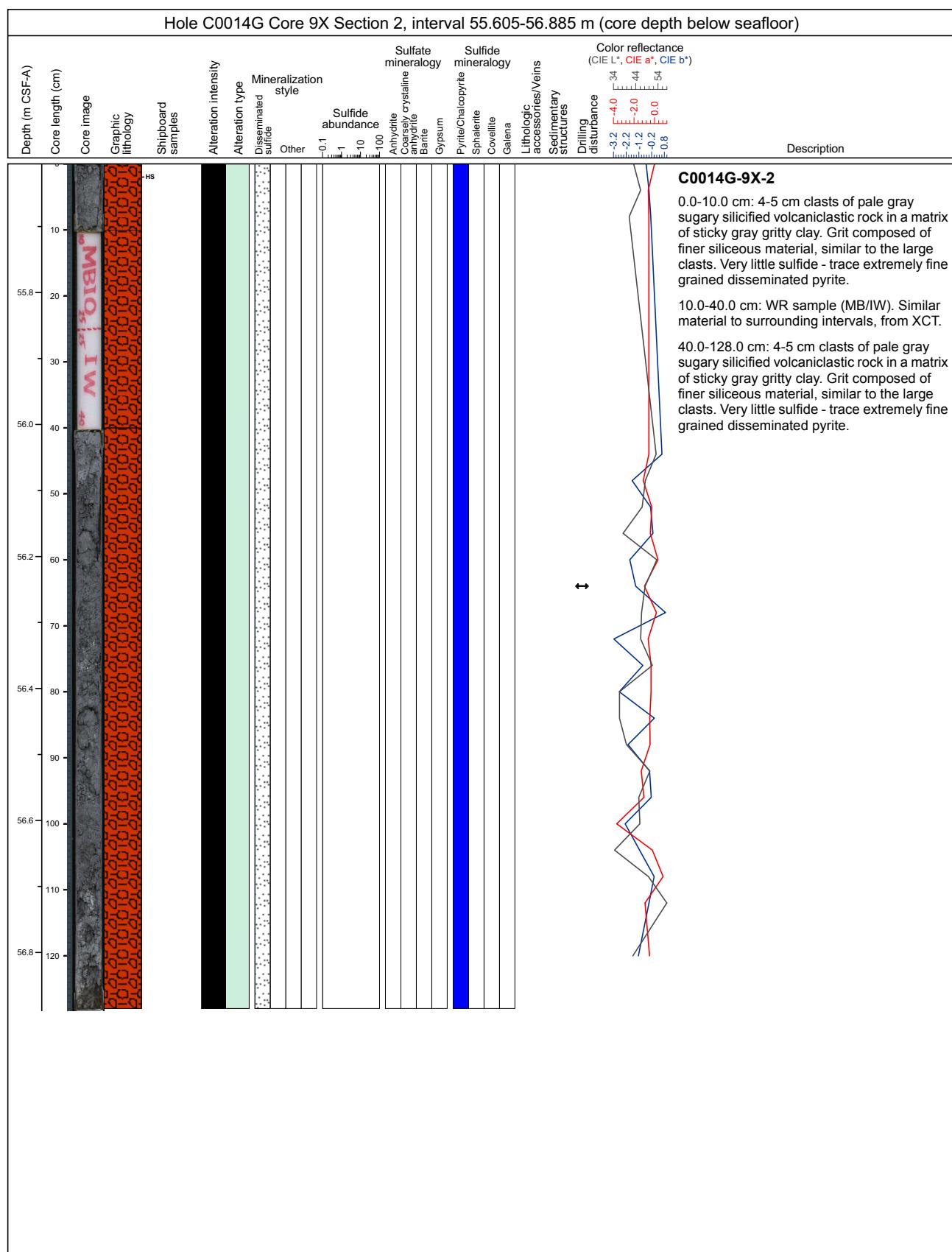
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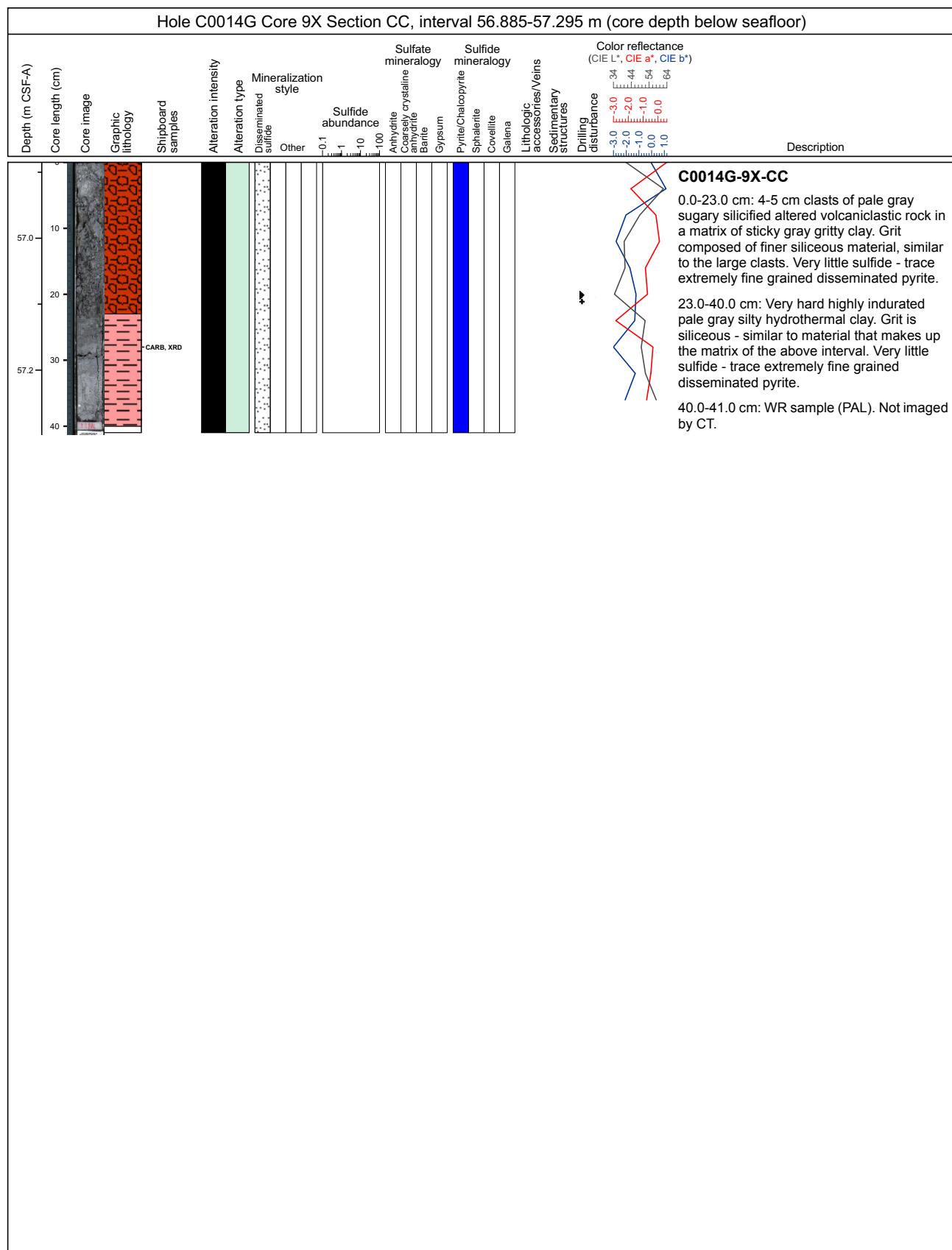
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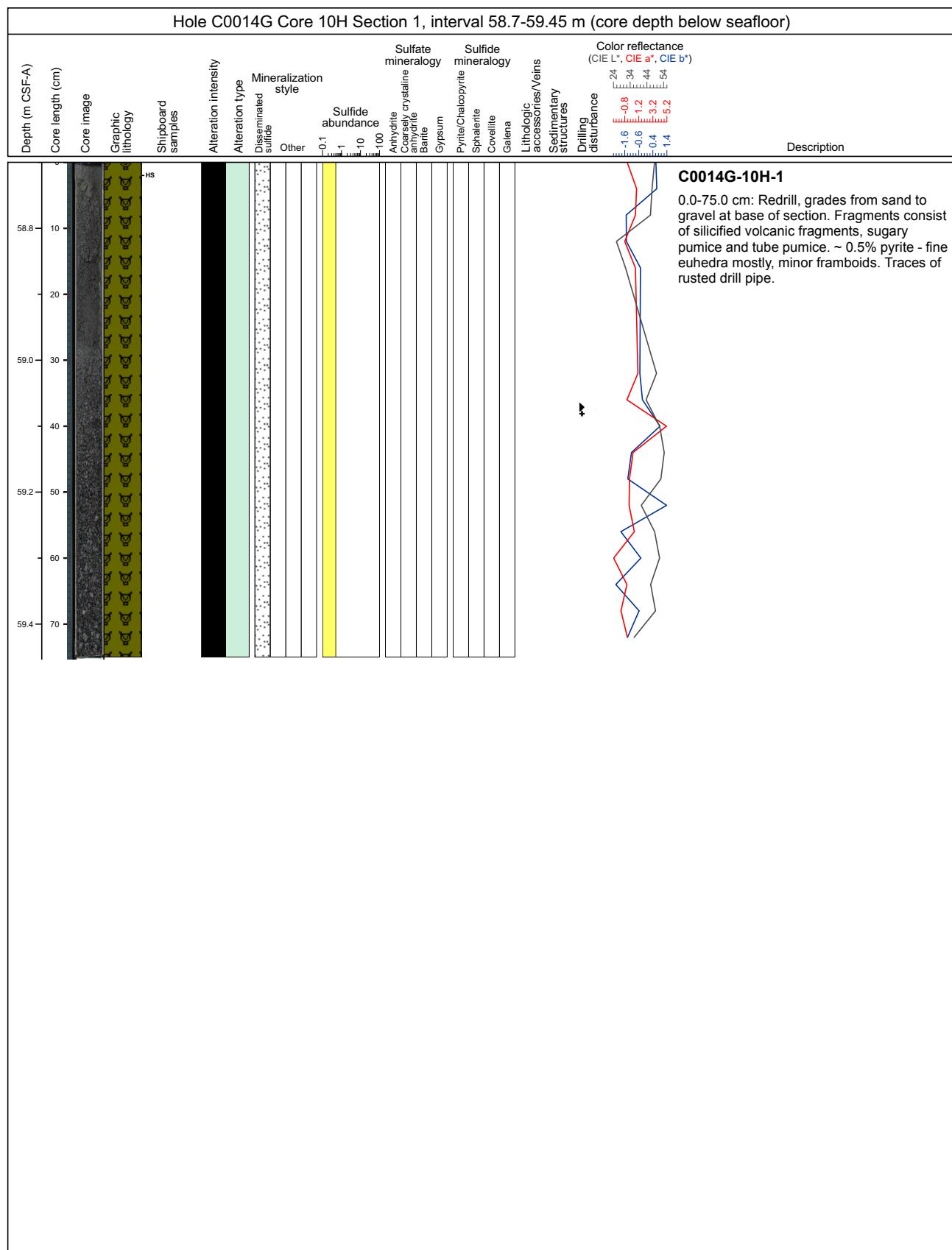
Core Photo



Core Photo



Core Photo

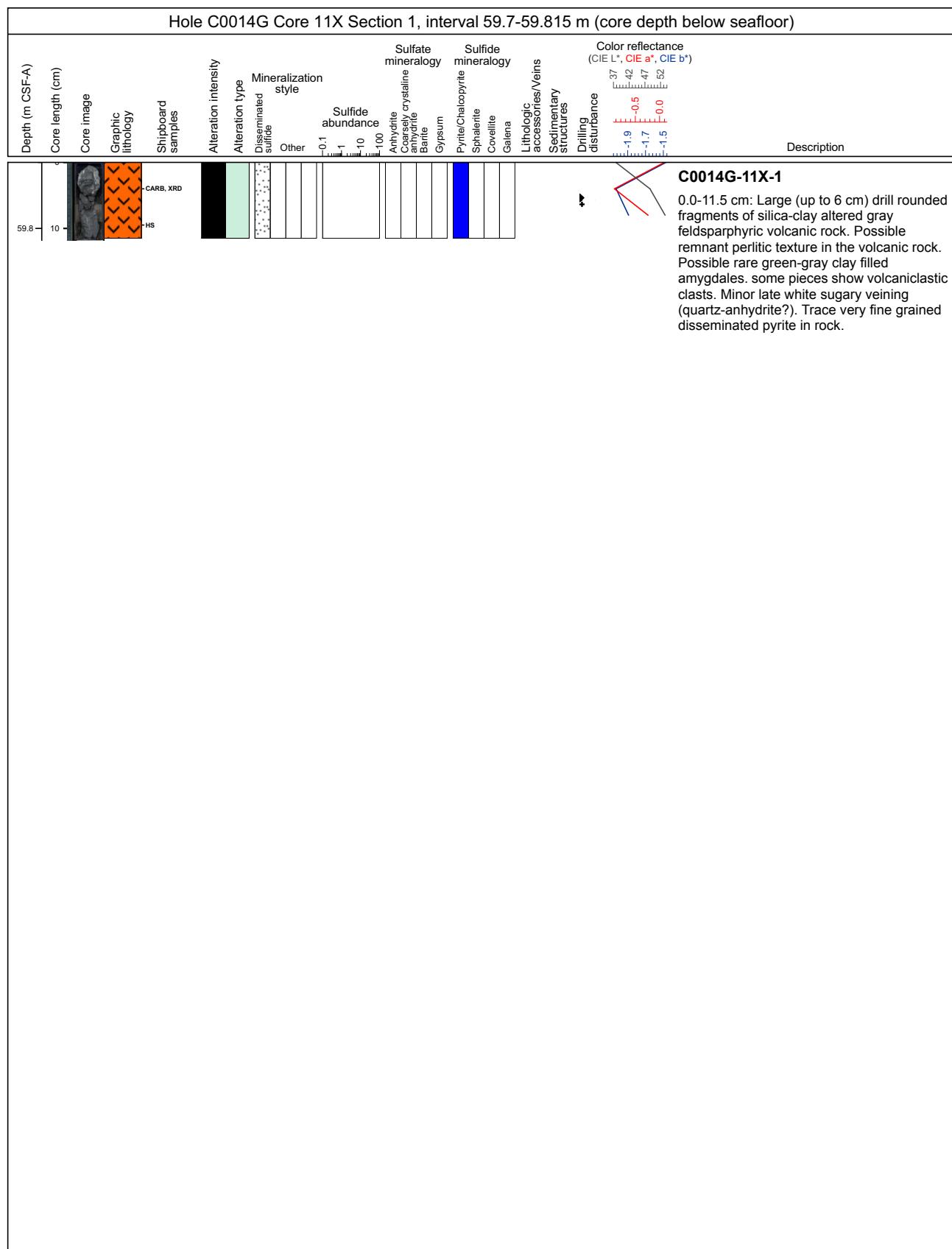


Core Photo

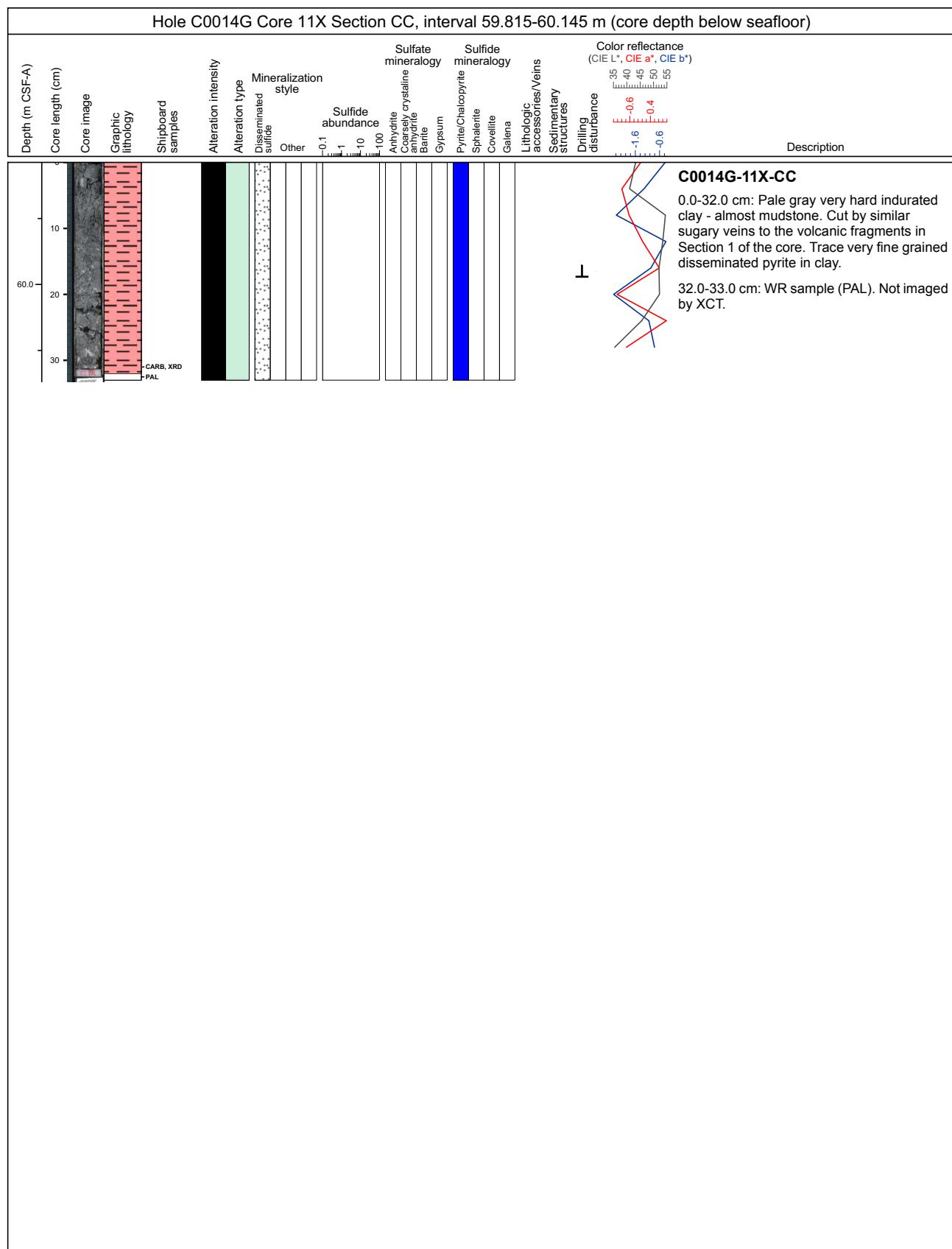
Hole C0014G Core 10H Section CC, interval 59.45-59.54 m (core depth below seafloor)														
Depth (m CSF-A)	Core length (cm)	Graphic lithology	Shipboard samples	Alteration intensity	Mineralization style	Sulfate mineralogy	Sulfide mineralogy	Lithologic accessories/Veins	Sedimentary structures	Drilling disturbance	Color reflectance (CIE L*, CIE a*, CIE b*)		Description	
7.0	1.0	-CARB, XRD												C0014G-10H-CC
7.0-8.0	1.0													0.0-8.0 cm: Rounded (drilling milled) fragments of hard gray sugary partially devitrified volcanic rock. Very little sulfide - trace very fine disseminated pyrite.
8.0-9.0	1.0													8.0-9.0 cm: WR sample (PAL). Not imaged by XCT.



Core Photo



Core Photo

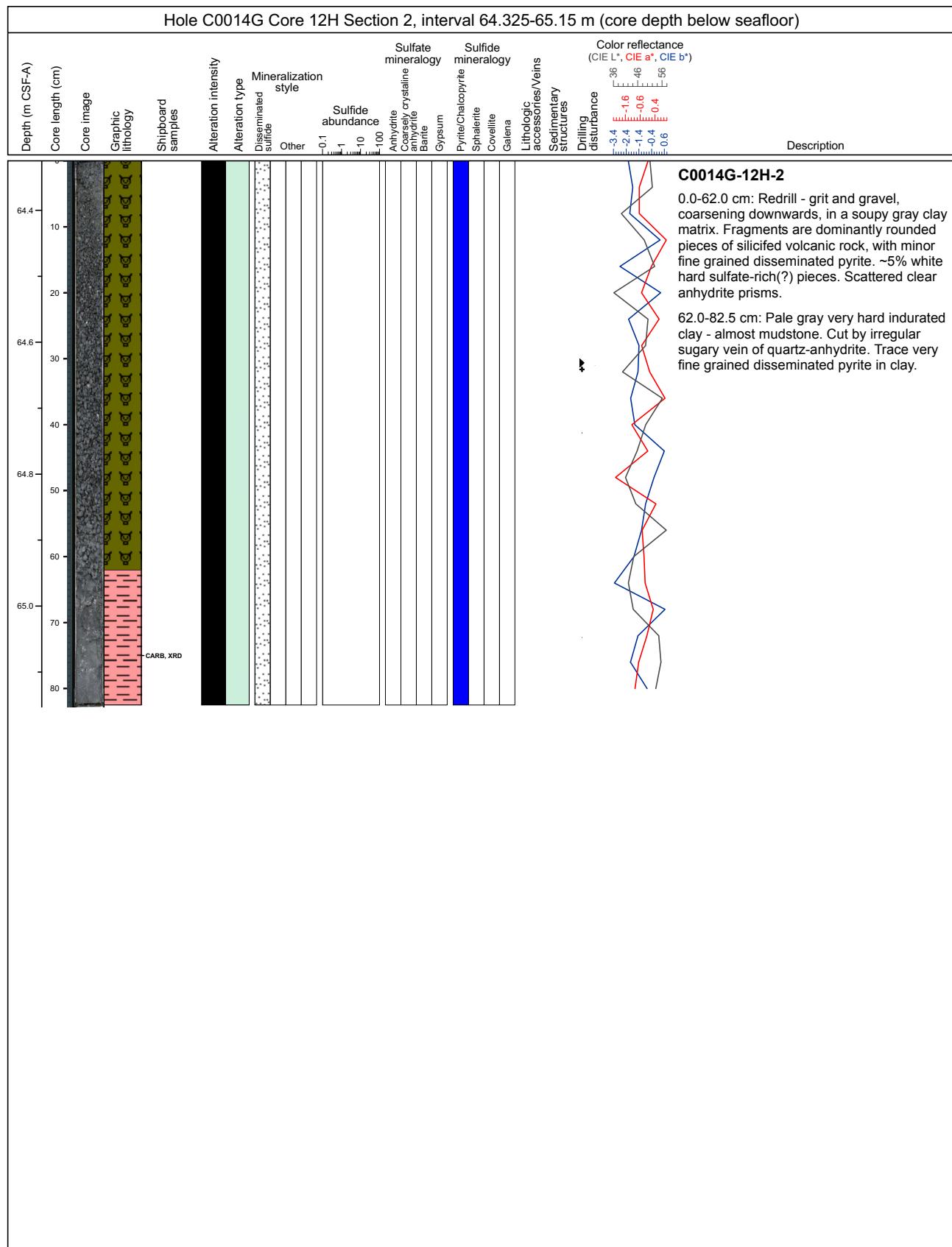


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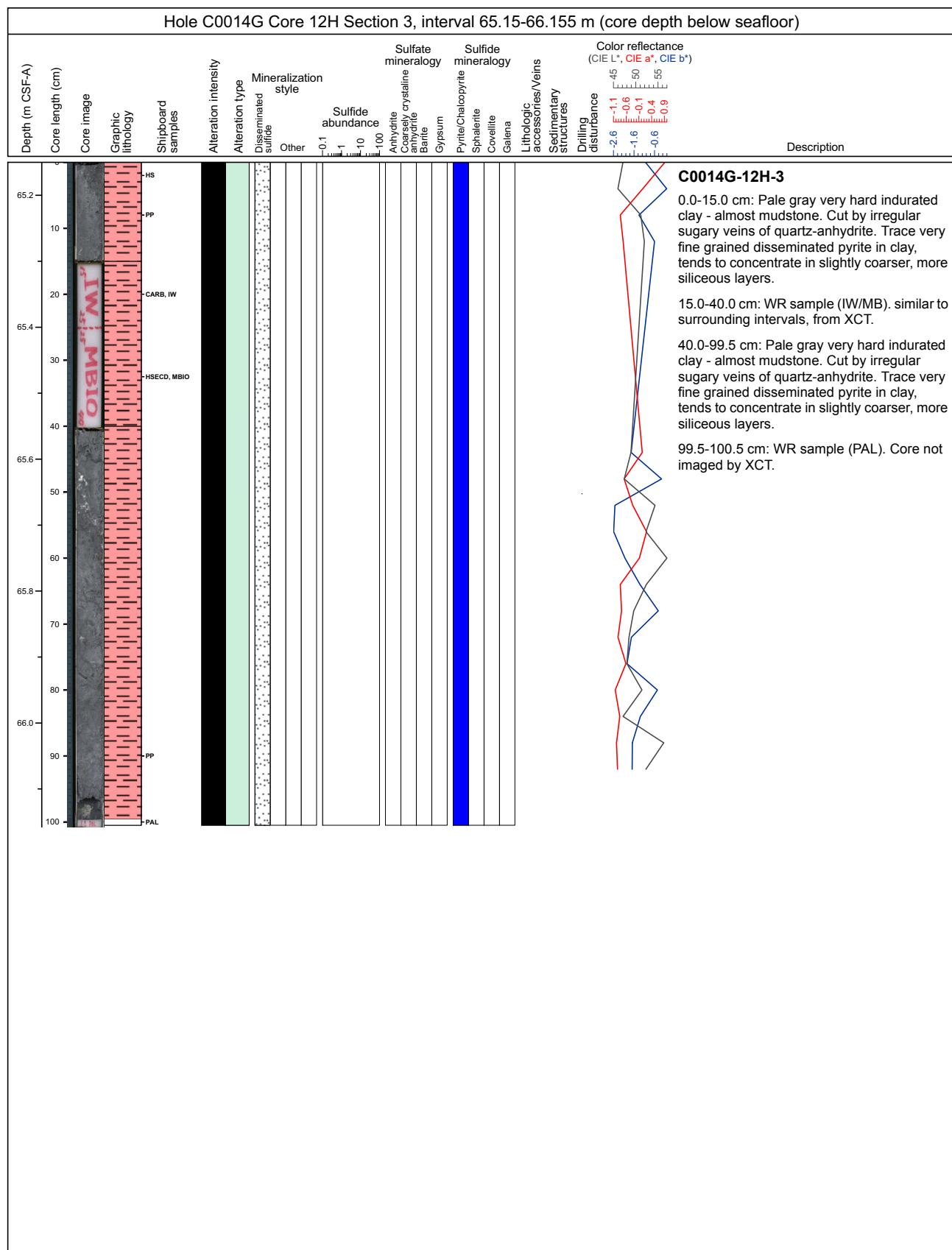
Hole C0014G Core 12H Section 1, interval 64.2-64.325 m (core depth below seafloor)

