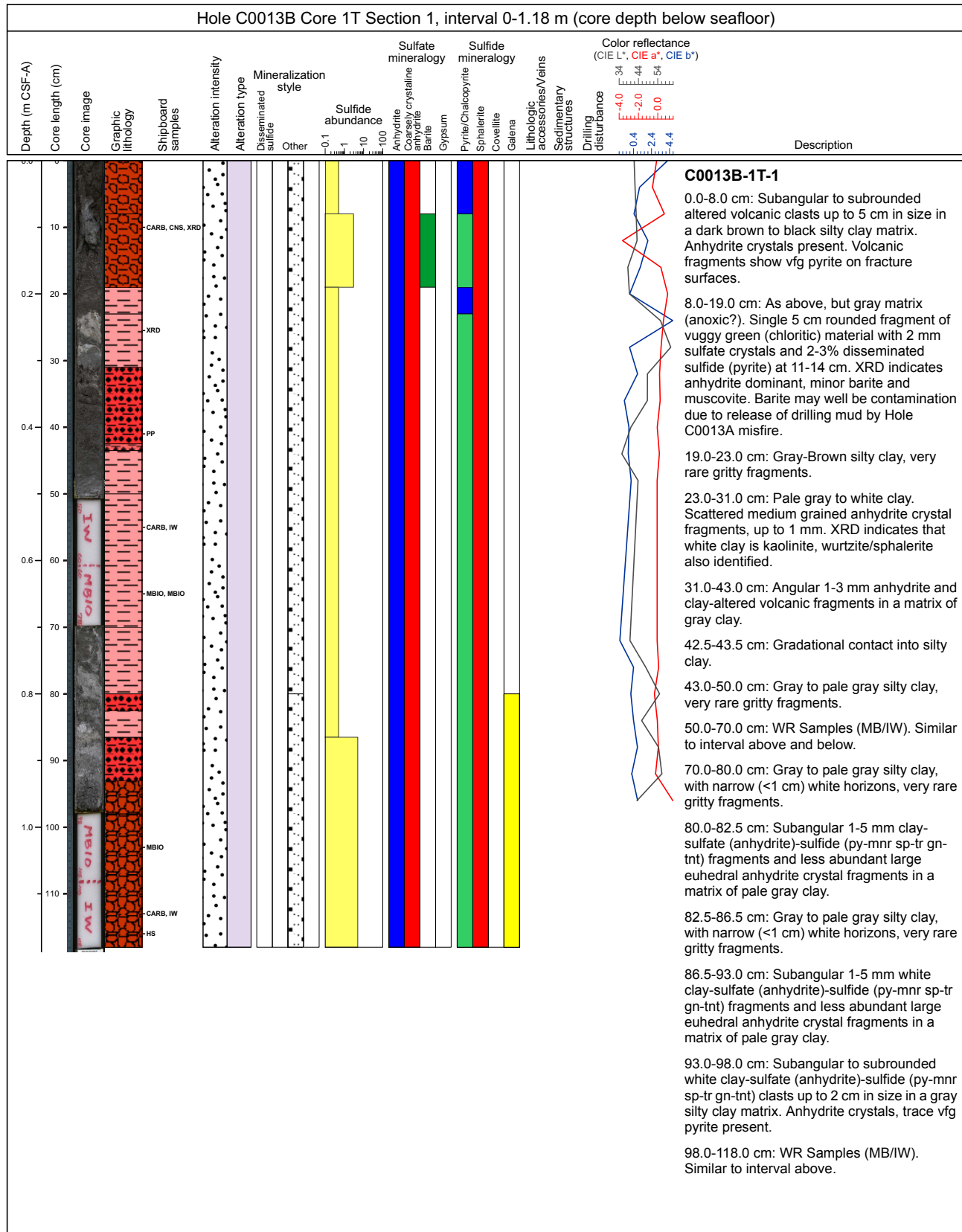
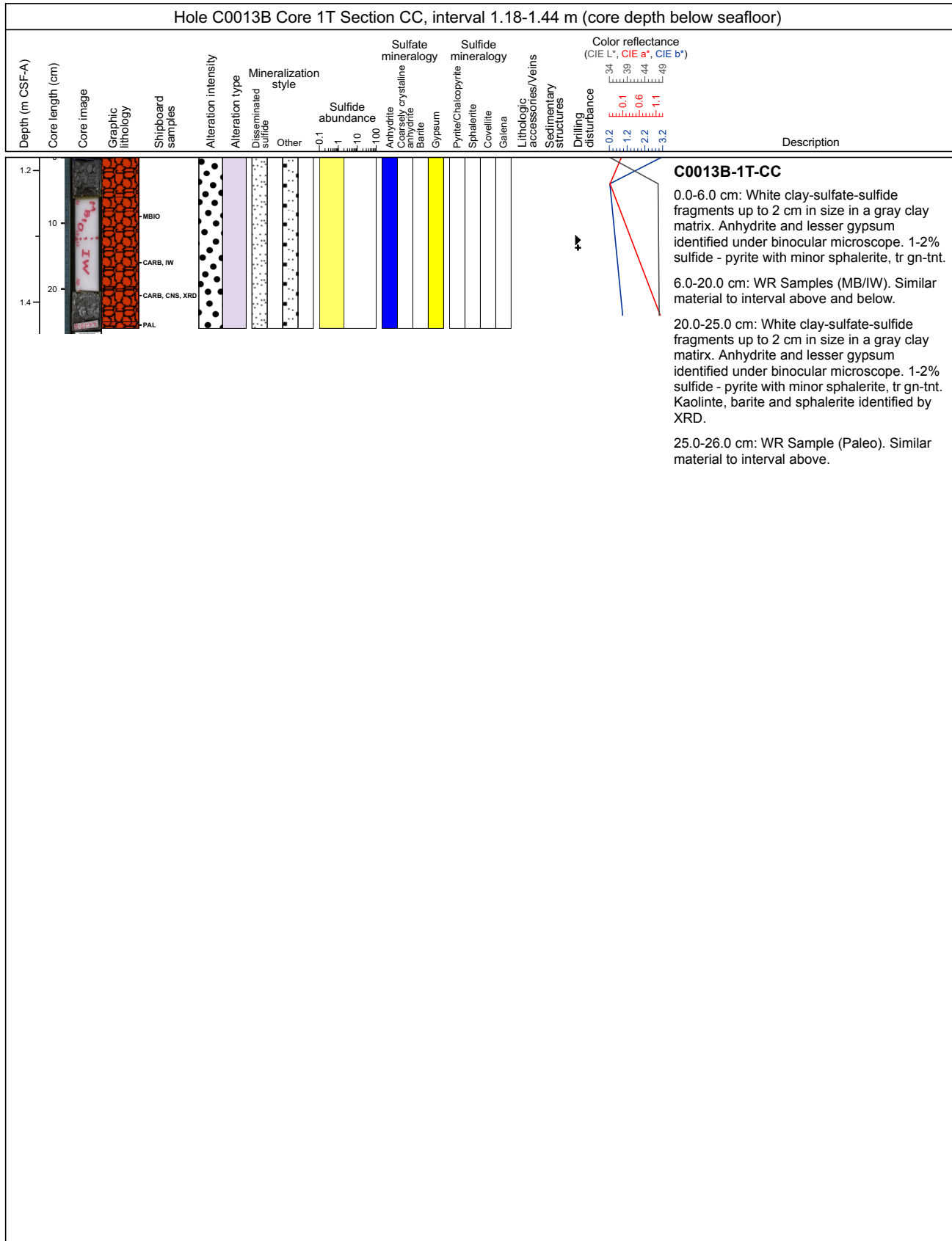