Depth (m CSFA)	Core length (cm)	Core image	Graphic lithology	Shipboard samples	Alteration intensity	Mineralization style	Sulfide abundance	Sulfate mineralogy	Sulfide mineralogy	Lithologic accessories/veins	Sedimentary structures	Drilling disturbance	Color reflectance (CIE L*, CIE a*, CIE b*)	Description
						Disseminated sulfide	0.1	Anhydrite Coarsely crystalline Anhydrite Barite	Pyrite Chalcopyrite Sphalerite	Covellite Galena		-0.9	-43 -44 -45 -46	C0014G-12H-1 0.0-12.5 cm: Redrill - sand and grit in a soupy gray clay matrix. Fragments are dominantly rounded pieces of silicified volcanic rock, with minor fine grained disseminated pyrite. Scattered clear anhydrite prisms.
10						Other	1	Gypsum				-1.0	-0.7 -0.5	
							10				0.0	1.0		
							100							

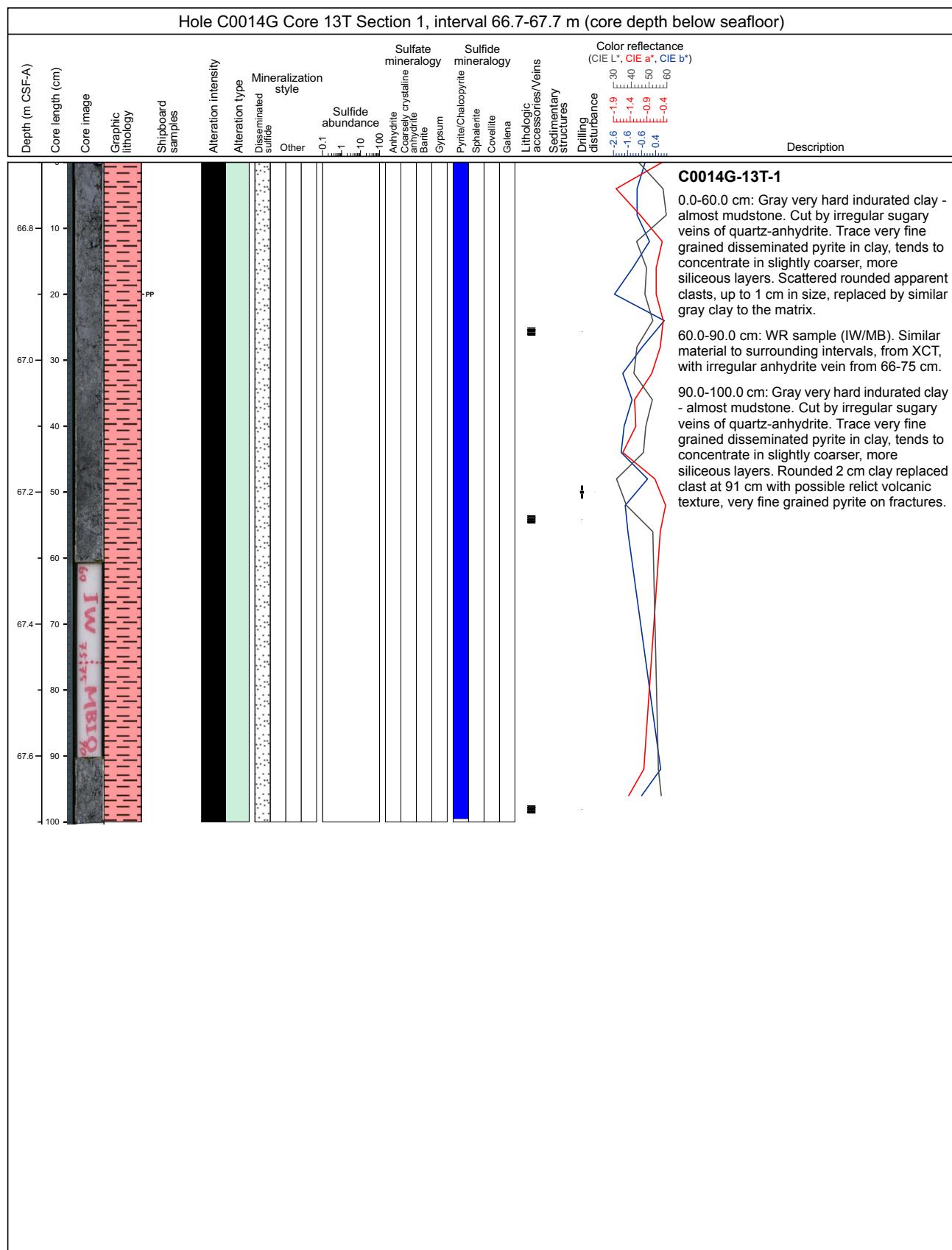