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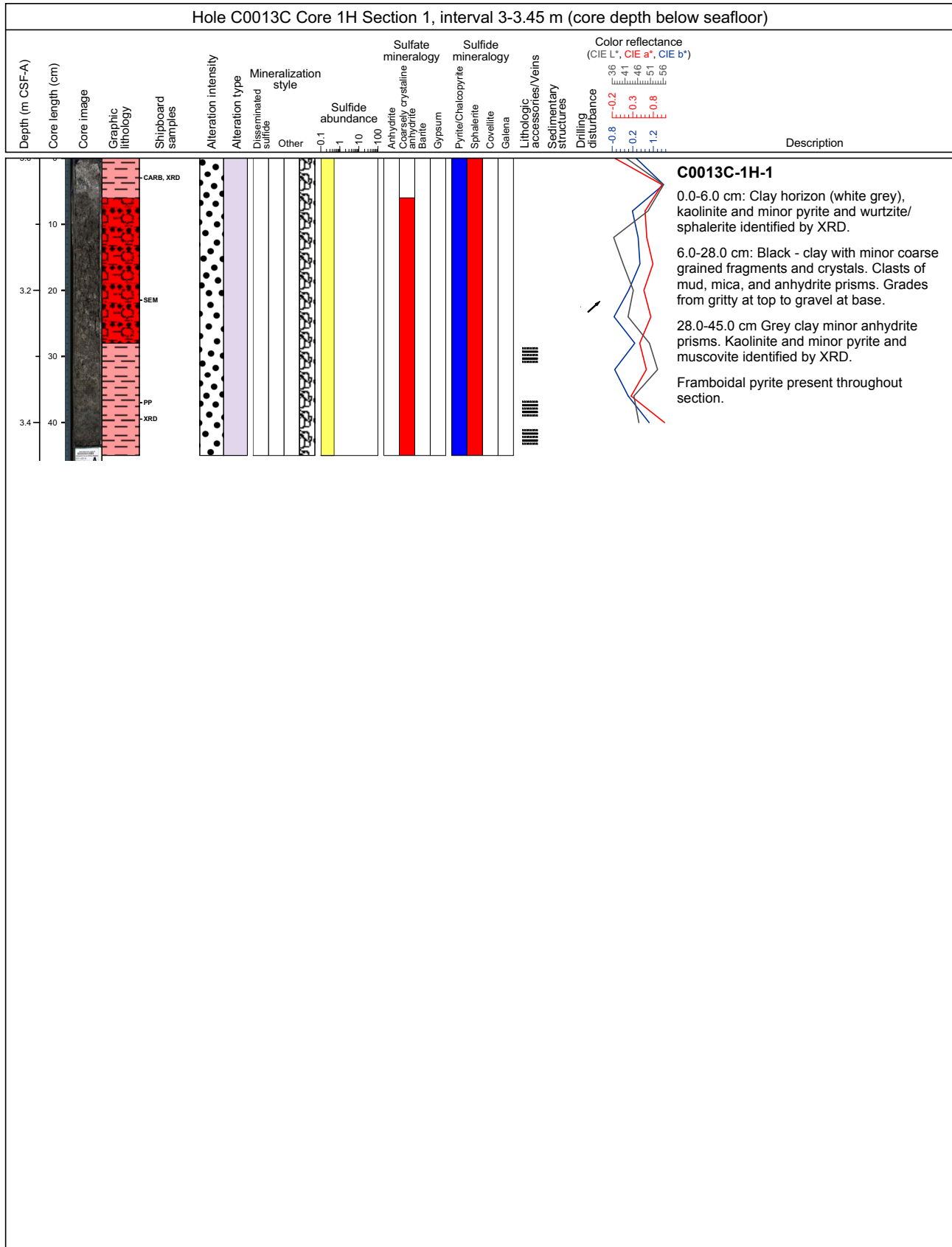
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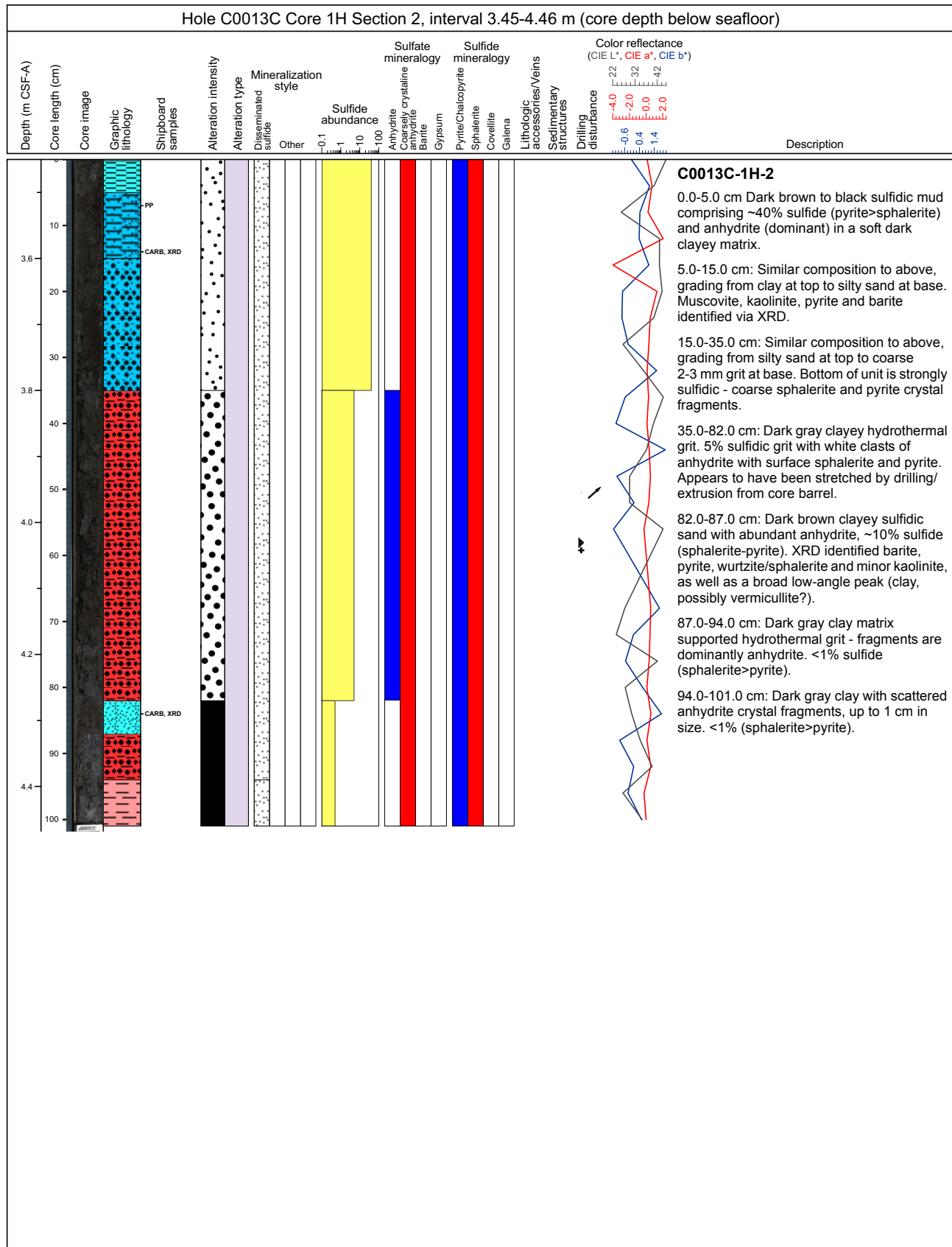
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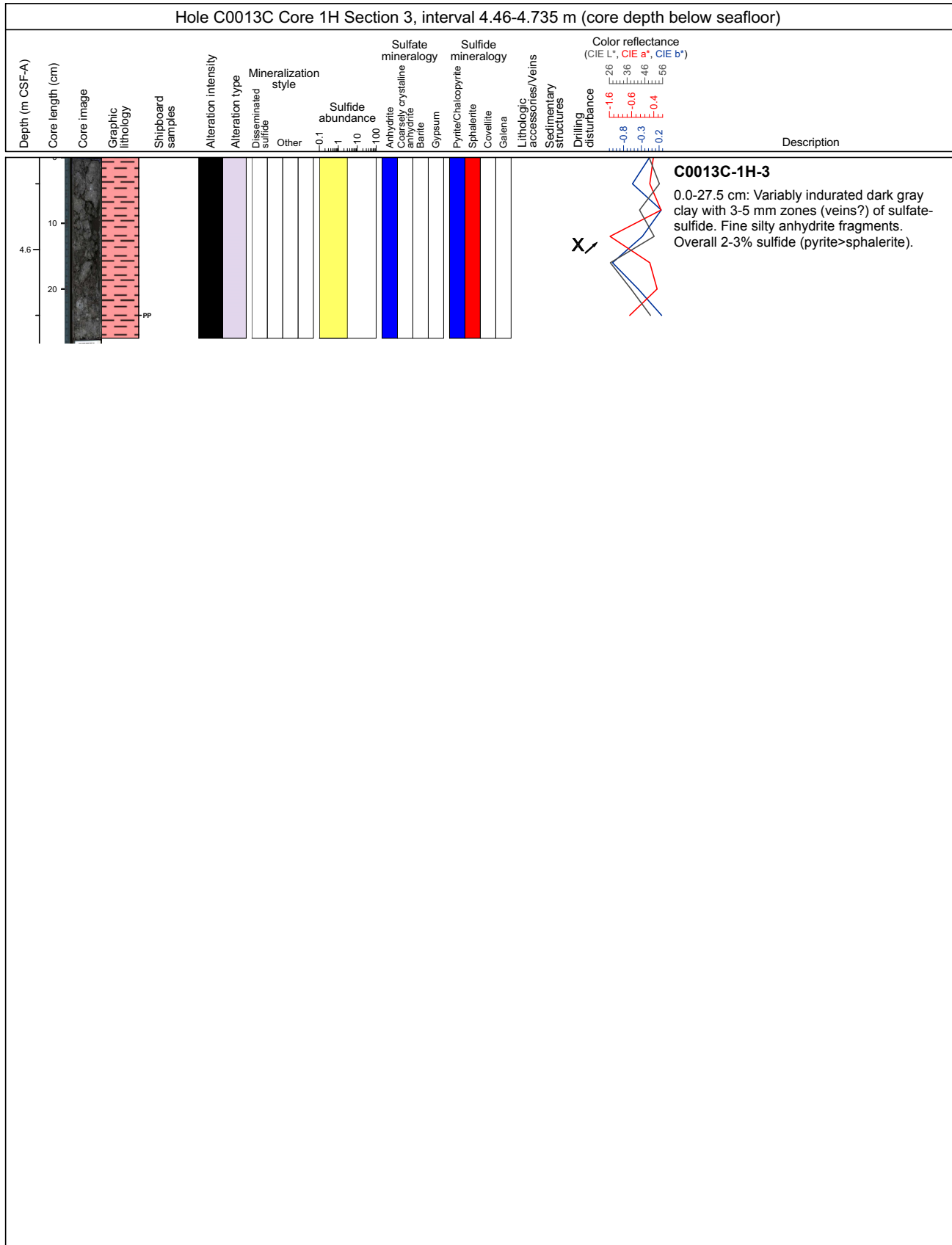
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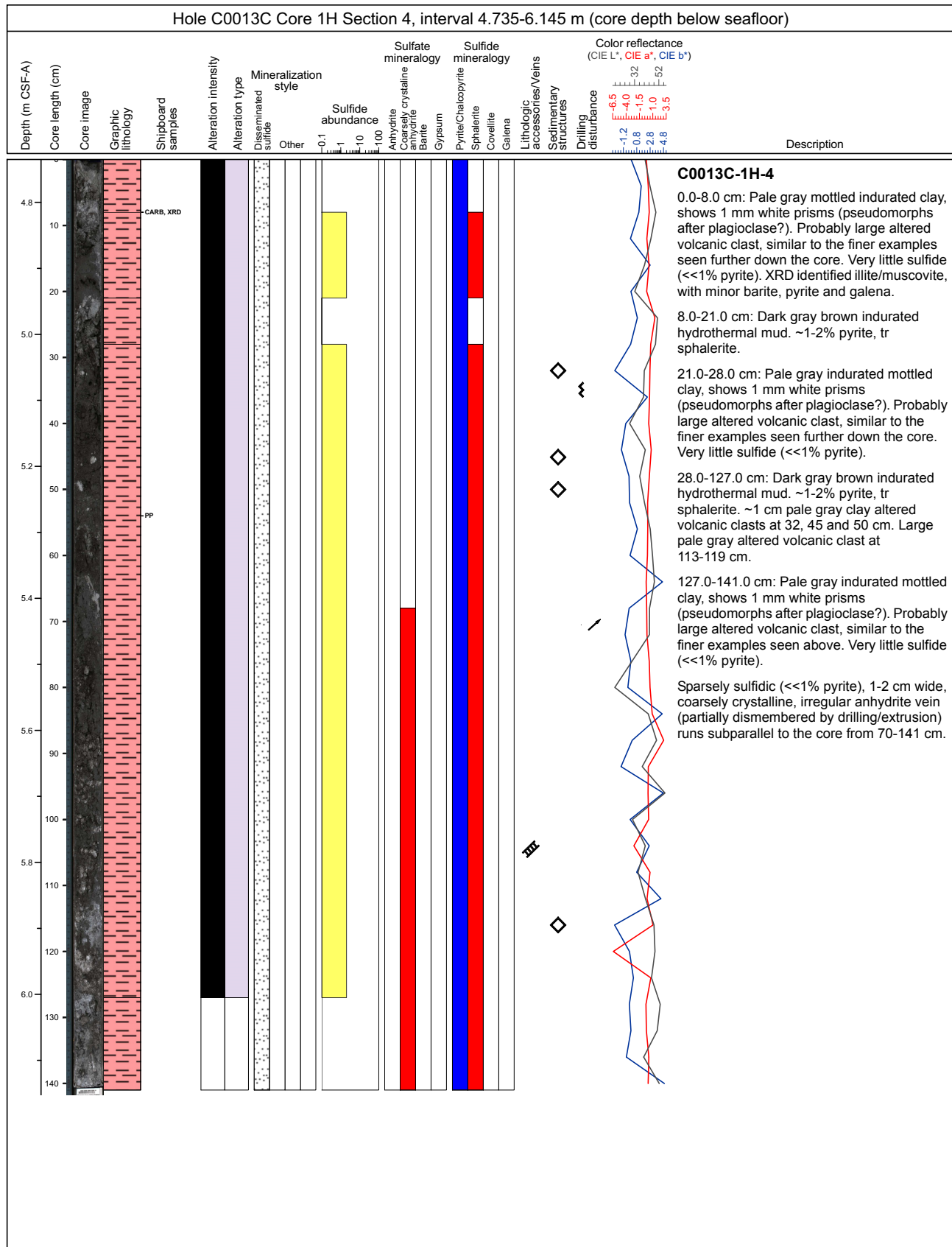
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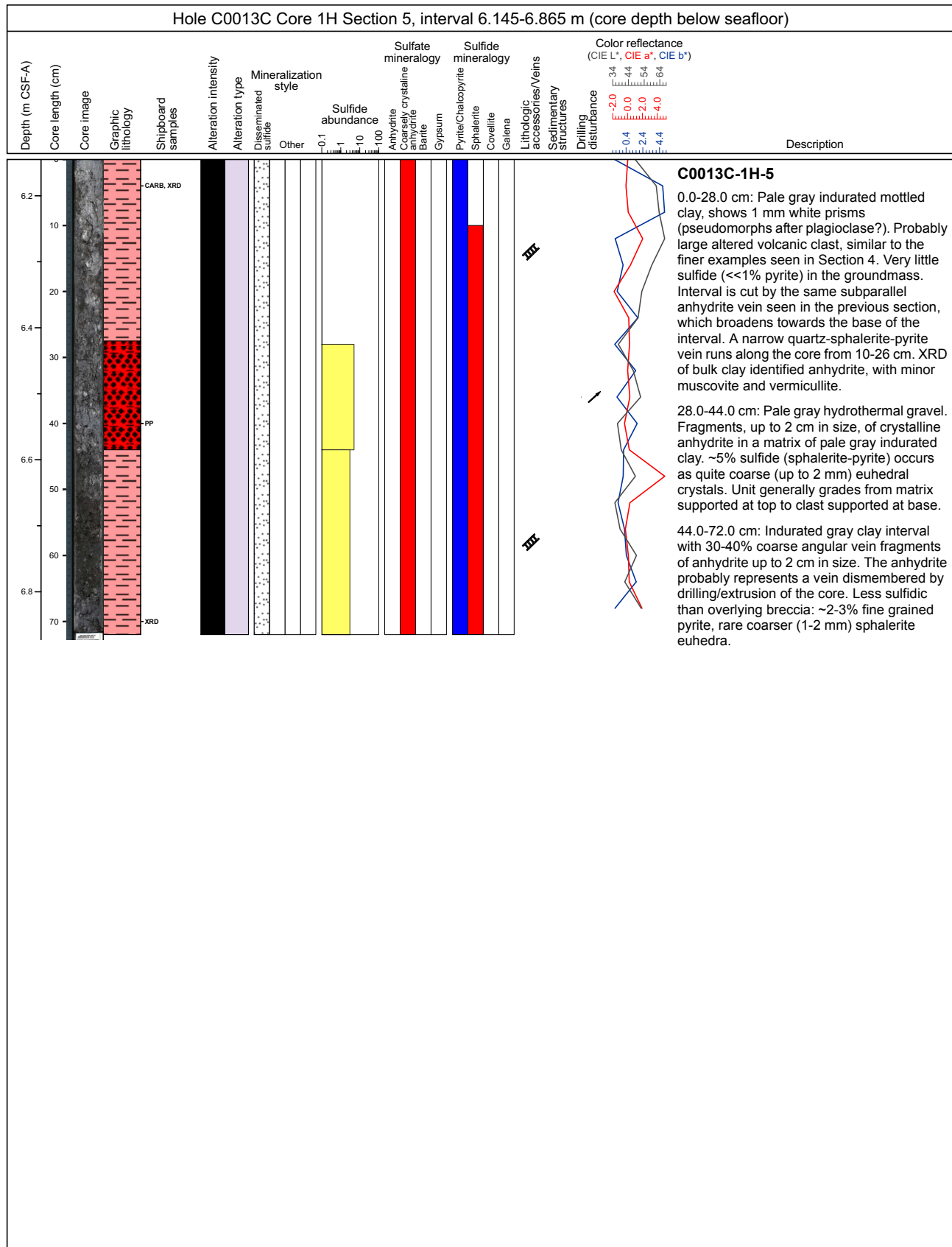
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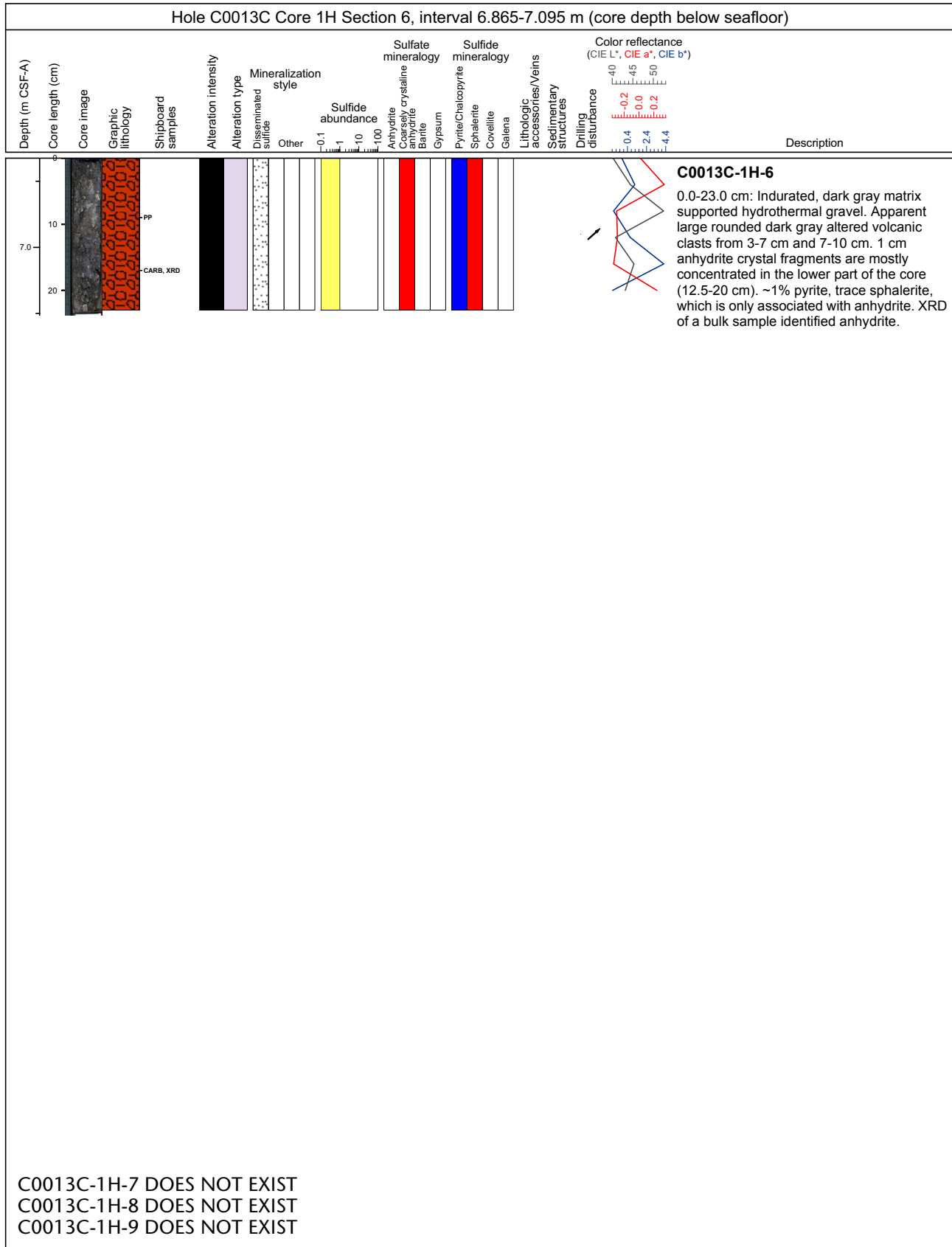
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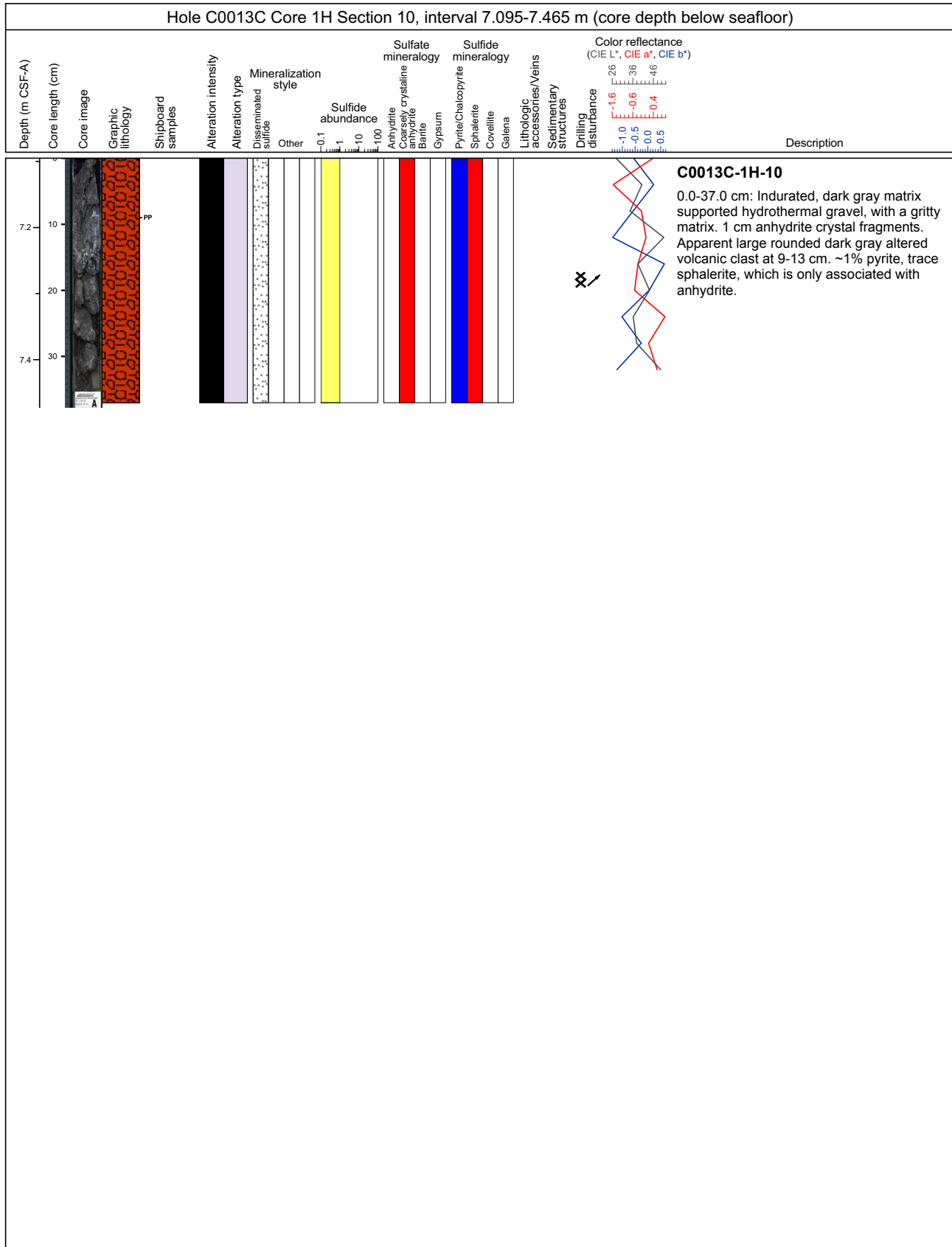
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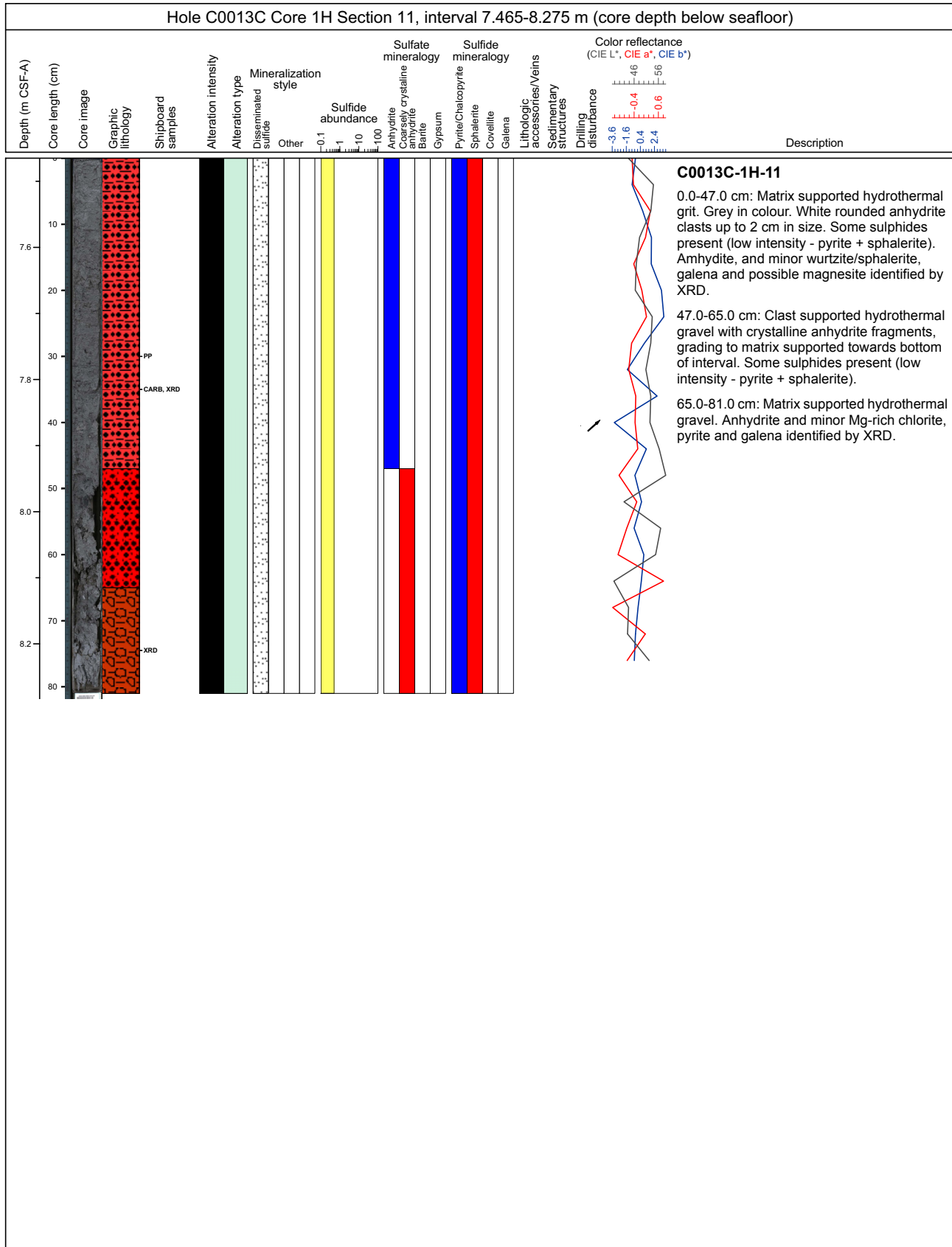
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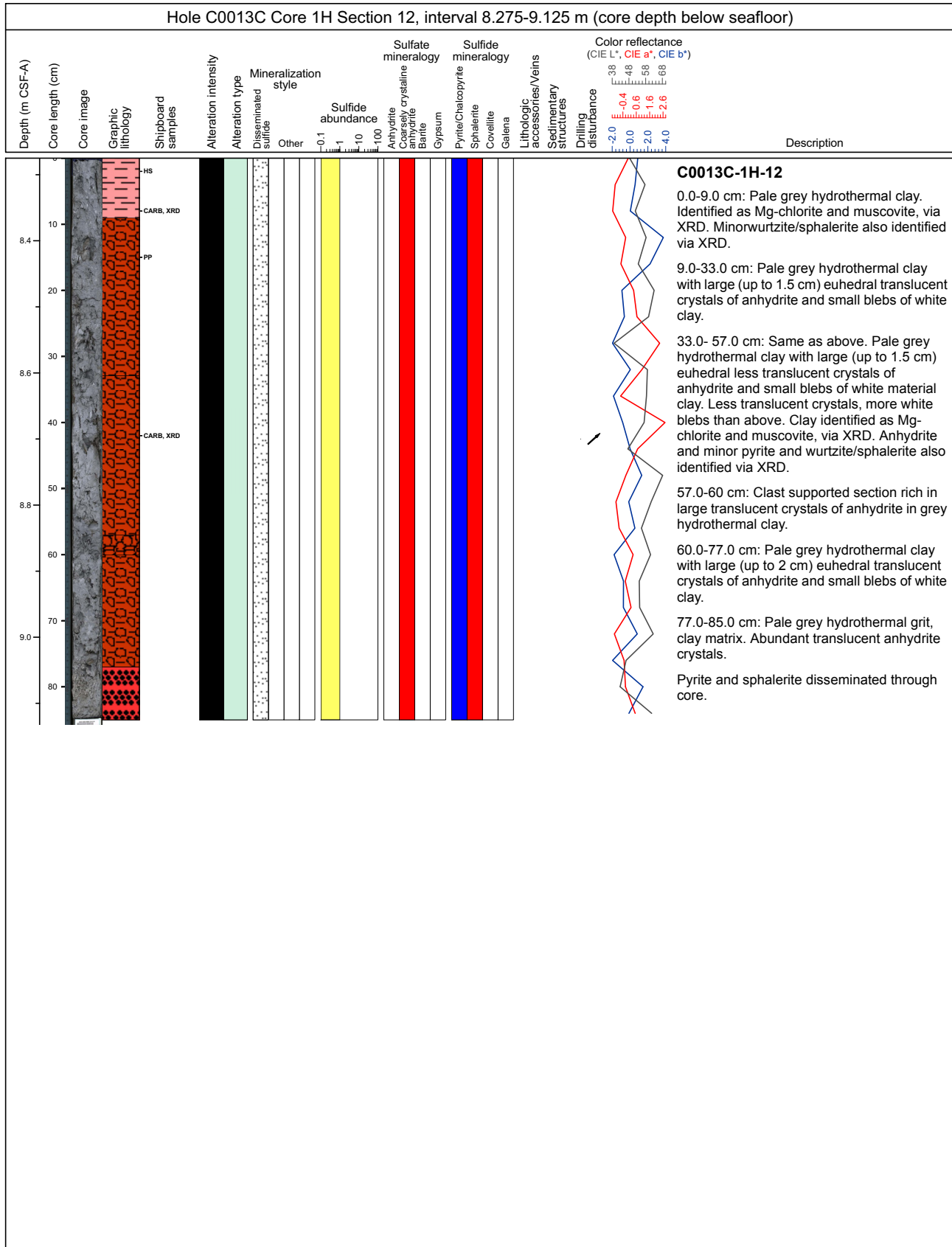
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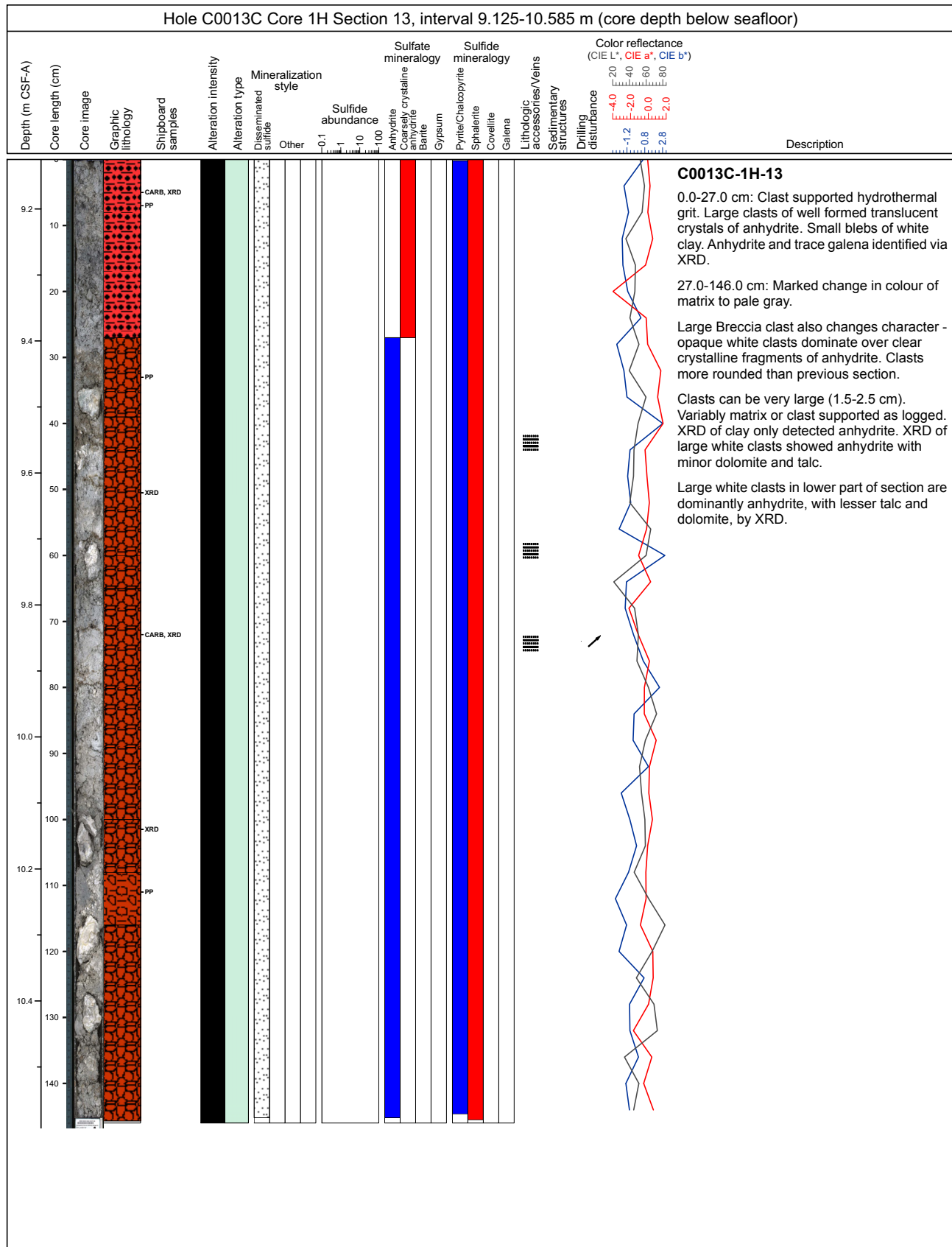
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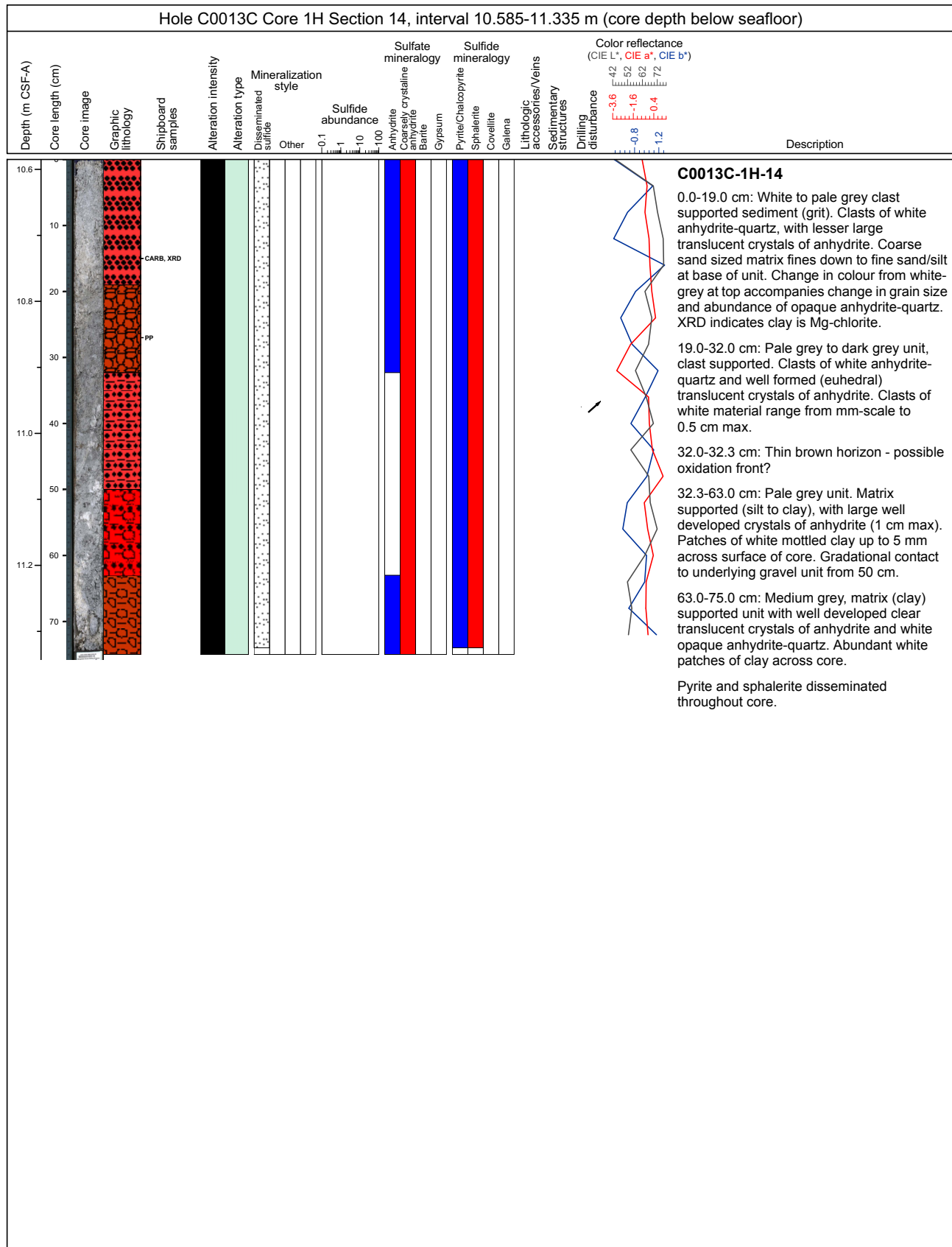
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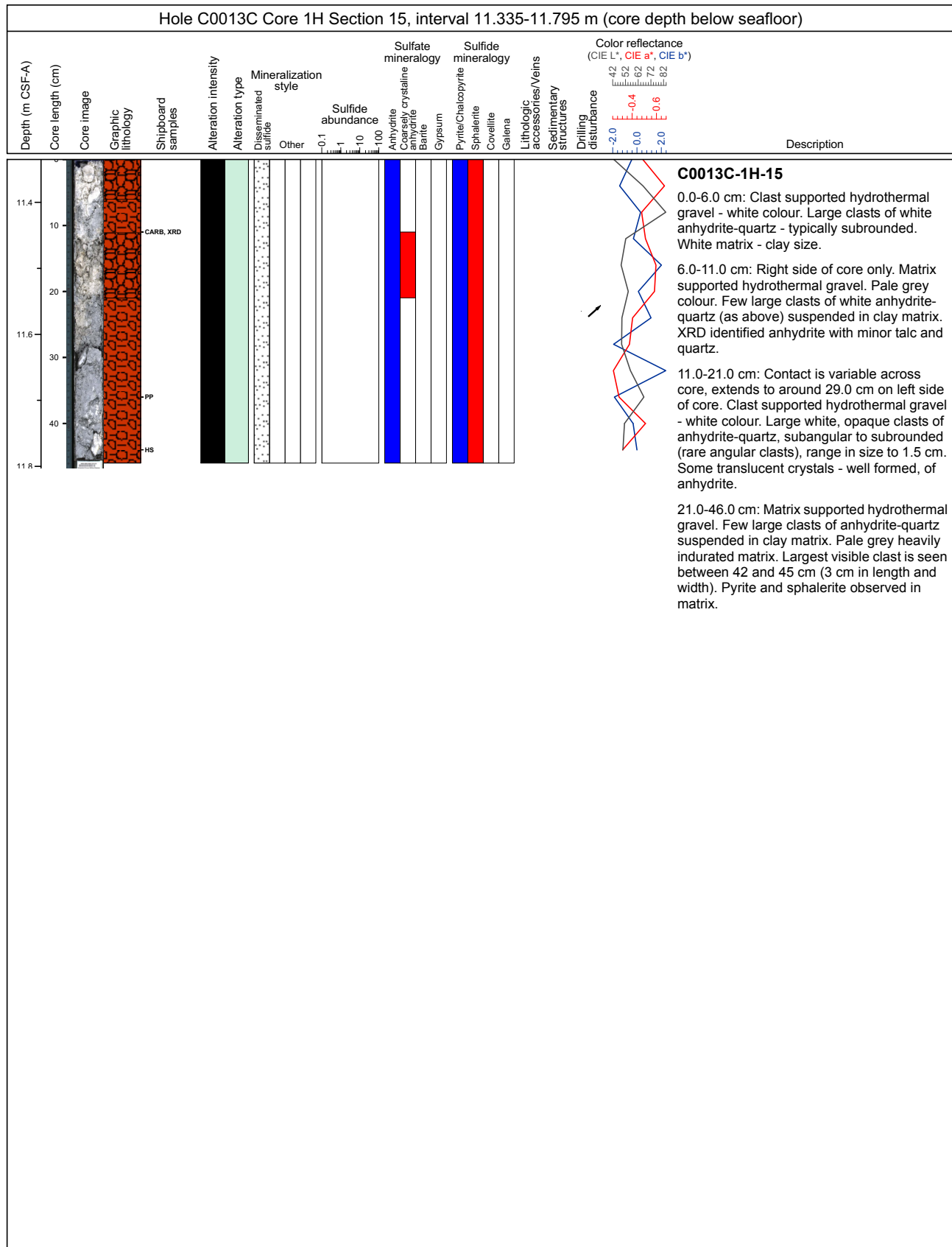