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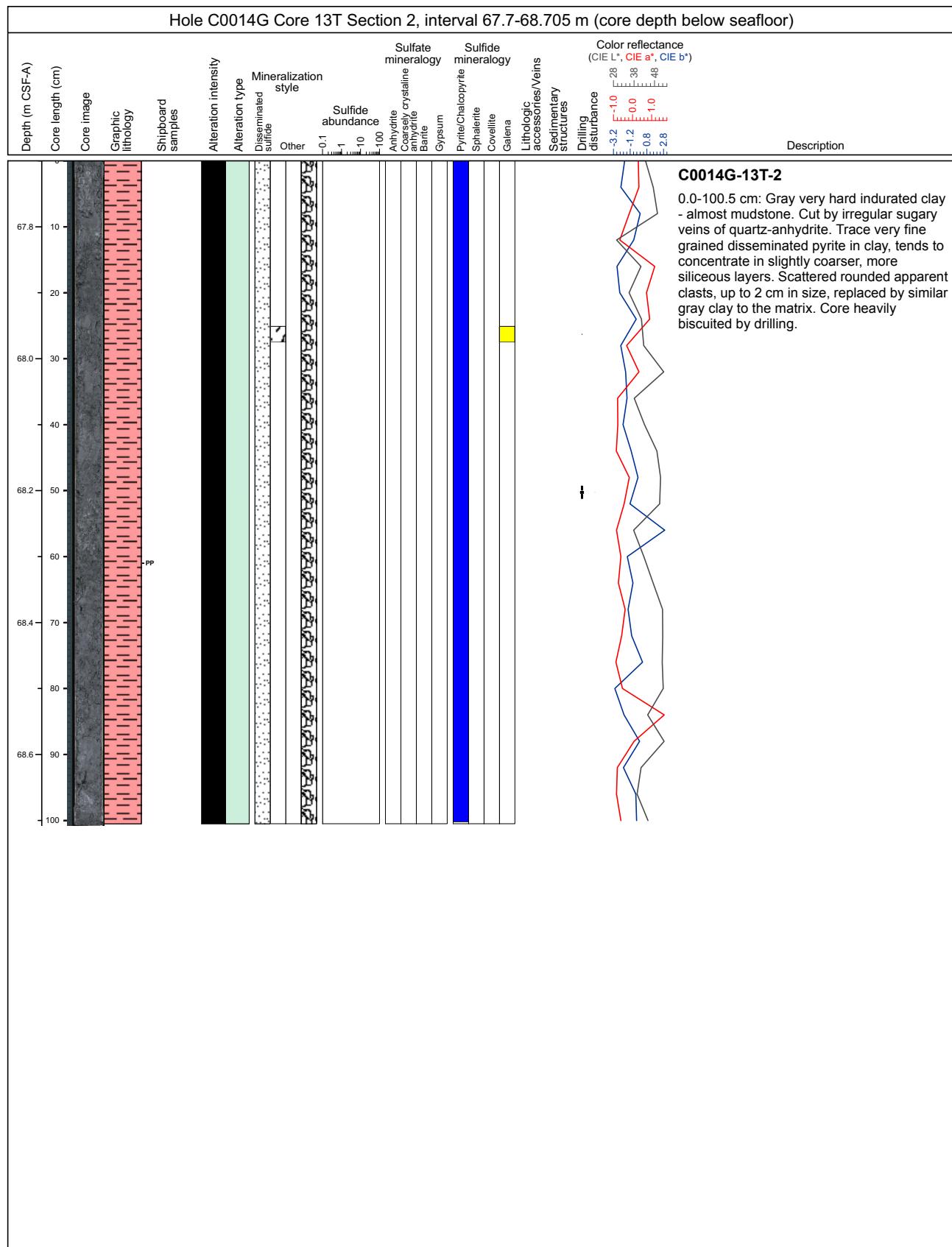
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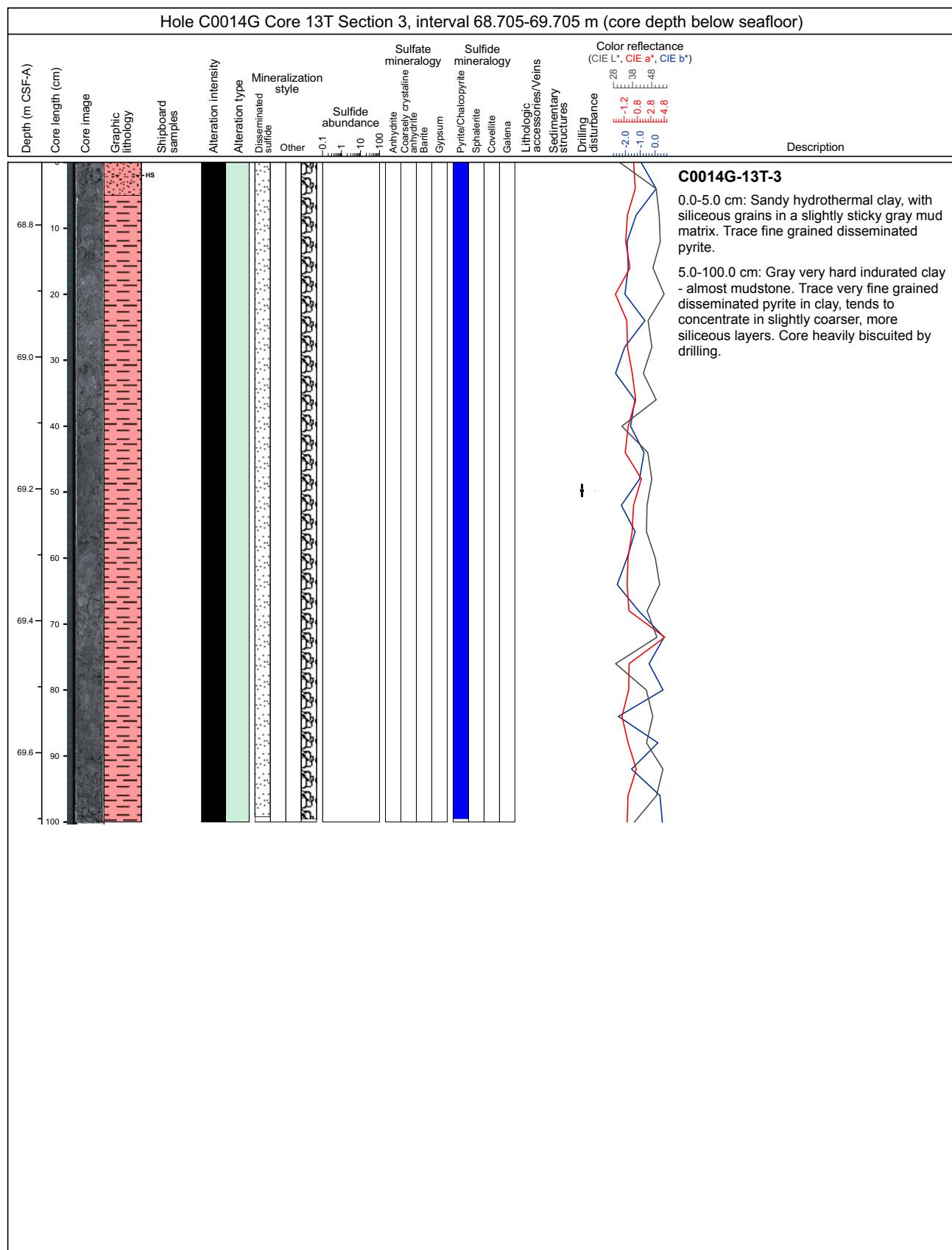
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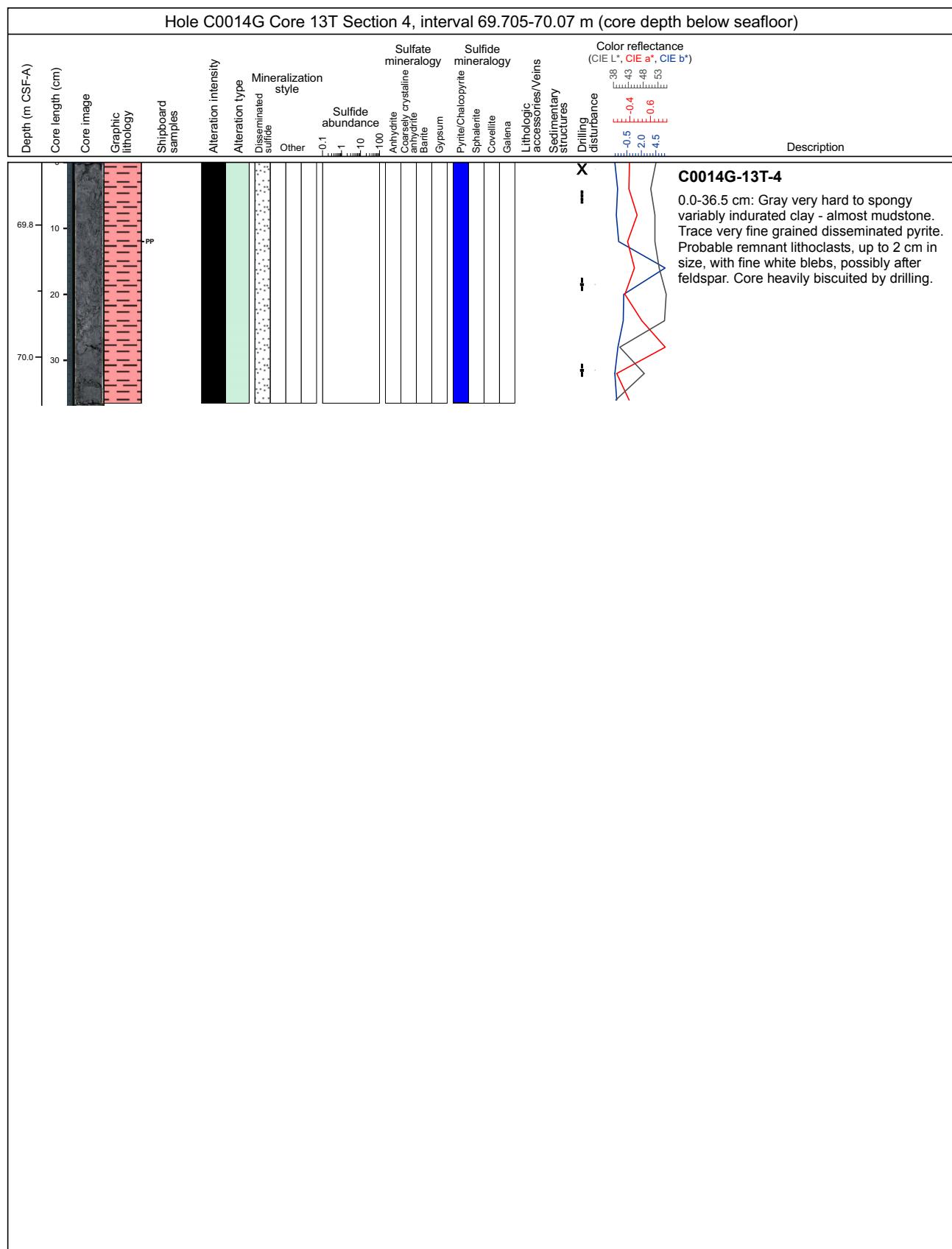
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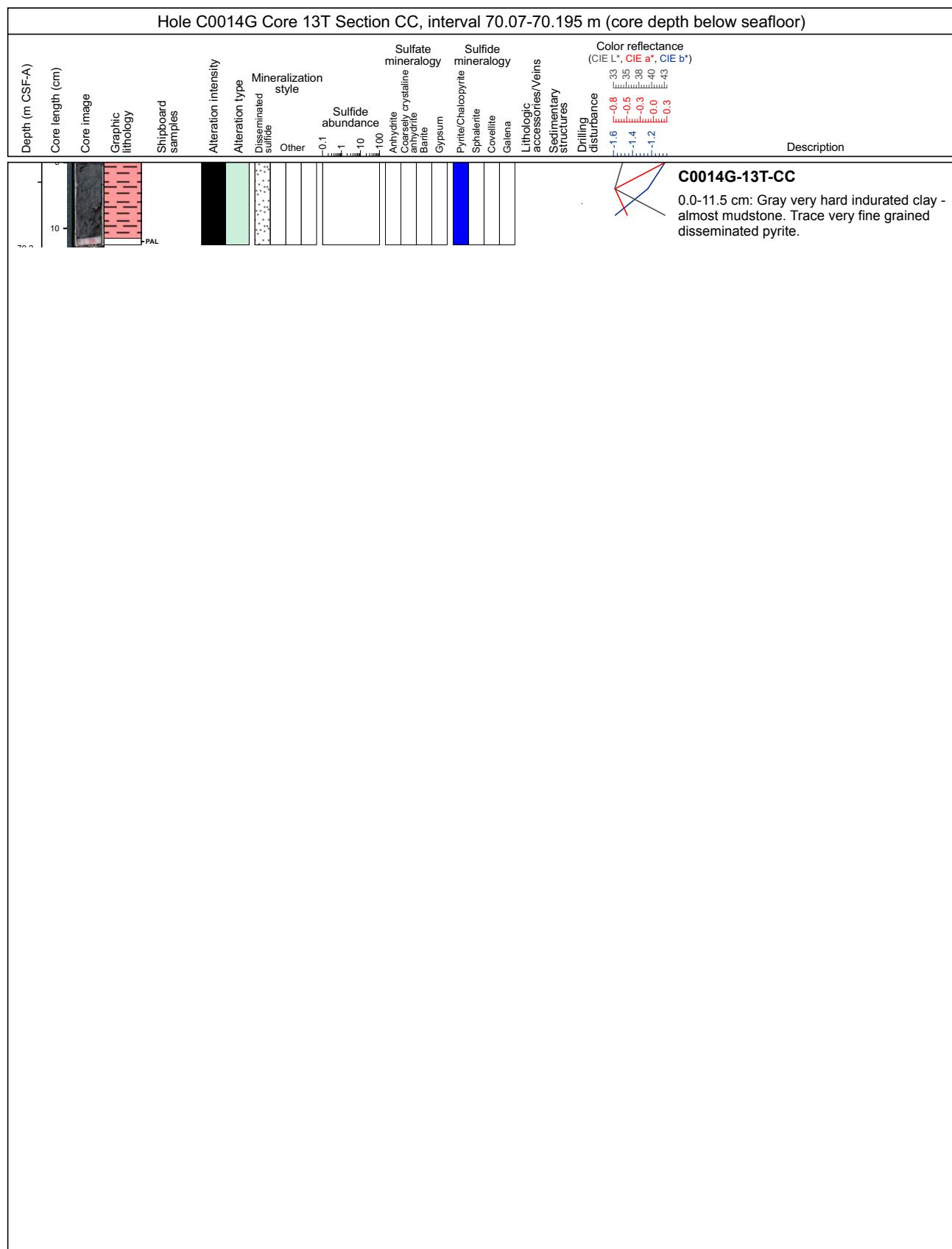
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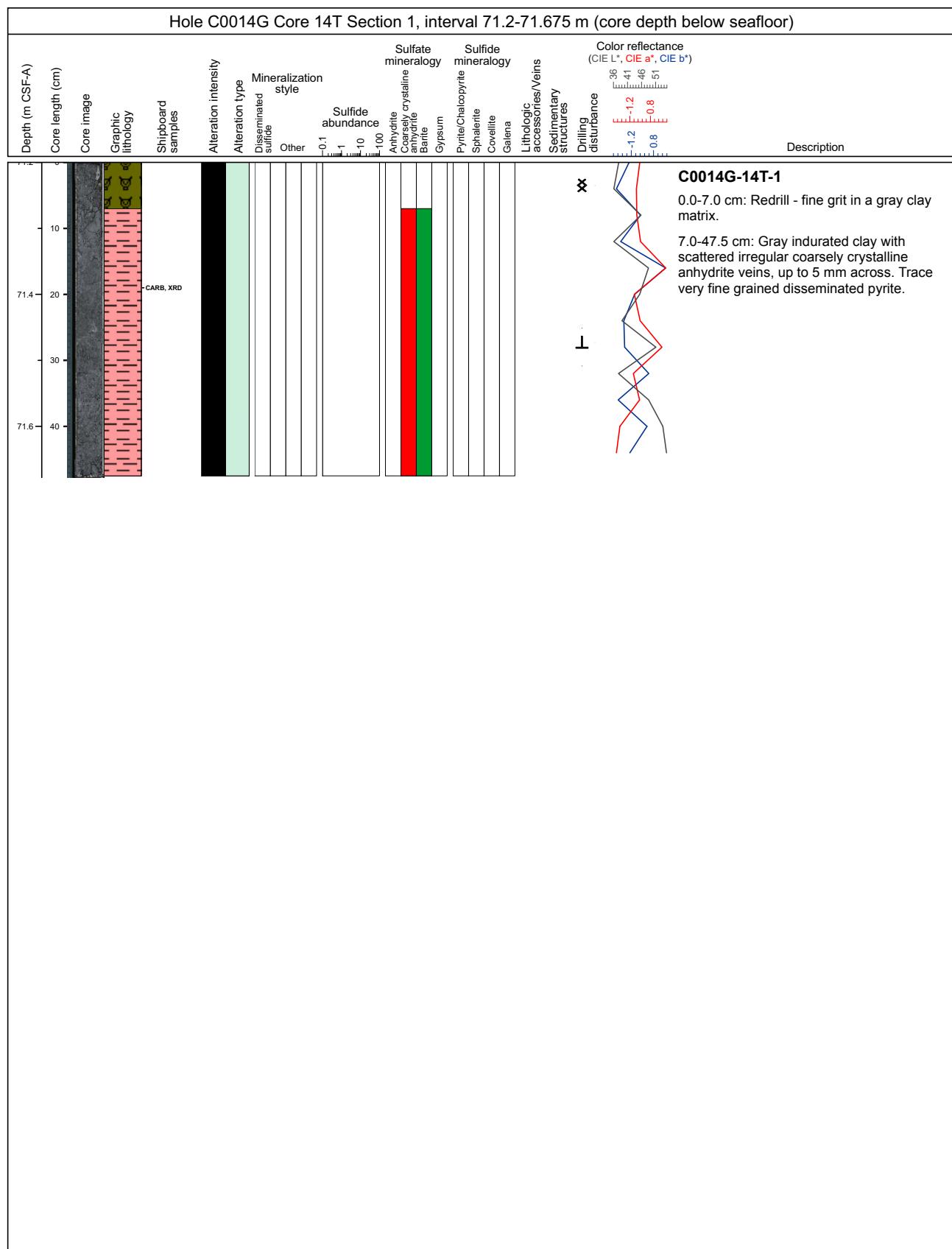
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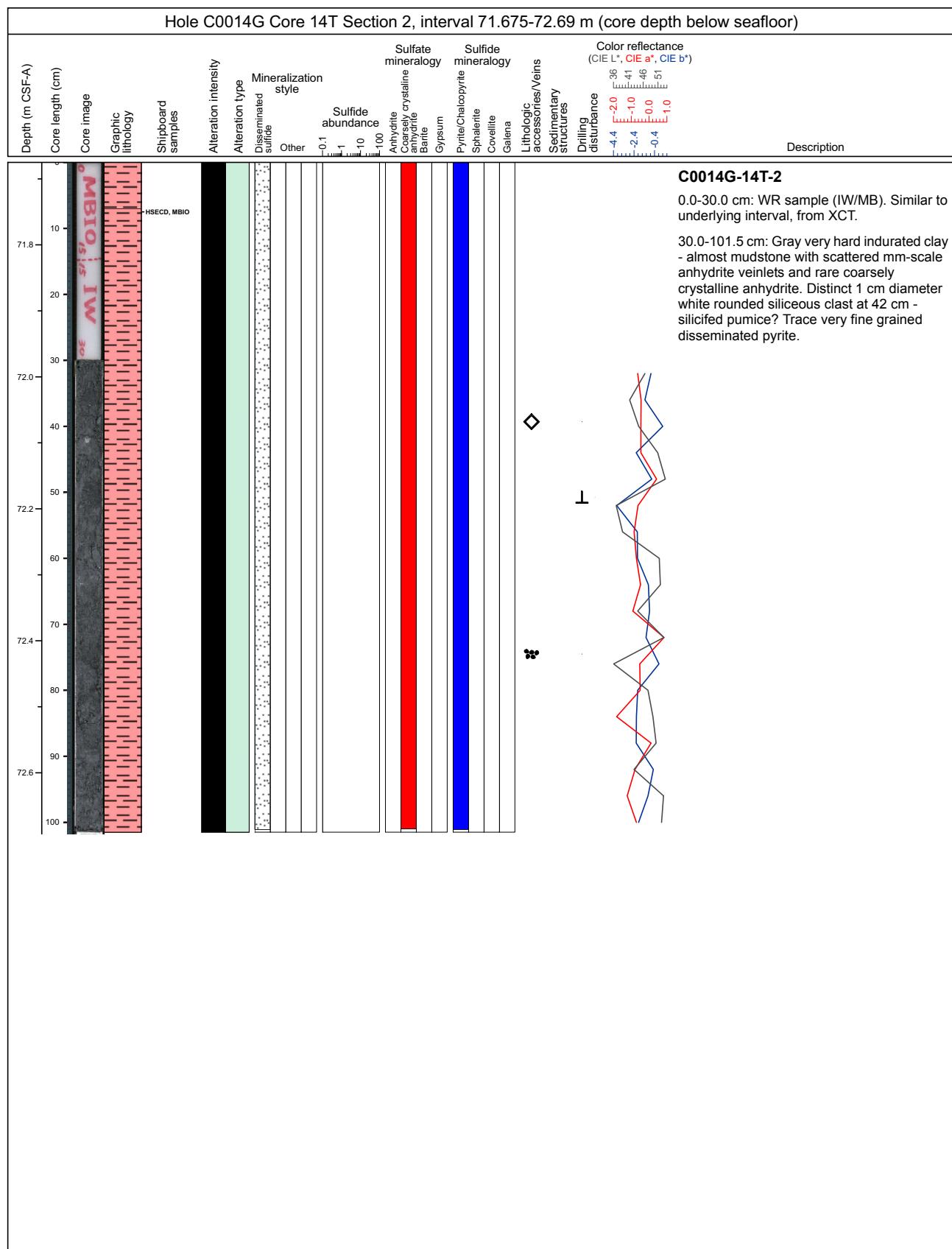
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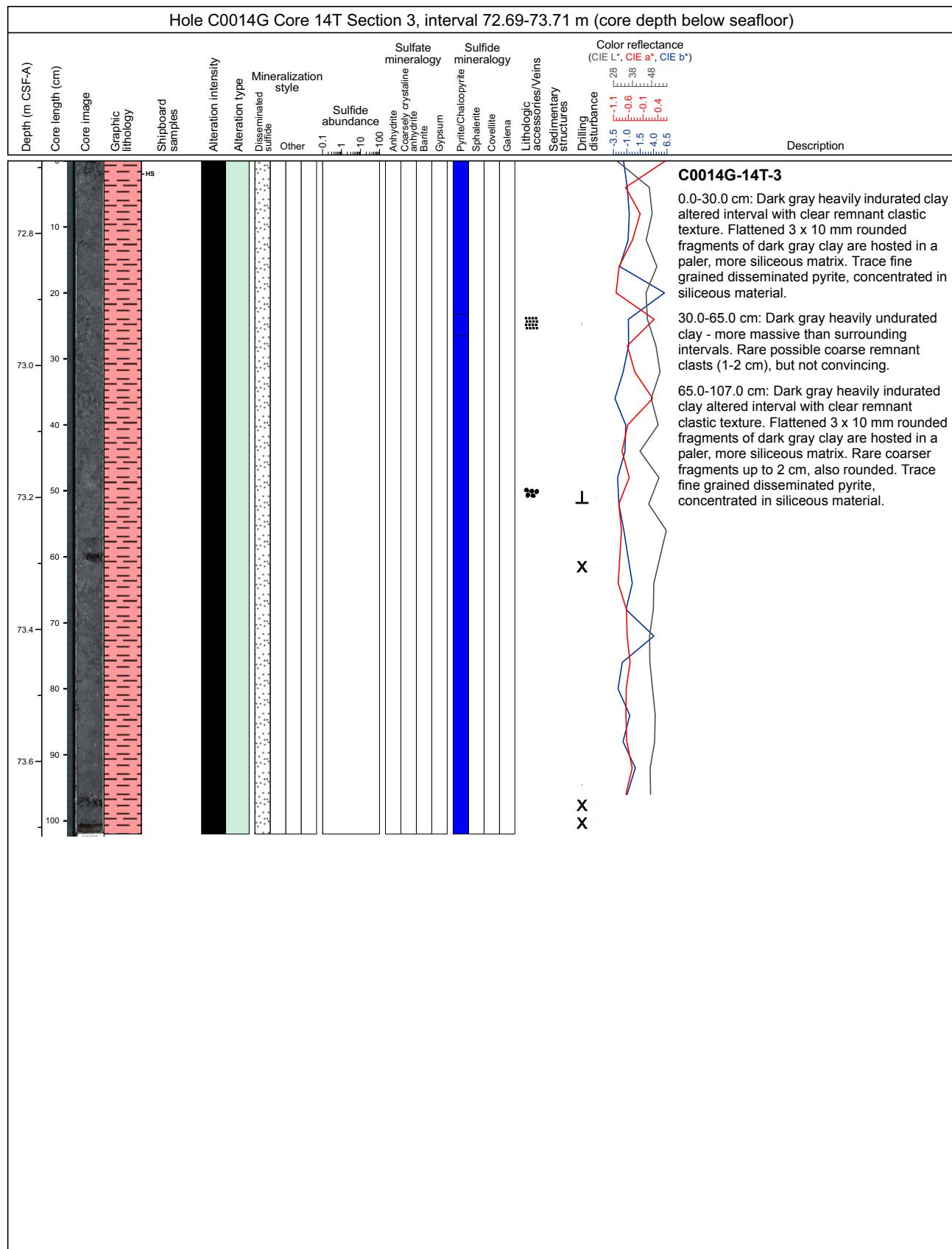
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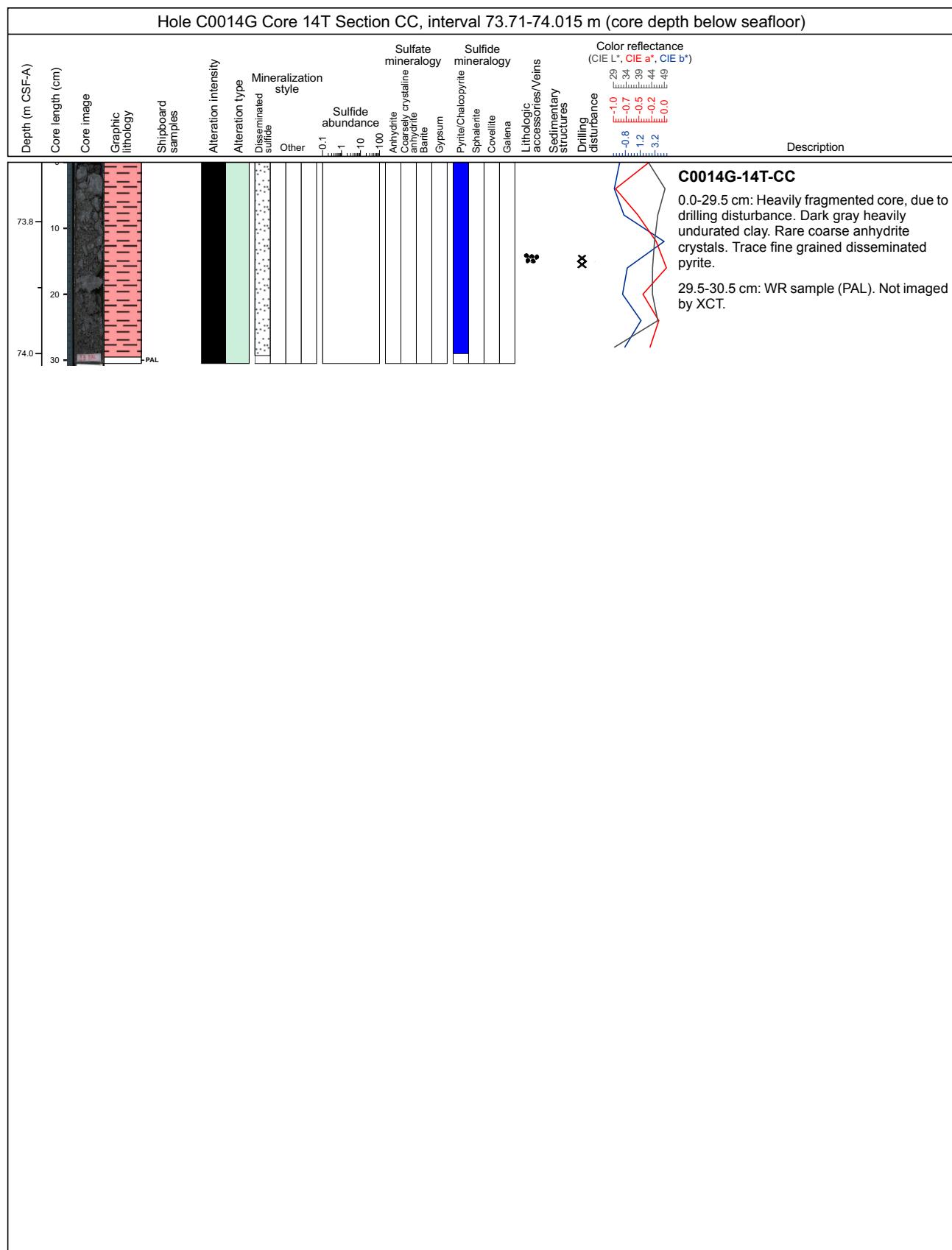
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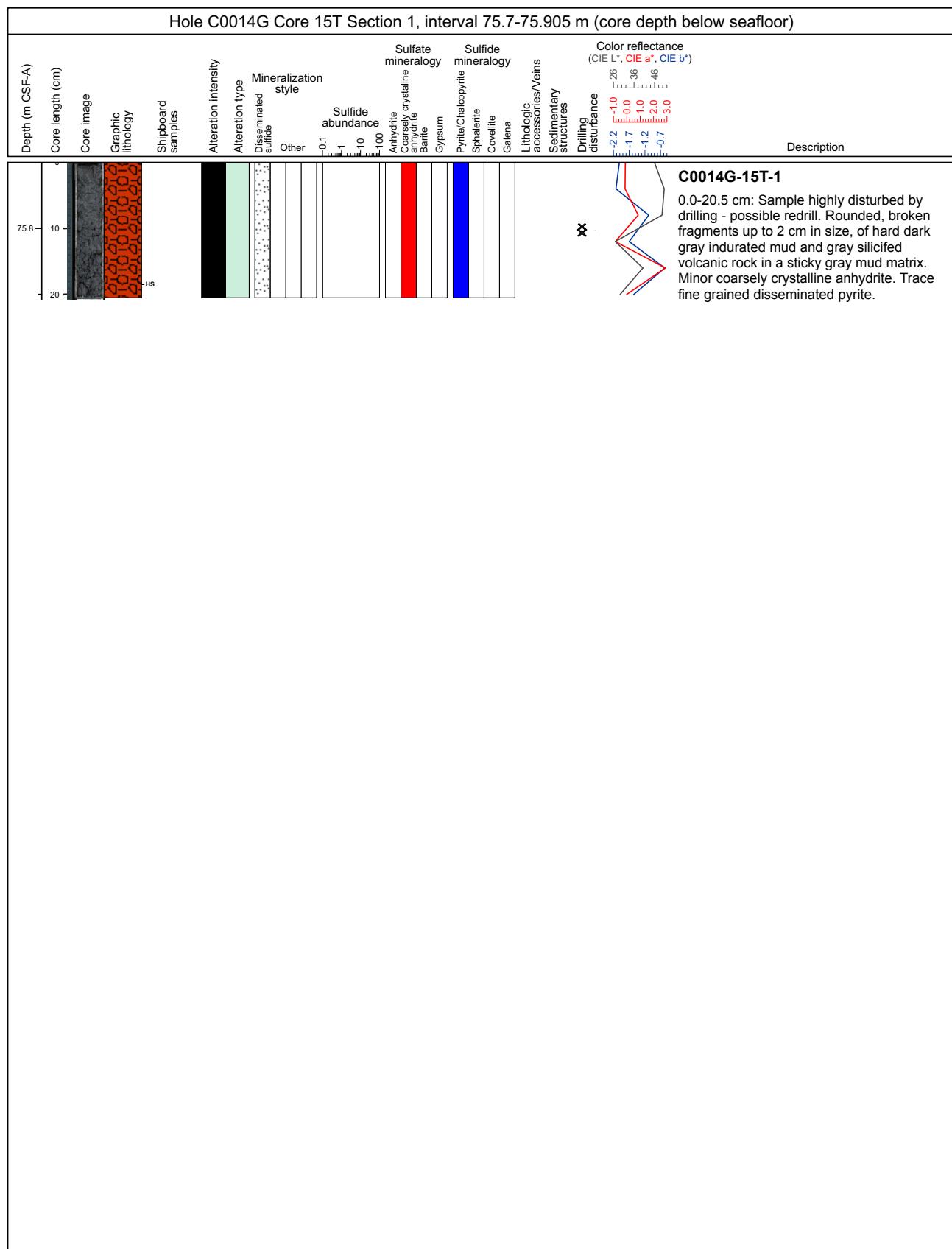
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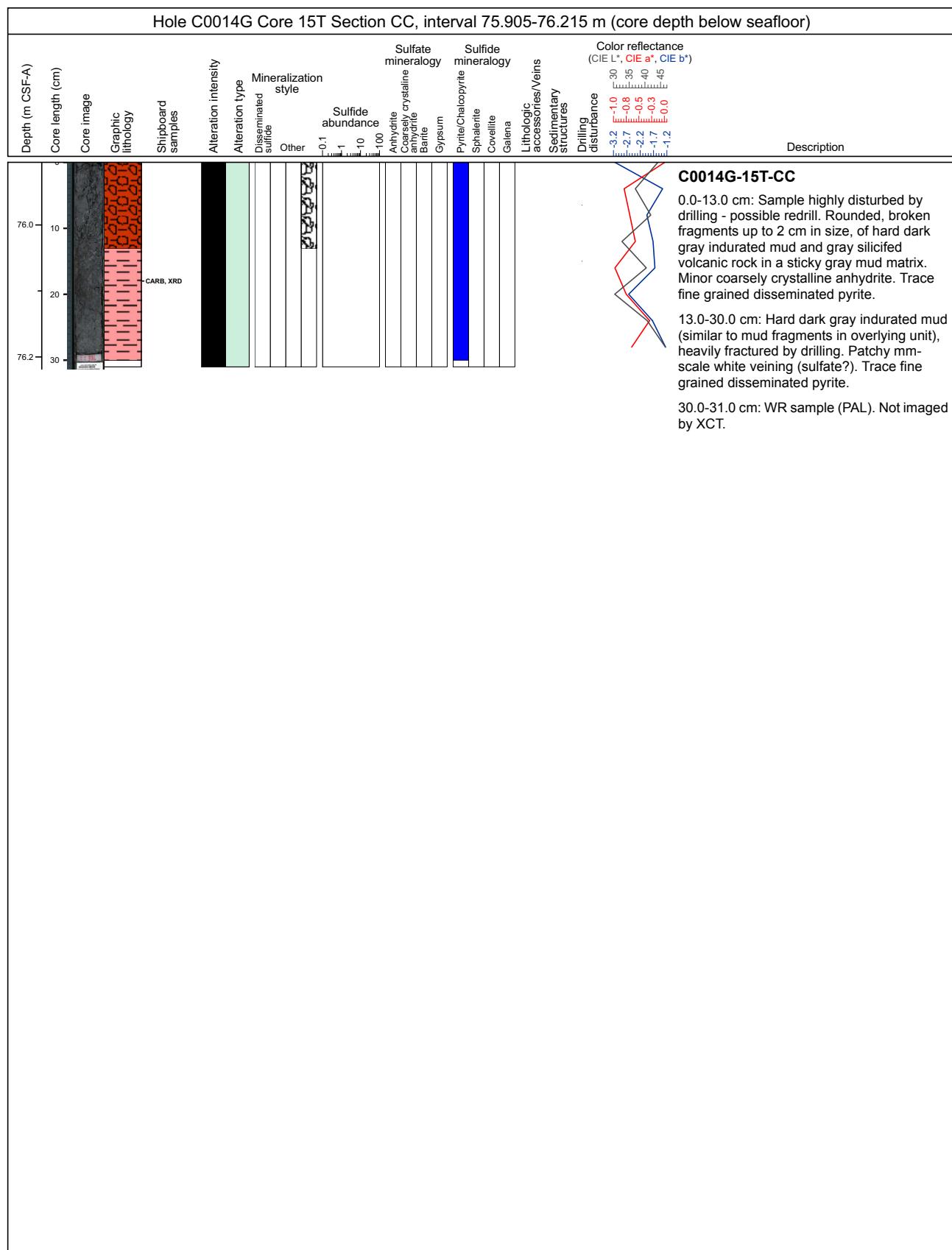