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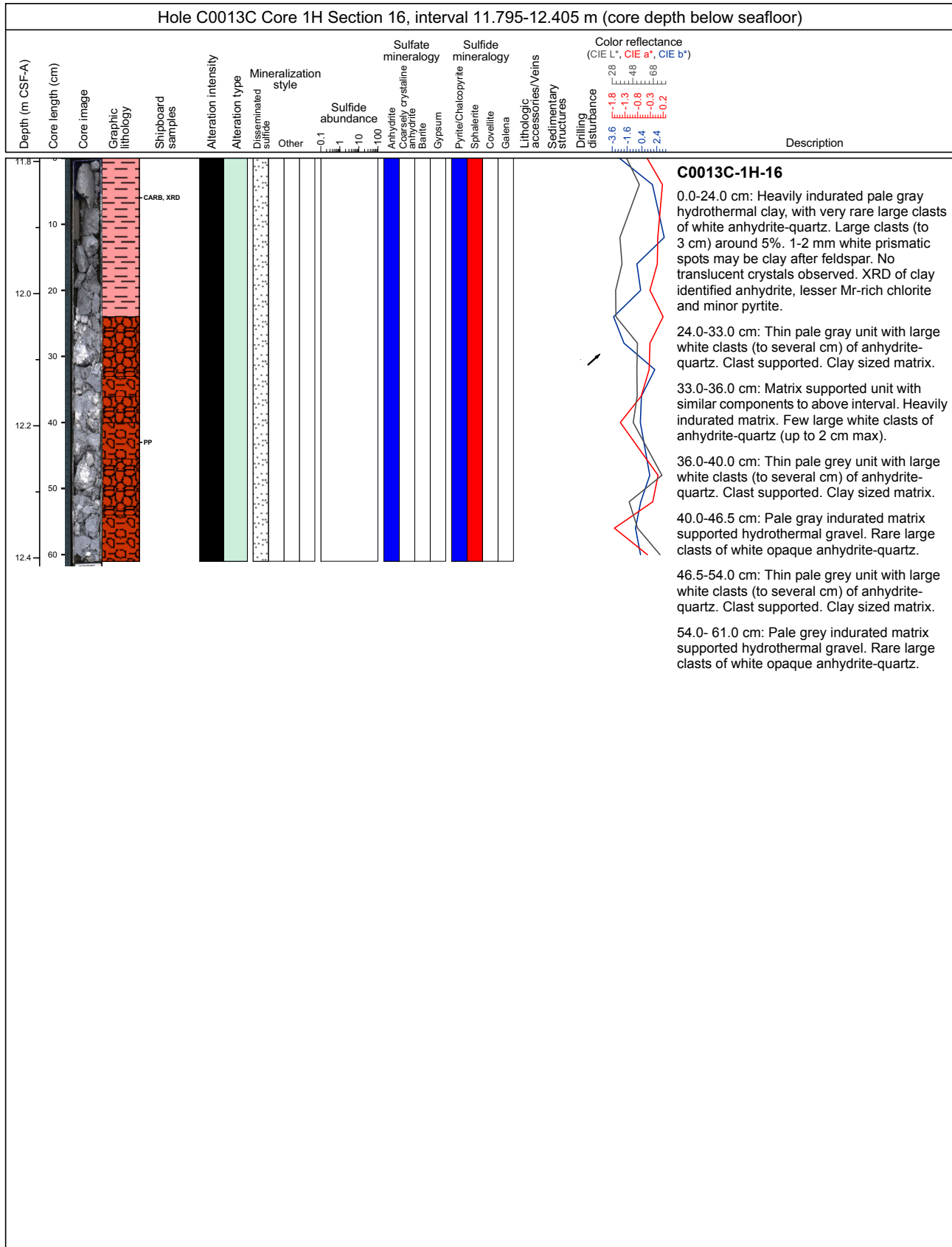
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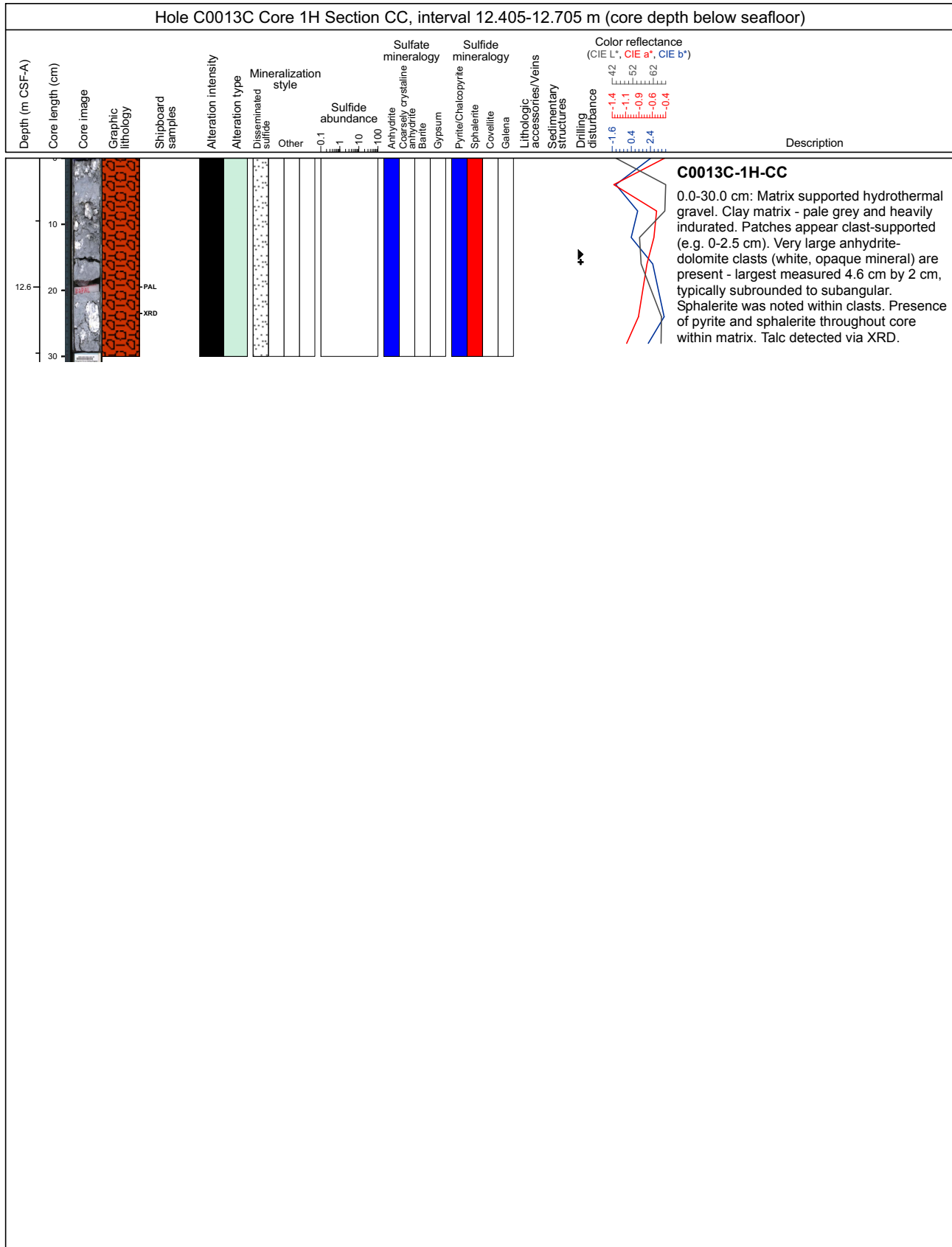
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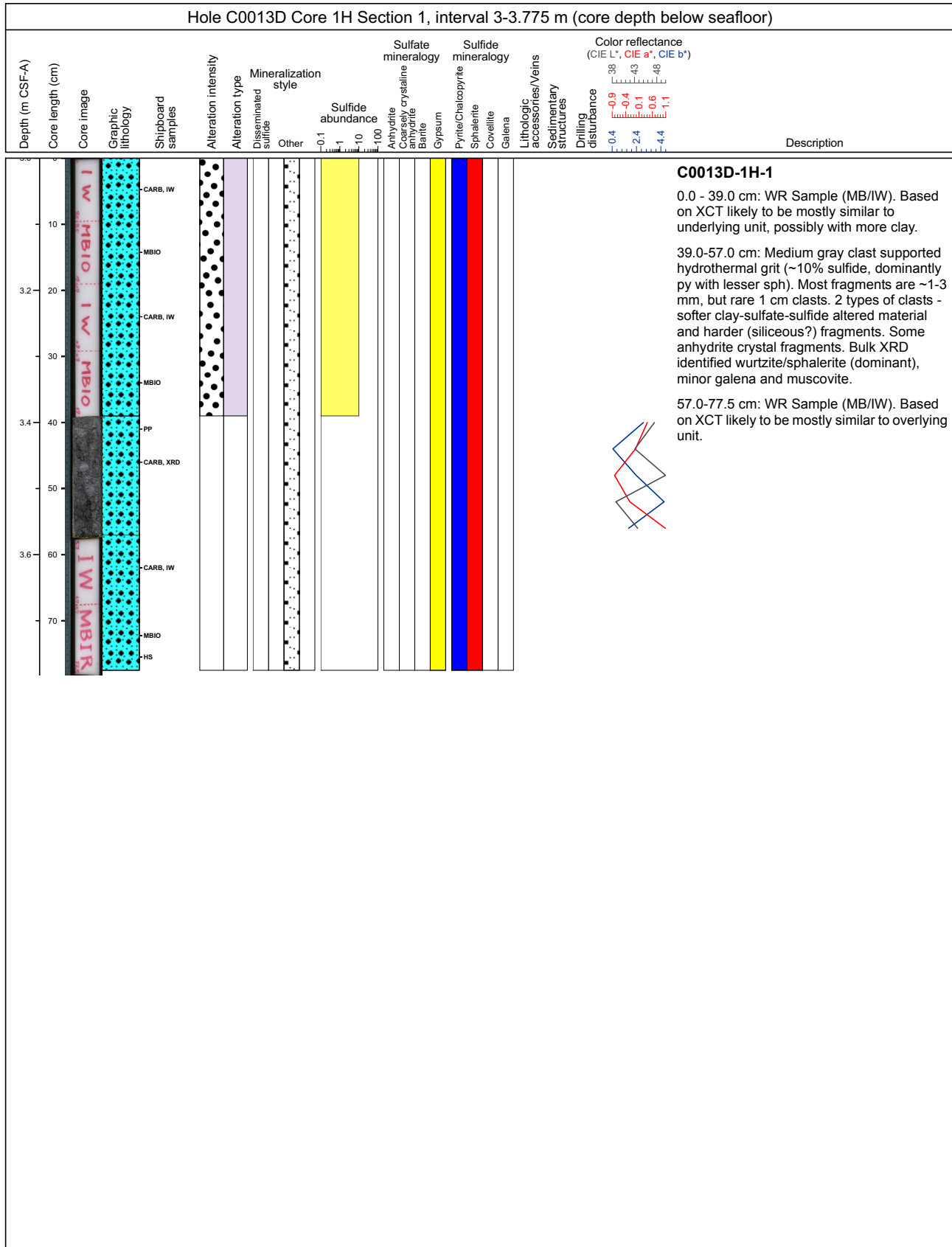
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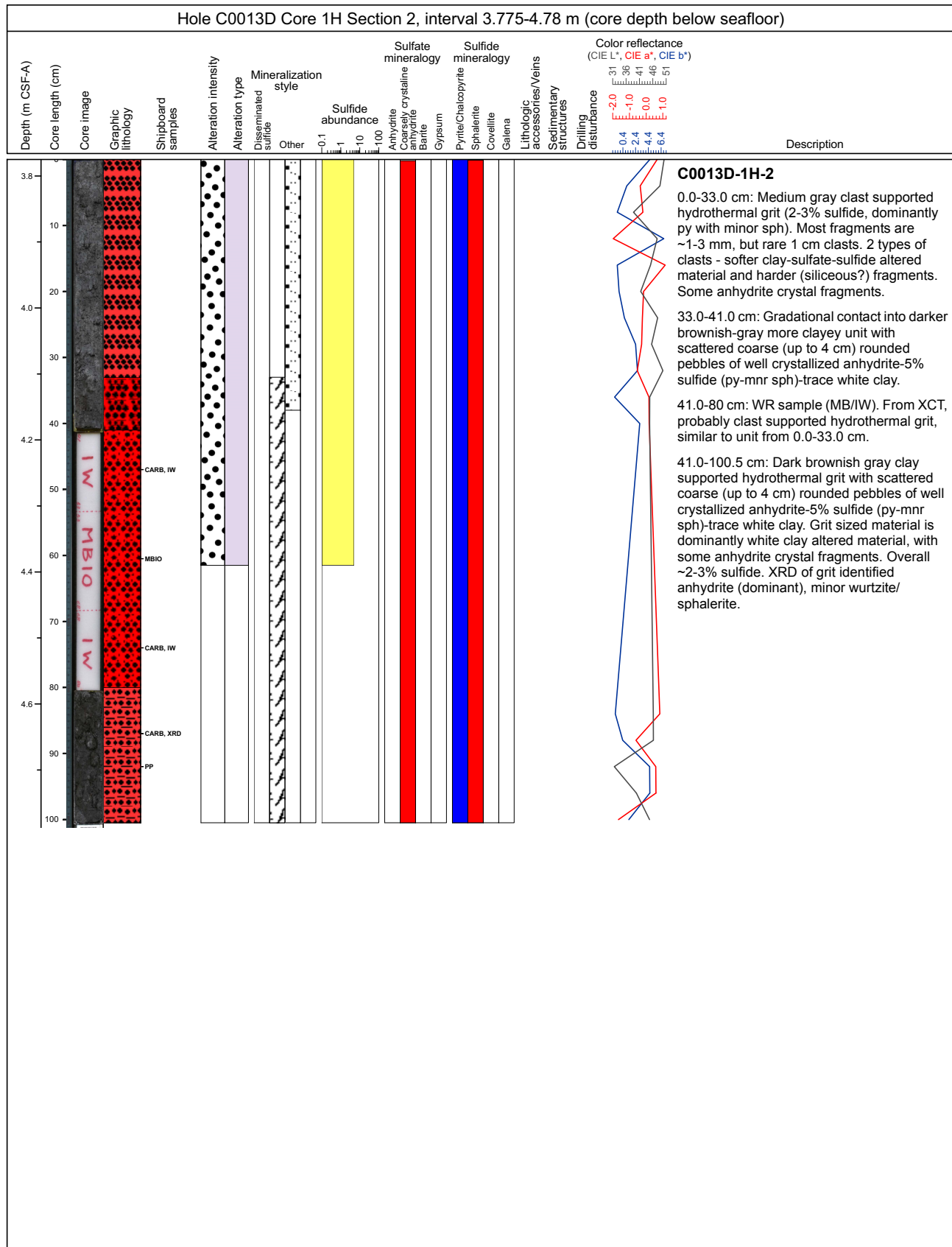
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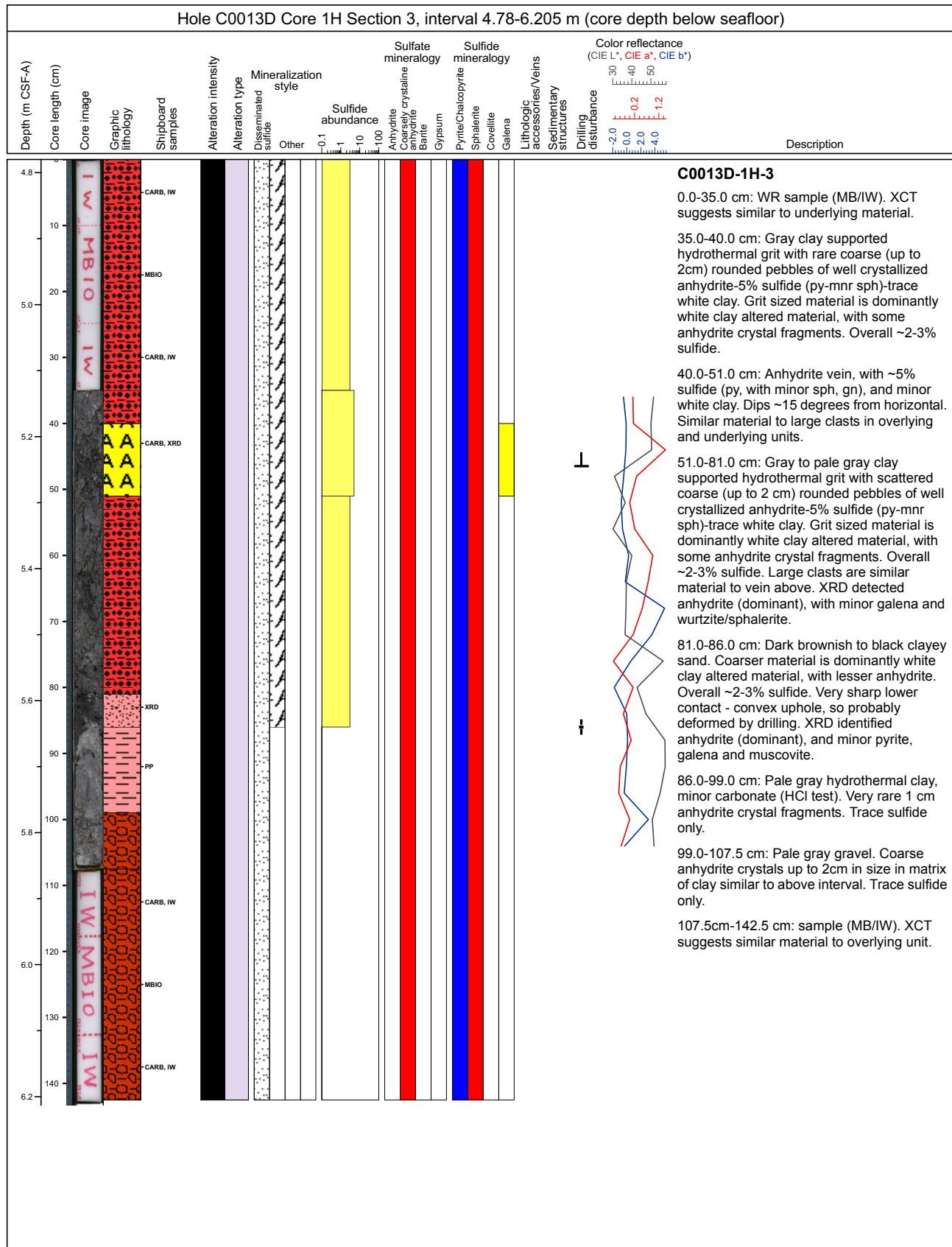
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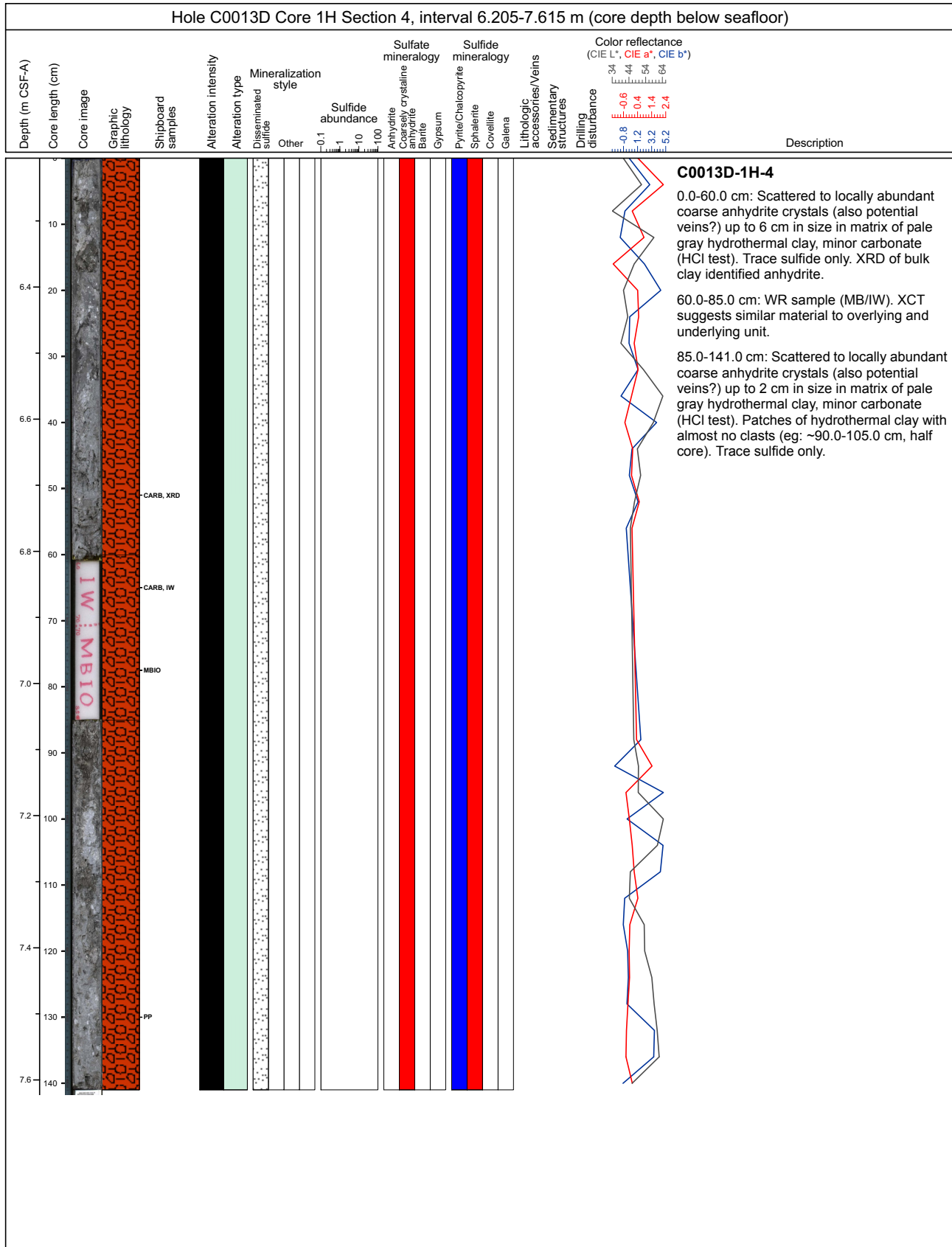
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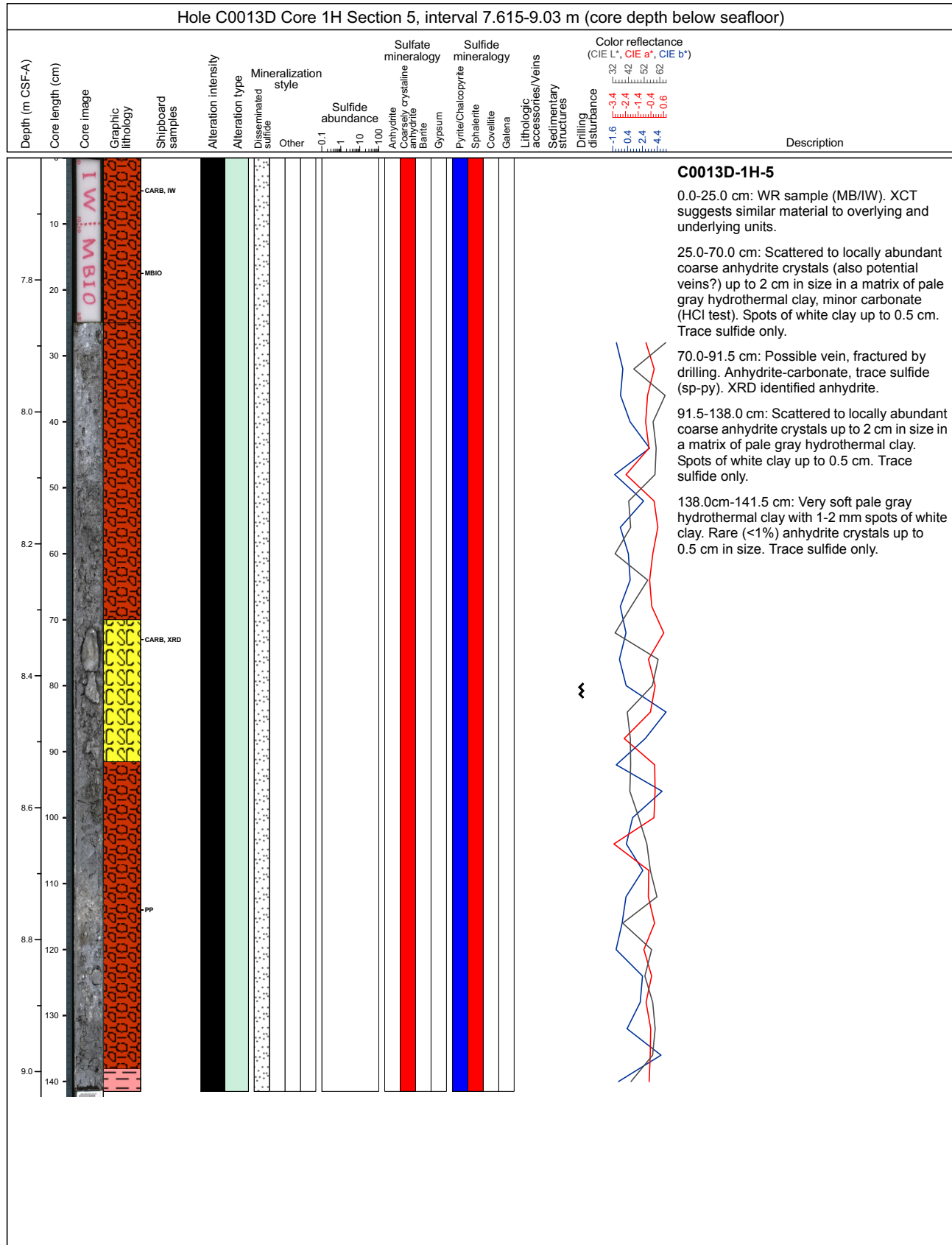
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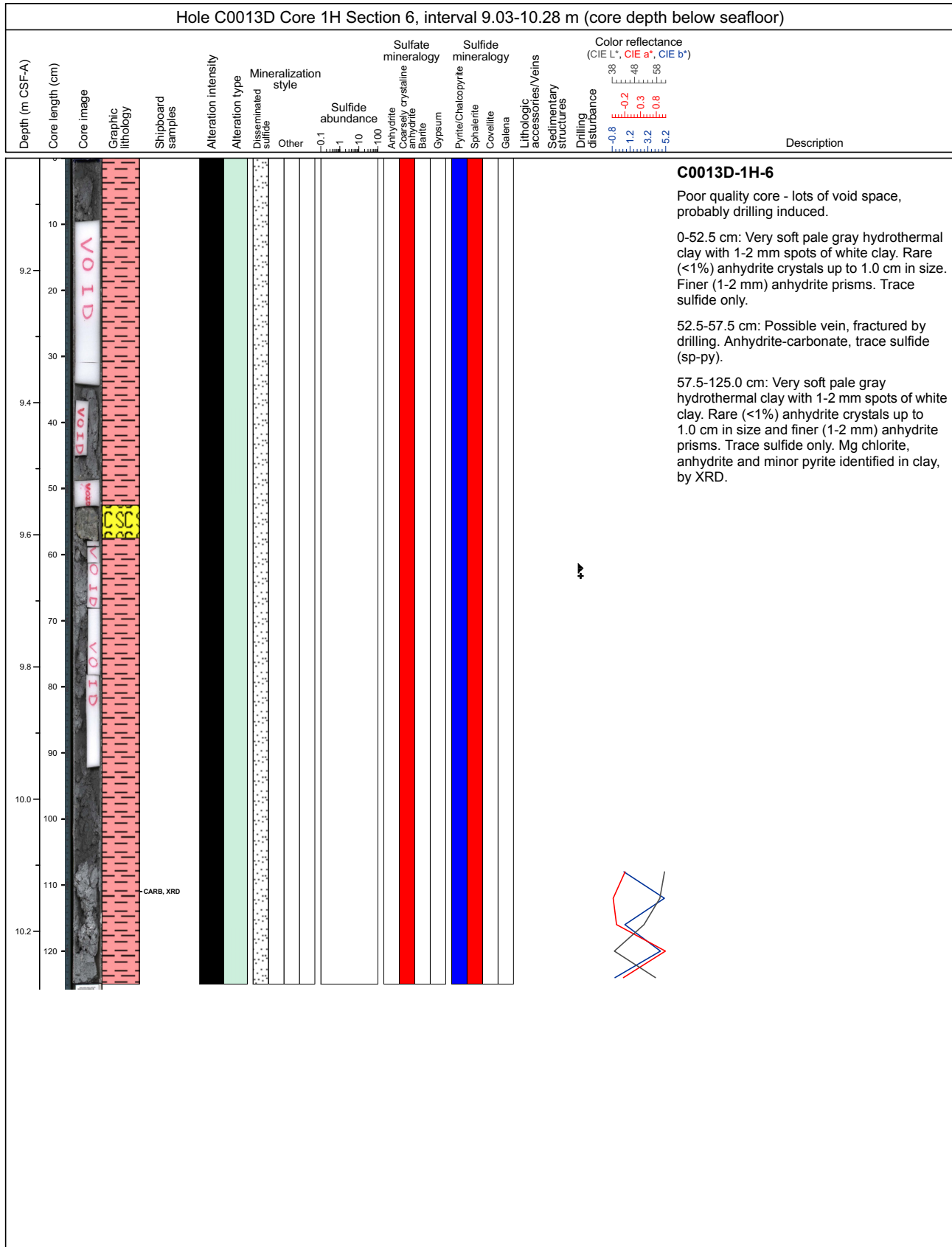
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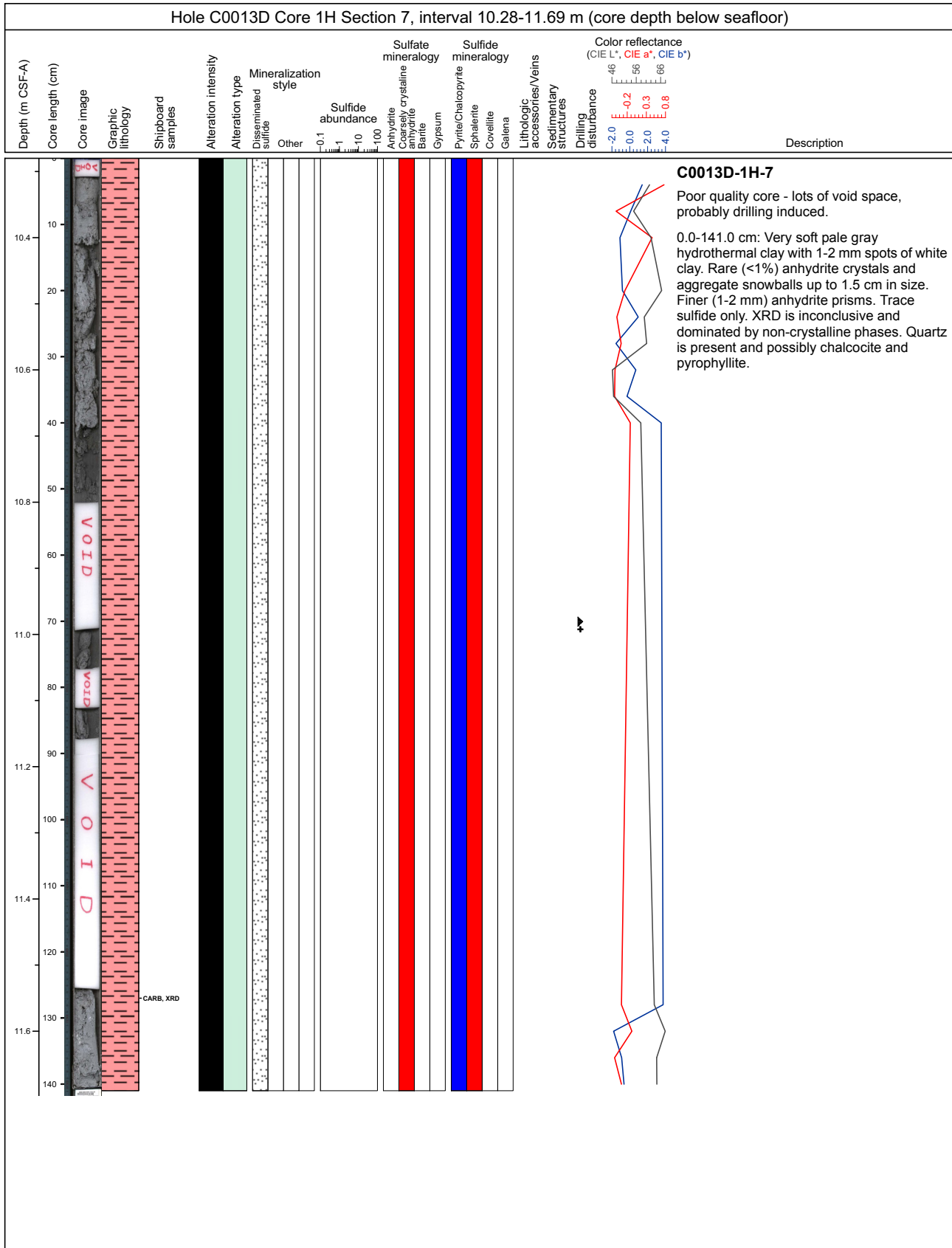
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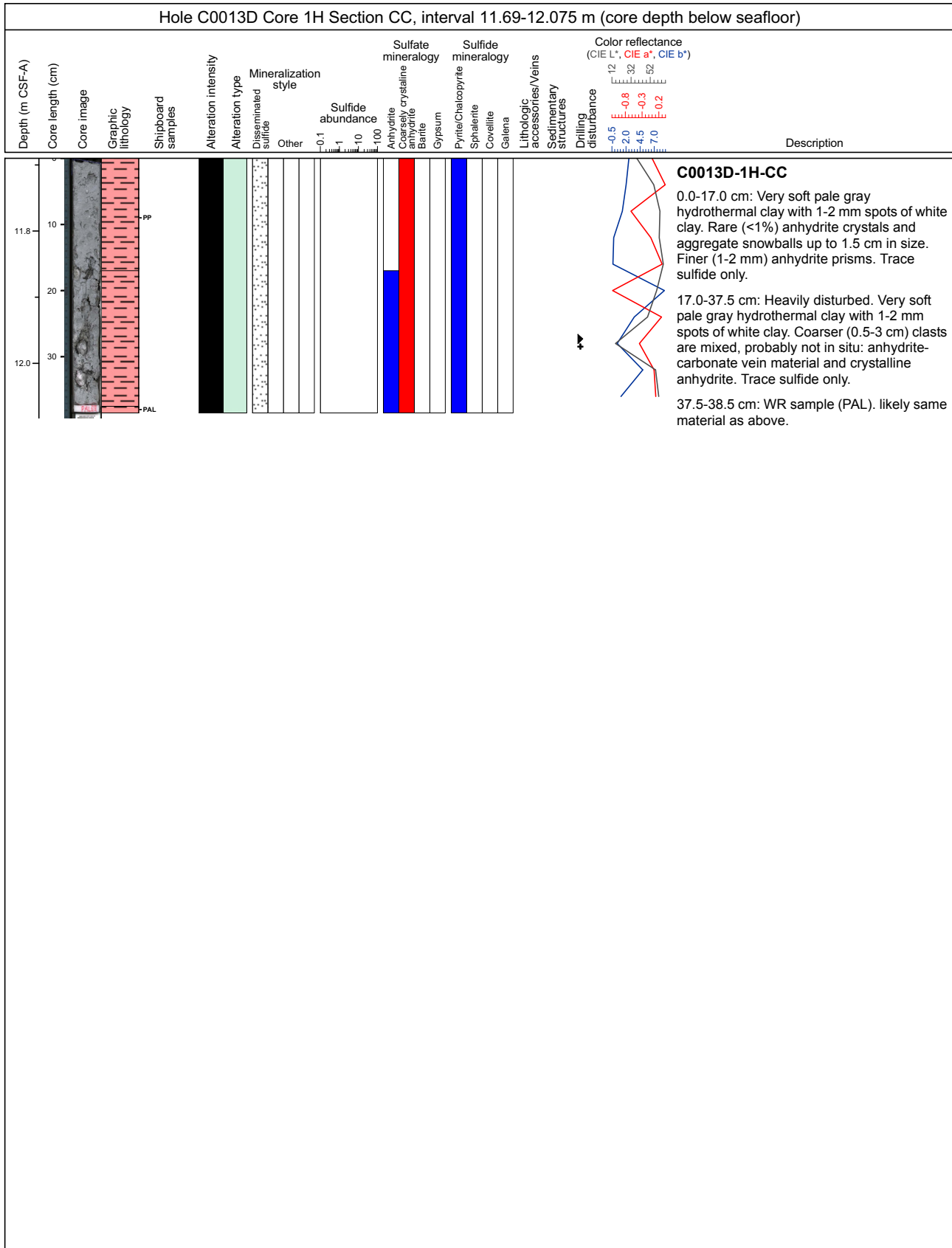
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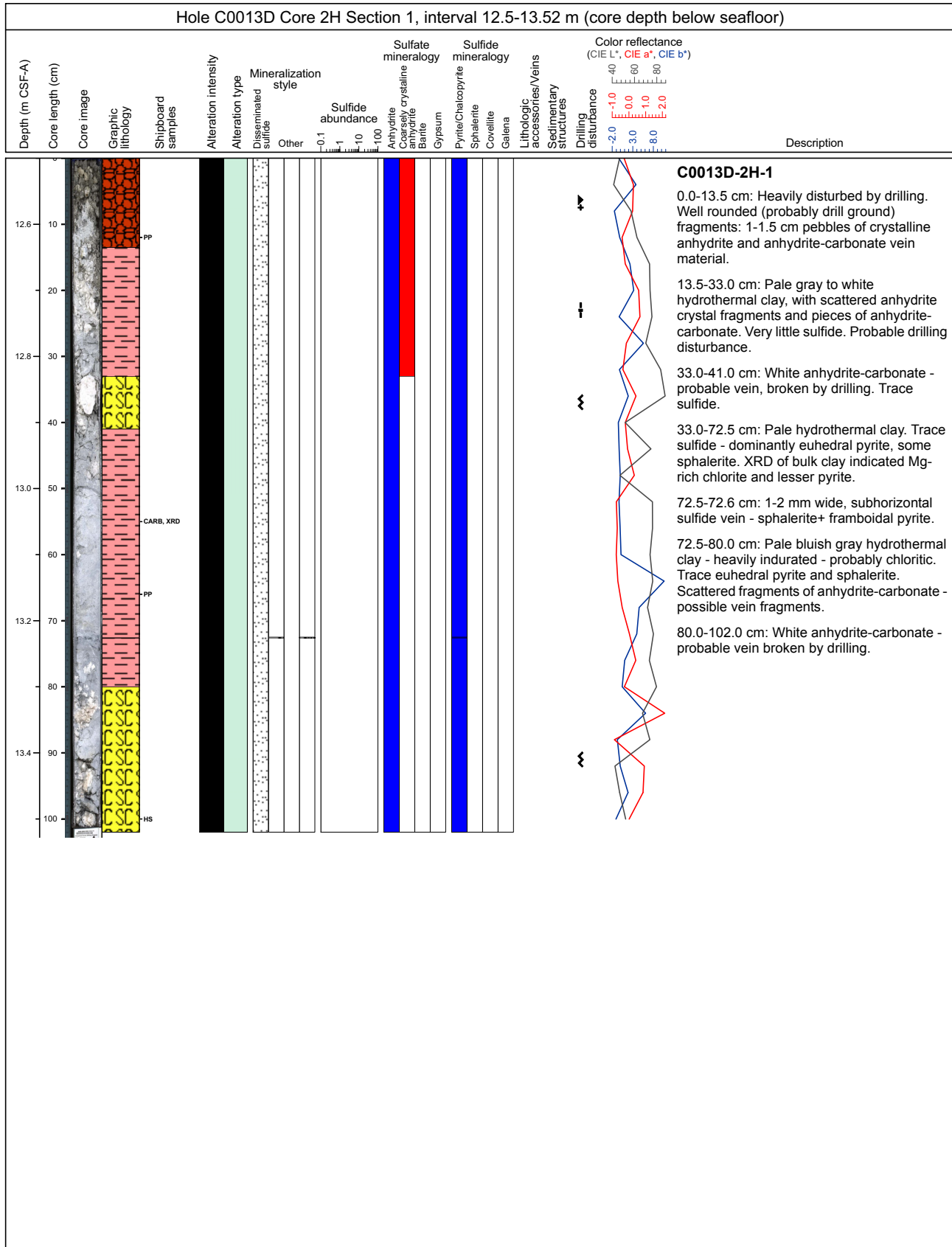
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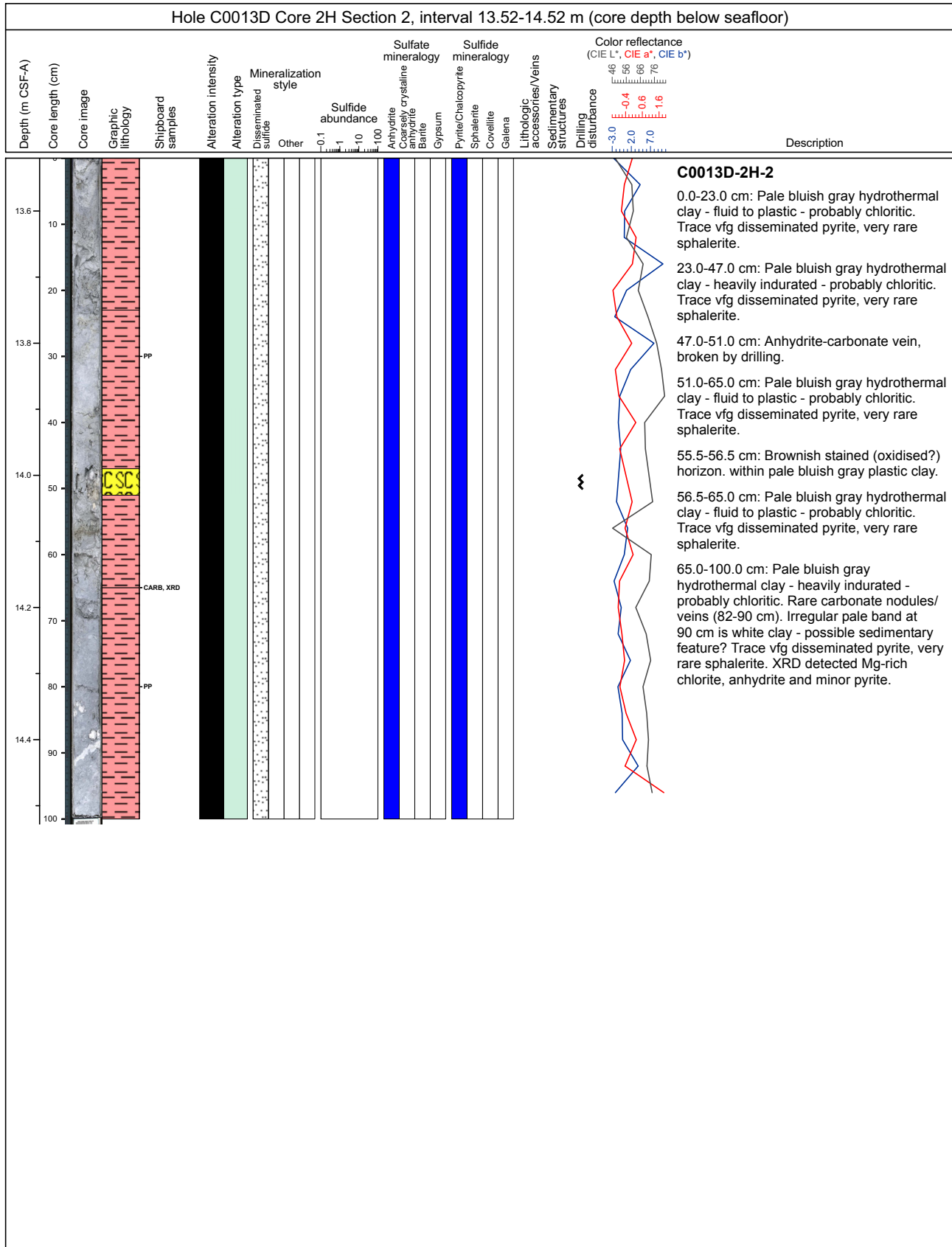
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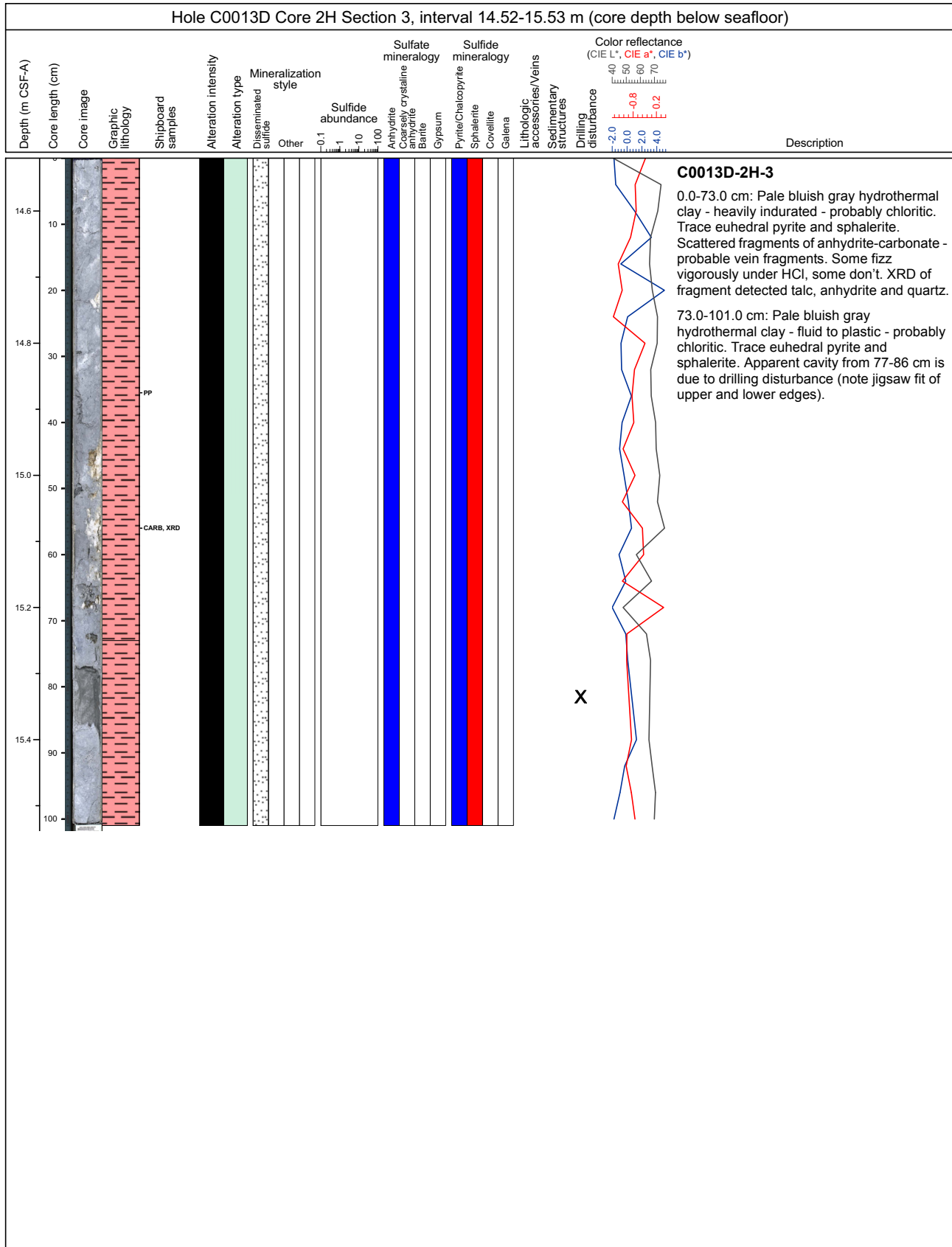
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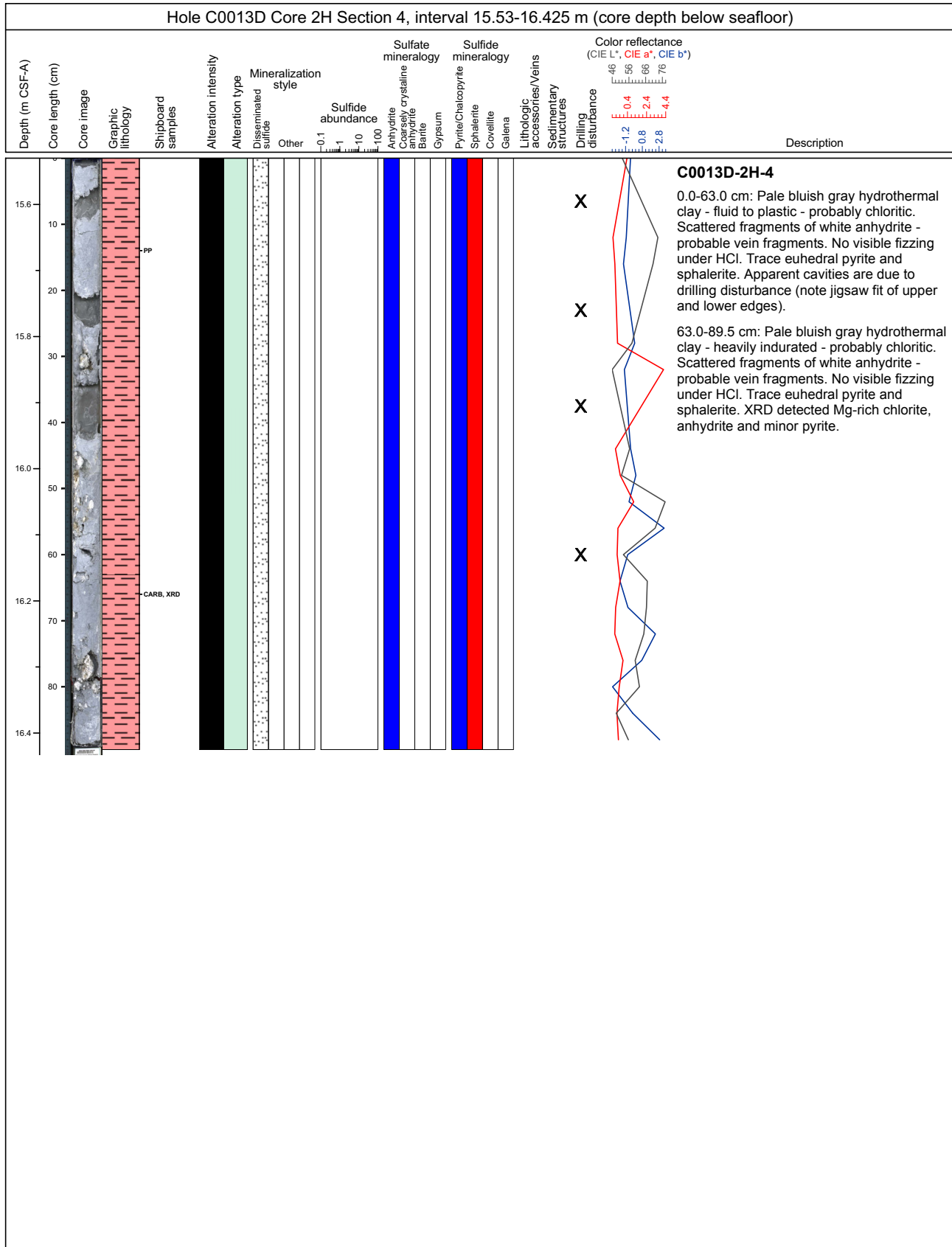
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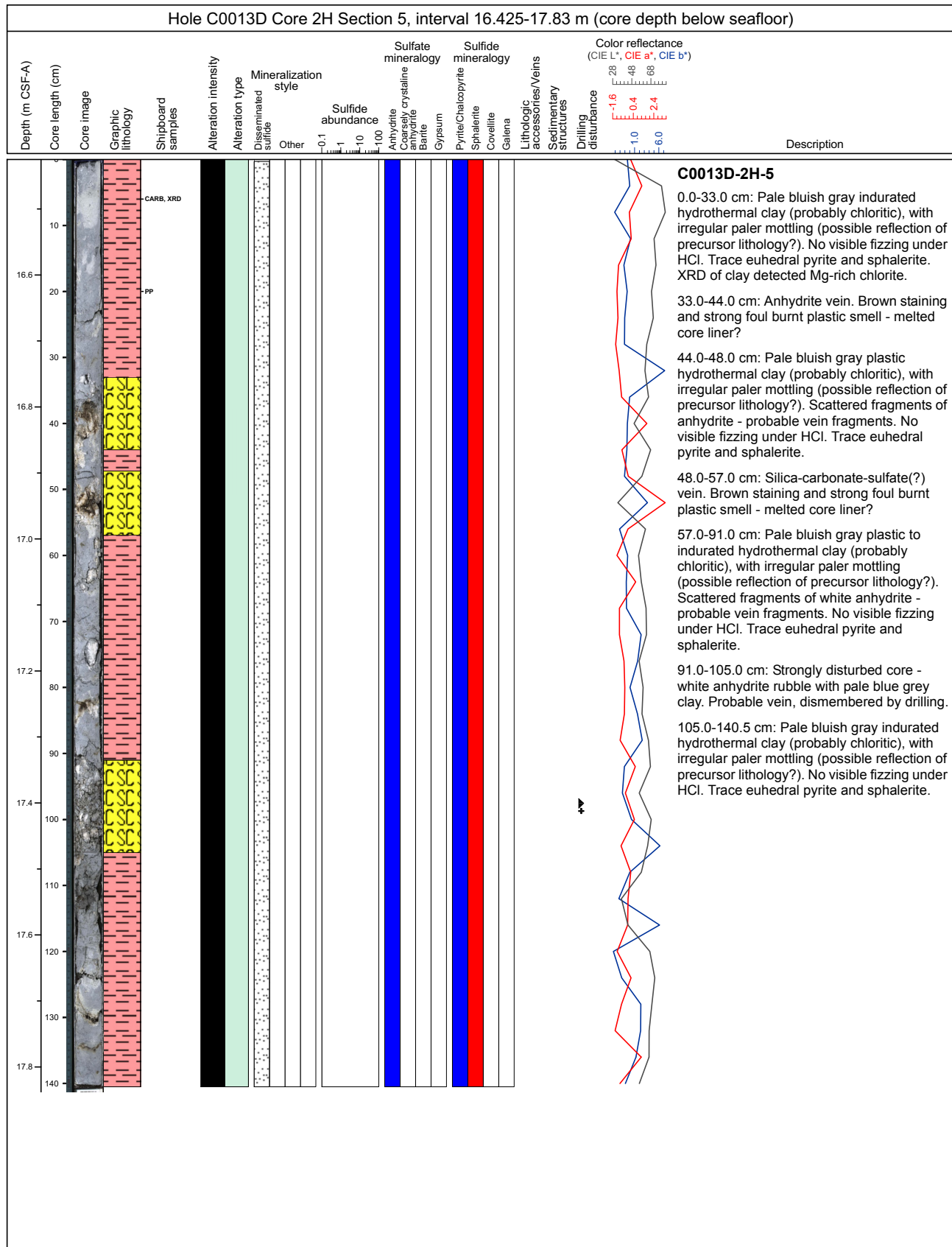
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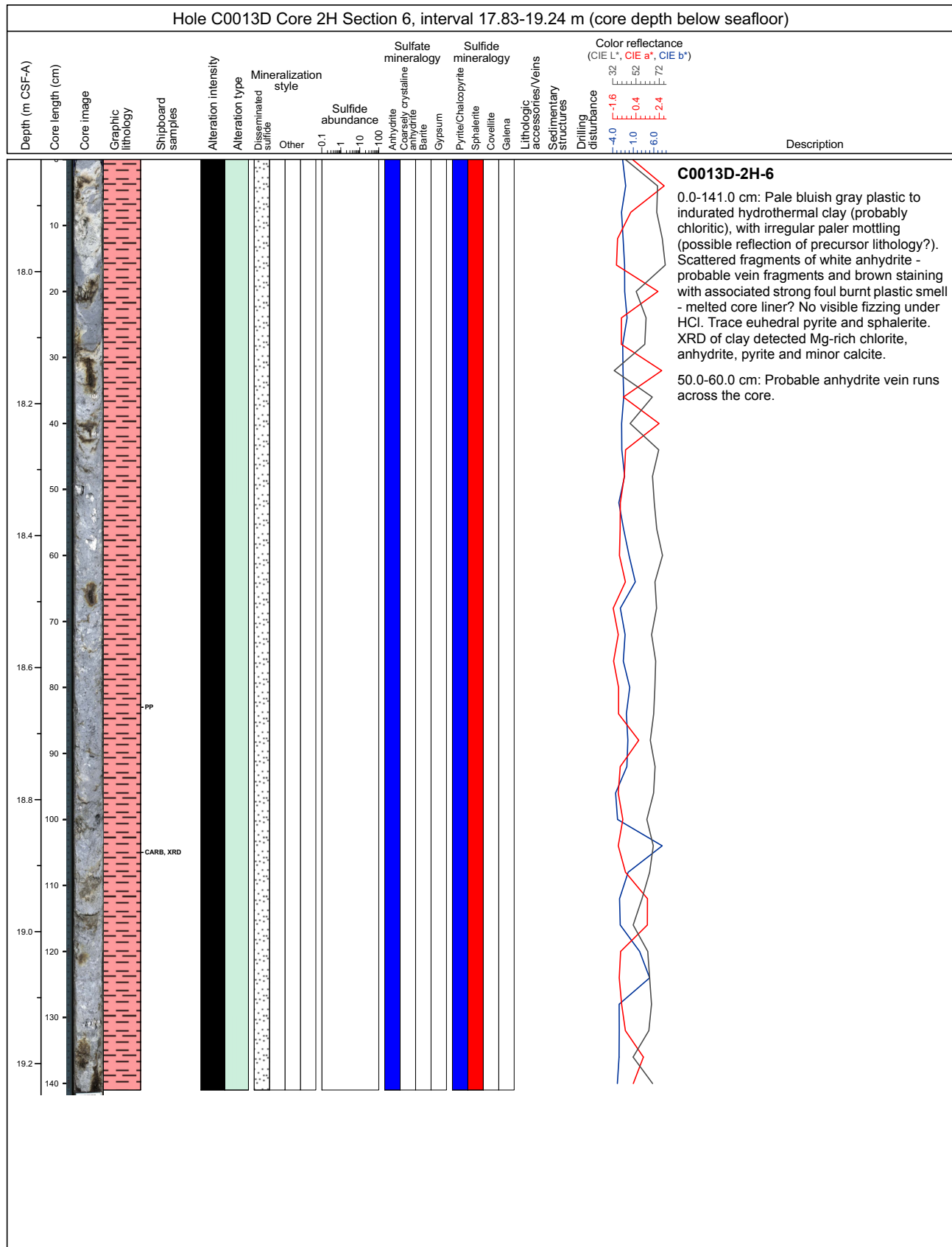
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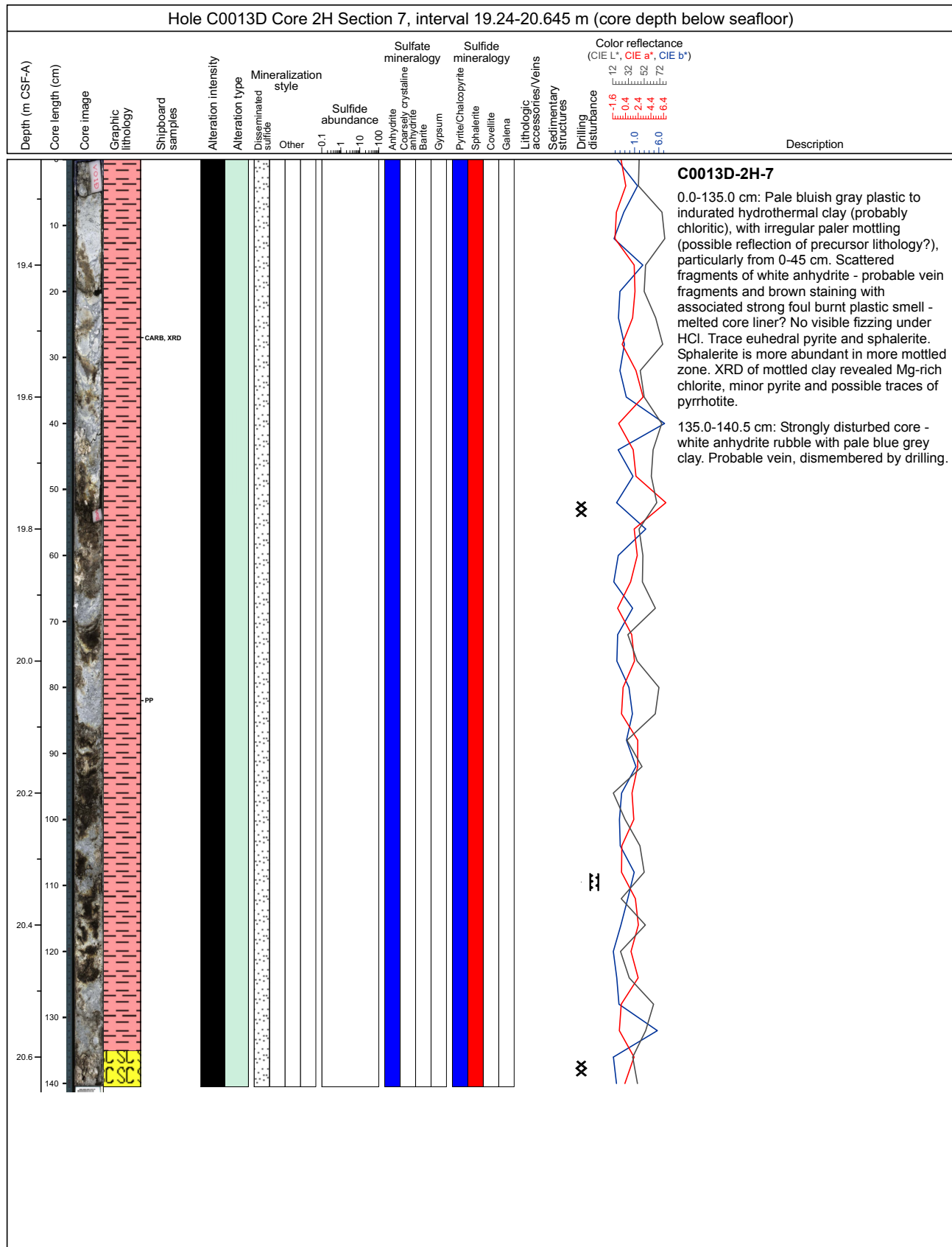
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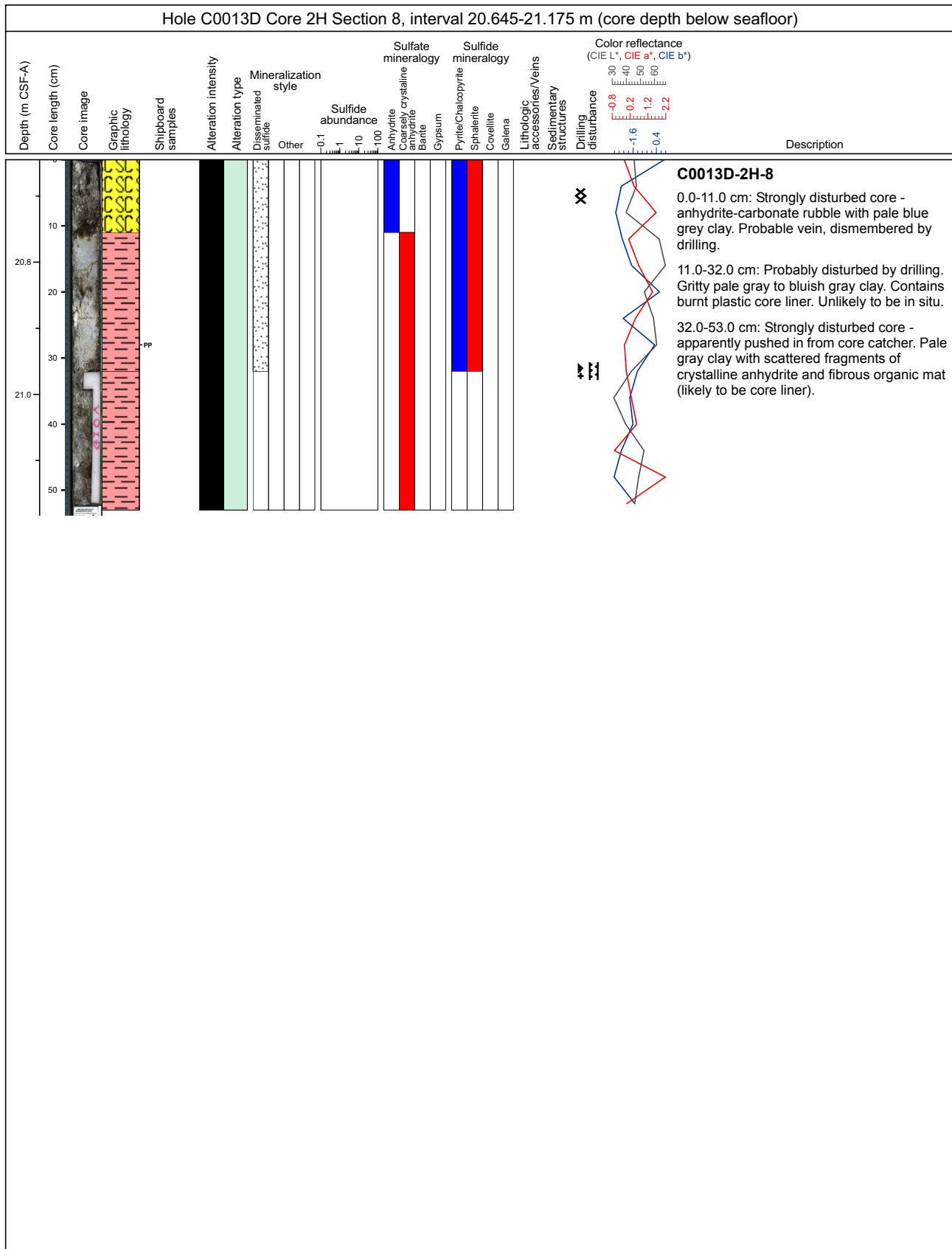
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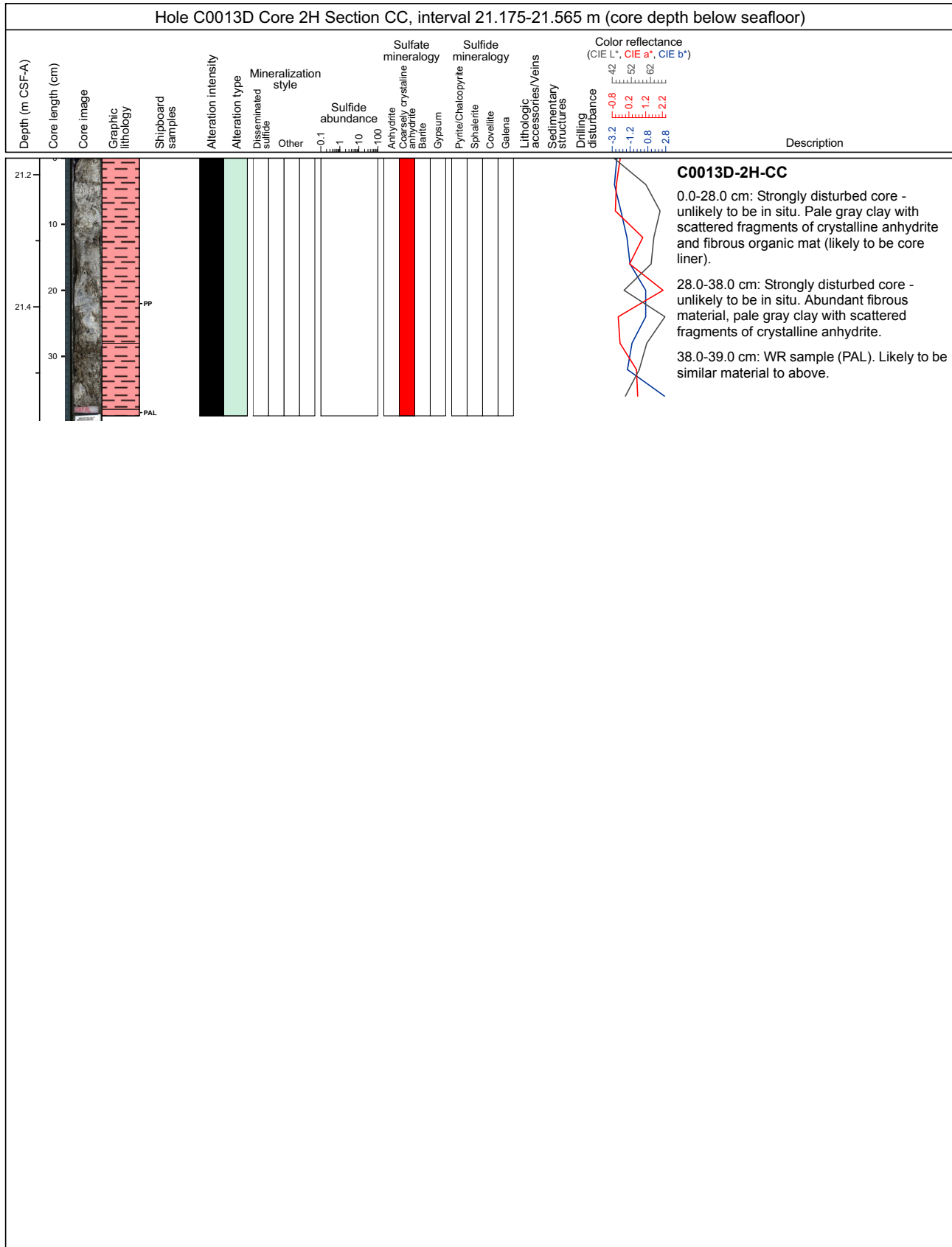
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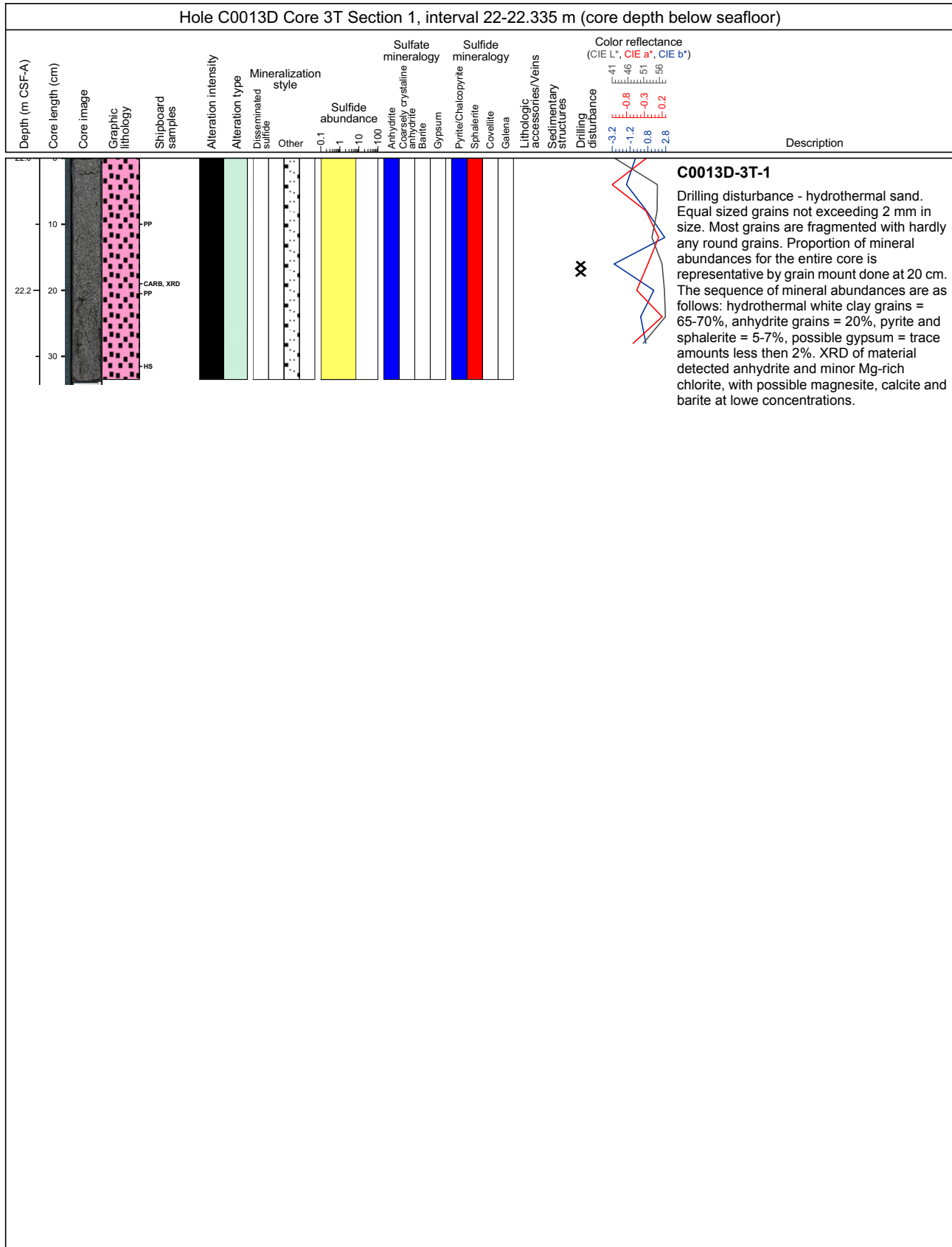
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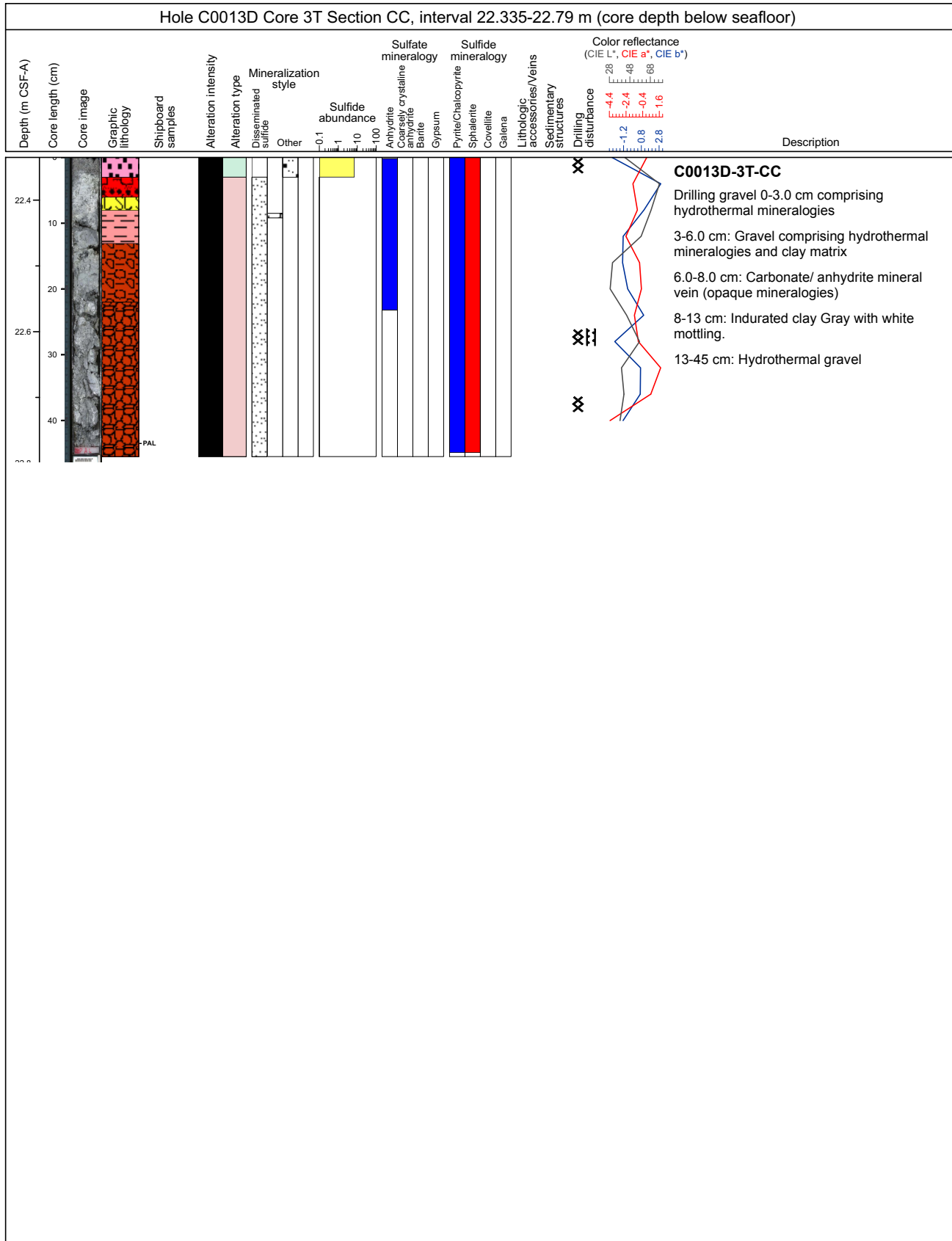
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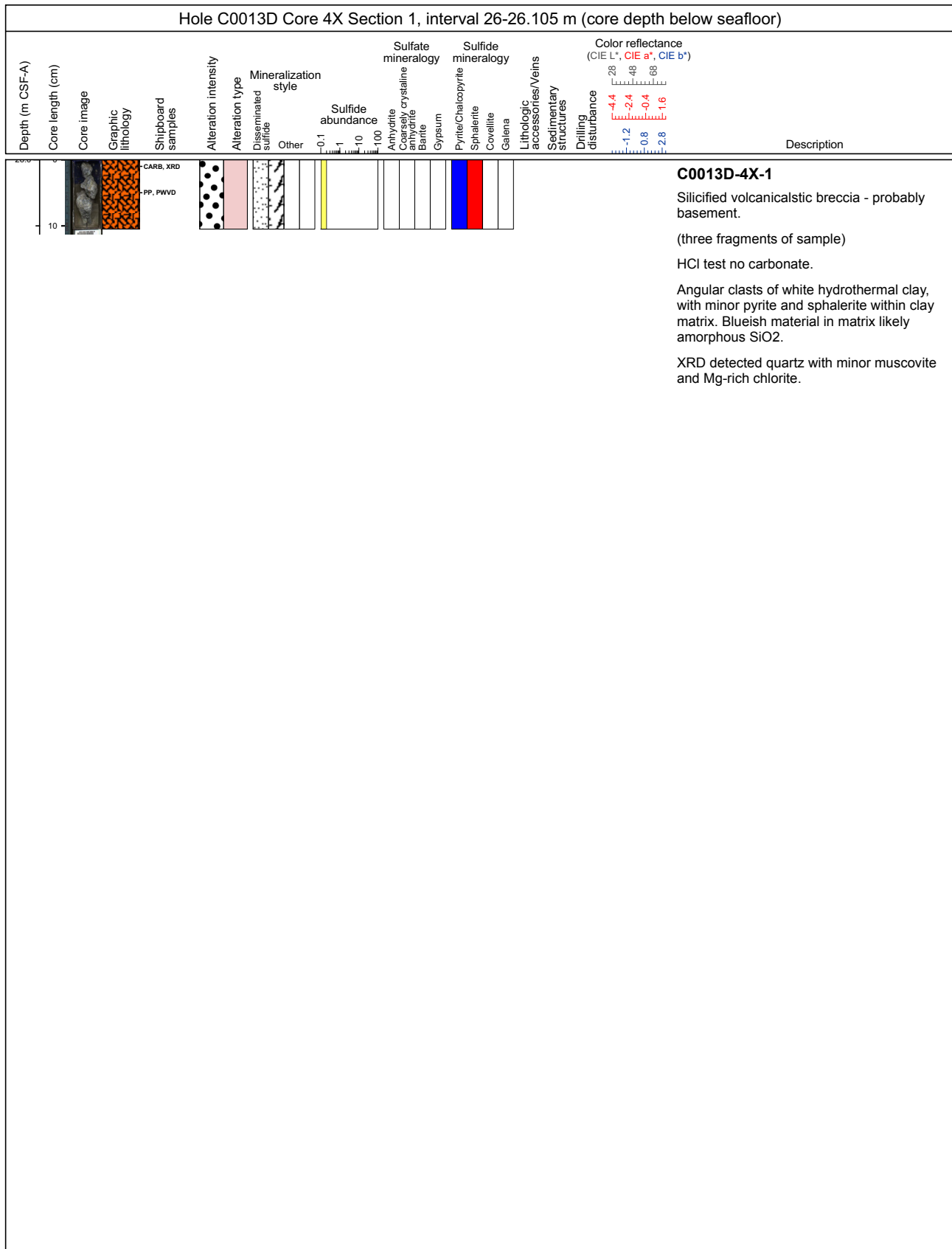
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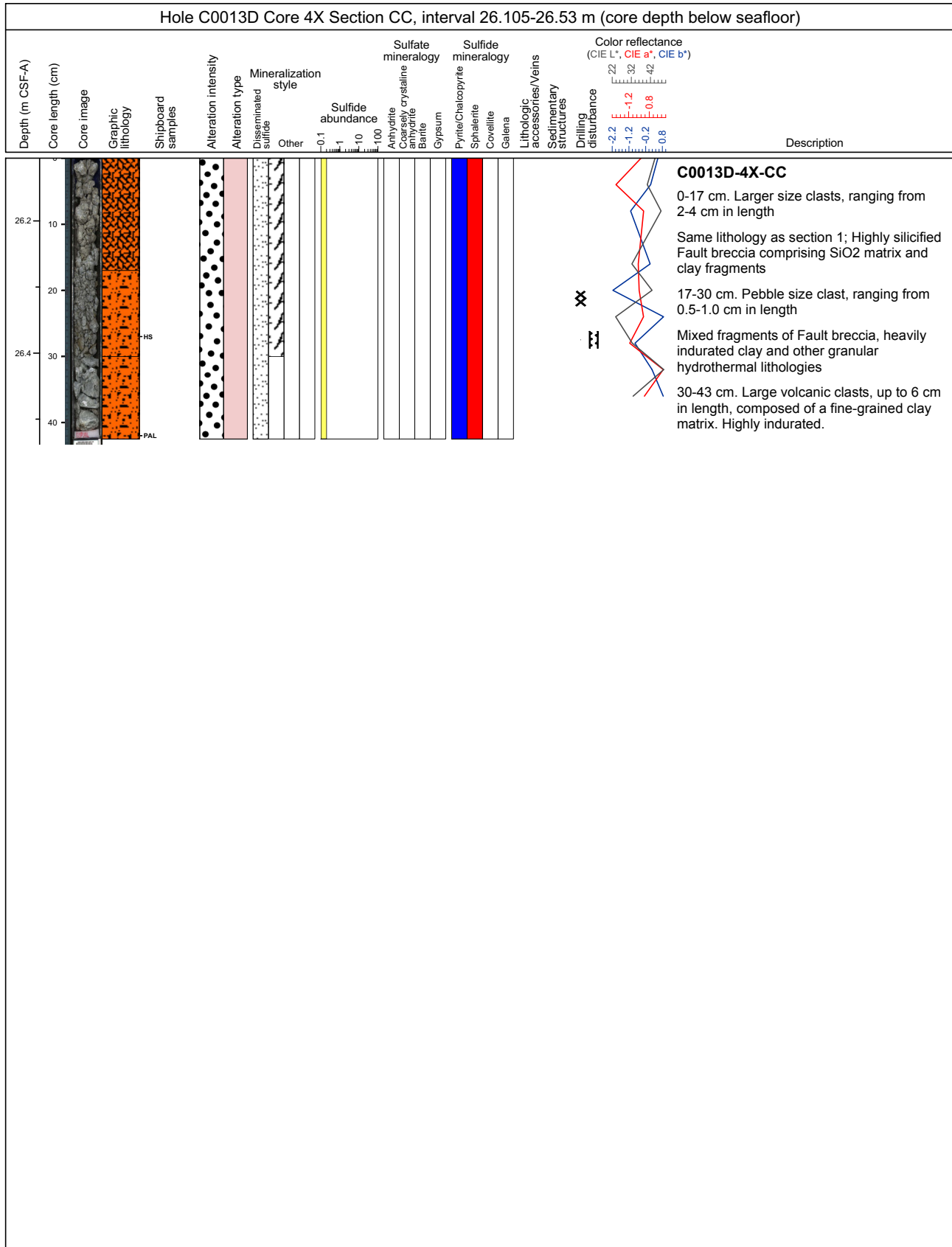