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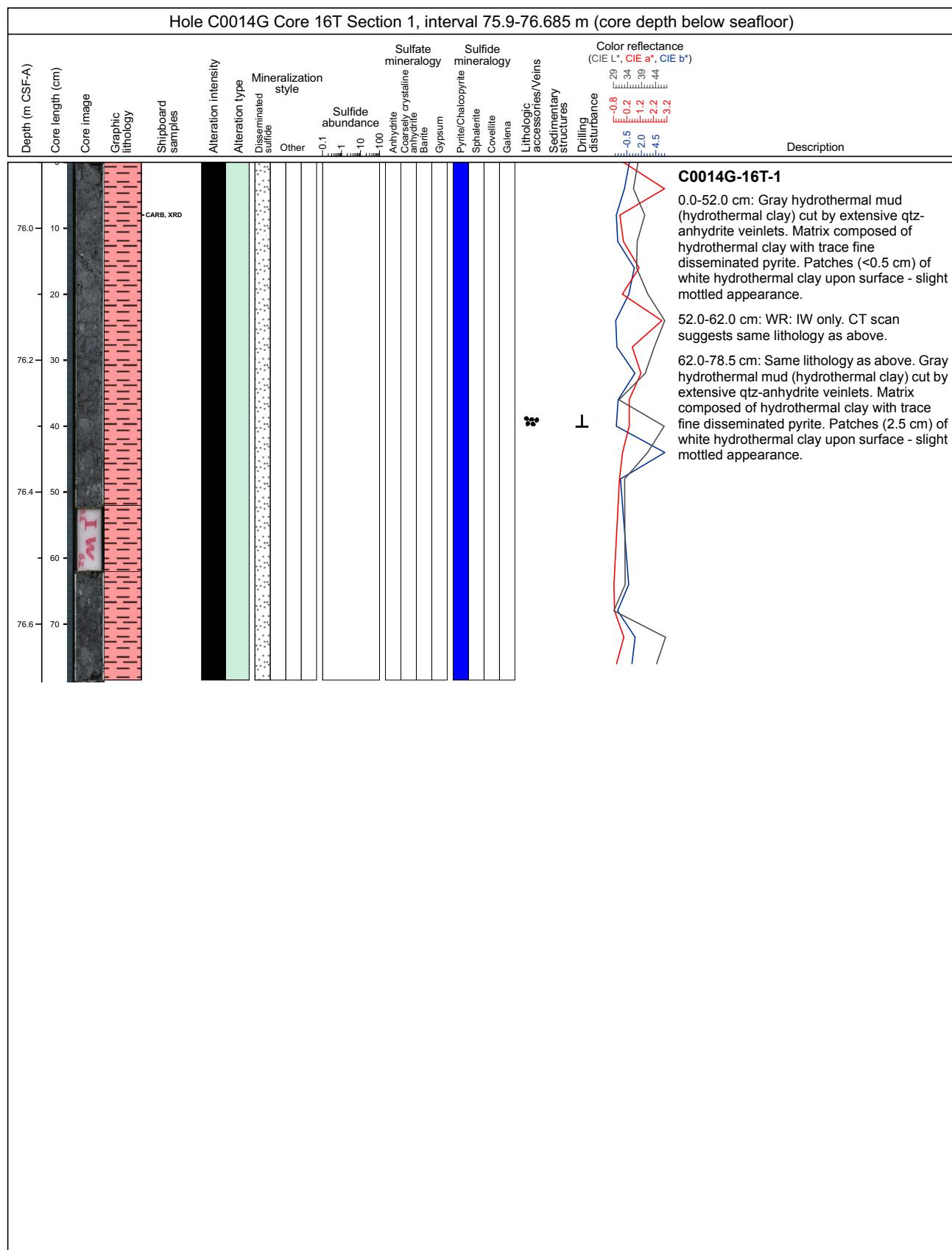
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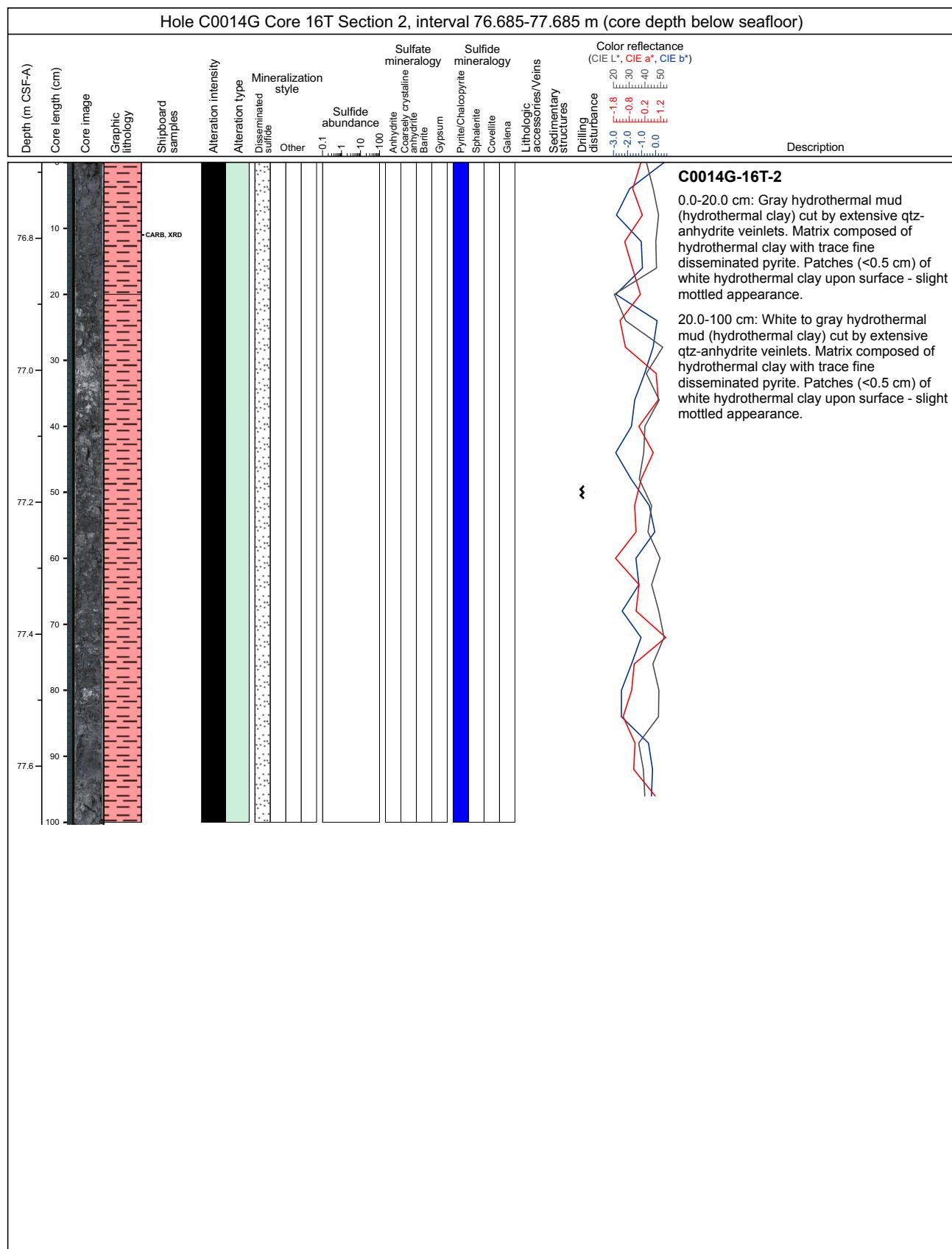
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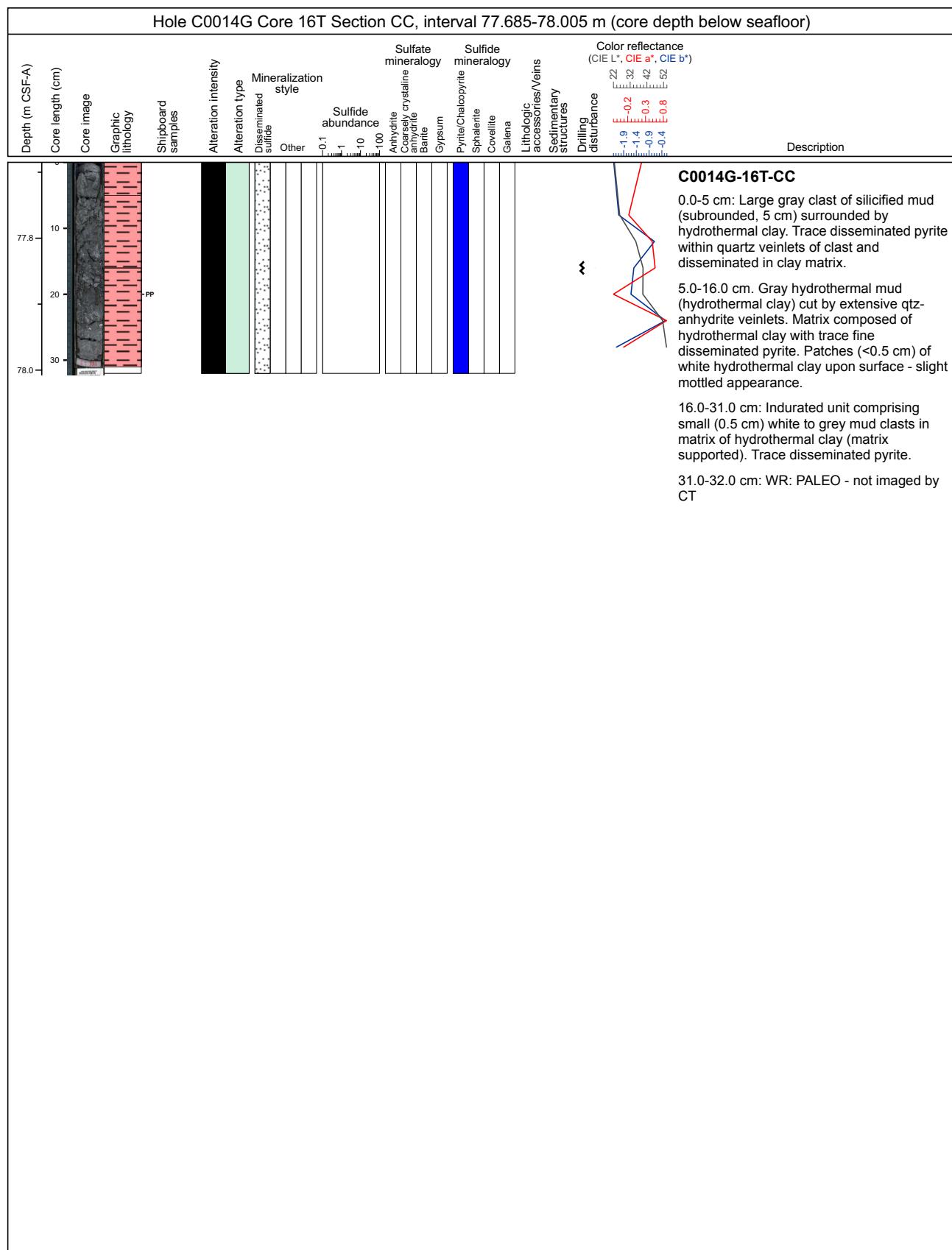
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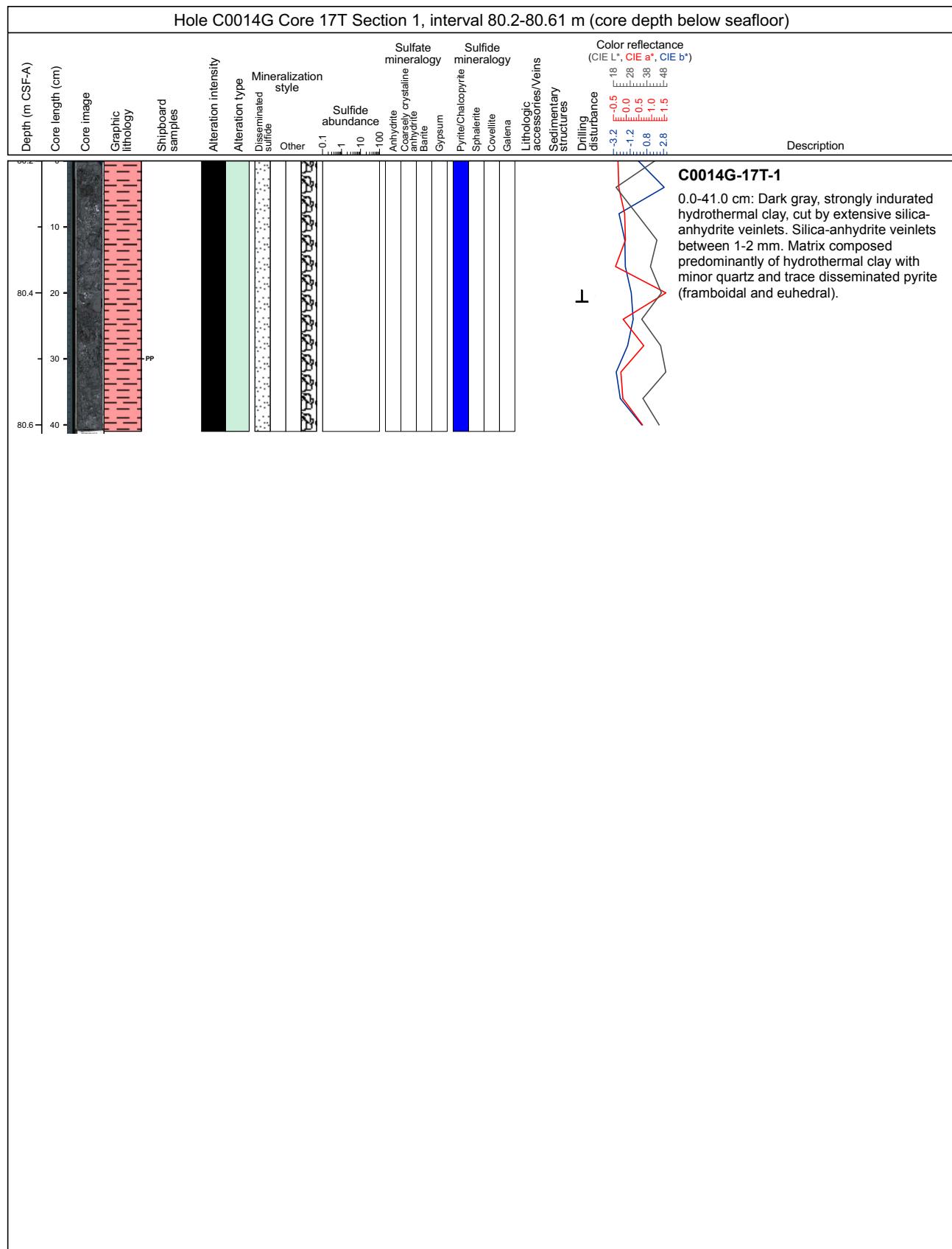
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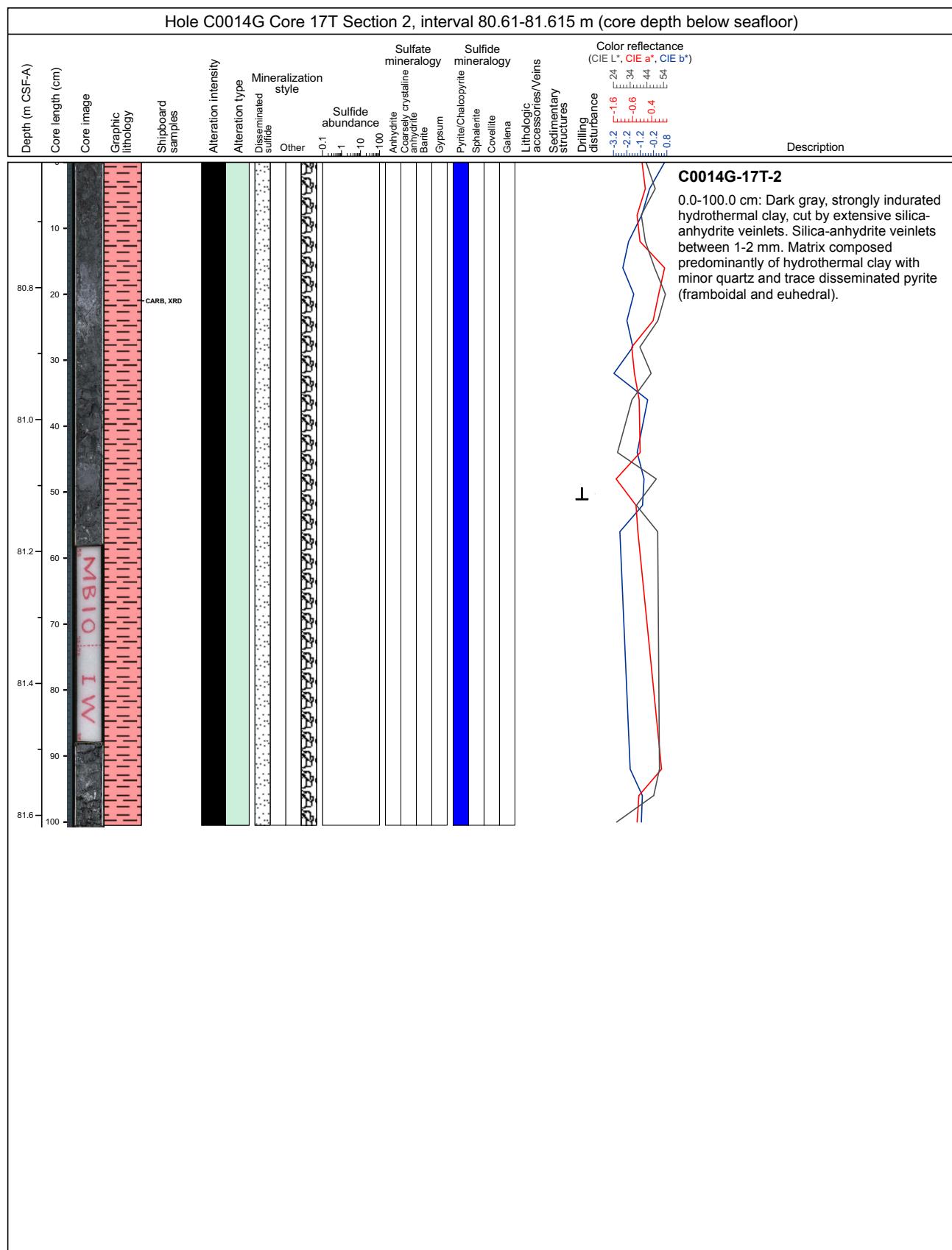
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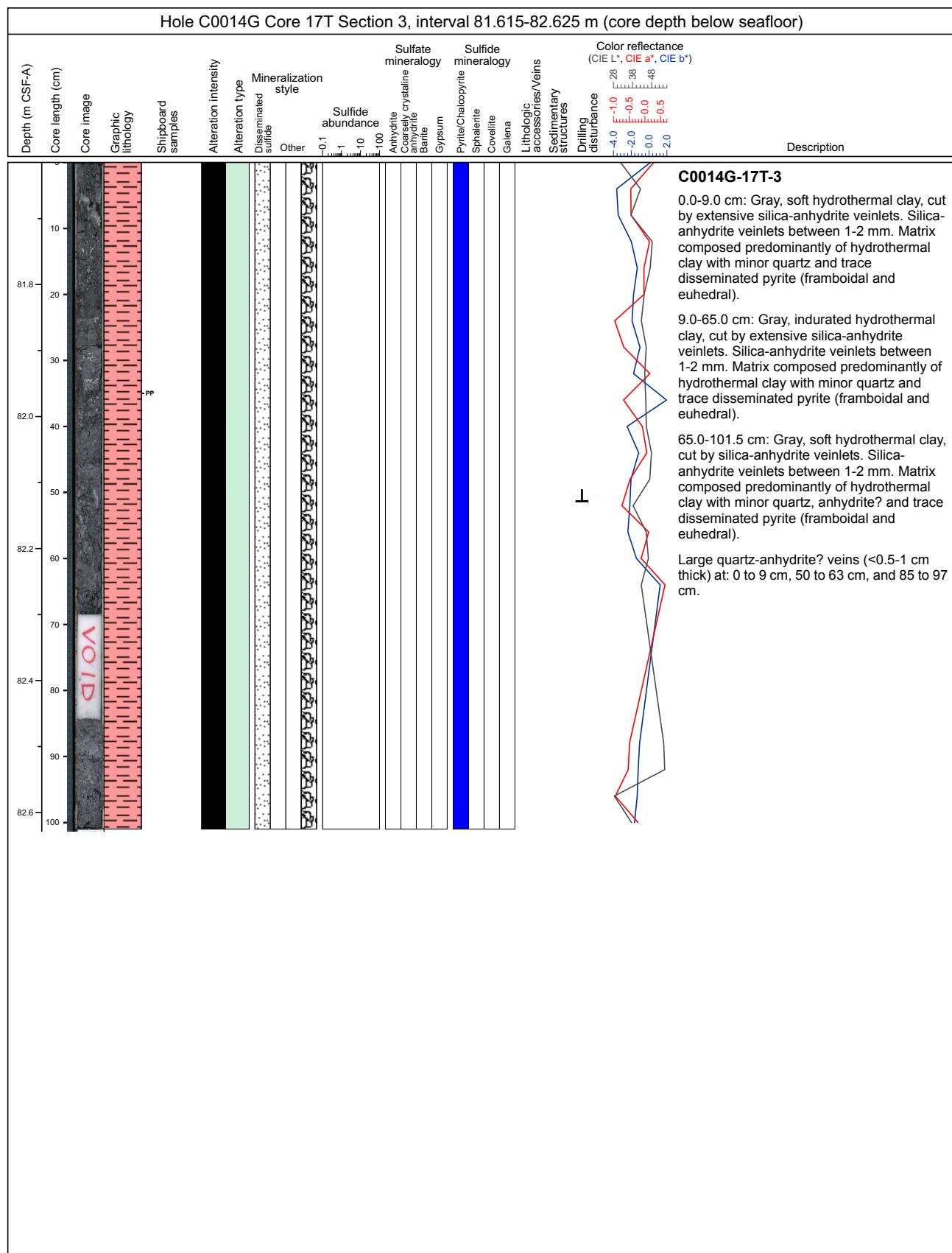
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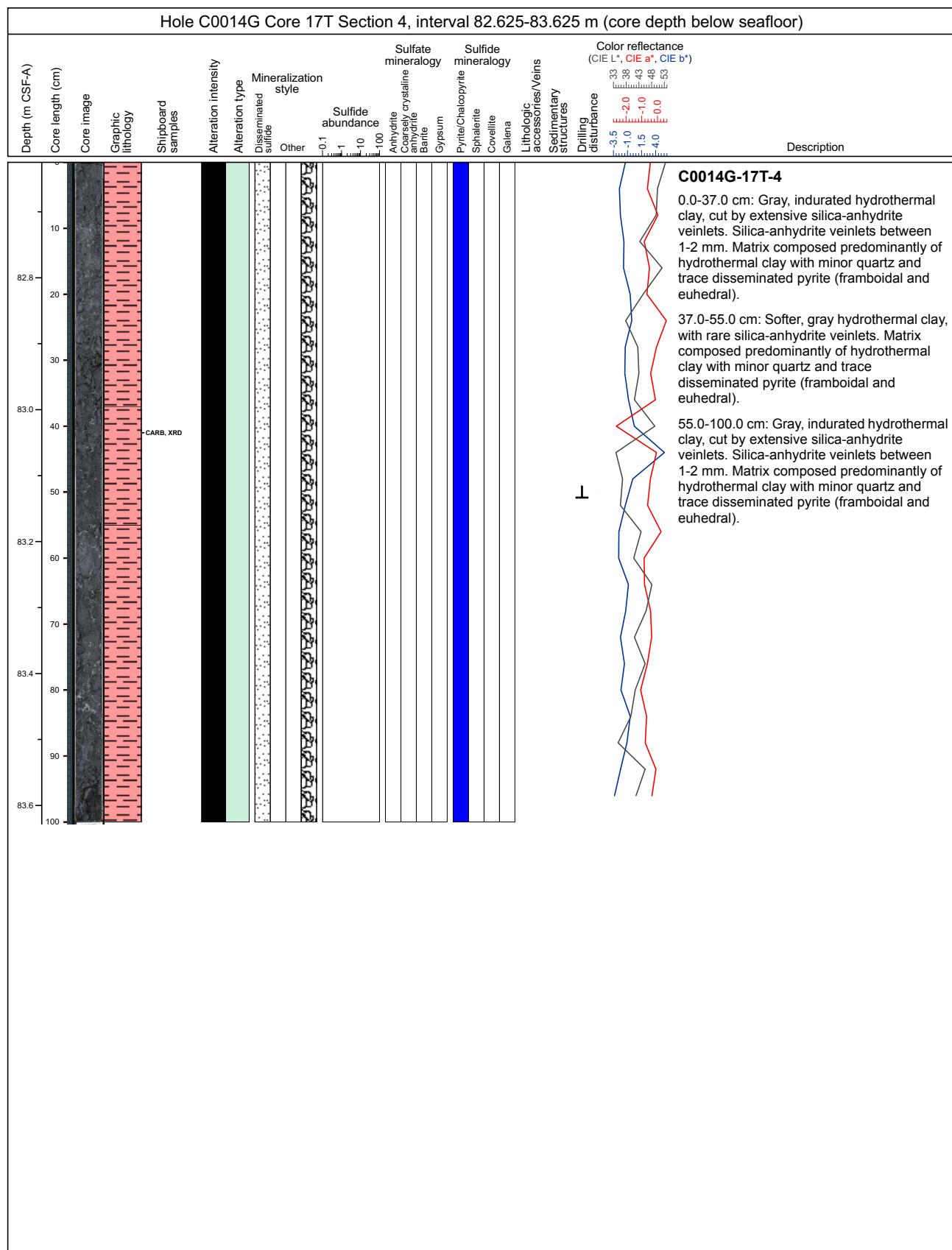
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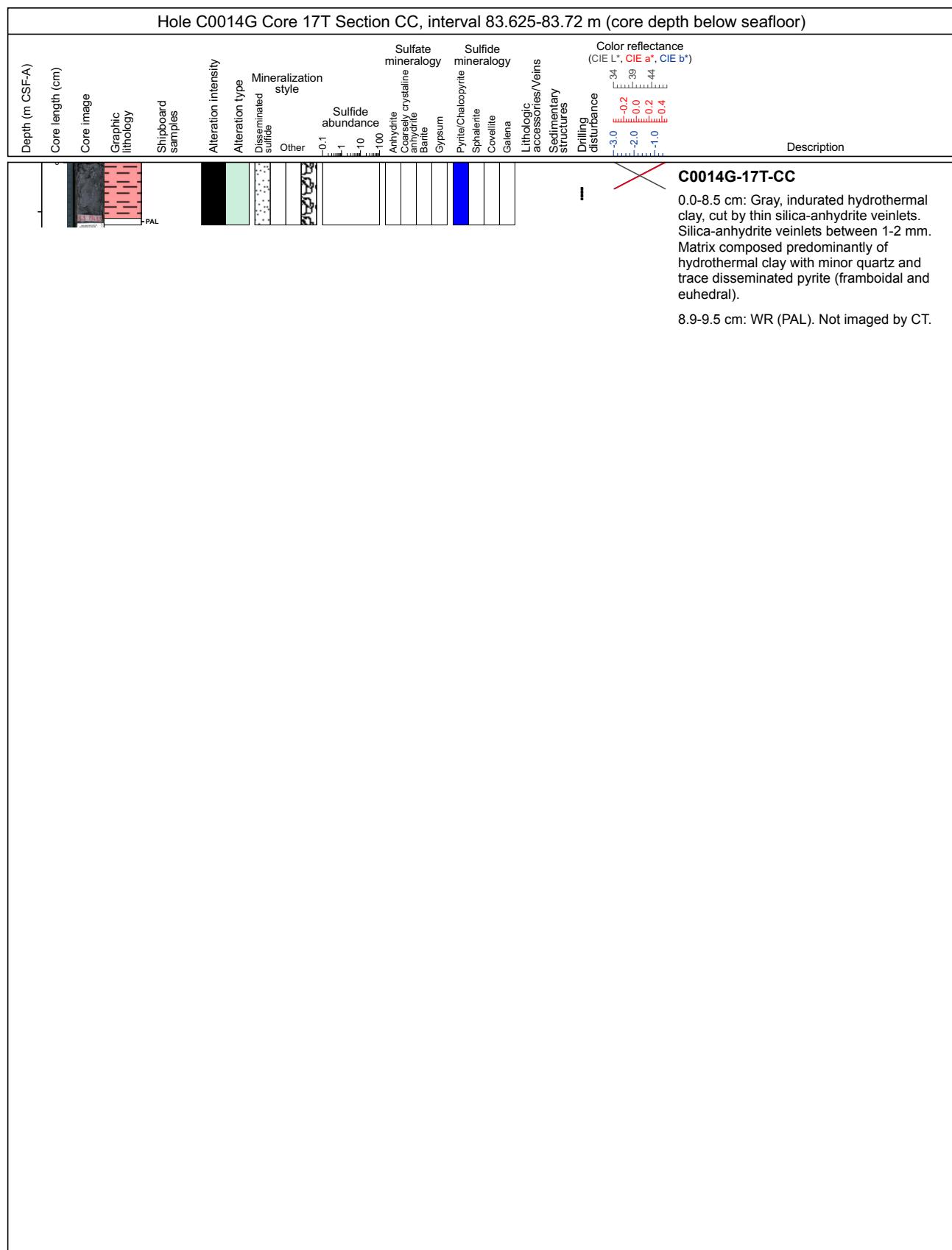
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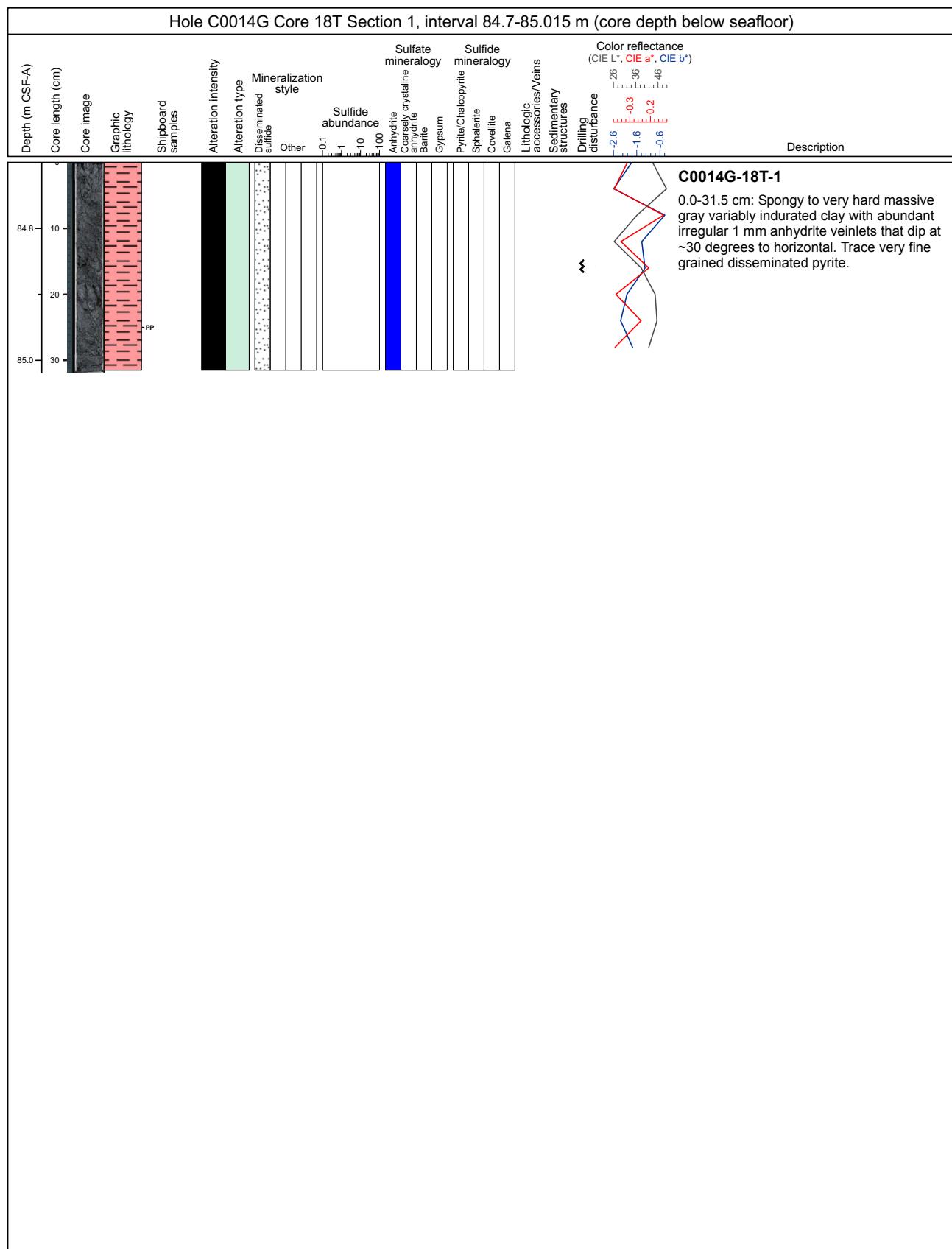