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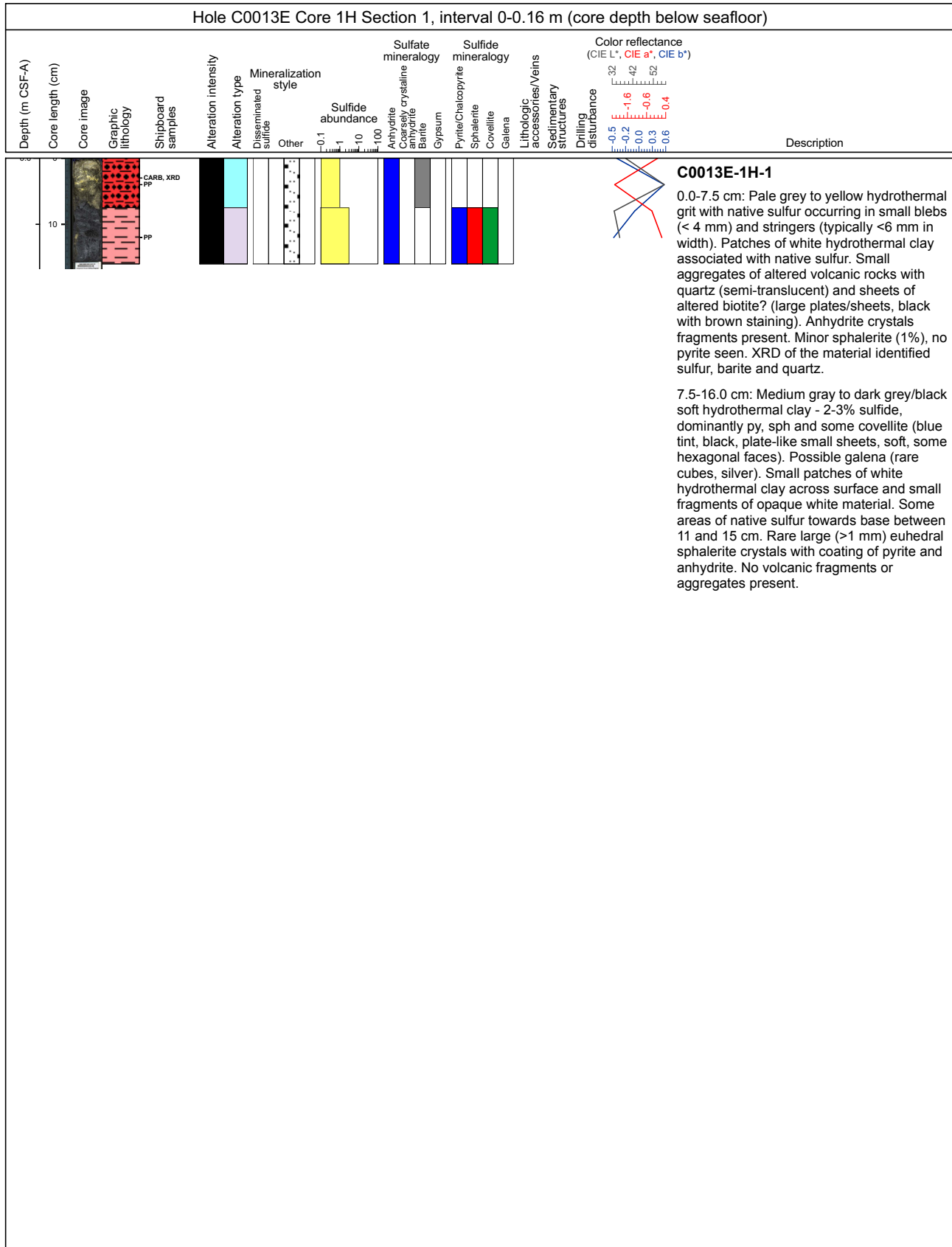
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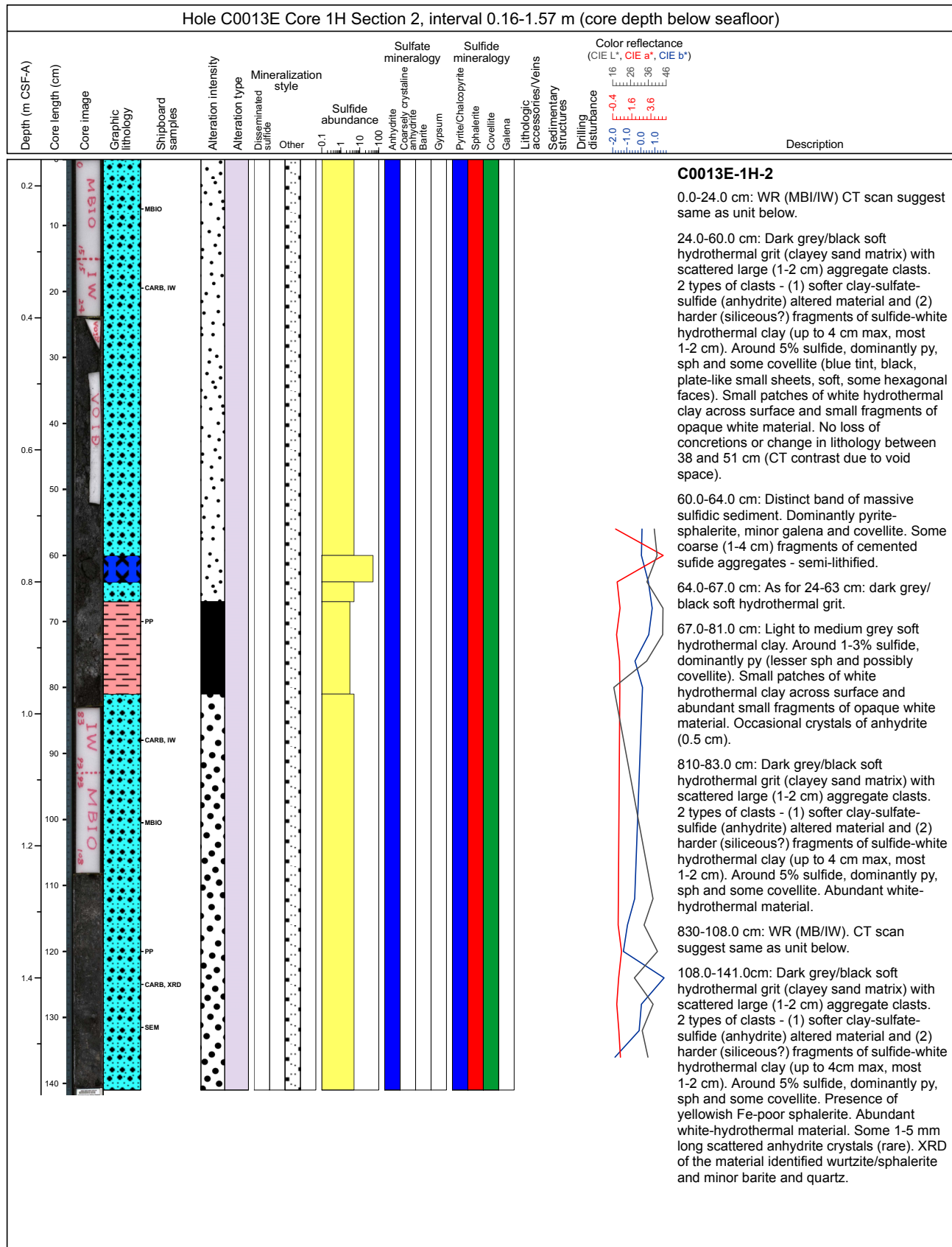
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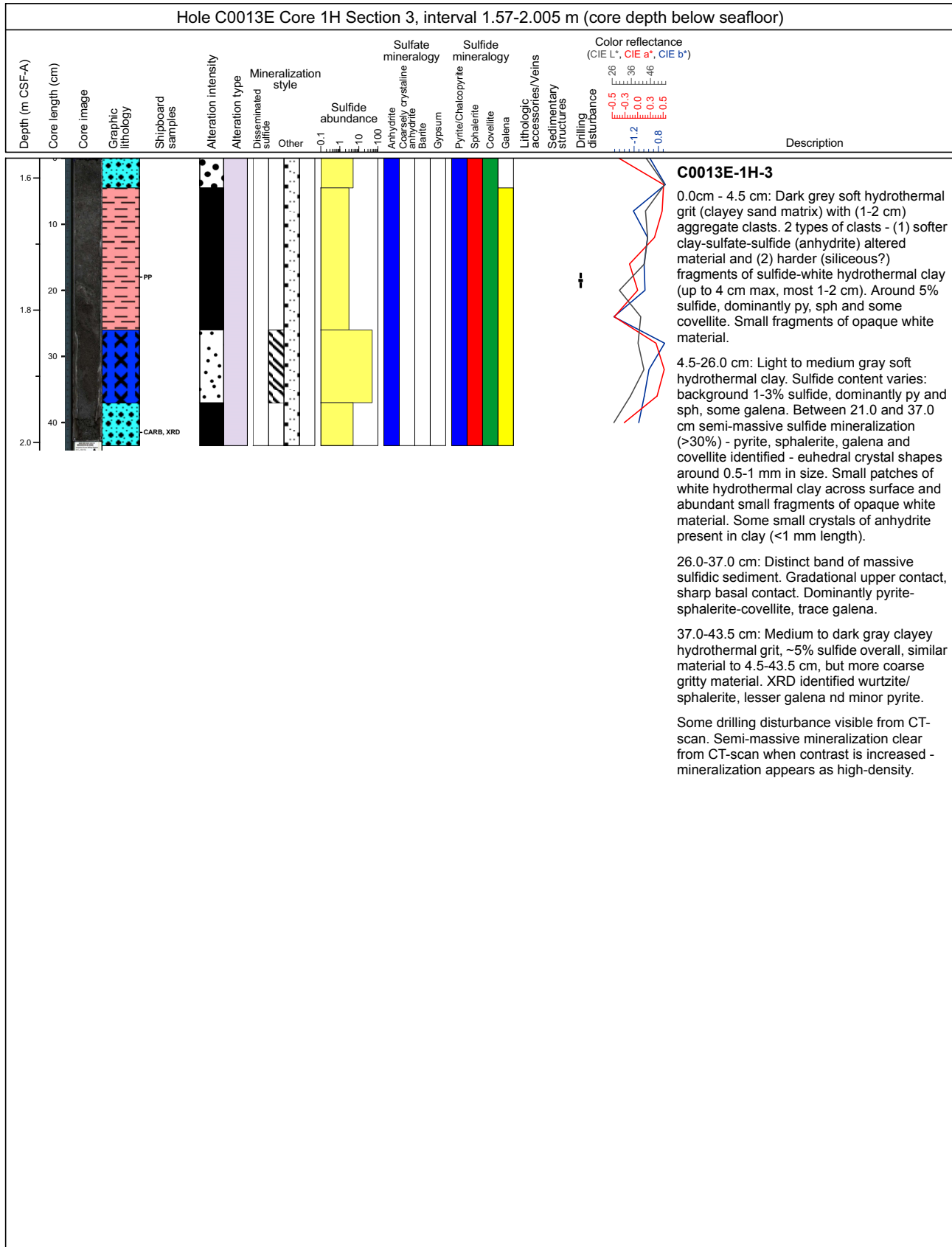
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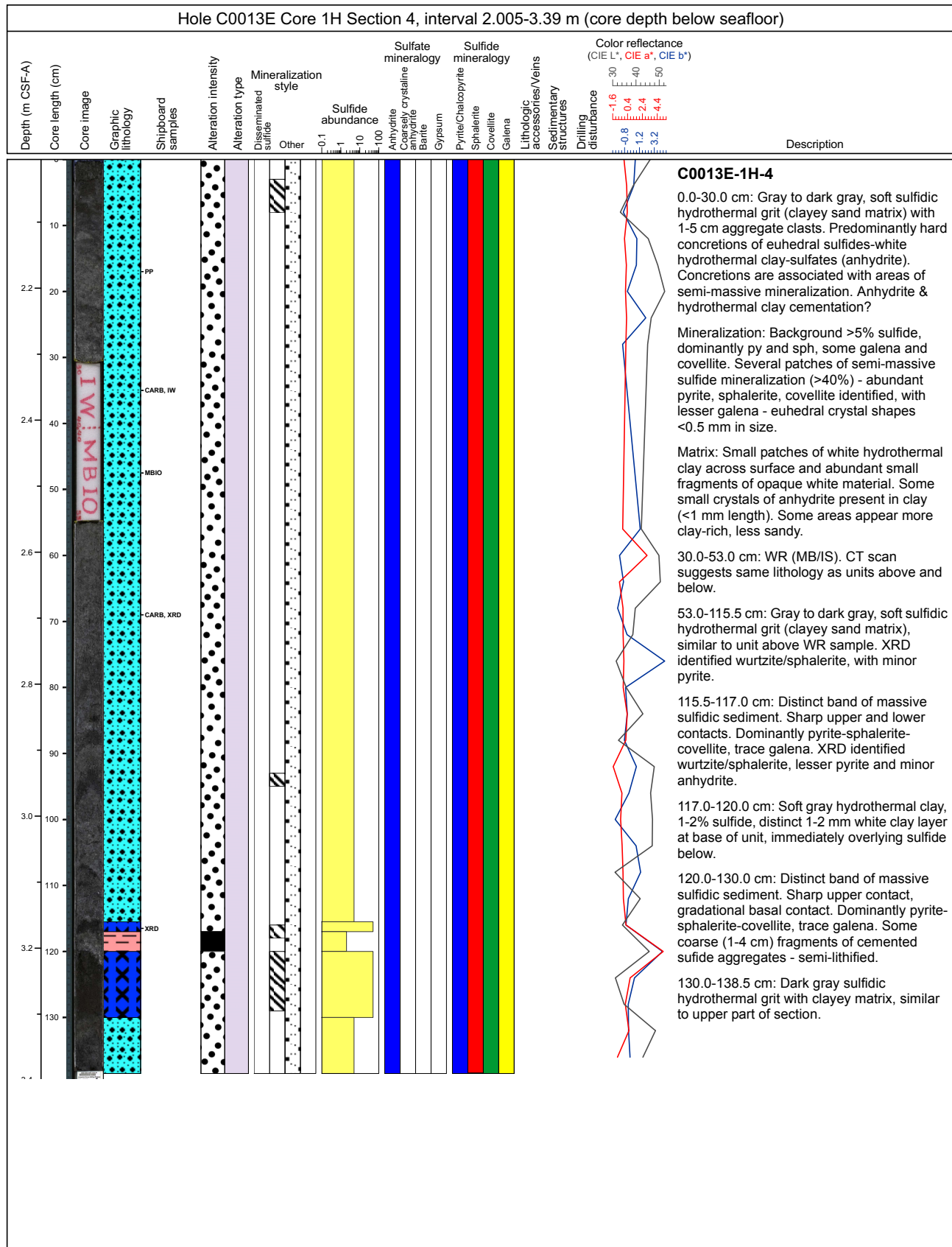
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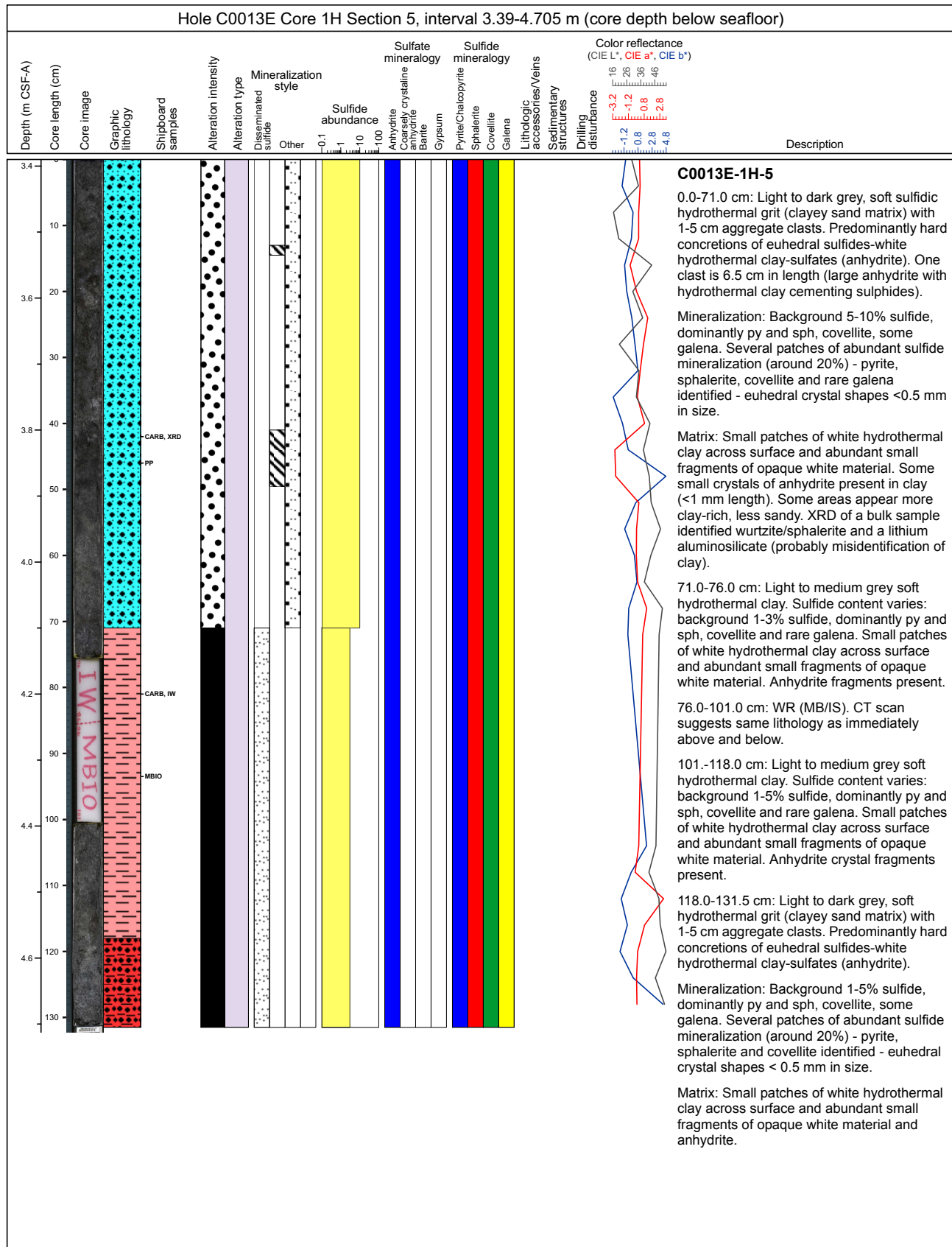
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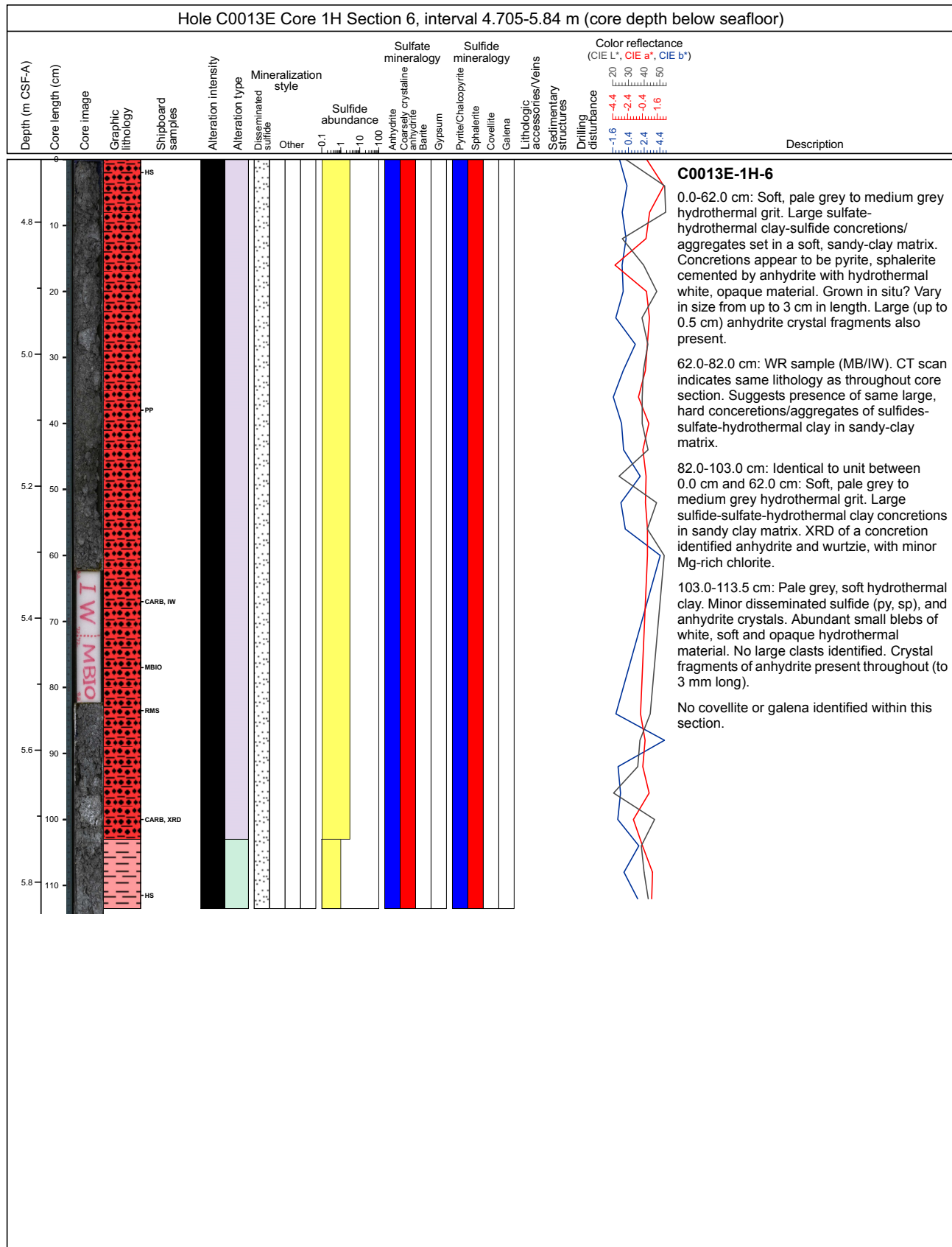
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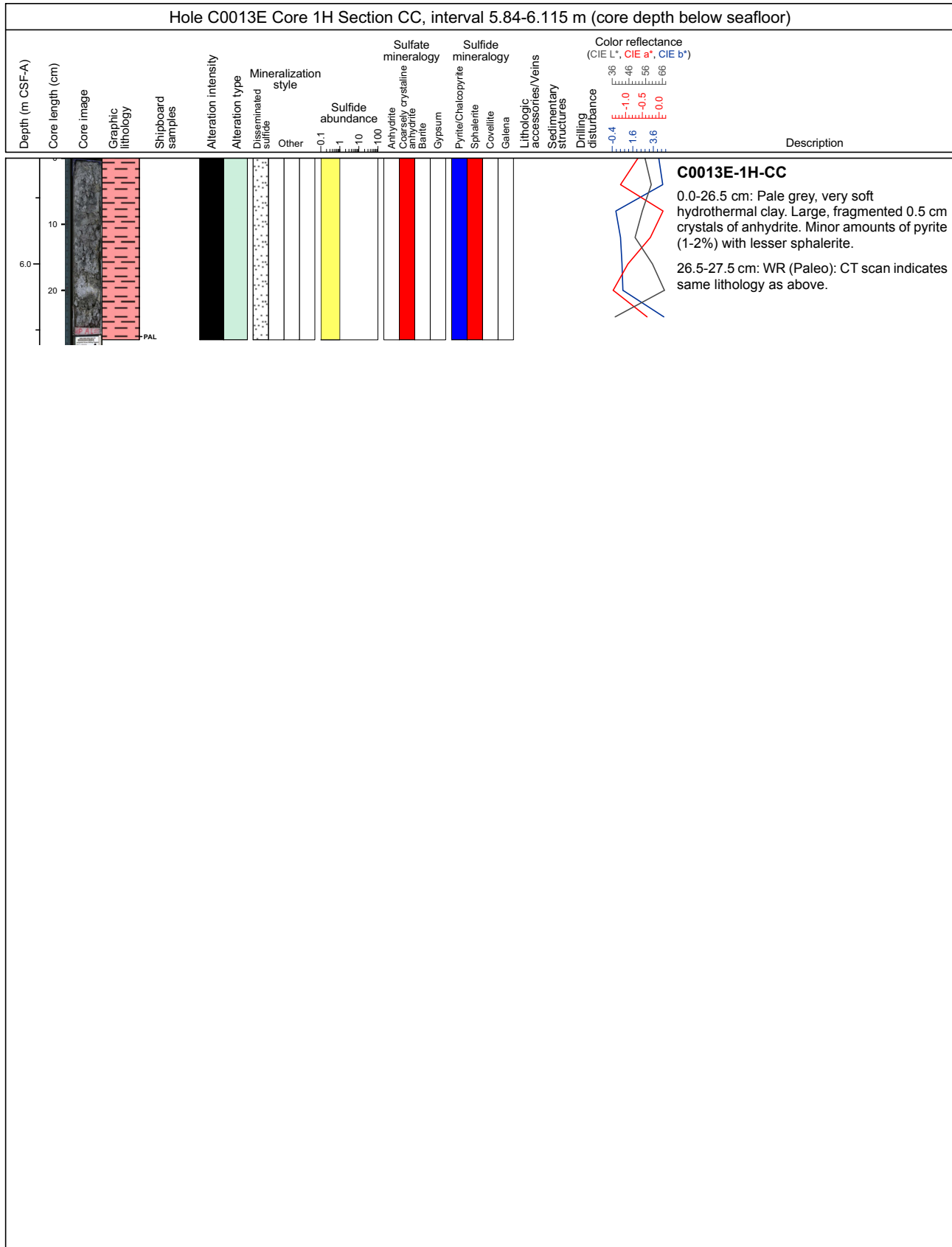
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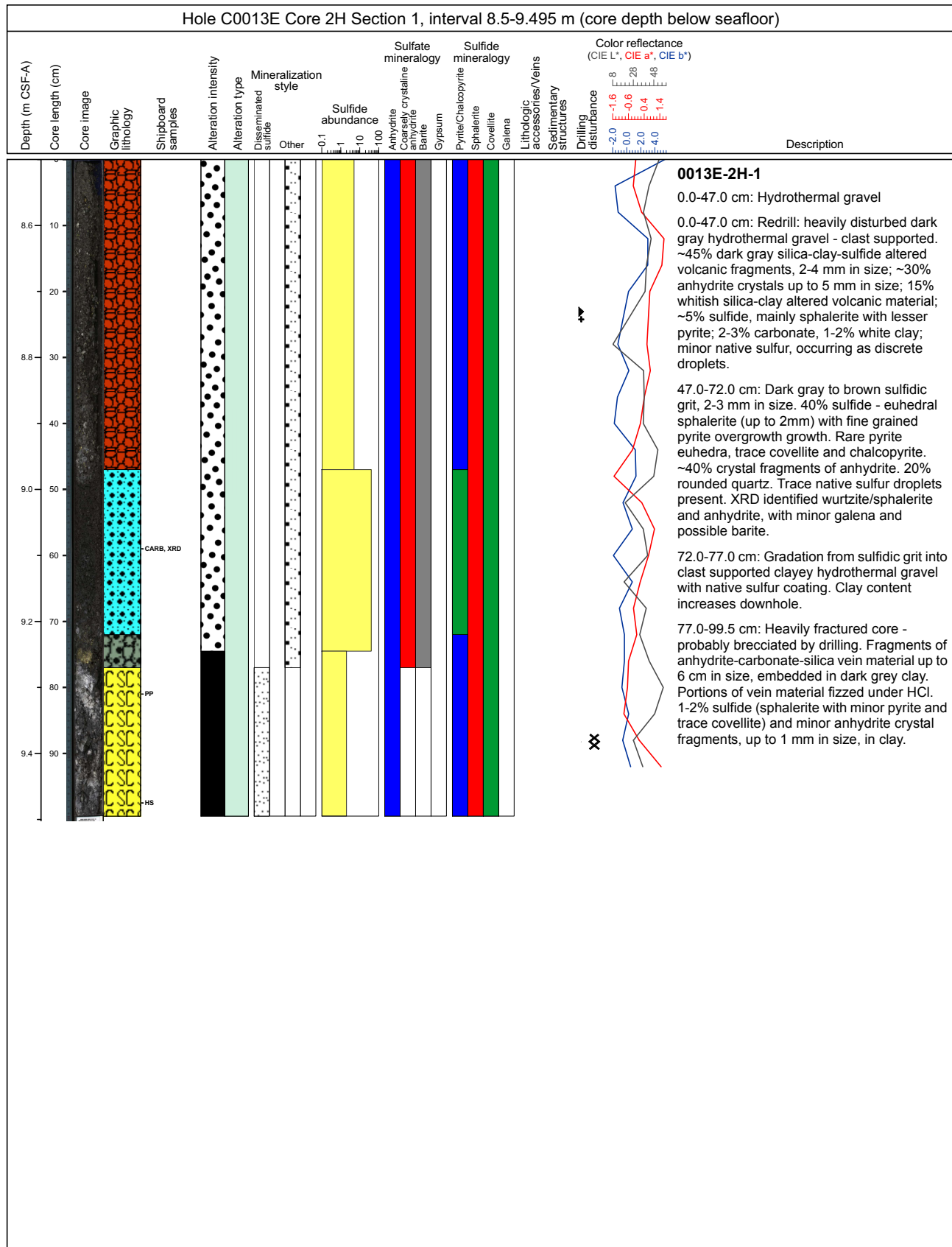
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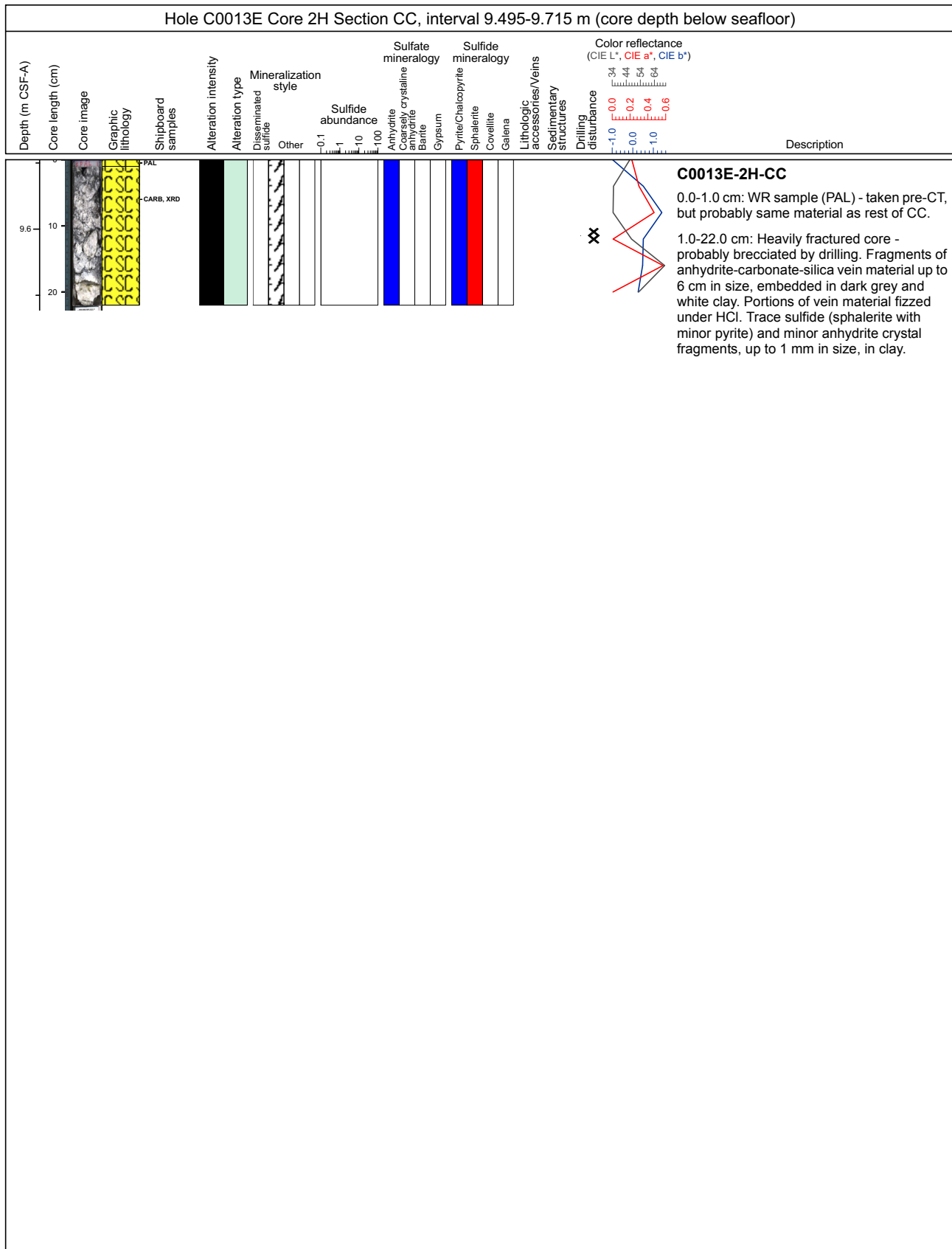
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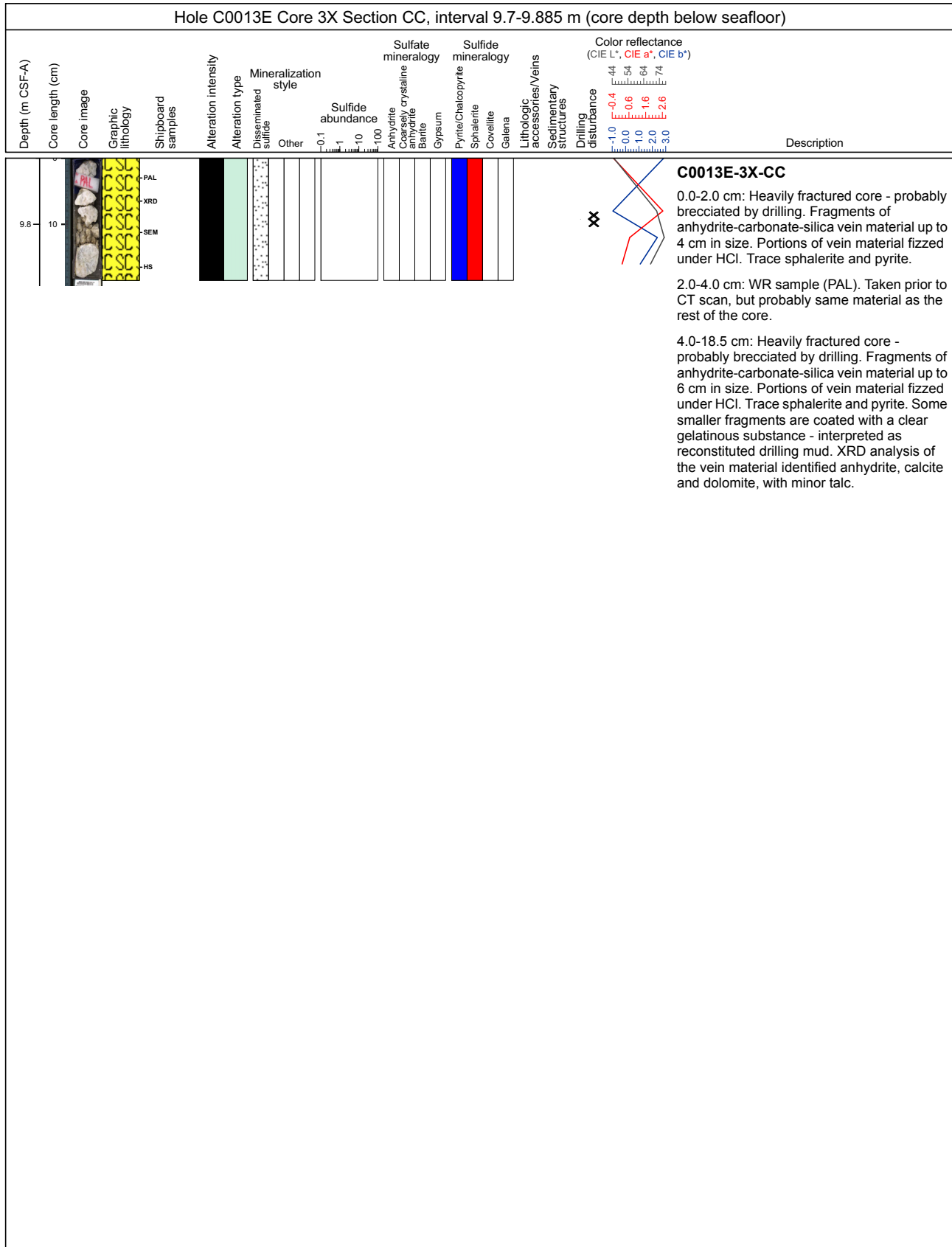
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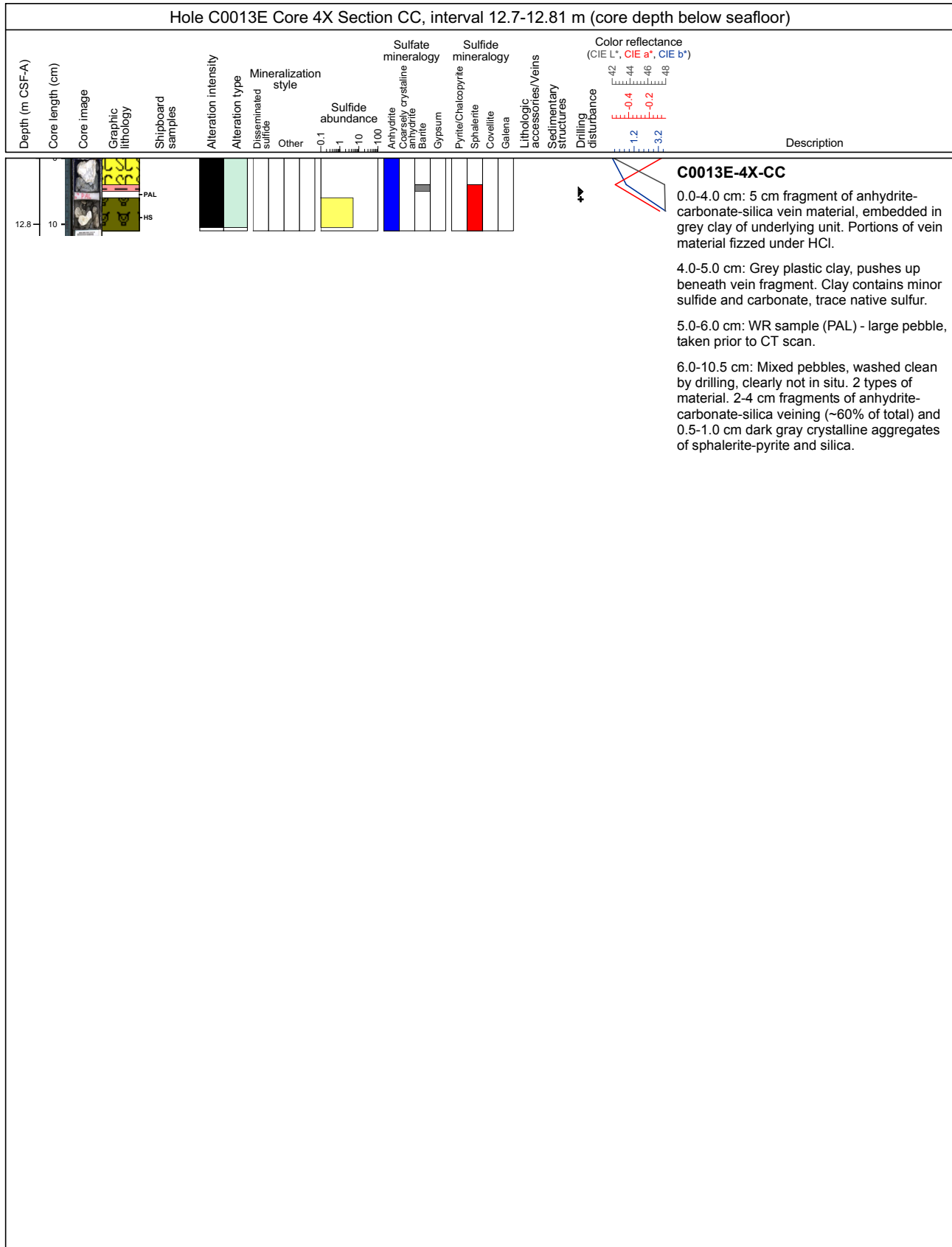