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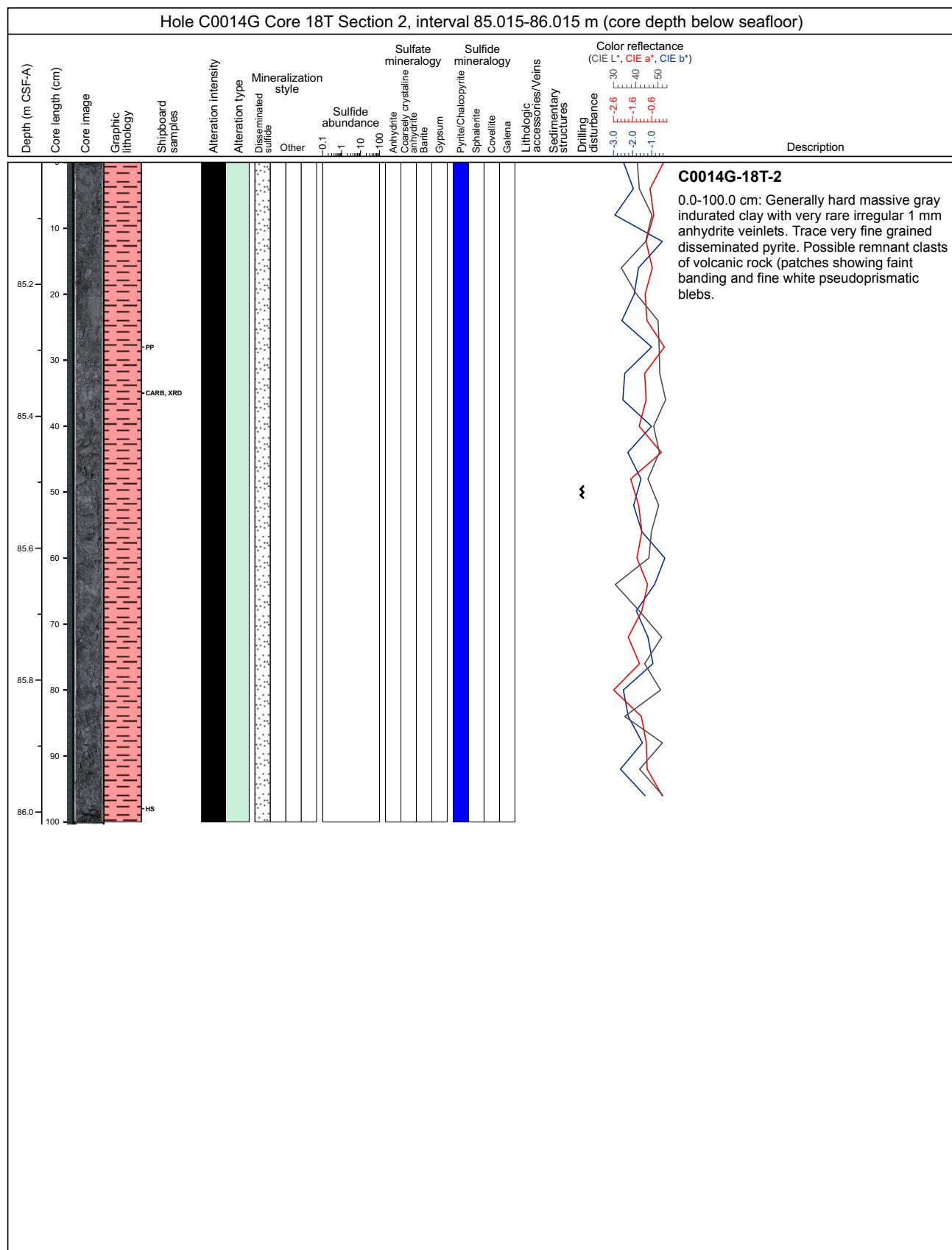
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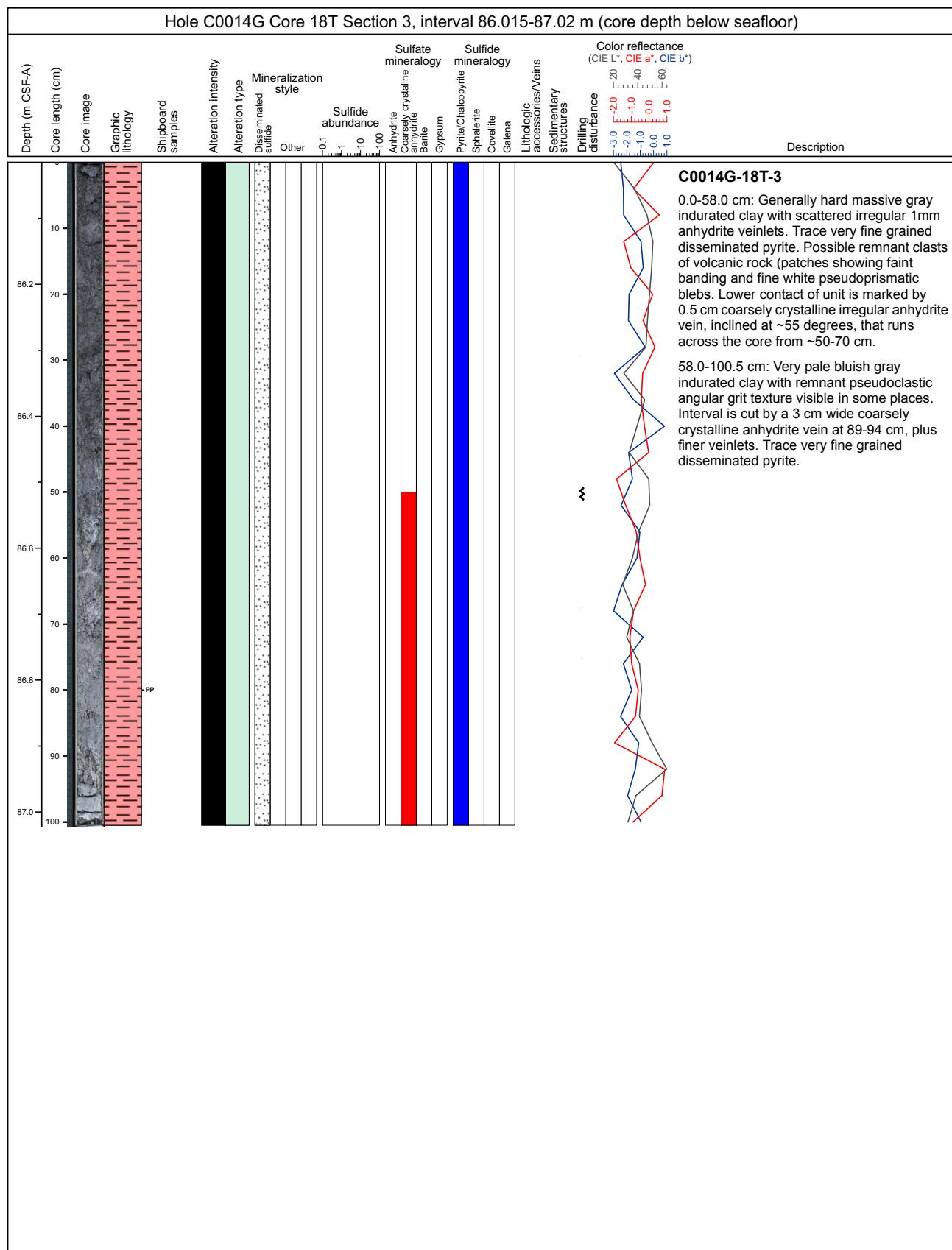
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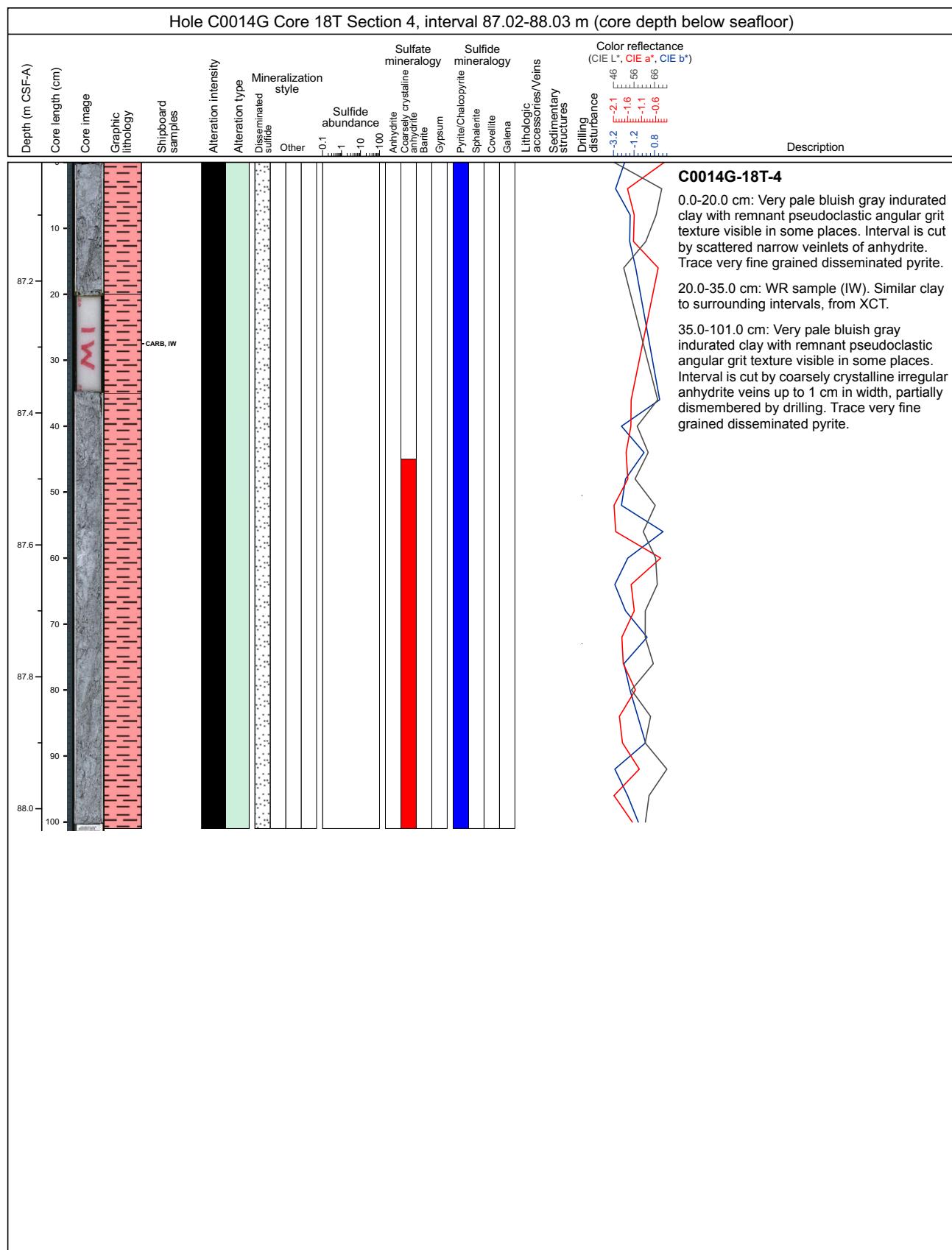
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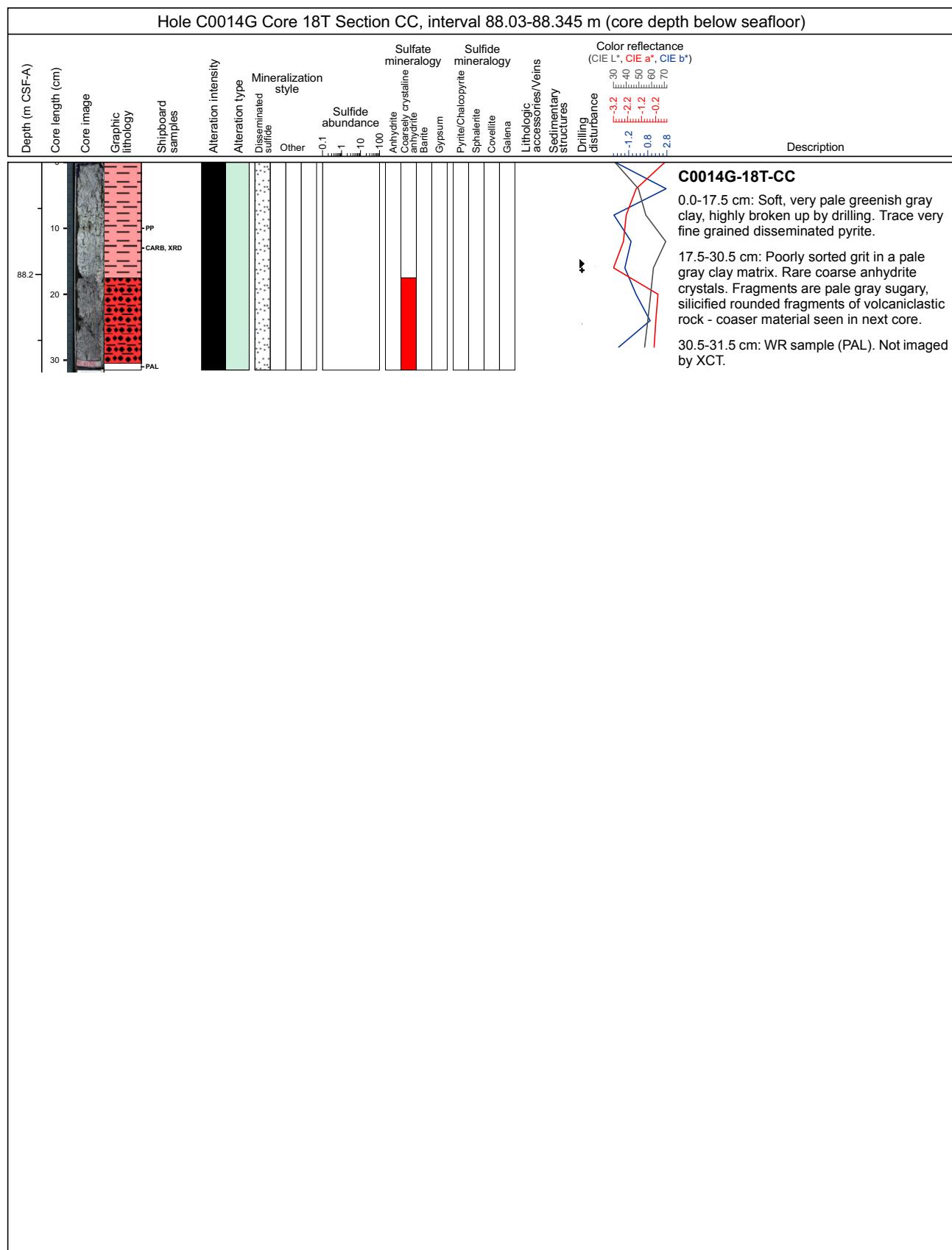
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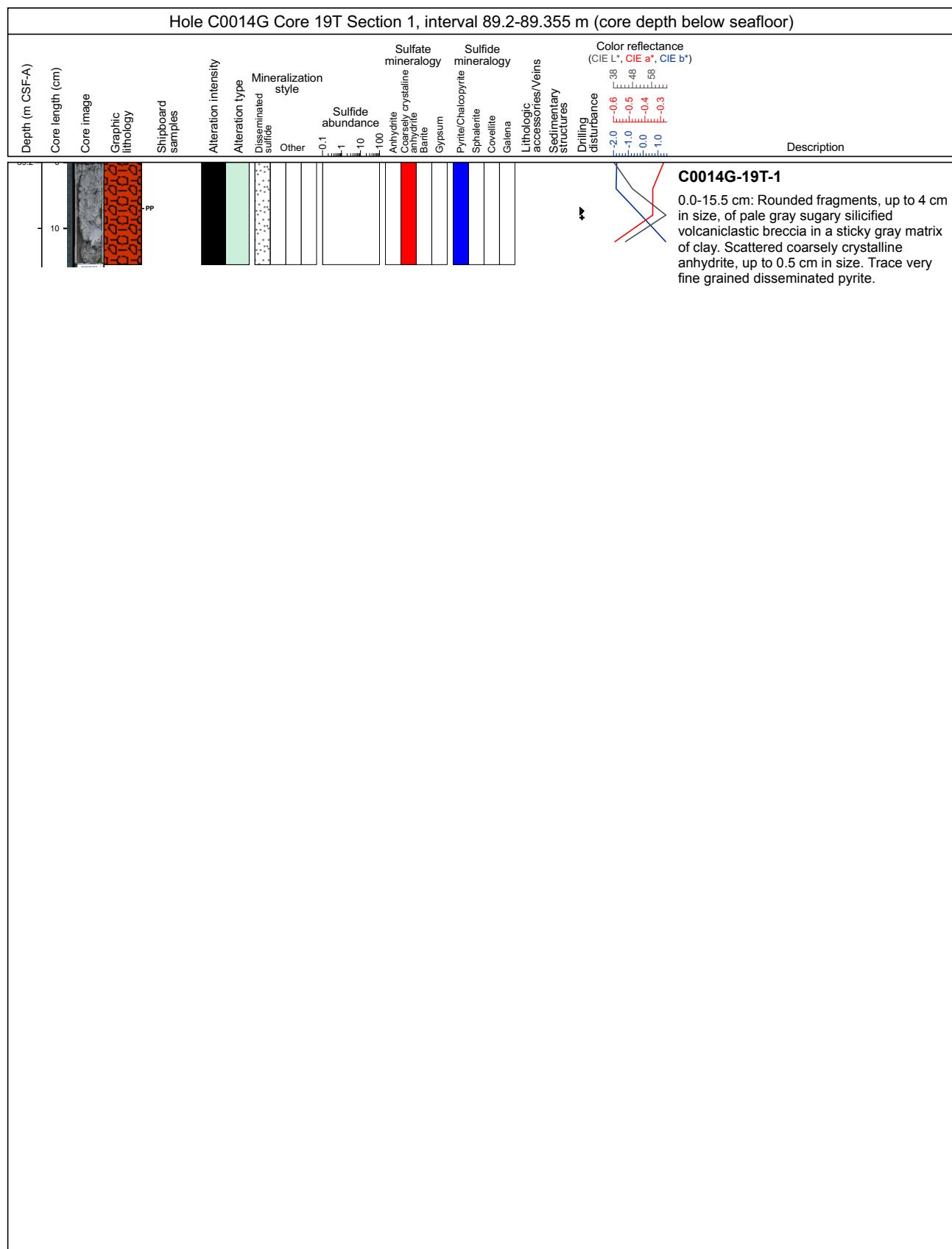
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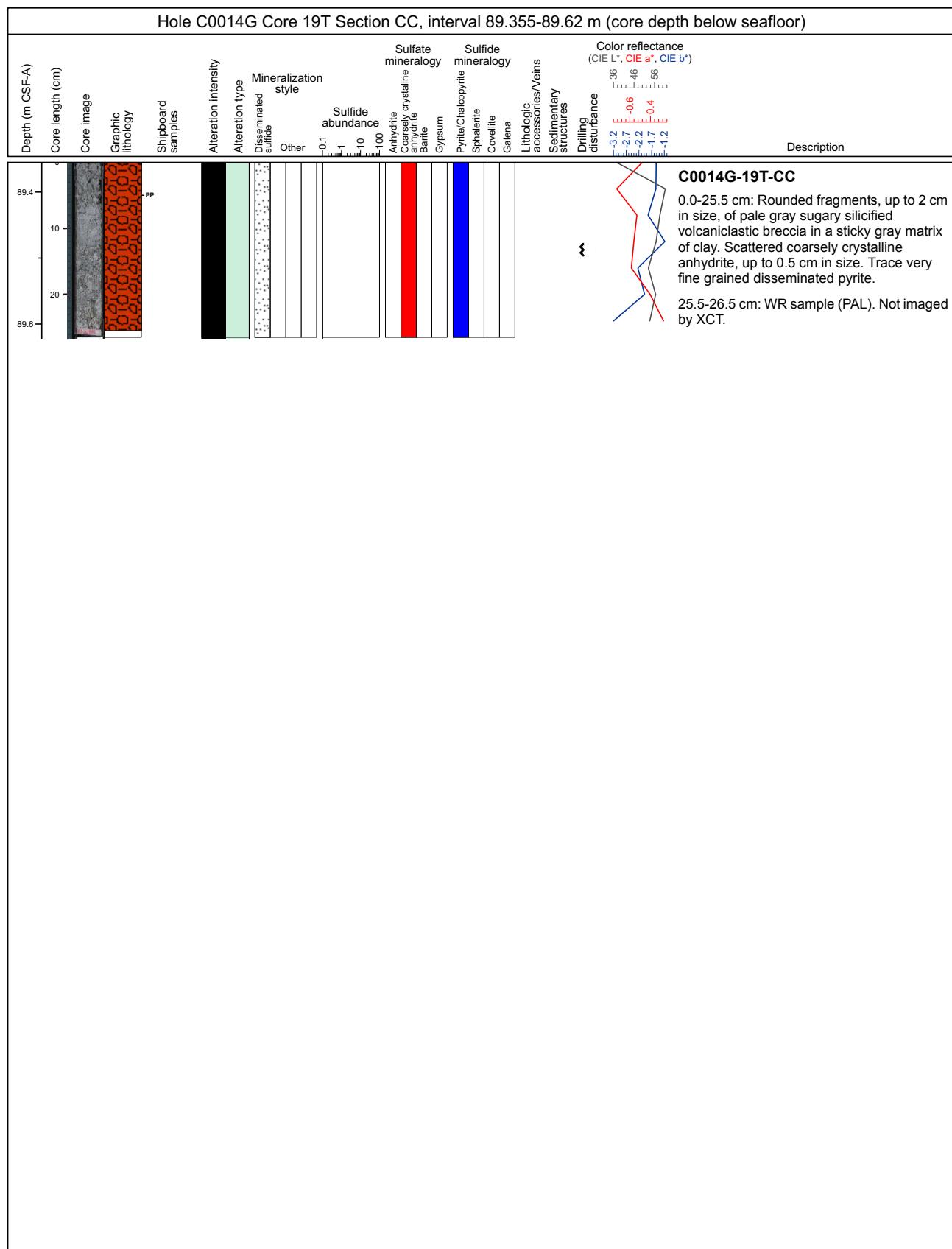
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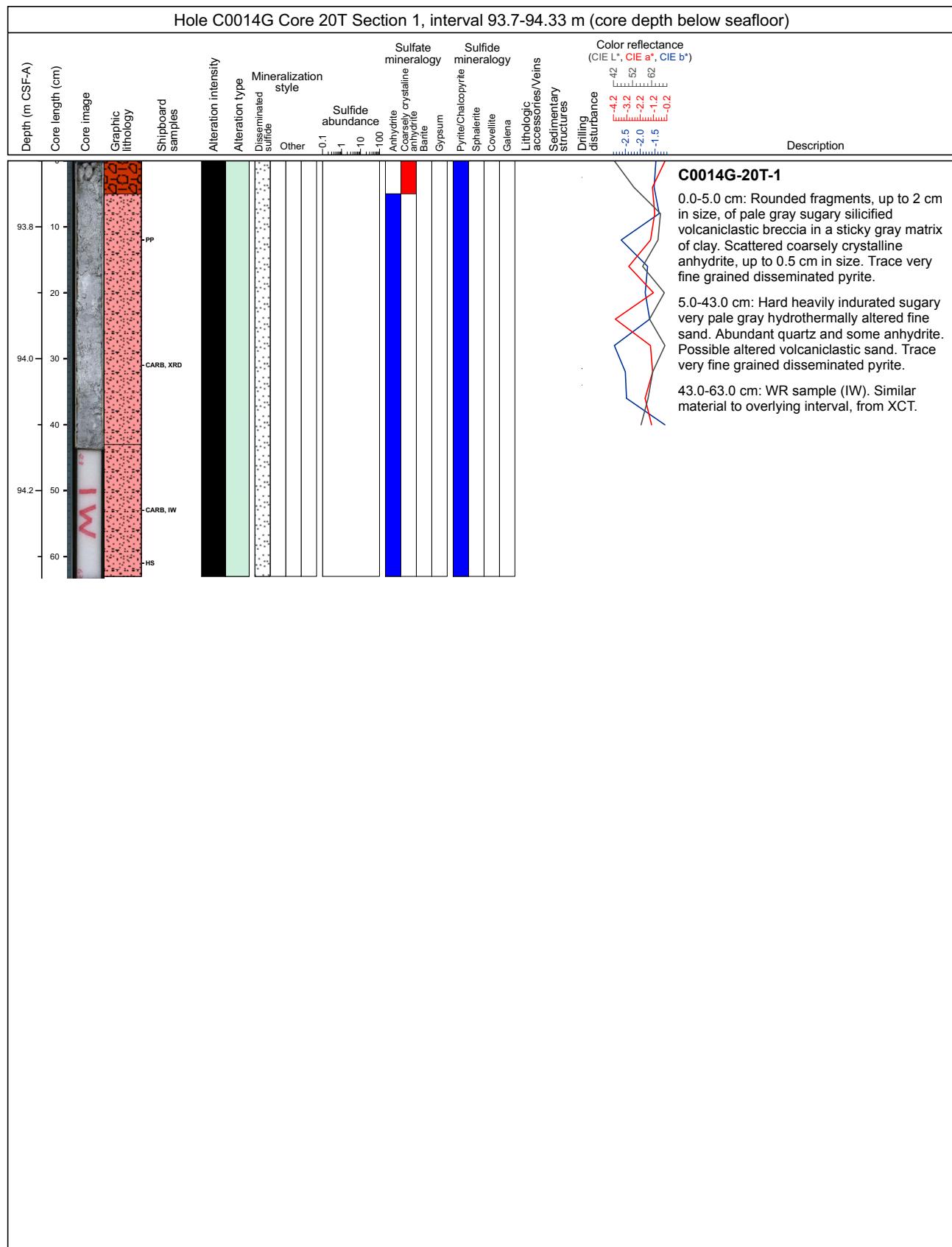
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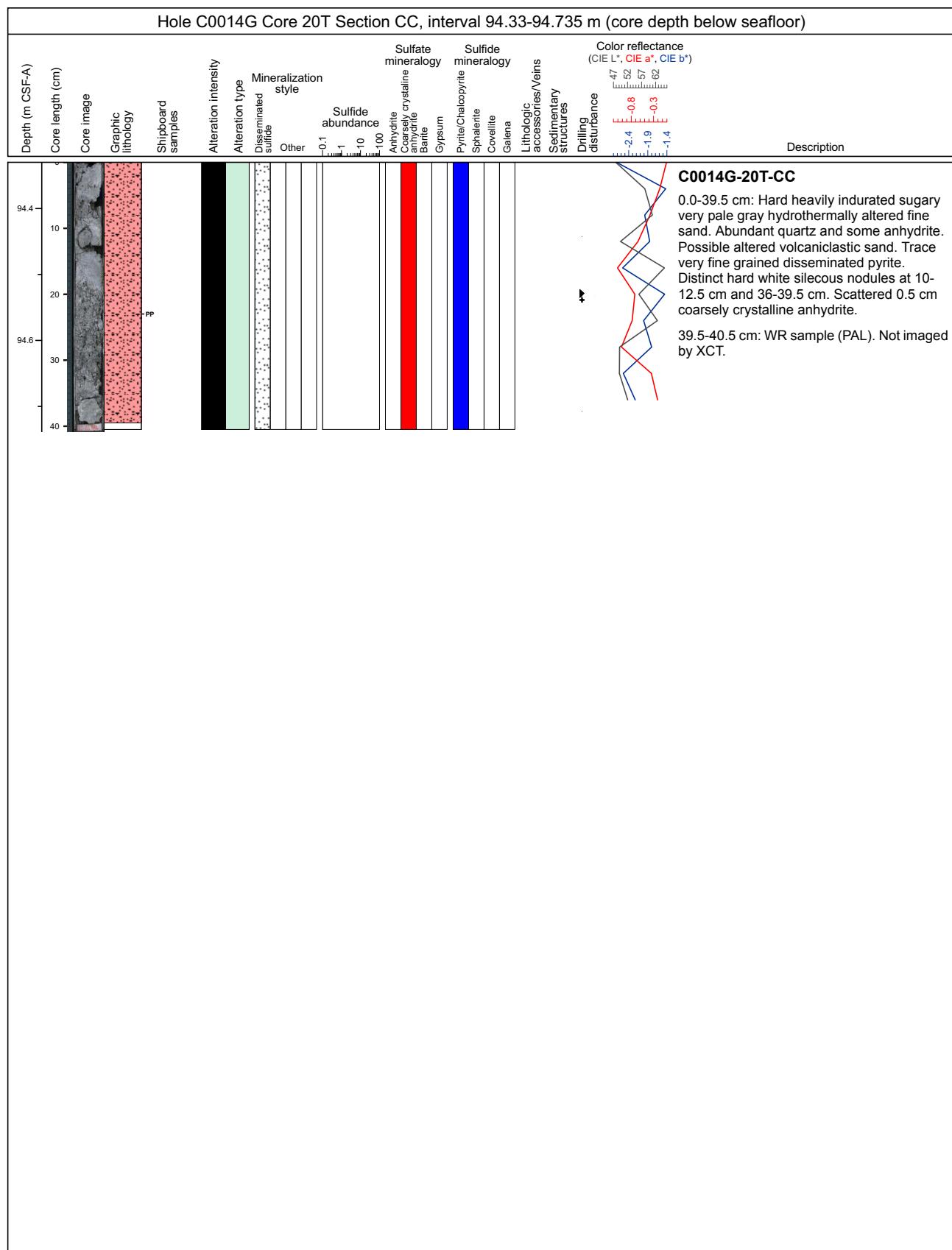
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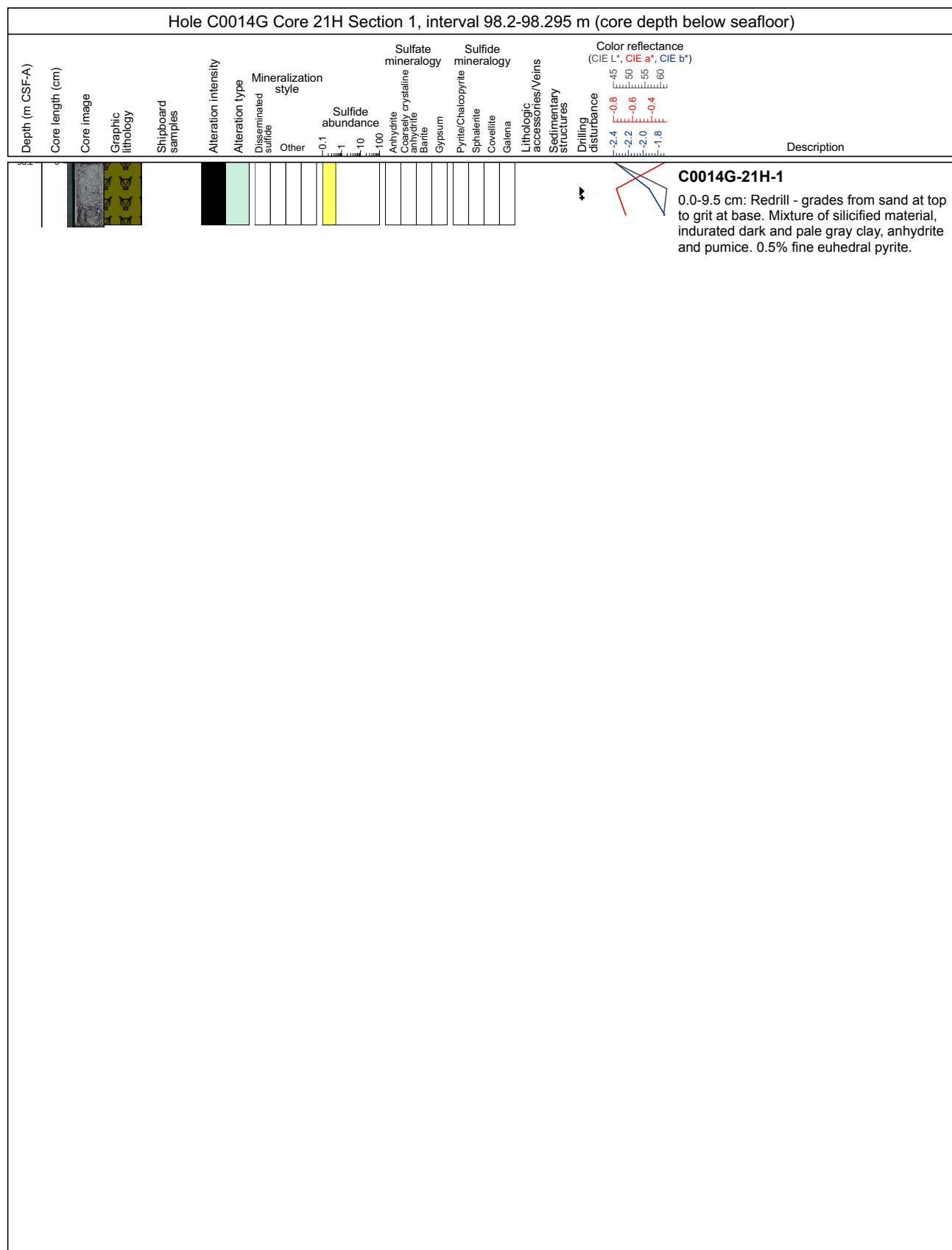