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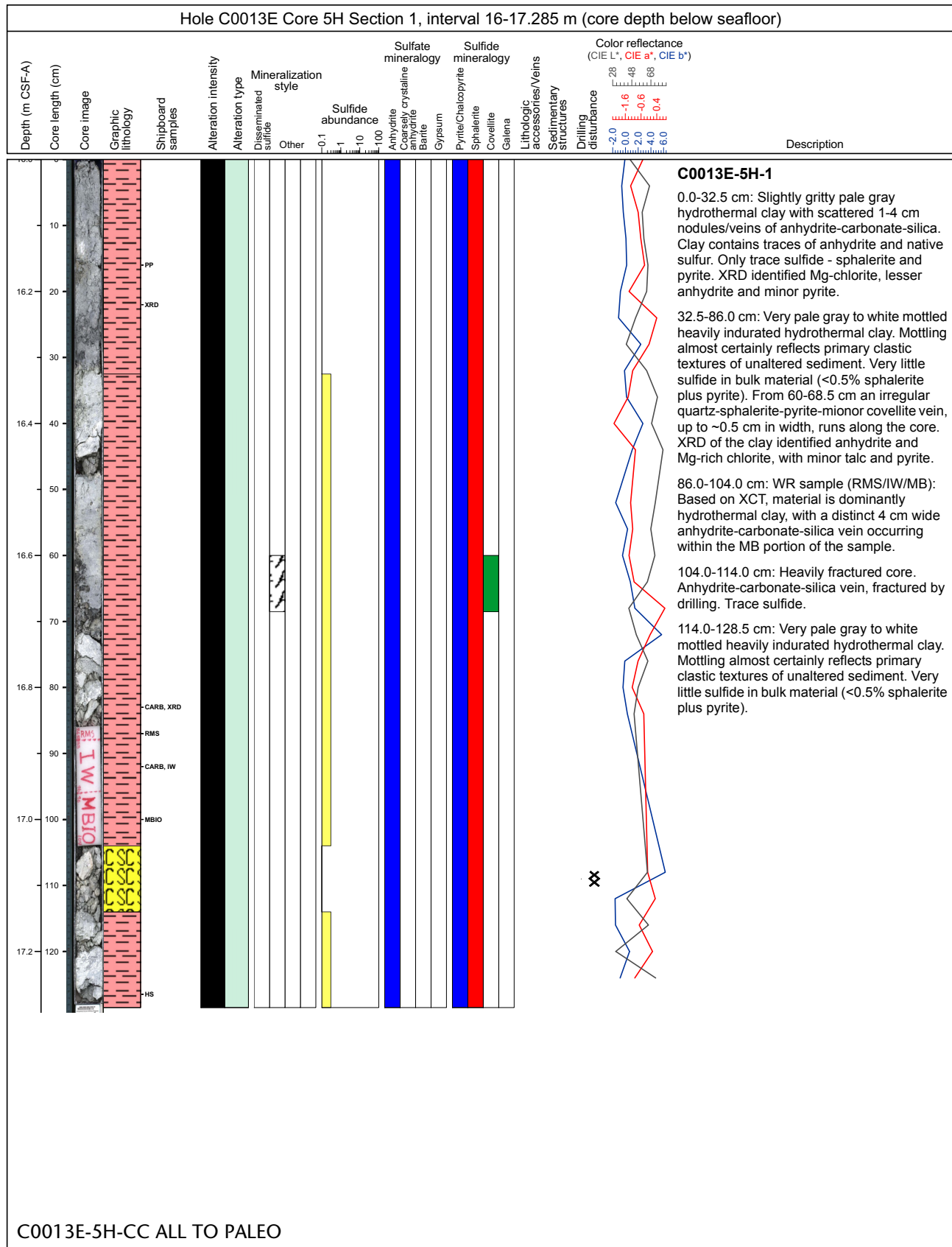
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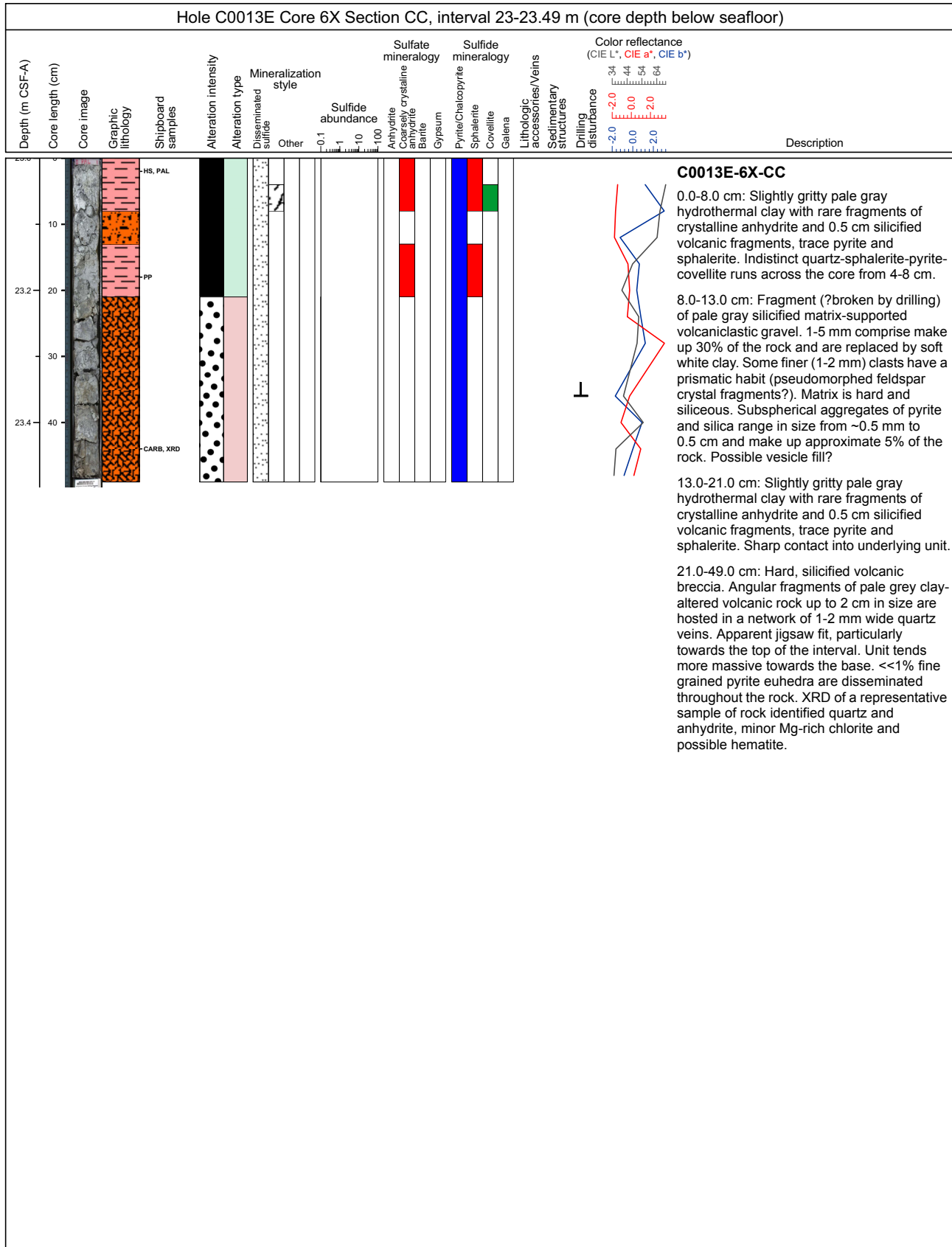
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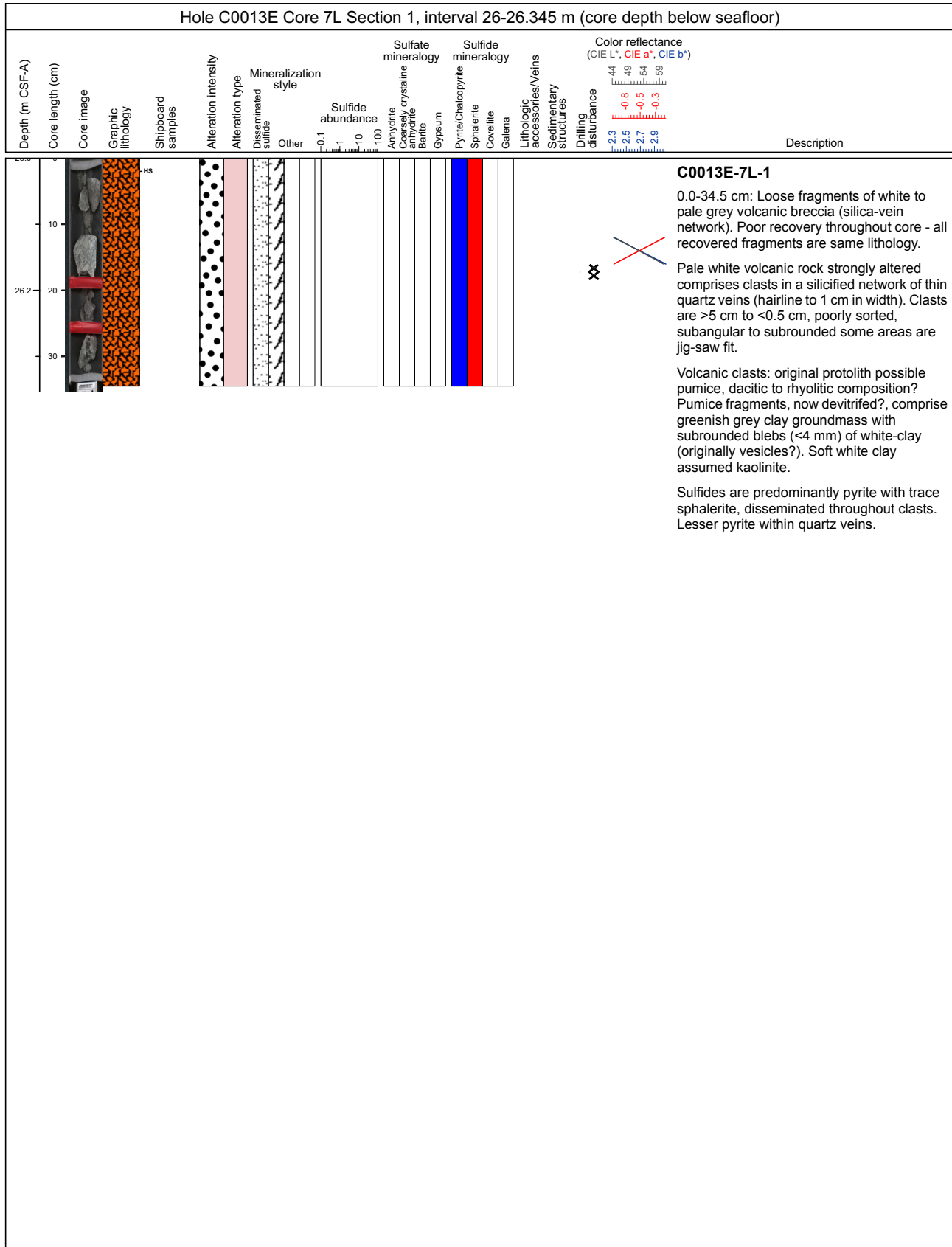
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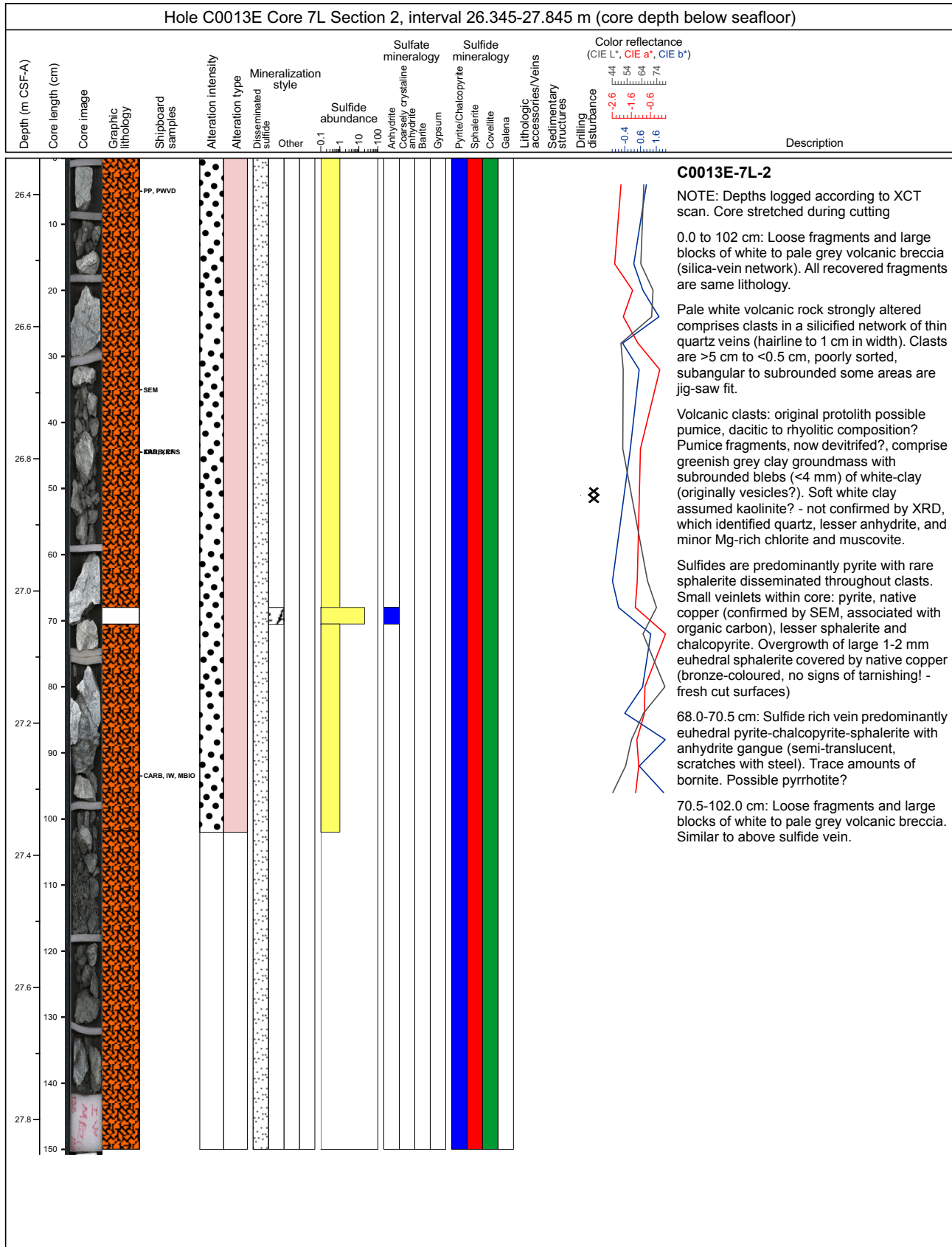
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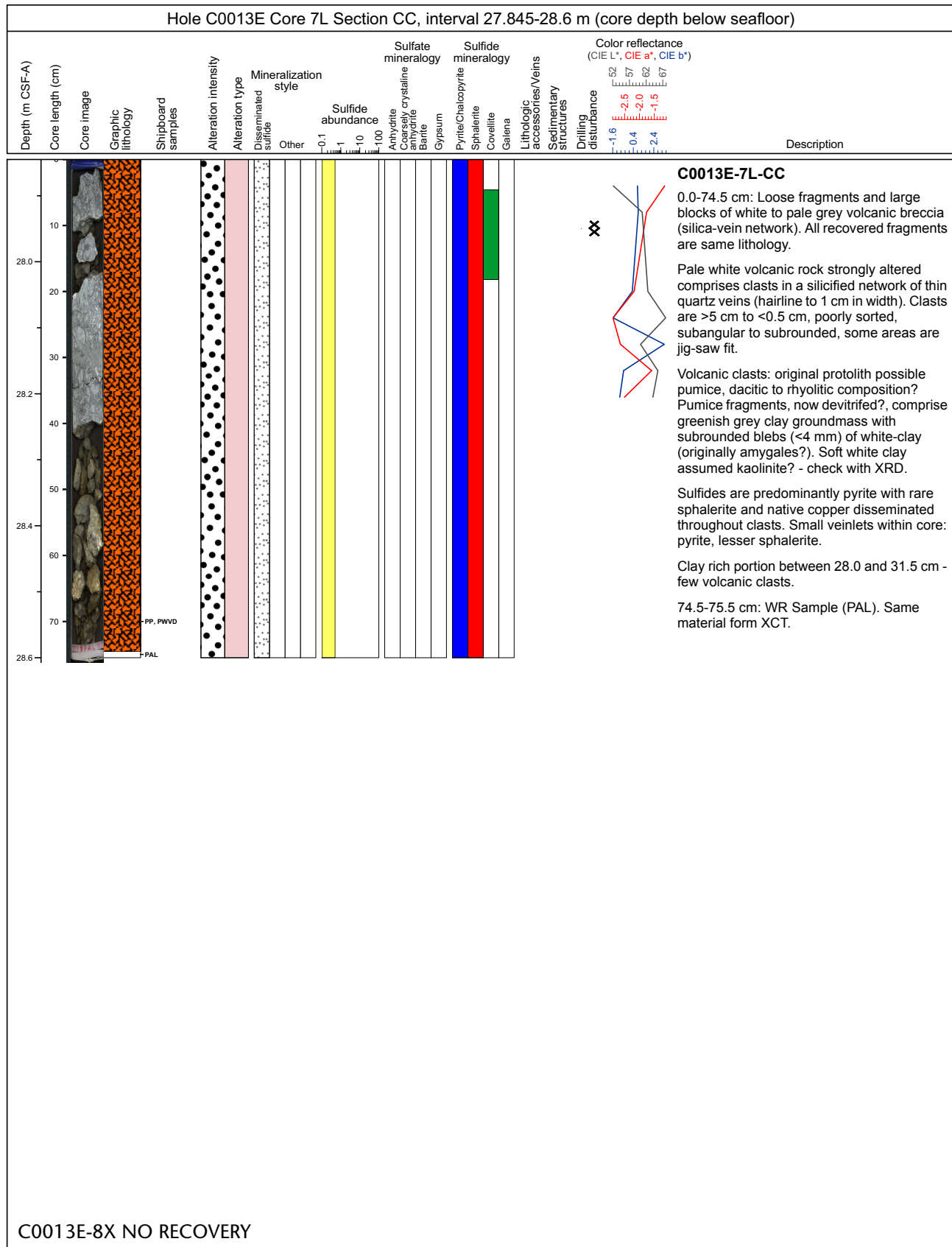
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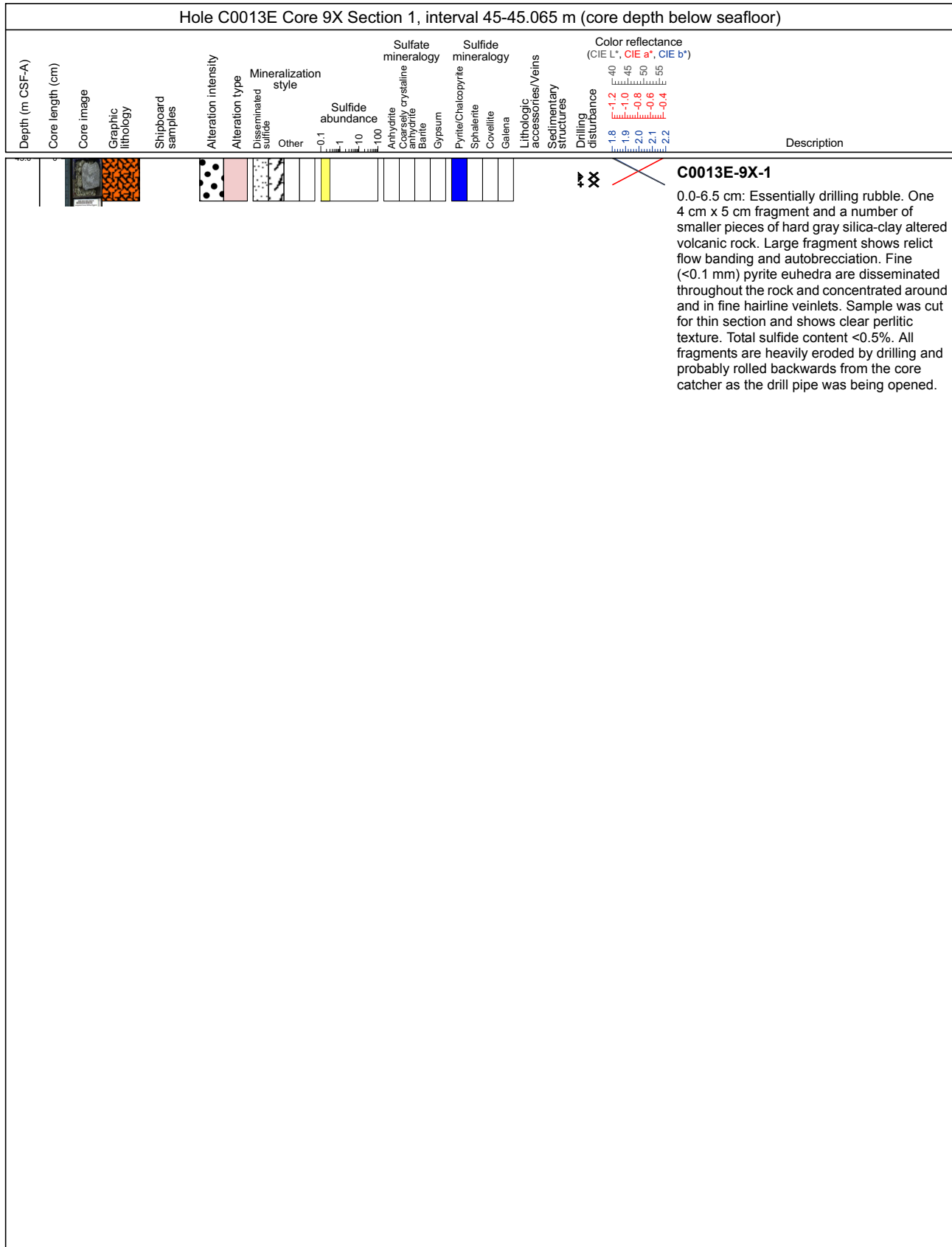
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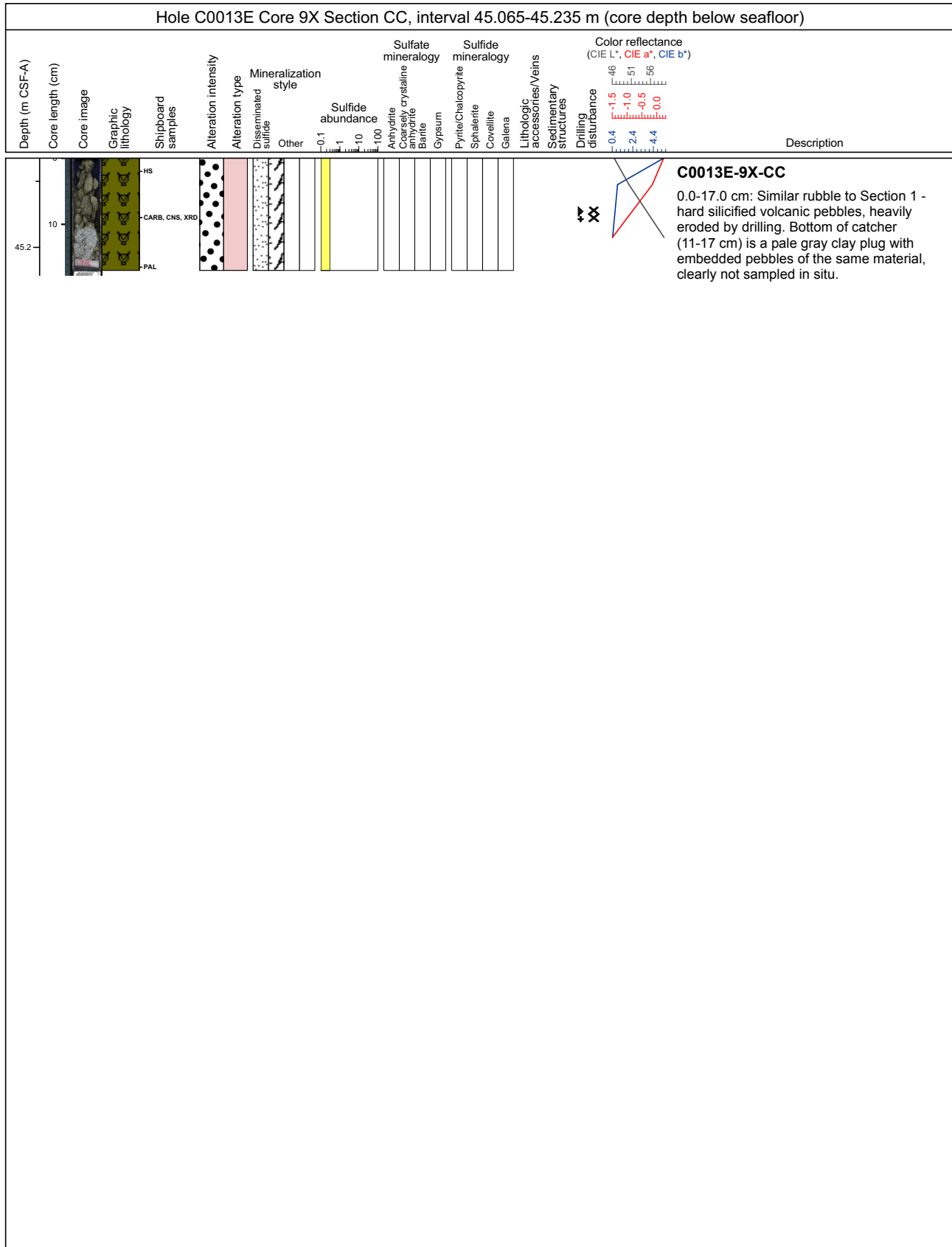
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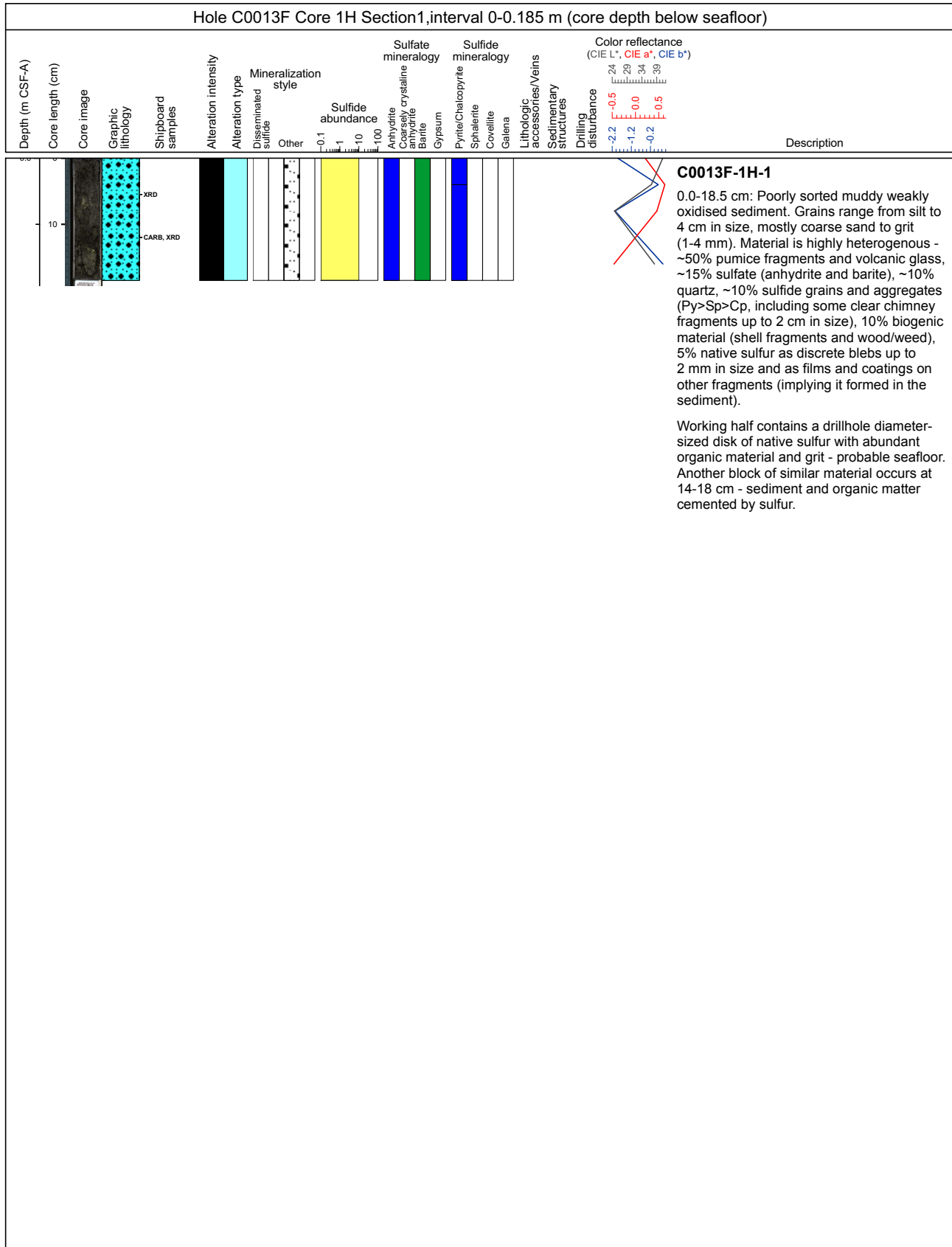
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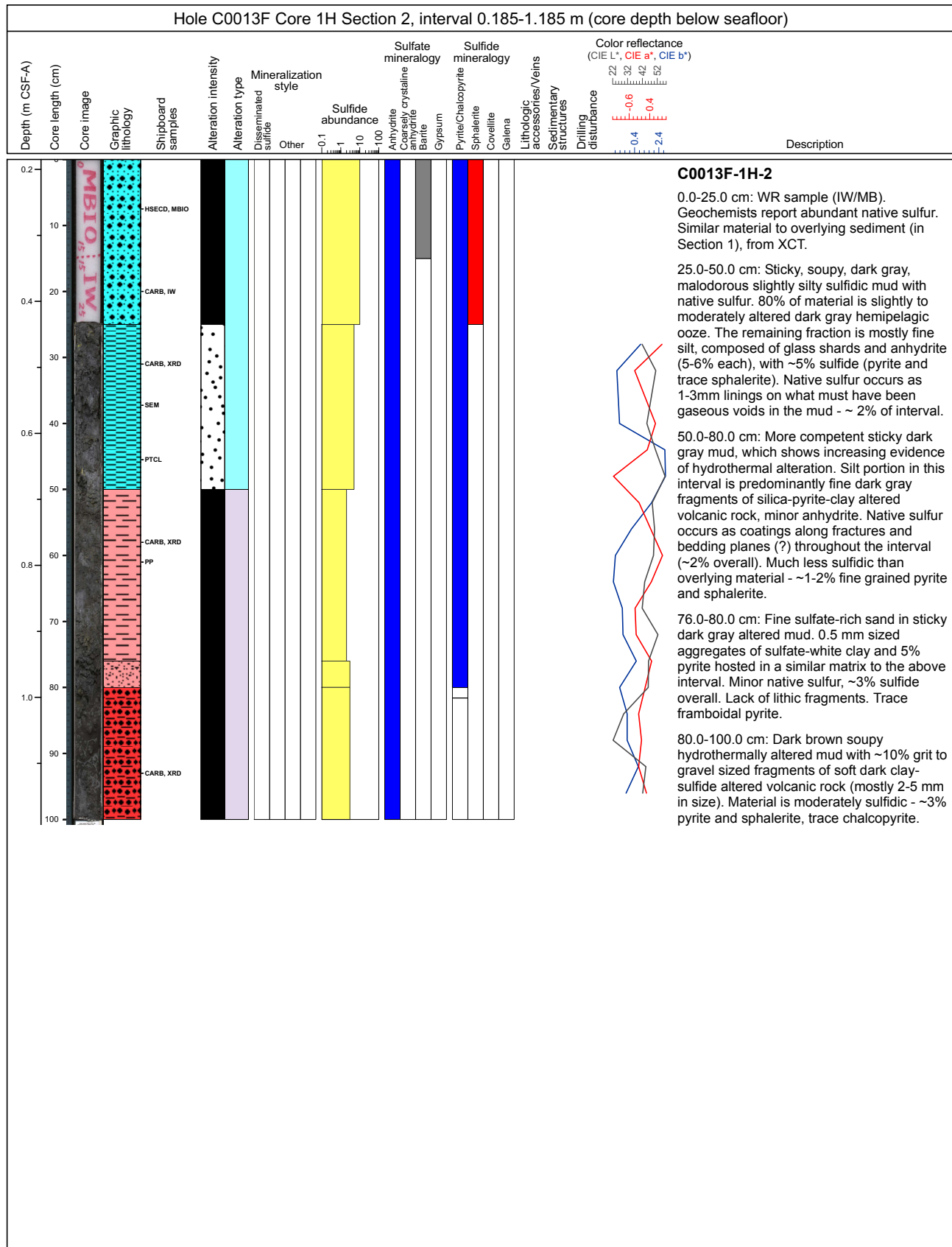
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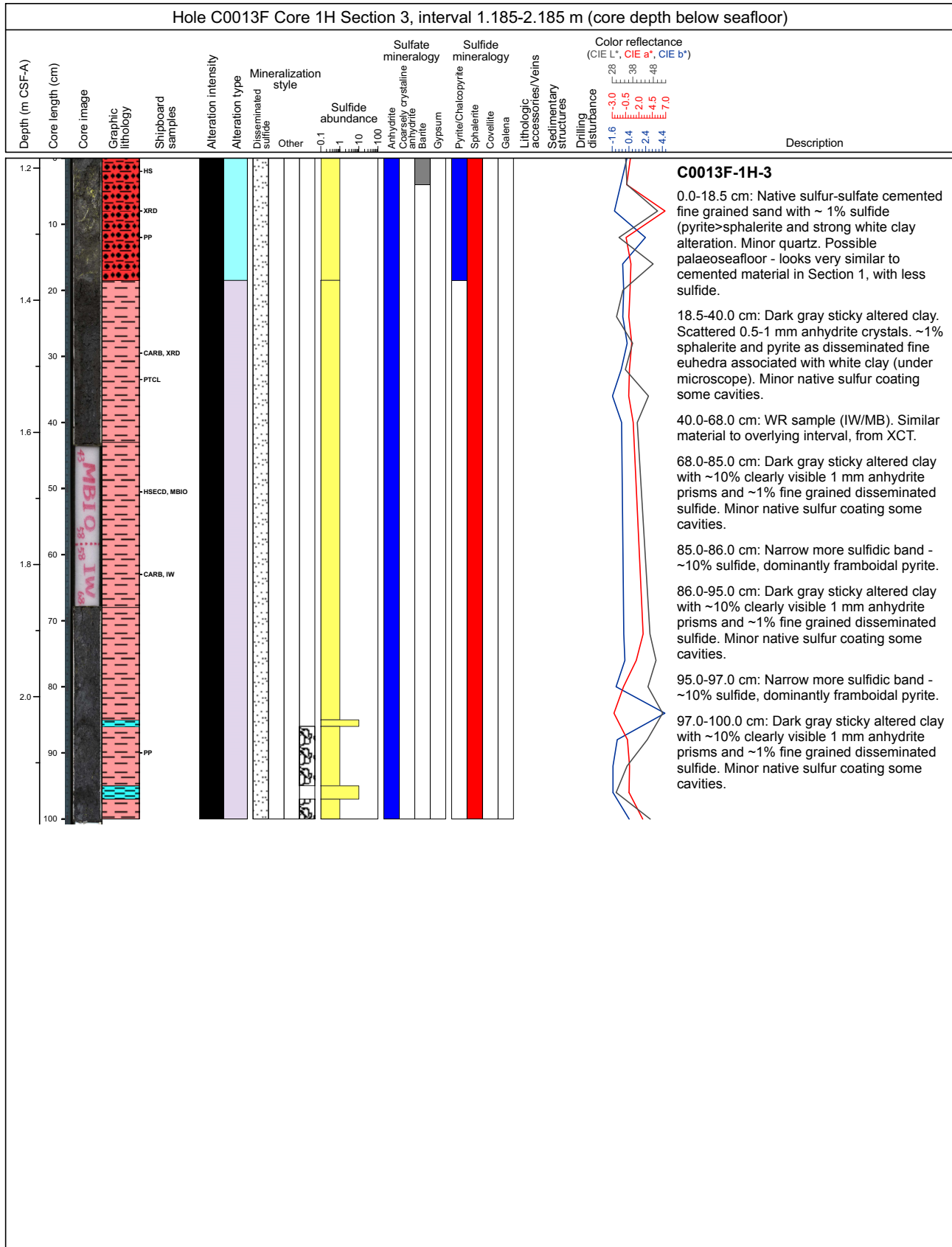
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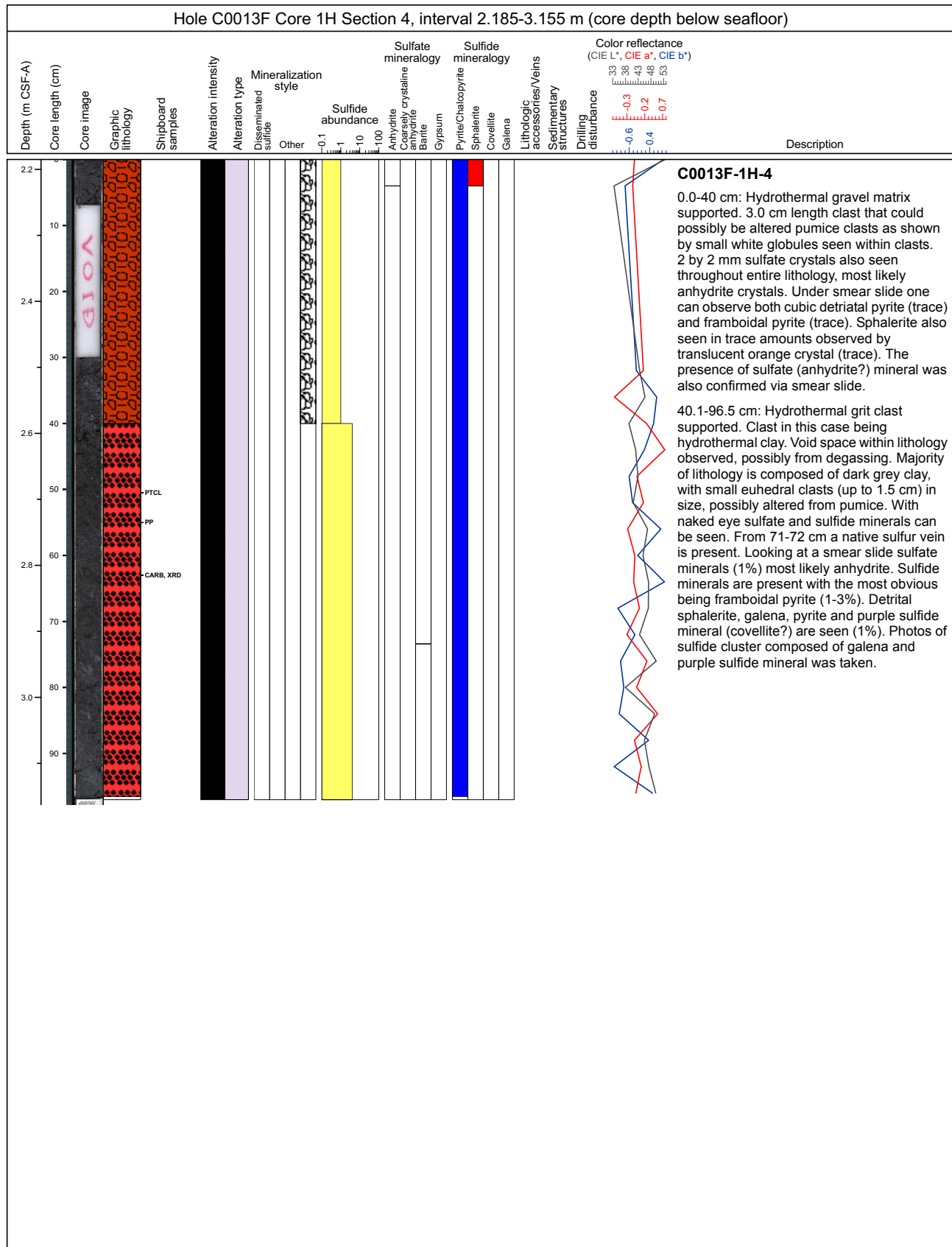
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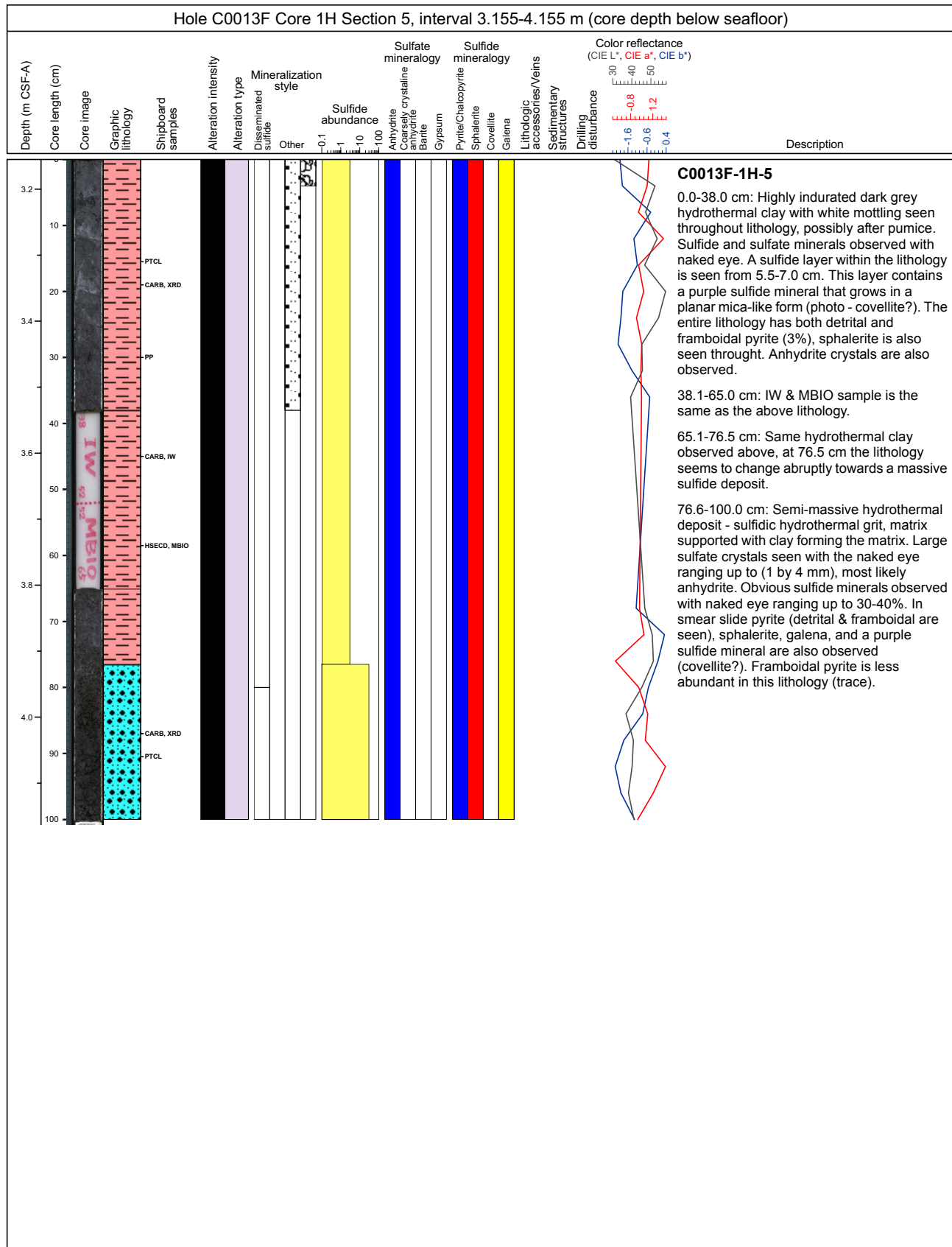
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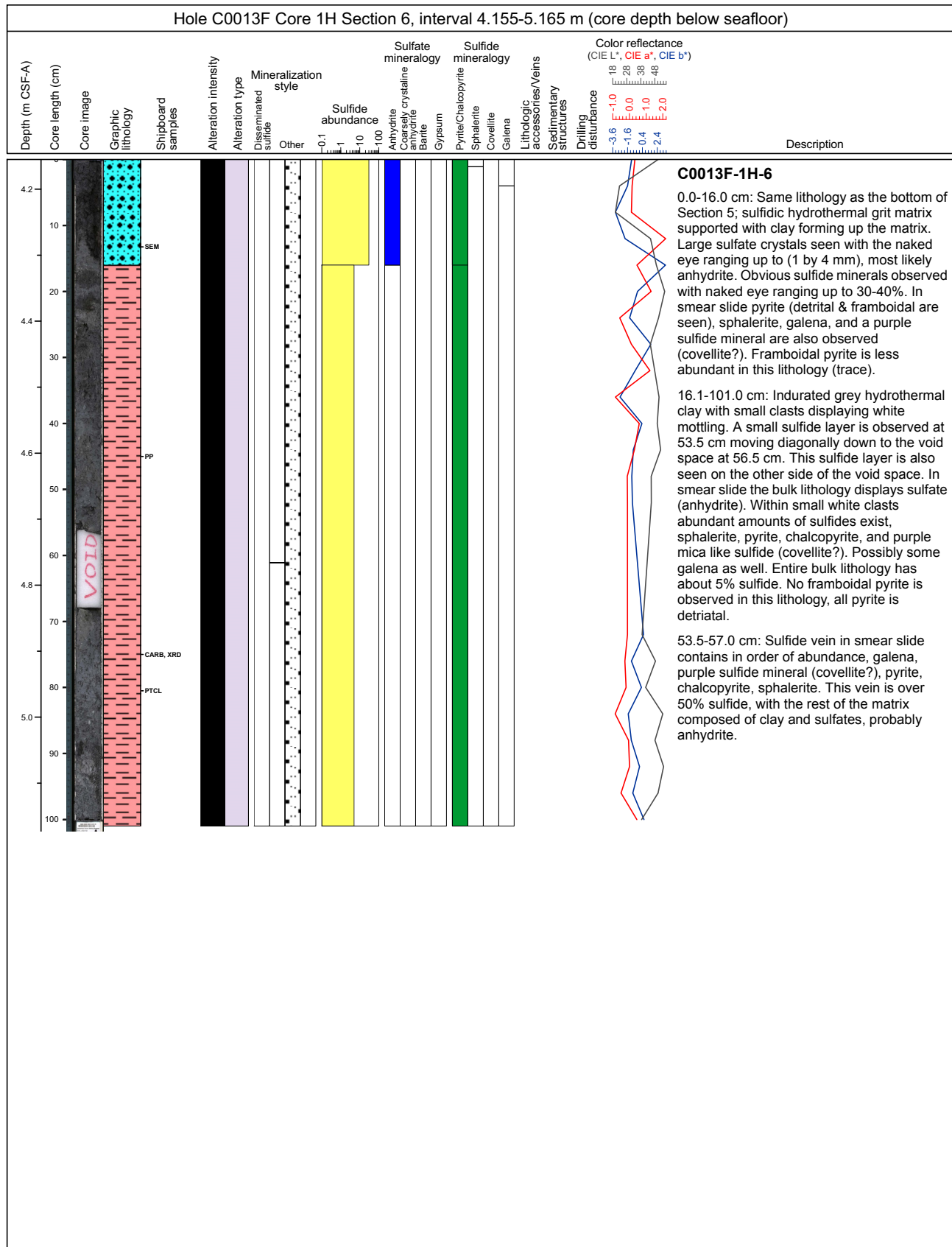
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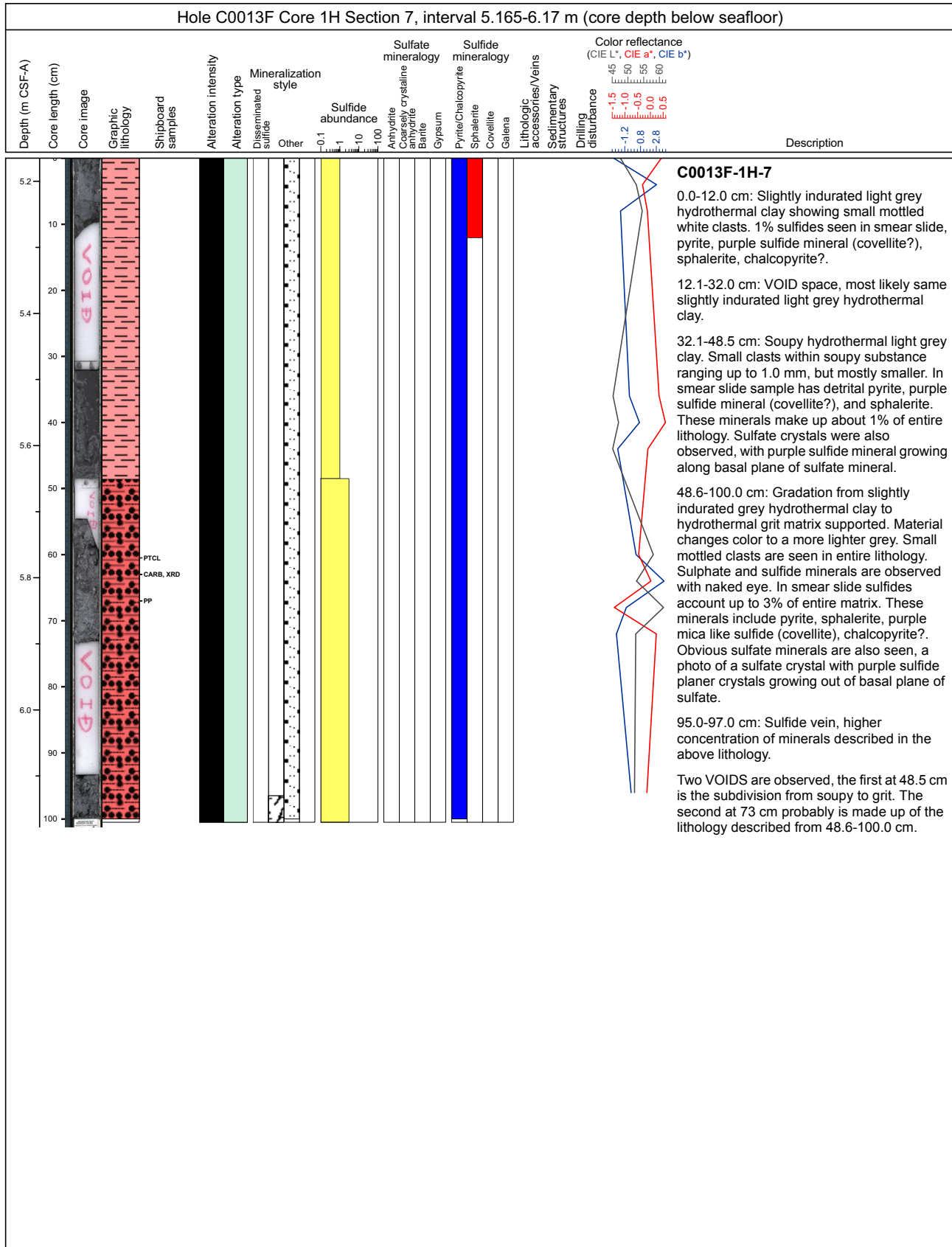
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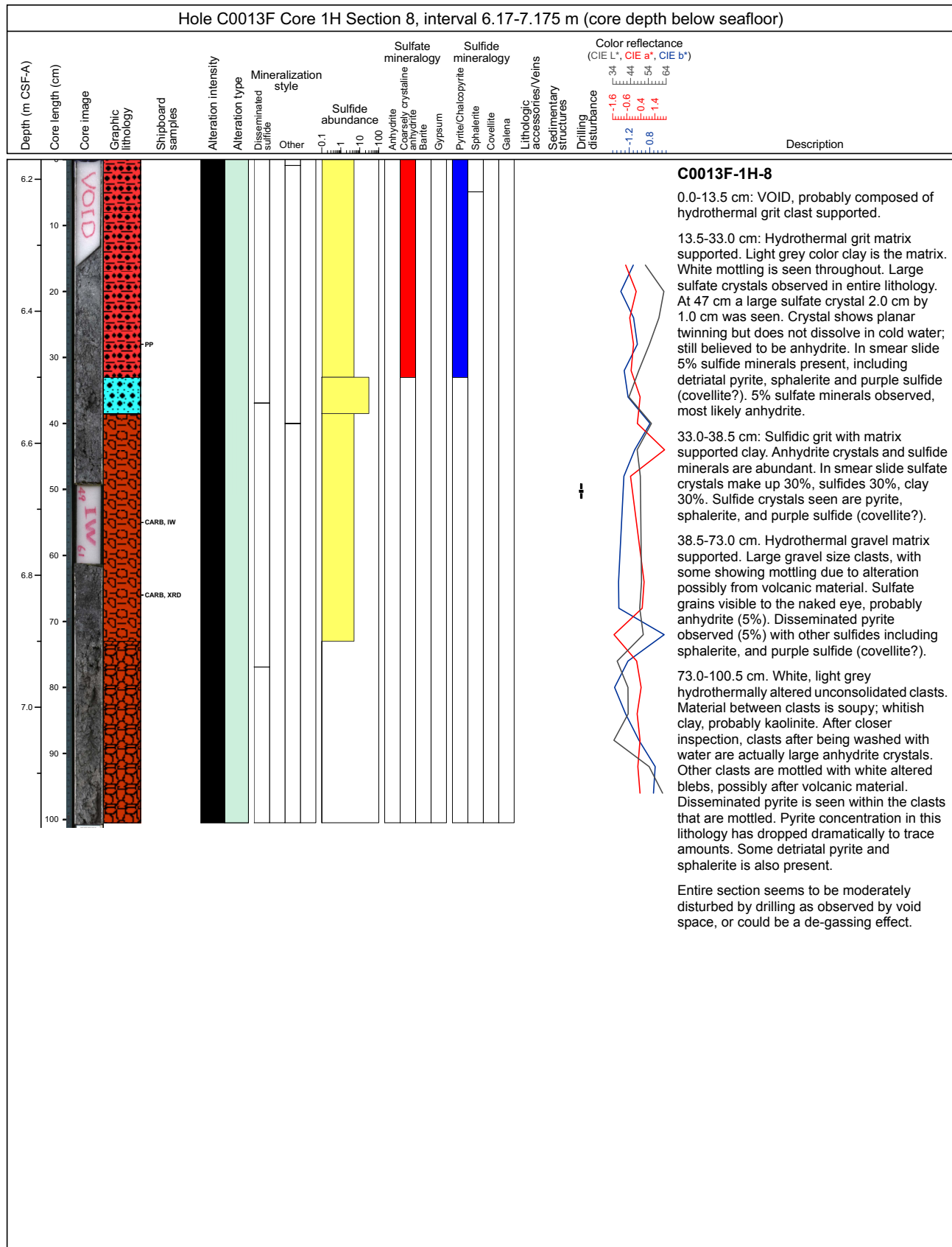
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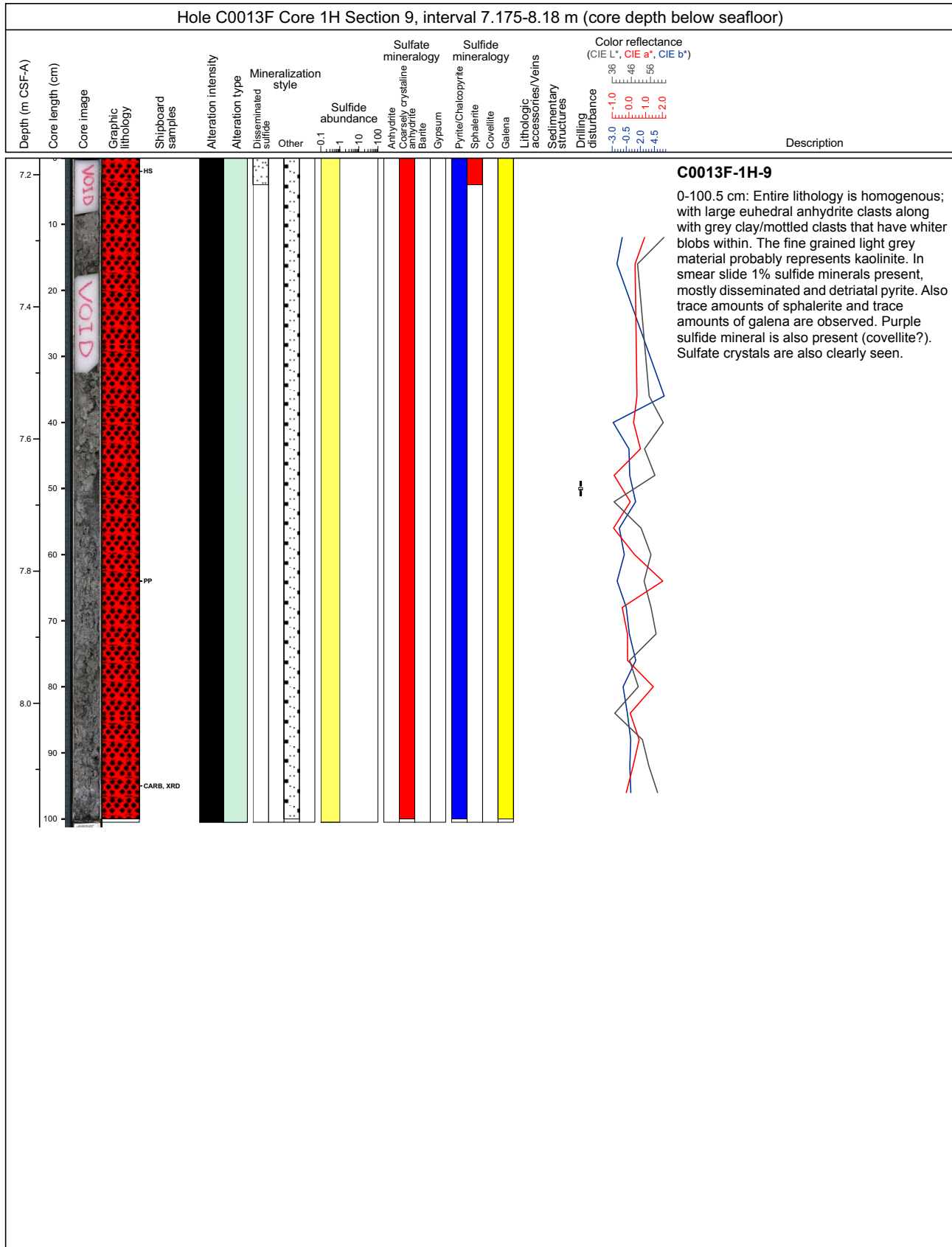
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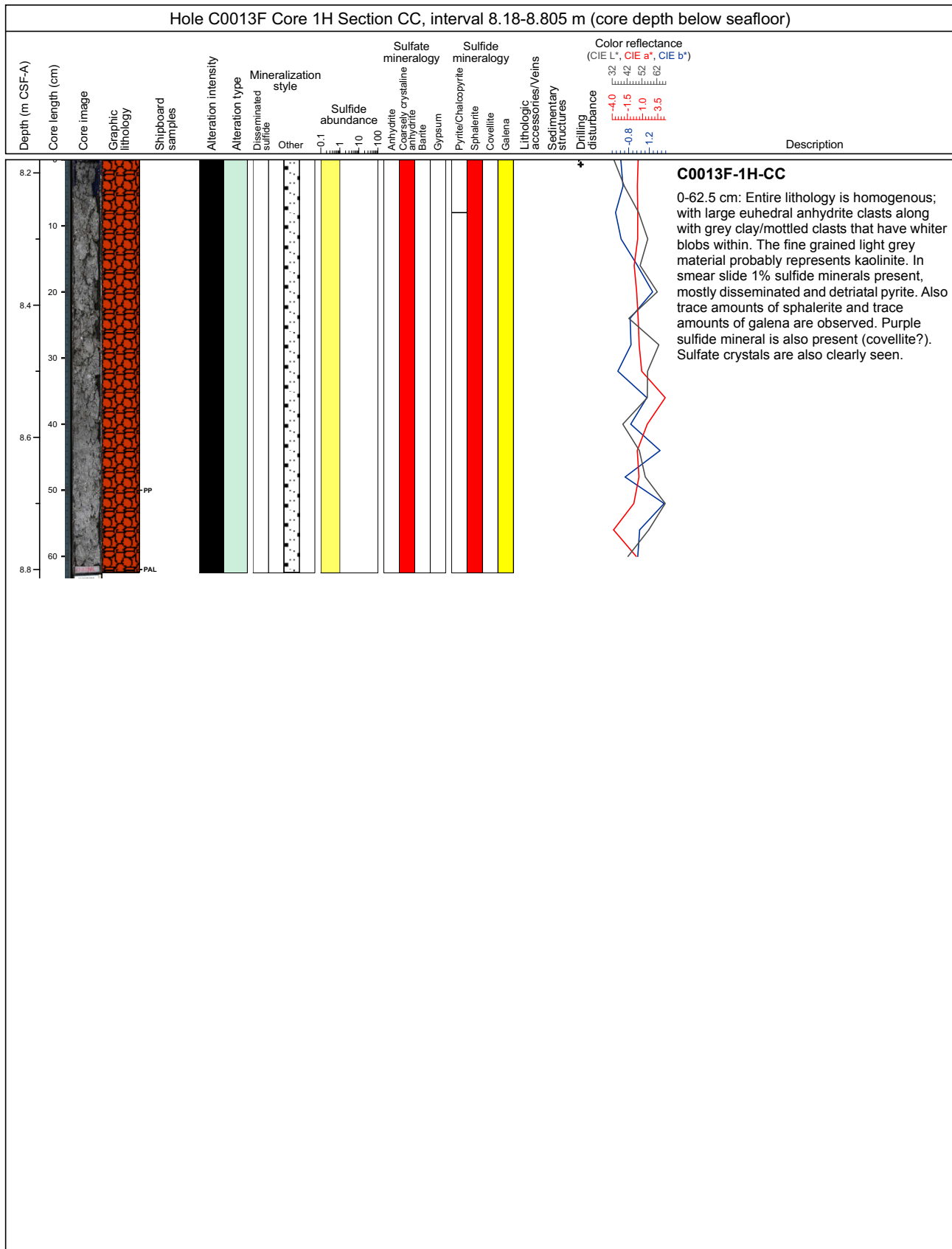
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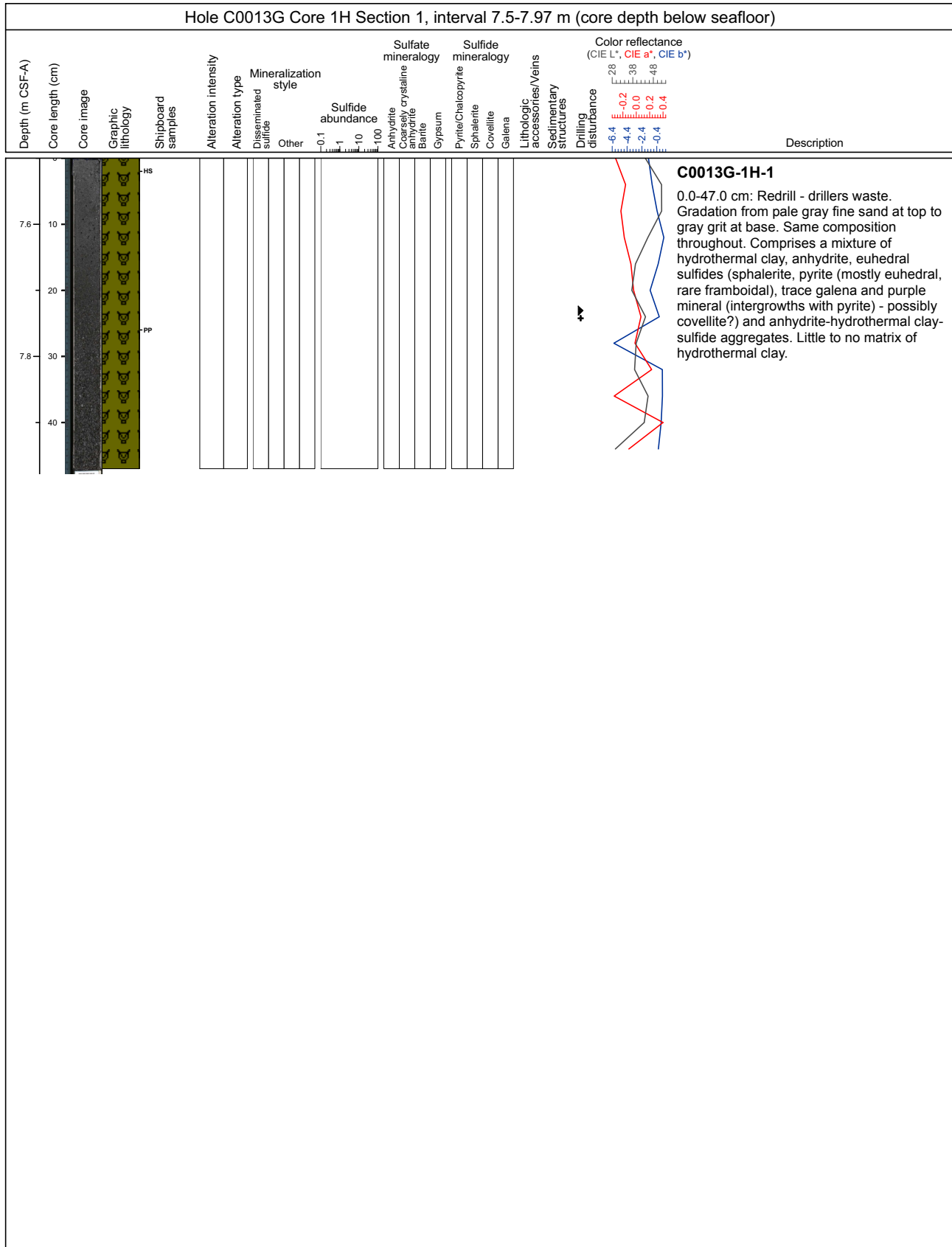
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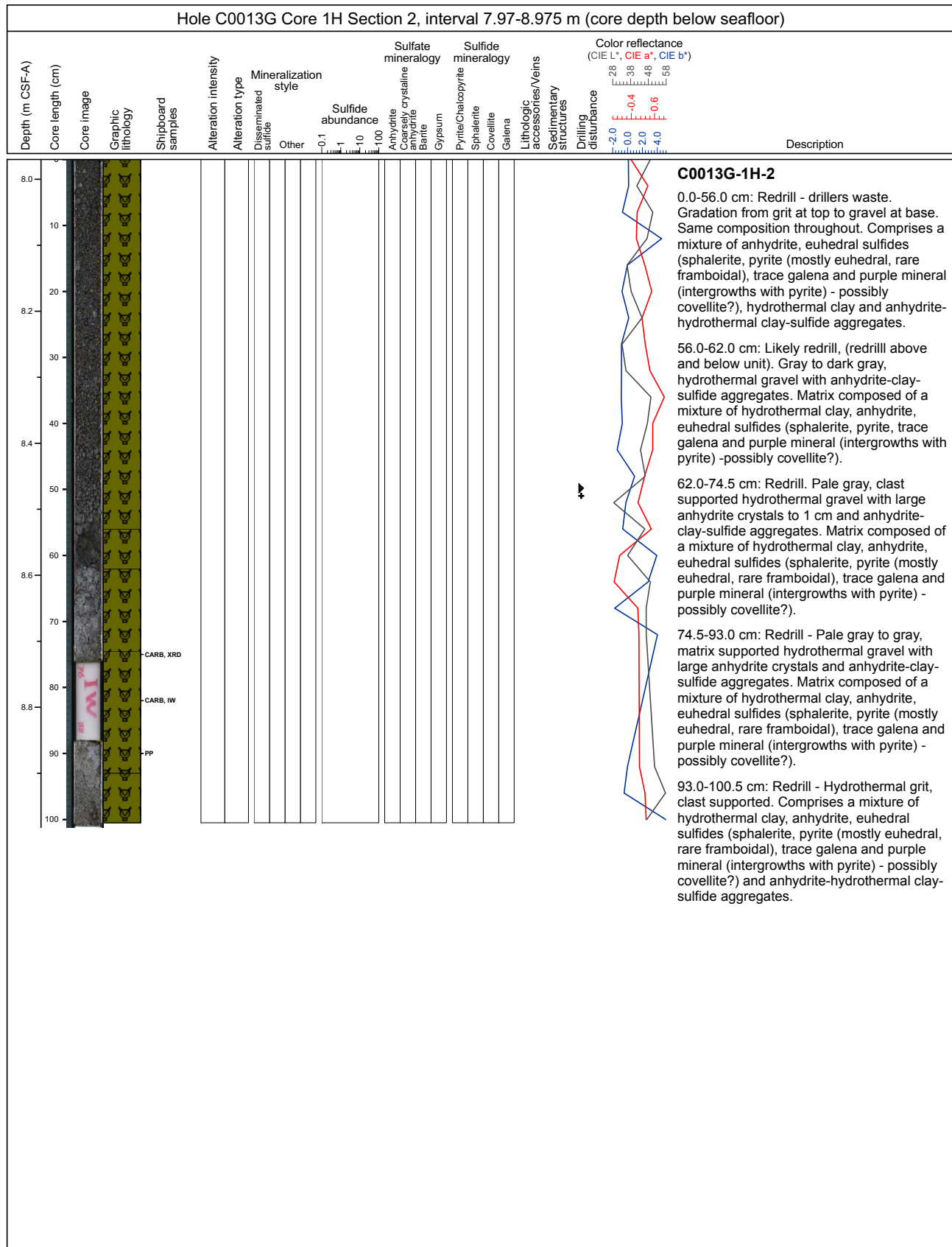
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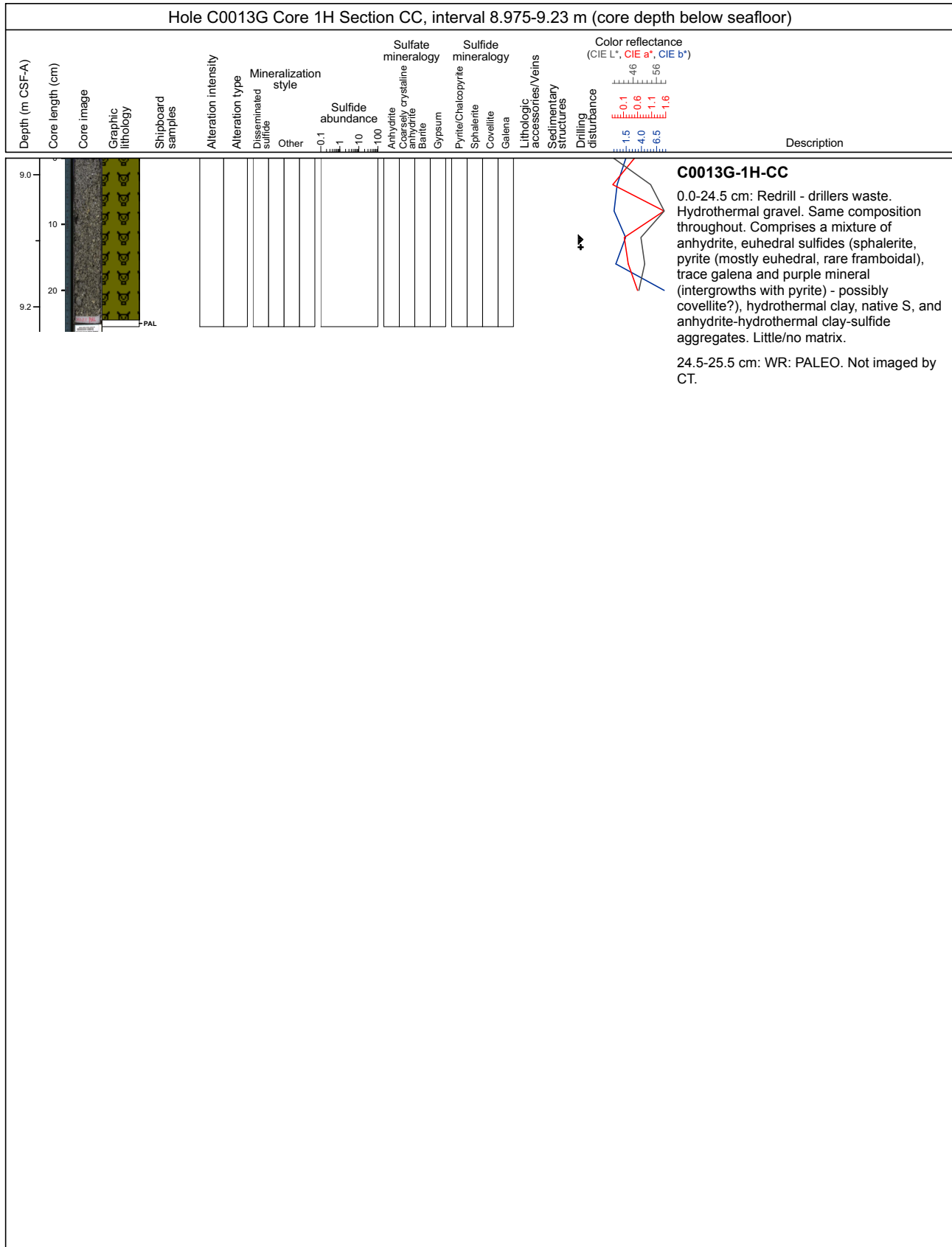
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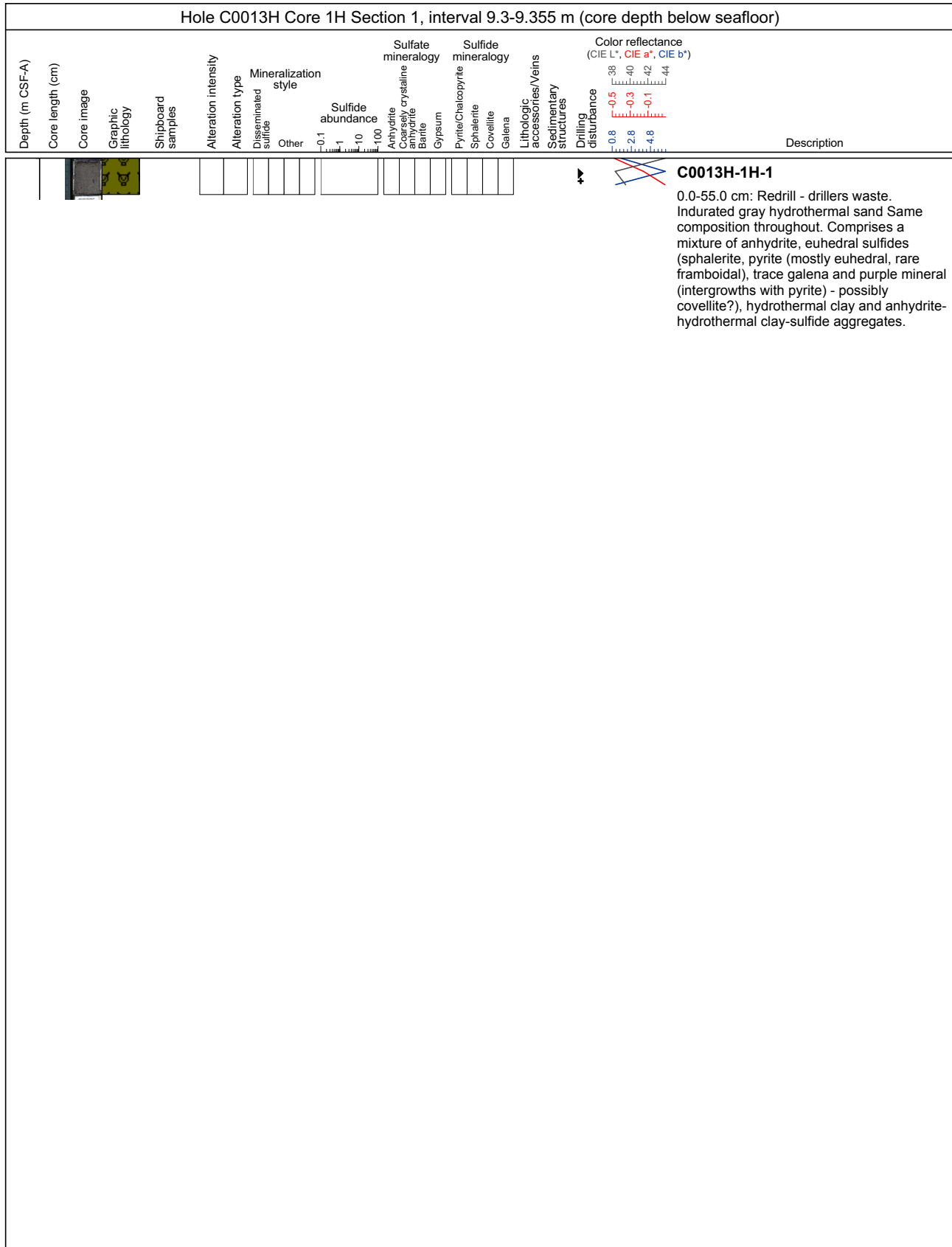
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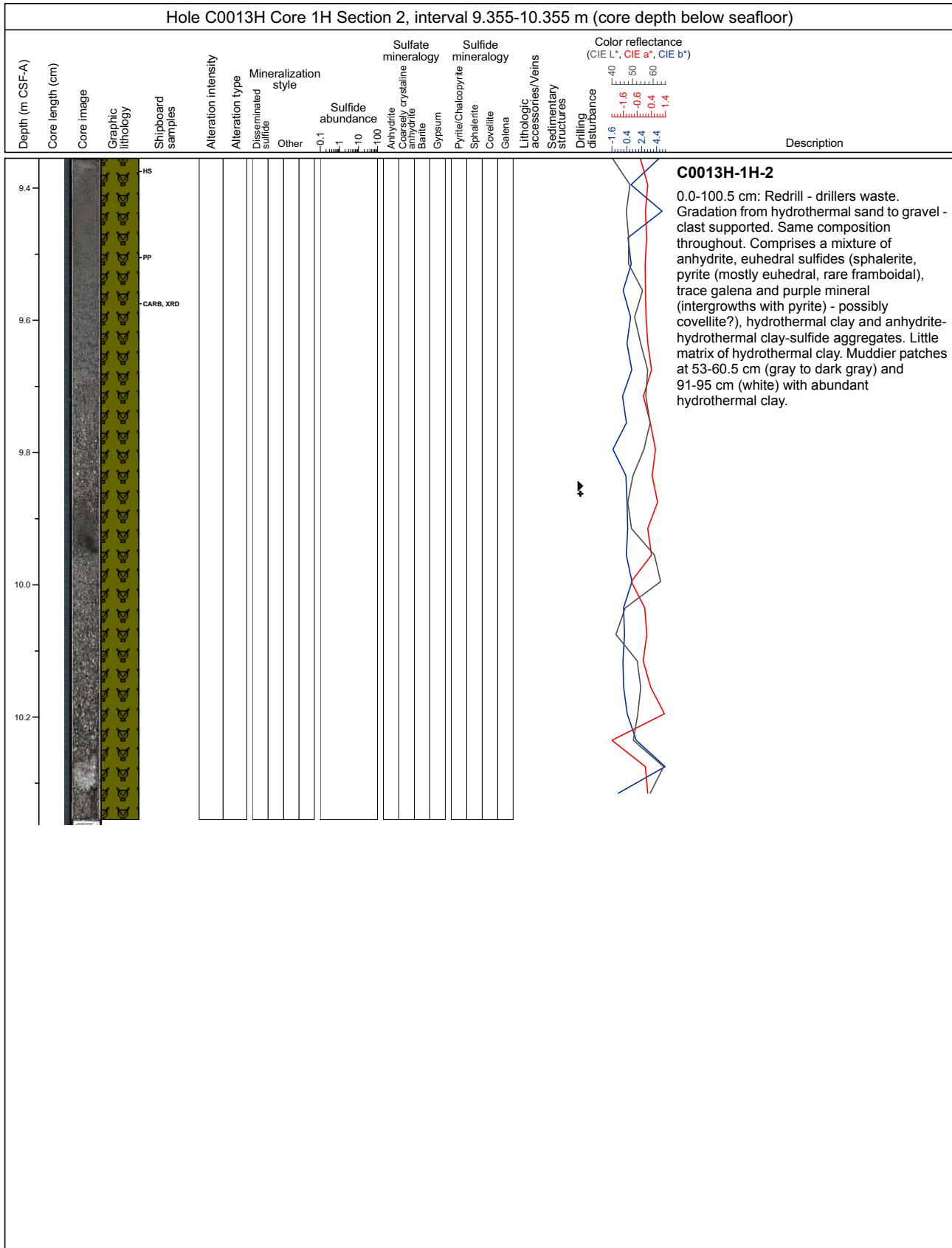
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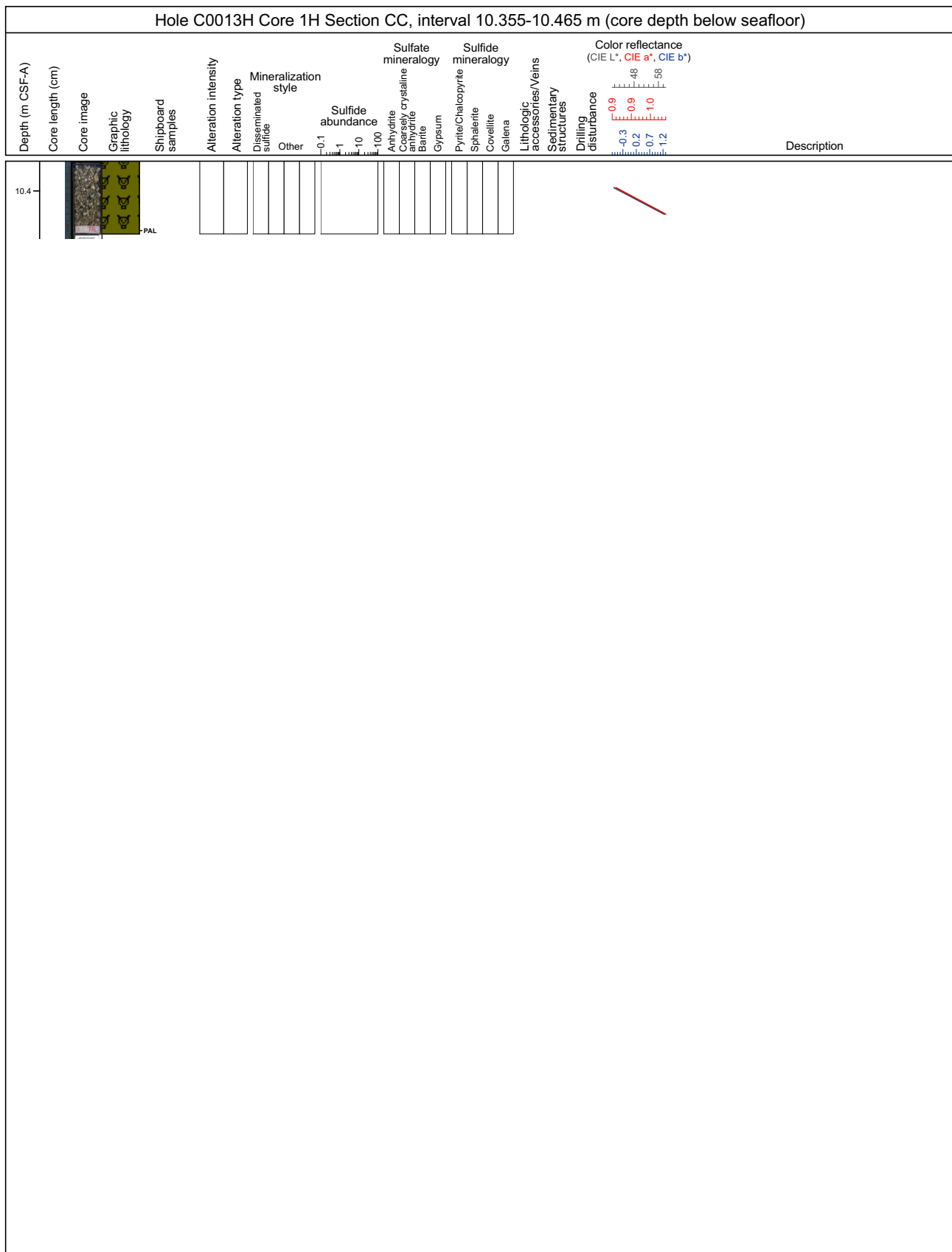
Core Photo