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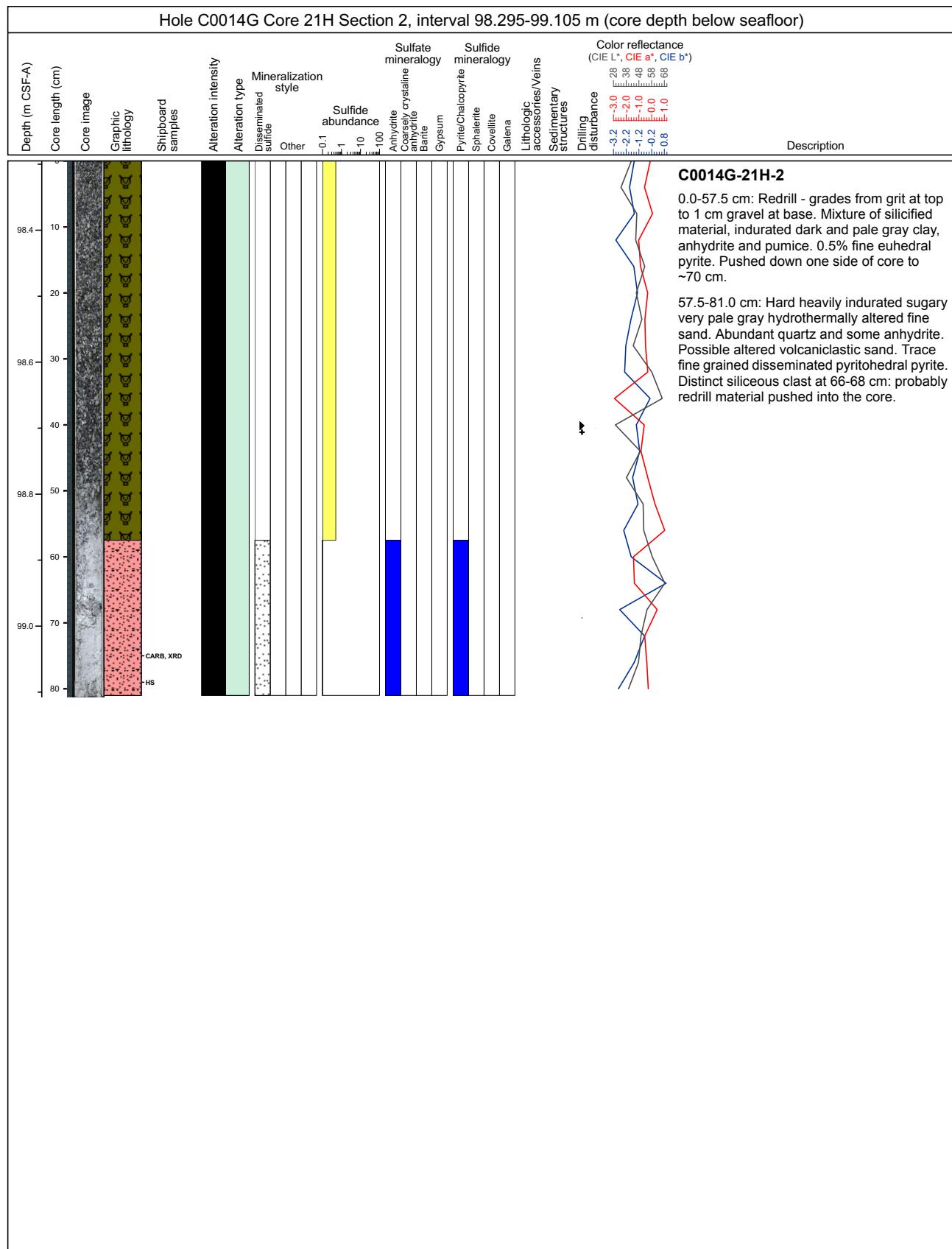
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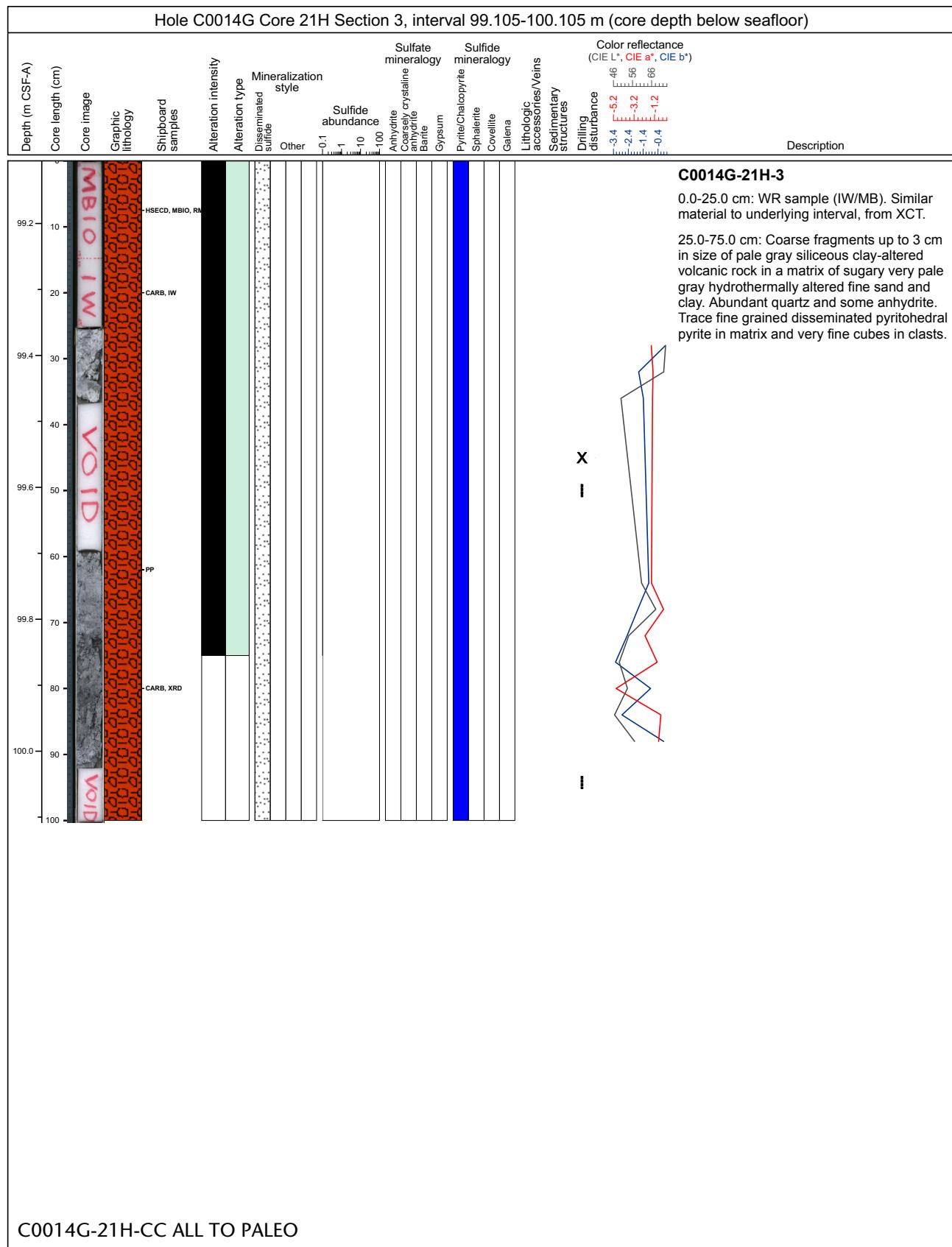
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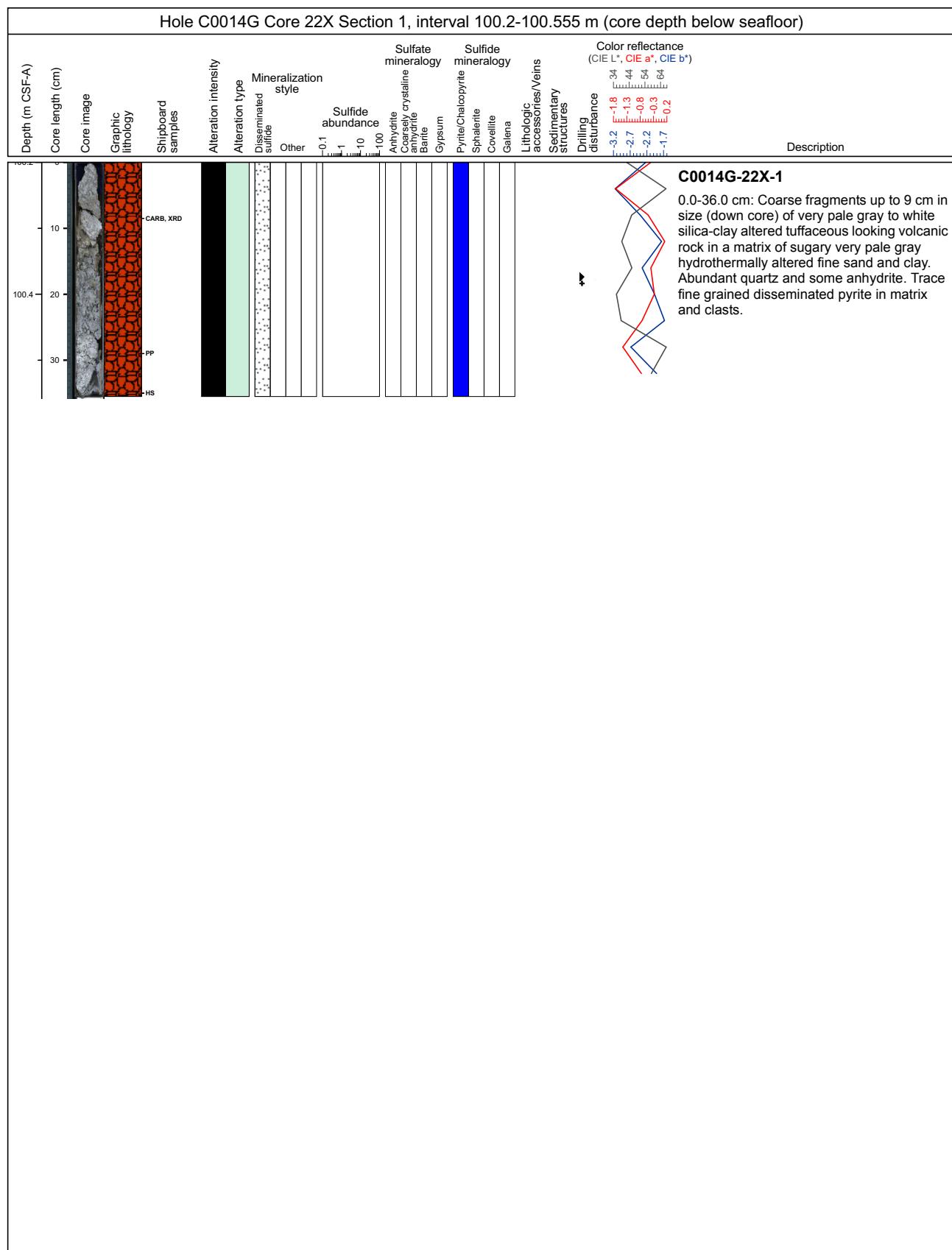
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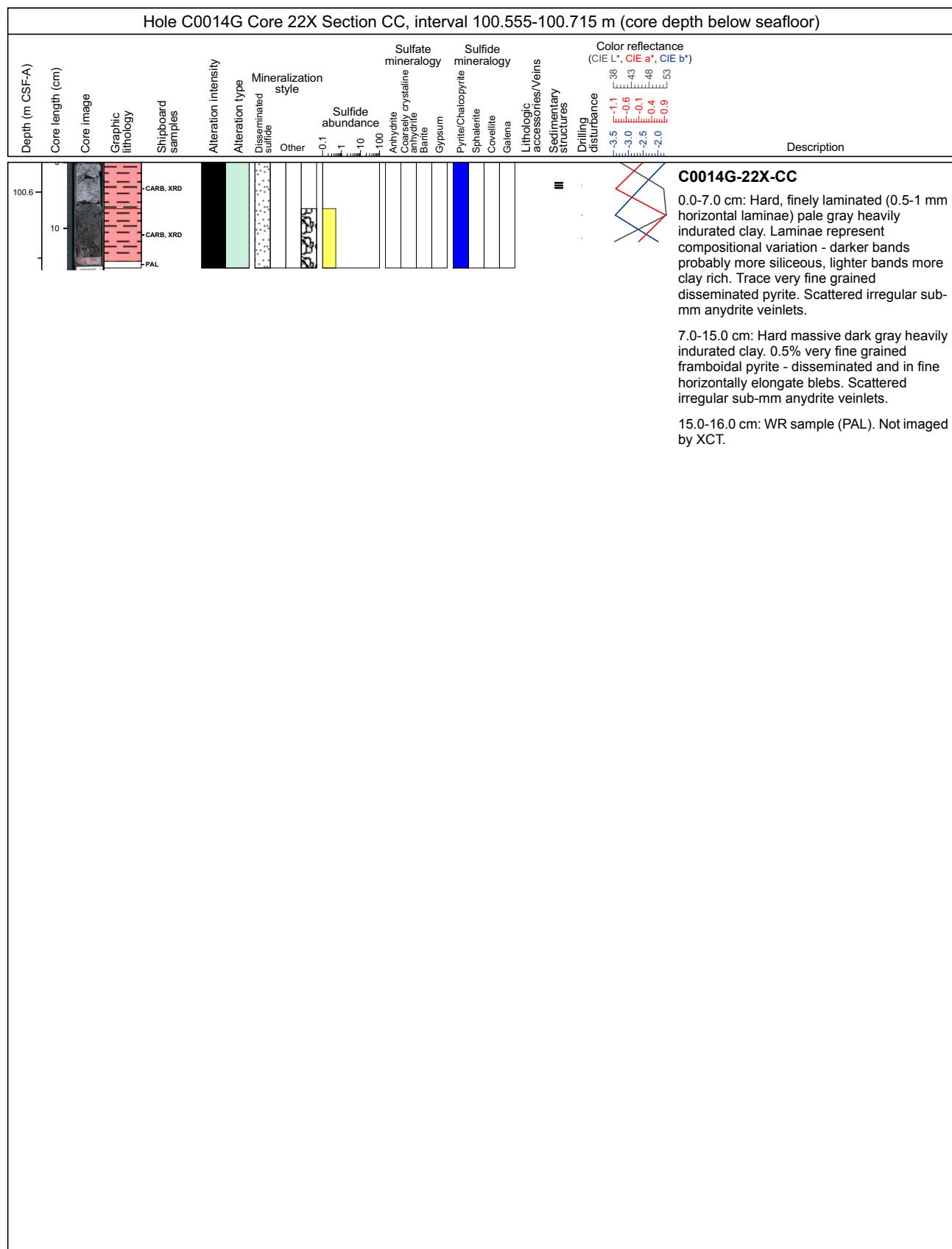
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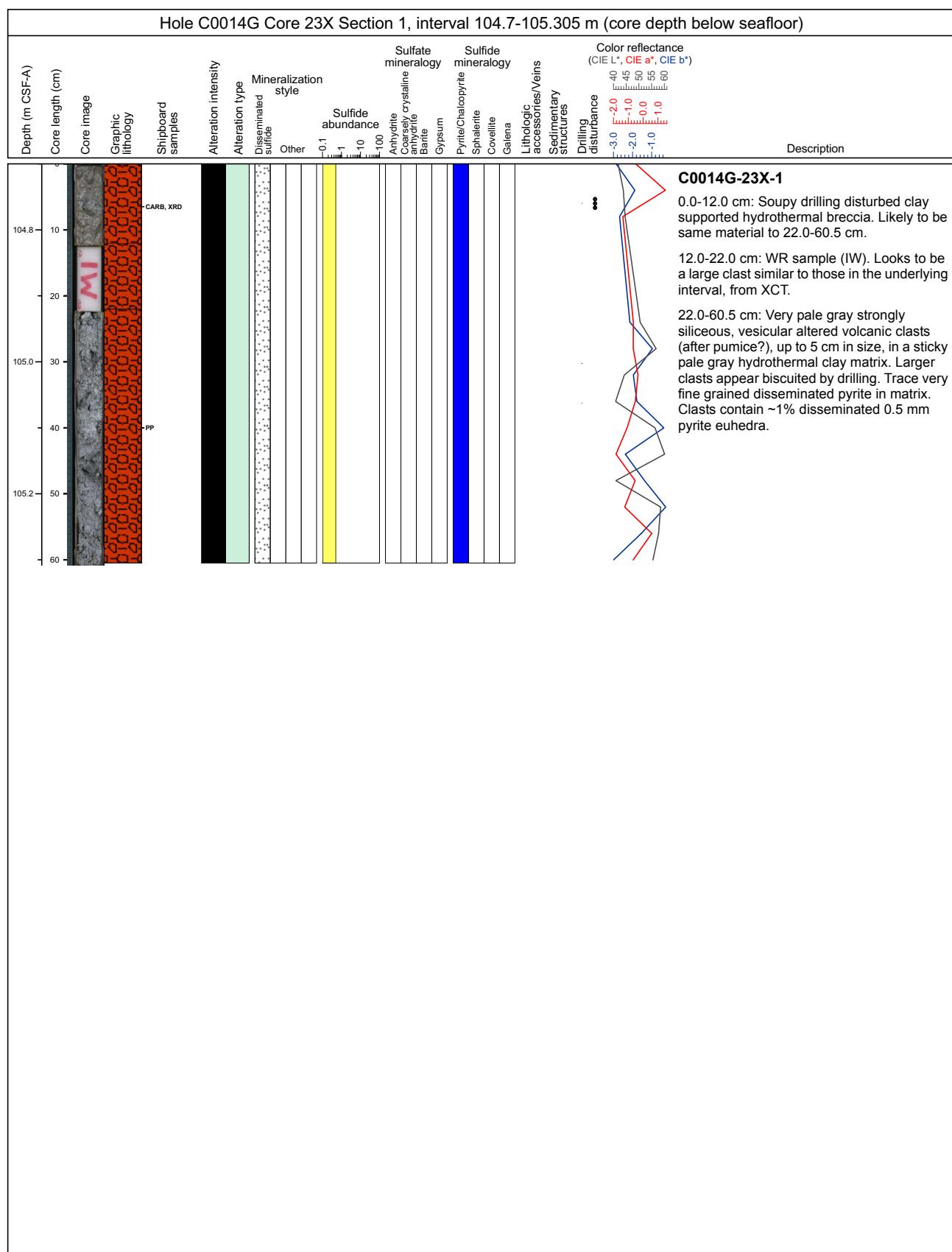
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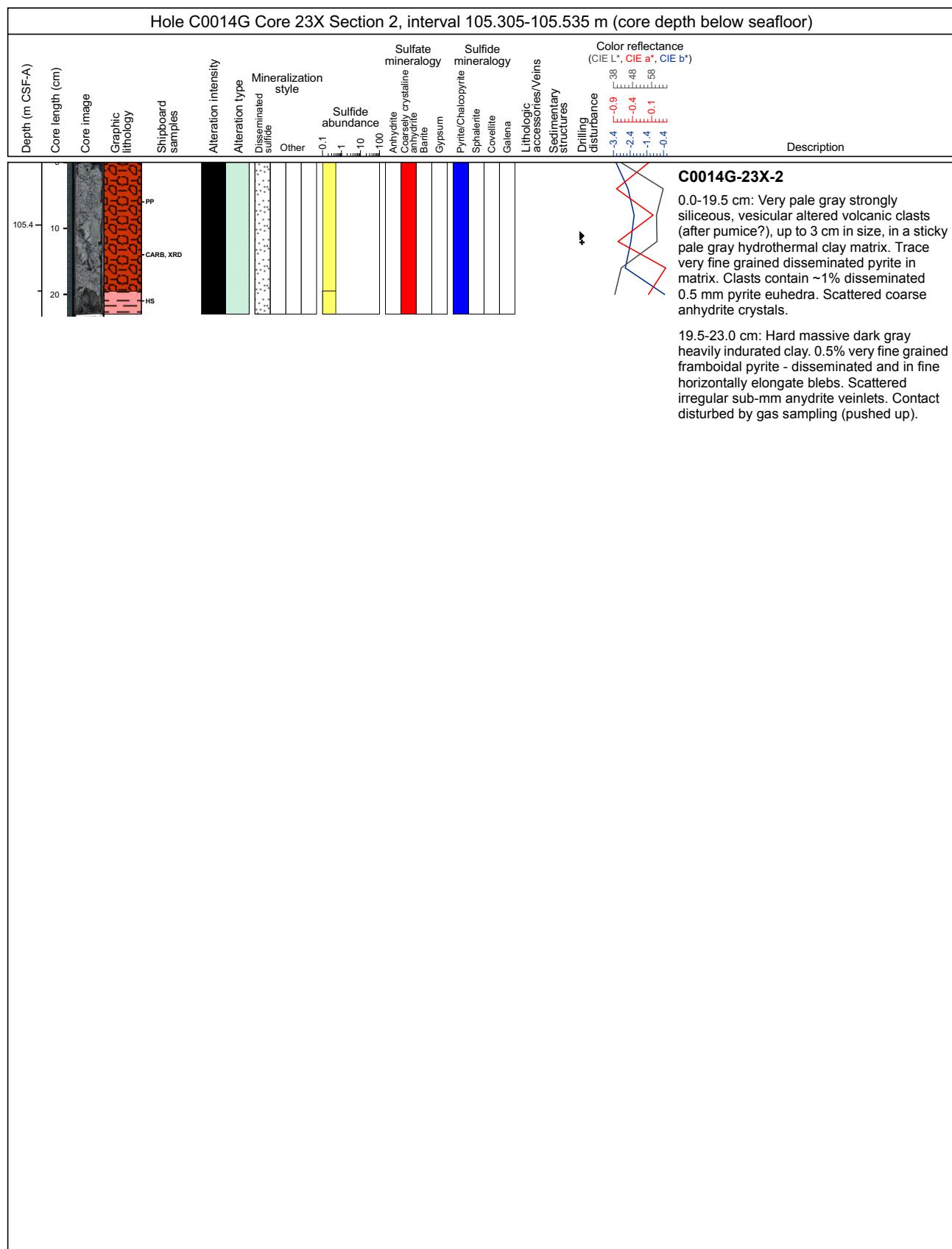
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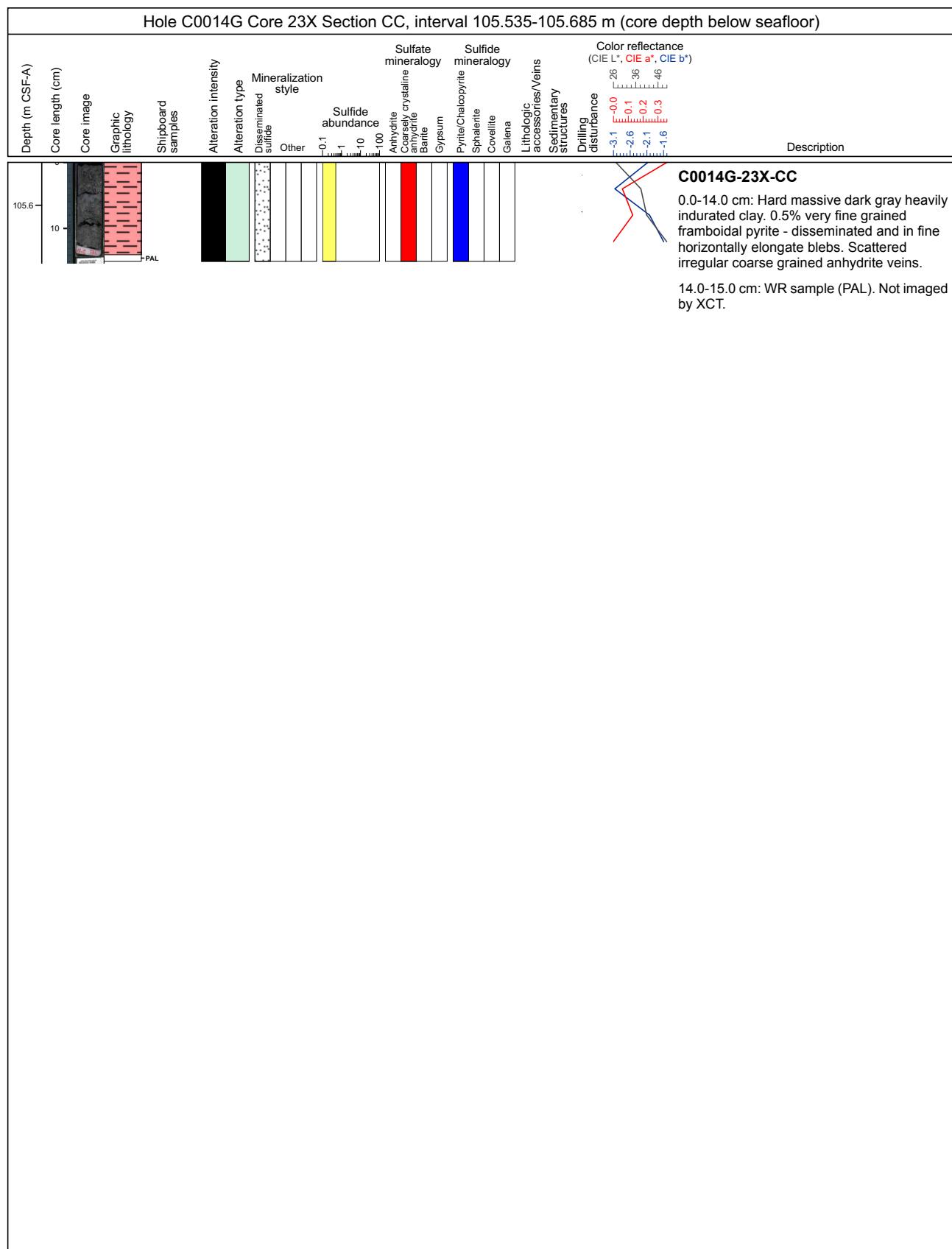
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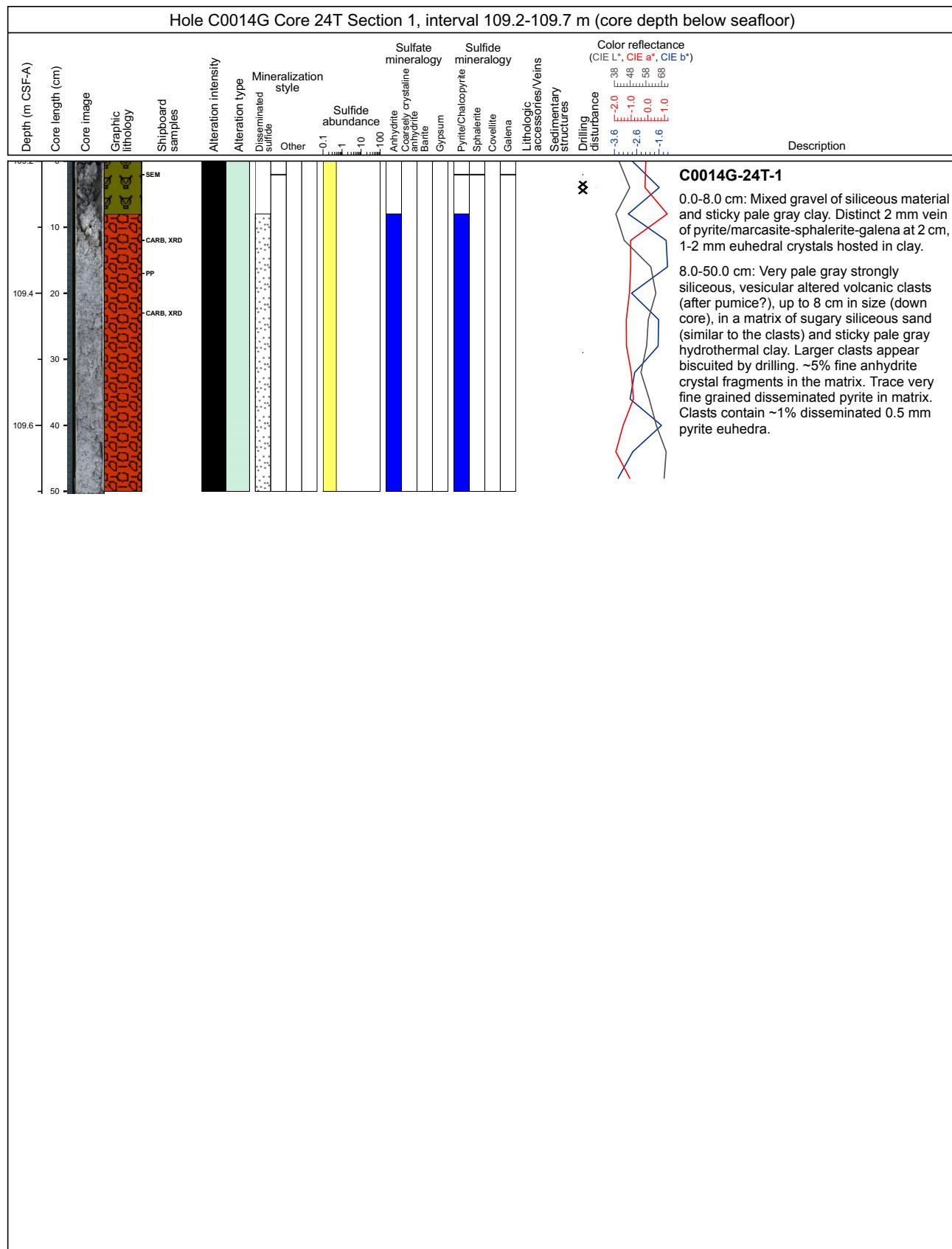
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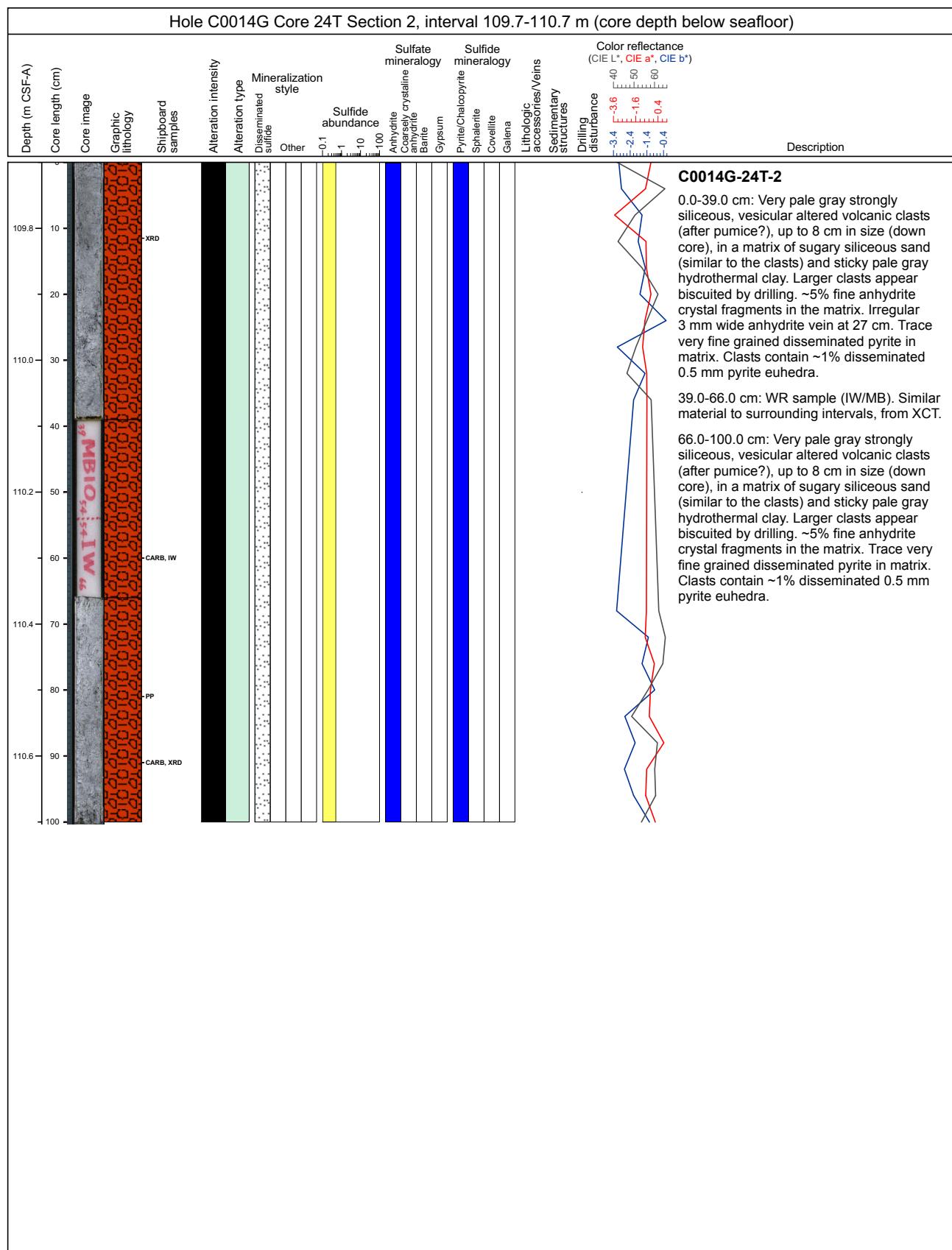
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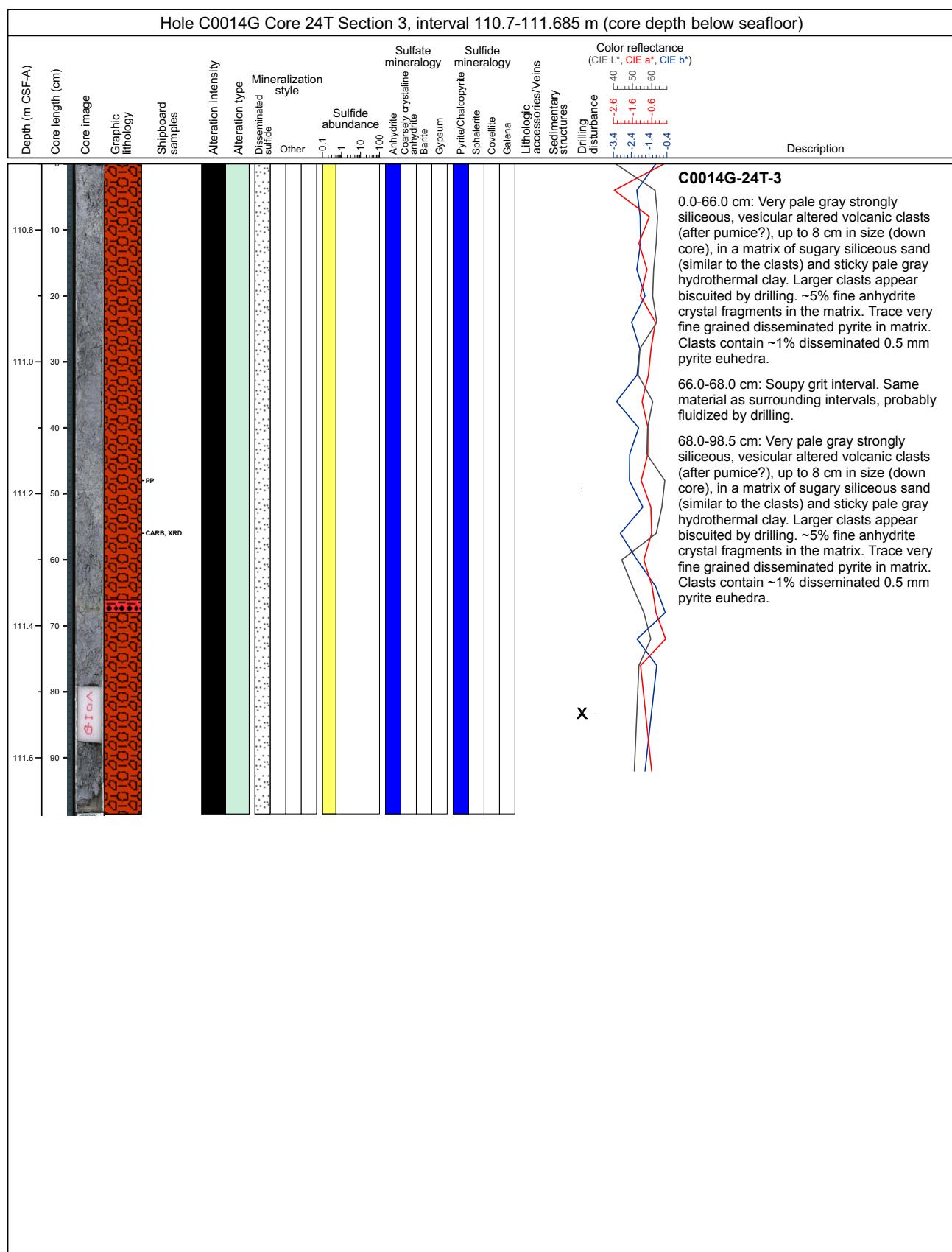
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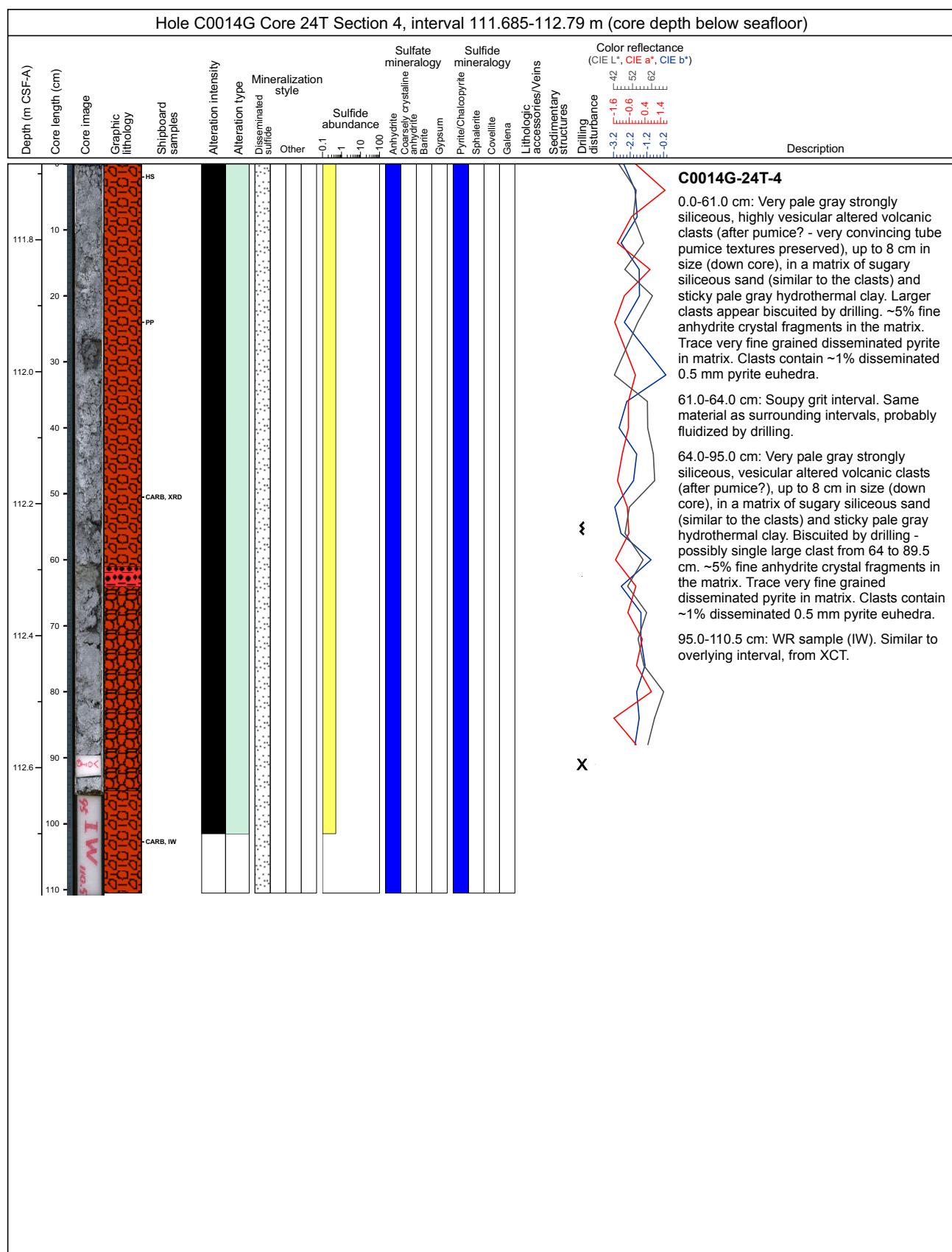
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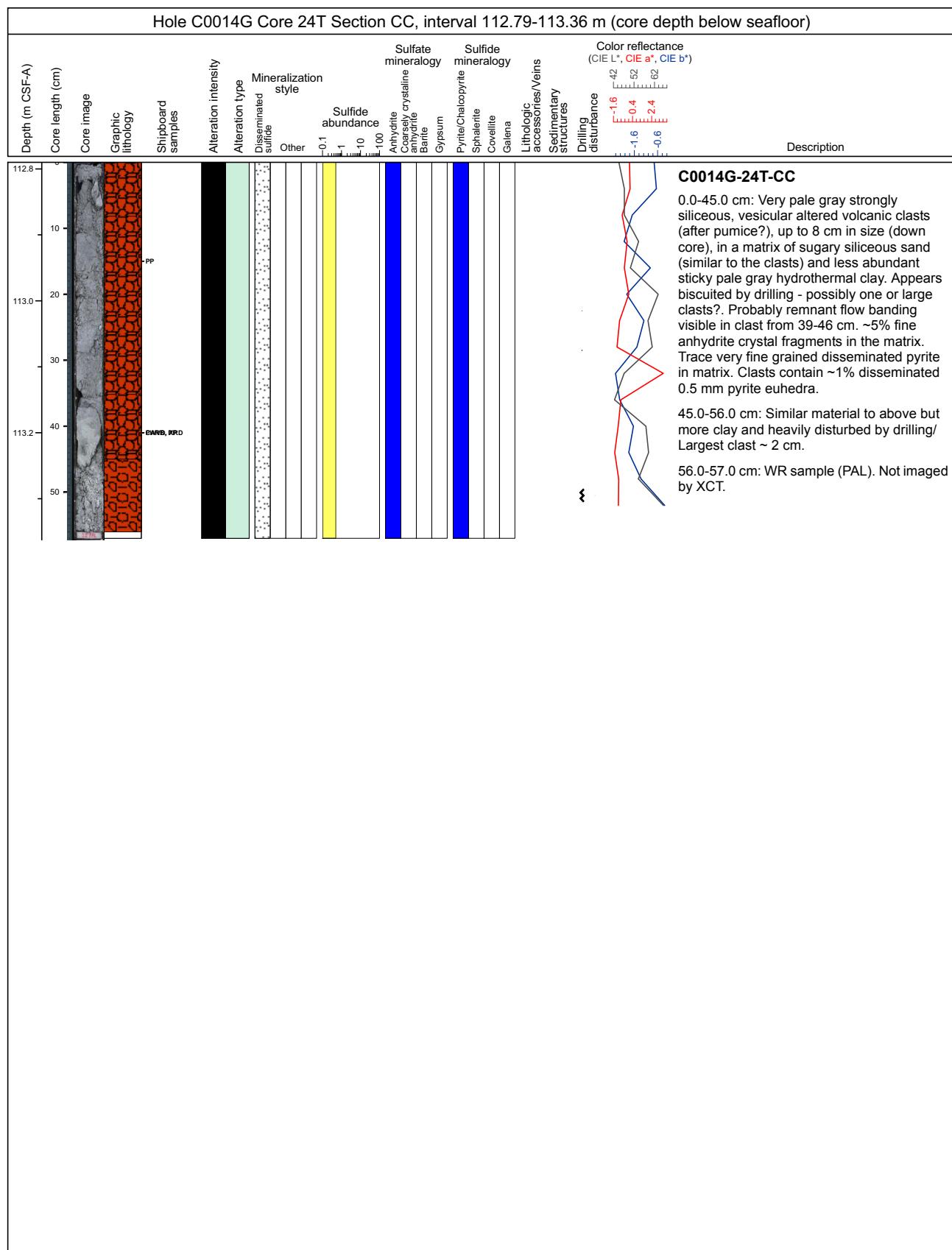
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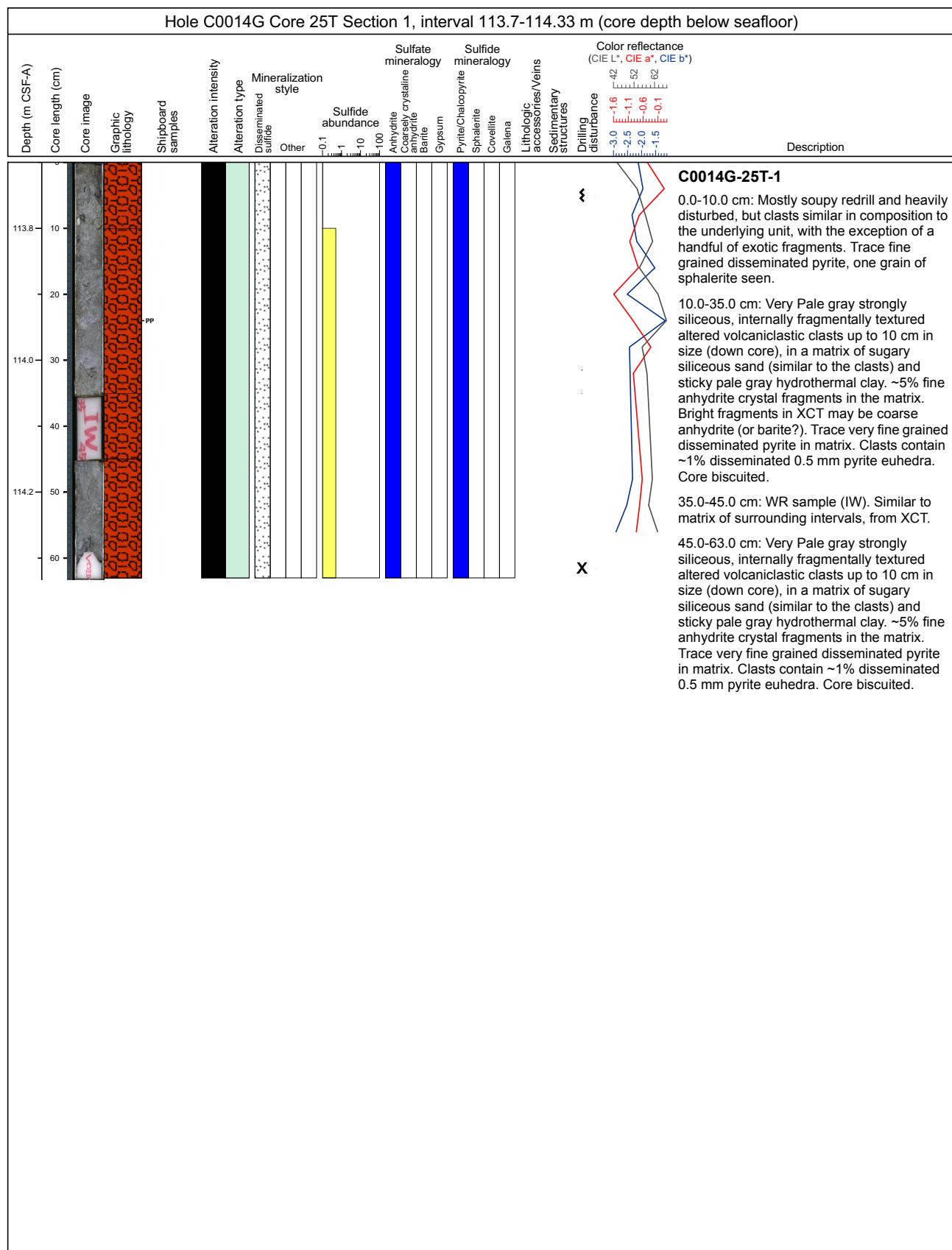
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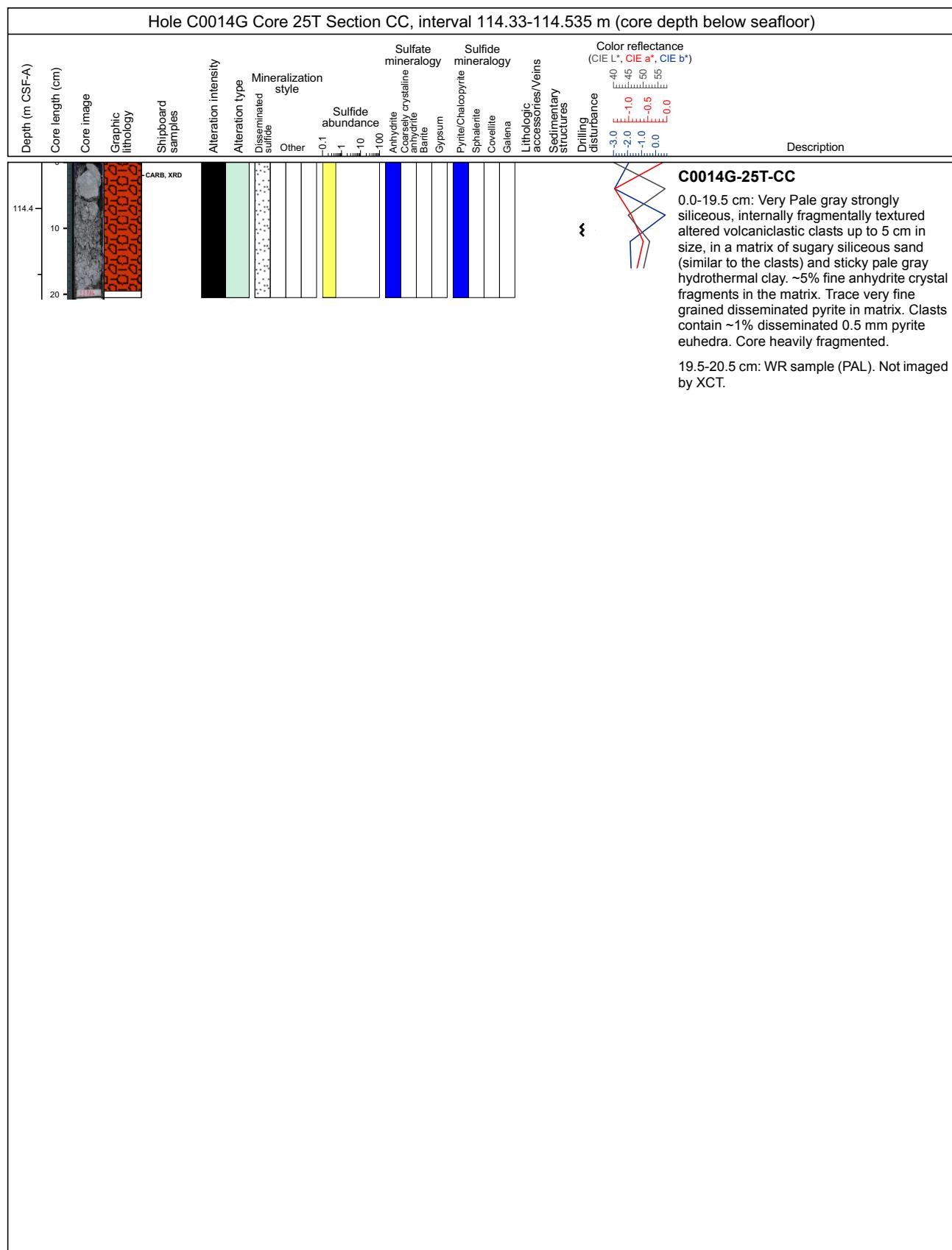
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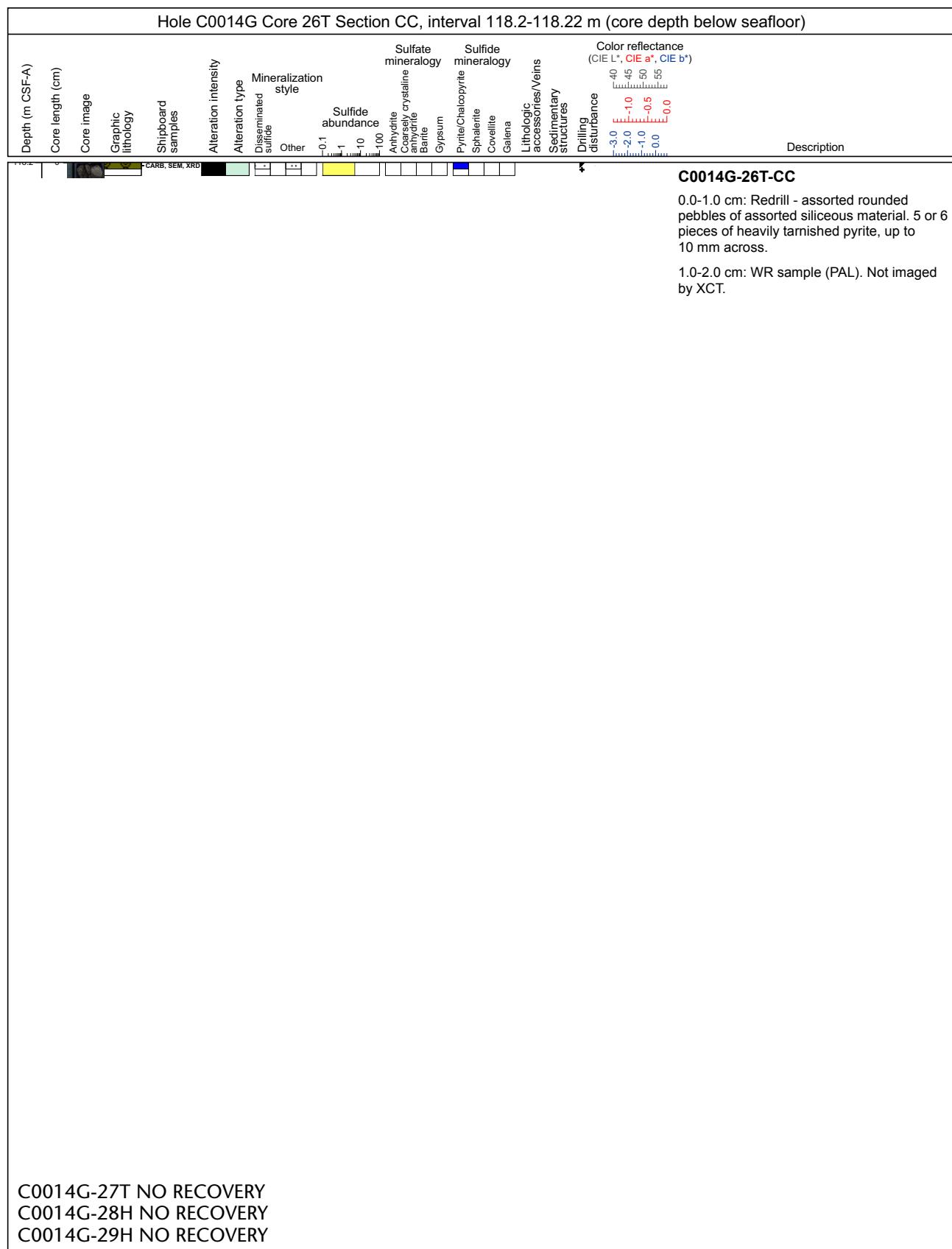
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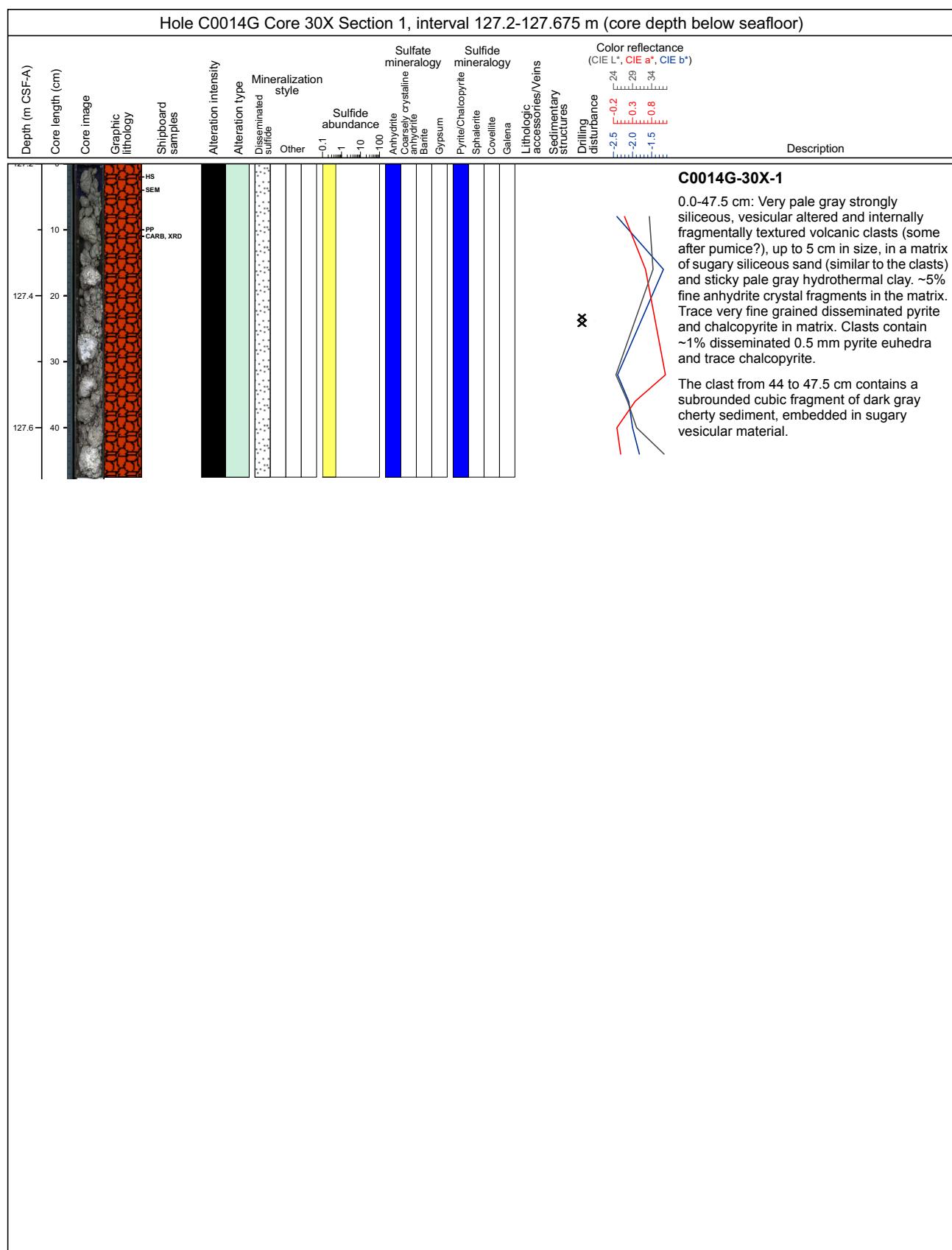
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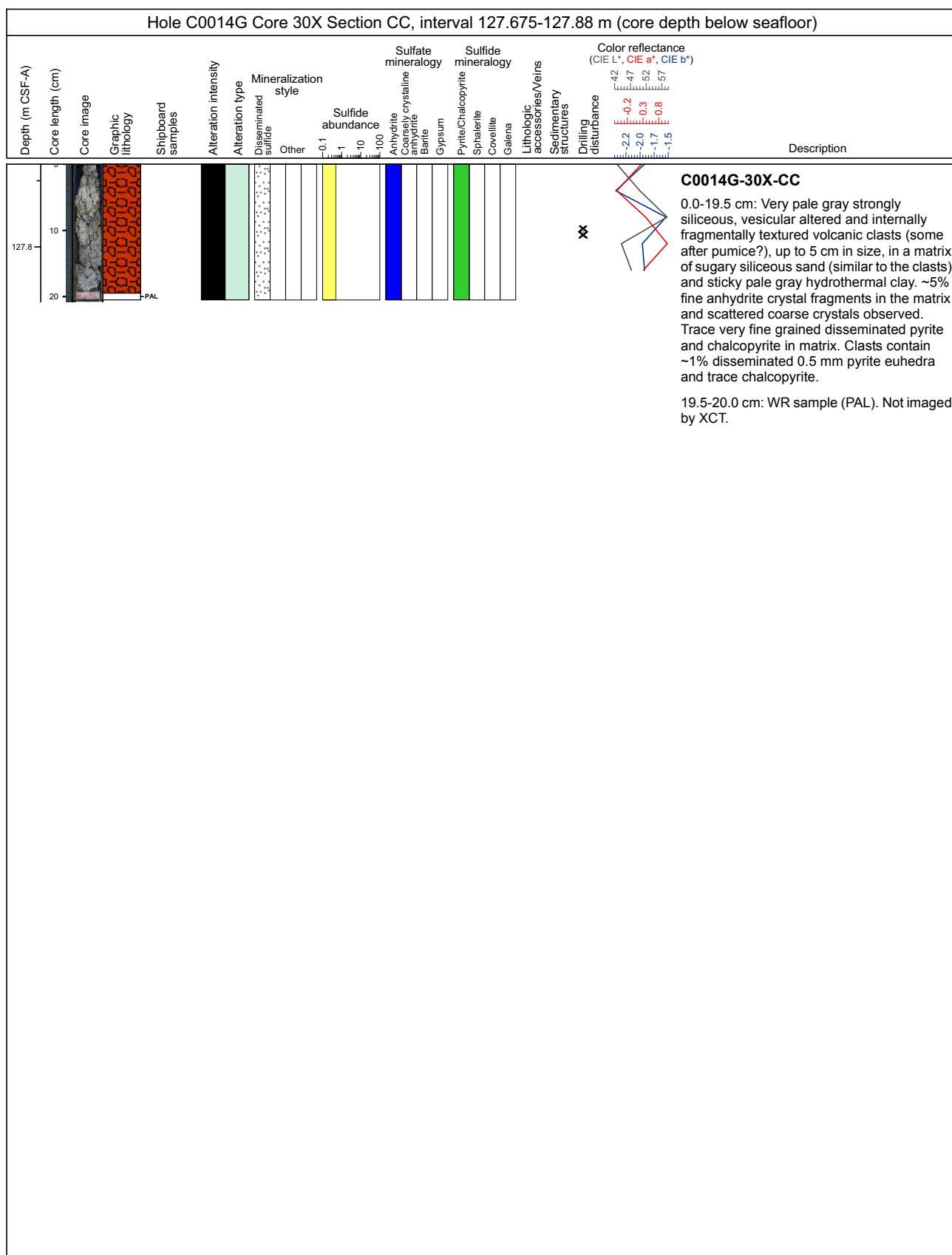
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Core Photo