Core Photo



Core Photo



C0013C-1H-13: 99-101 cm

Macroscopic description: White anhydrite-silica-carbonate clast

Thin section mineralogy:

Anhydrite	60%	Sphalerite	Trace
Dolomite	20%	Pyrite	Trace
Talc/clay	20%	Galena	Trace

Description:

Stubby subhedral to granular, 100 to 200 μm , anhydrite crystals form a tight intergrowth with minor interstitial talc/clay and are cut by later coarsely crystalline (1 to 2 mm crystals) dolomite veins with talc selvages. Sulfide occurs as fine anhedral grains and polymetallic intergrowths in the anhydrite. Some of the sphalerite shows chalcopyrite disease.

Images (331-C0013C-1H-13_99-101_TSS_nn.PDF)

- 01:** Sphalerite-galena-pyrite aggregate. The sphalerite shows chalcopyrite disease [RL, x20].
- 02:** Typical anhydrite intergrowth with minor interstitial talc/clay [PPL, x5].
- 03: Same FOV as 02.** Typical anhydrite intergrowth with minor interstitial talc/clay [XPL, x5].
- 04:** Anhydrite (top left) and talc selvedge (bottom right) to dolomite vein [PPL x5].
- 05: Same FOV as 04.** Anhydrite (top left) and talc selvedge (bottom right) to dolomite vein [XPL x5].
- 06:** Dolomite vein with brown talc selvedge in cutting anhydrite [PPL x2.5].
- 07: Same FOV as 06.** Dolomite vein with brown talc selvedge in cutting anhydrite [XPL x2.5].

C0013E-7L-CC: 60-62 cm

Macroscopic description: White anhydrite-silica-carbonate clast

Thin section mineralogy:

Quartz	60%	Muscovite	1%
Volcanic Glass	30%	Pyrite	1%
Chlorite	8%		

Description:

Flow banded partially devitrified domains of weakly vesicular volcanic glass ~1-3mm across are hosted in a fine grained crystalline quartz-chlorite matrix which is cut by coarsely crystalline quartz veins with minor euhedral pyrite, up to 0.5mm in size. Minor primary igneous muscovite is present, preserved within glassy domains. Banding shows continuity between domains in most (but not all) cases and remnant perlitic texture was observed. Coarse quartz lines igneous vesicles.

Images (331-C0013E-7L-CC_60-62_TSS_nn.PDF)

- 01:** Quartz lined vesicle [PPL, x2.5].
- 02:** Same FOV as 01. Quartz lined vesicle [XPL, x2.5].
- 03:** Euhedral pyrite hosted in quartz [PPL, x5].
- 04:** Same FOV as 03. Euhedral pyrite hosted in quartz [XPL, x5].
- 05:** Same FOV as 03. Euhedral pyrite hosted in quartz [RL, x5].
- 06:** Partially devitrified volcanic glass, cut by quartz vein [PPL, x2.5].
- 07:** Same FOV as 06. Partially devitrified volcanic glass, cut by quartz vein [XPL, x2.5].
- 08:** Remnant perlitic texture in volcanic glass [PPL, x5].
- 09:** Same FOV as 08. Remnant perlitic texture in volcanic glass [XPL, x5].
- 10:** Same FOV as 08. Remnant perlitic texture in volcanic glass [RL, x5].
- 11:** Groundmass of quartz-chlorite (after glass) cut by coarser quartz vein [PPL, x10].
- 12:** Same FOV as 11. Groundmass of quartz-chlorite (after glass) cut by coarser quartz vein [XPL, x10].