C0014E-2H-6: 122-124 cm

Macroscopic description: Altered, formerly plagioclase-phyric silicified volcanic clast.

Thin section mineralogy:

Quartz	60%	Muscovite	2%
Clay	30%	Pyrite	1%

Description:

Very poor quality thin section – mostly polished back to epoxy mount. Where material is preserved the rock comprises a dirty brown matrix of intergrown fine grained quartz and clay with disseminated euhedral pyrite and rare muscovite. Feldspar pseudomorphs now comprise quartz with central voids (probably clay that has been polished out of the section).

Images (331-C0014E-2H-6_122-124_TSS_nn.PDF)

- 01:** Quartz-clay-pyrite matrix of rock [PPL, x20].
- 02:** Same FOV as 01. Quartz-clay-pyrite matrix of rock. [XPL, x20].
- 03:** Same FOV as 01. Quartz-clay-pyrite matrix of rock. [RL, x20].
- 04:** Same FOV as 01. Quartz-clay-pyrite matrix of rock. [XPRL, x20].
- 05:** Quartz pseudomorphing feldspar, with a central void (polished out clay) [PPL, x20].
- 06:** Same FOV as 05. Quartz pseudomorphing feldspar, with a central void (polished out clay) [XPL, x20].
- 07:** Quartz-clay matrix with minor muscovite. Darker areas are more clay-rich [PPL, x20].
- 08:** Same FOV as 07. Quartz-clay matrix with minor muscovite. [XPL, x20].
- 09:** Same FOV as 07. Quartz-clay matrix with minor muscovite. [RL, x20].
- 10:** Same FOV as 07. Quartz-clay matrix with minor muscovite. [XPRL, x20].



C0014E-2H-8: 132-133 cm

Macroscopic description: Silicified volcanic breccias clast.

Thin section mineralogy:

Quartz unknown % Pyrite unknown %

Description:

Unusable thin section – scattered quartz and pyrite crystals in epoxy.

Images (331-C0014E-2H-8_132-133_TSS_nn.PDF)

None.

