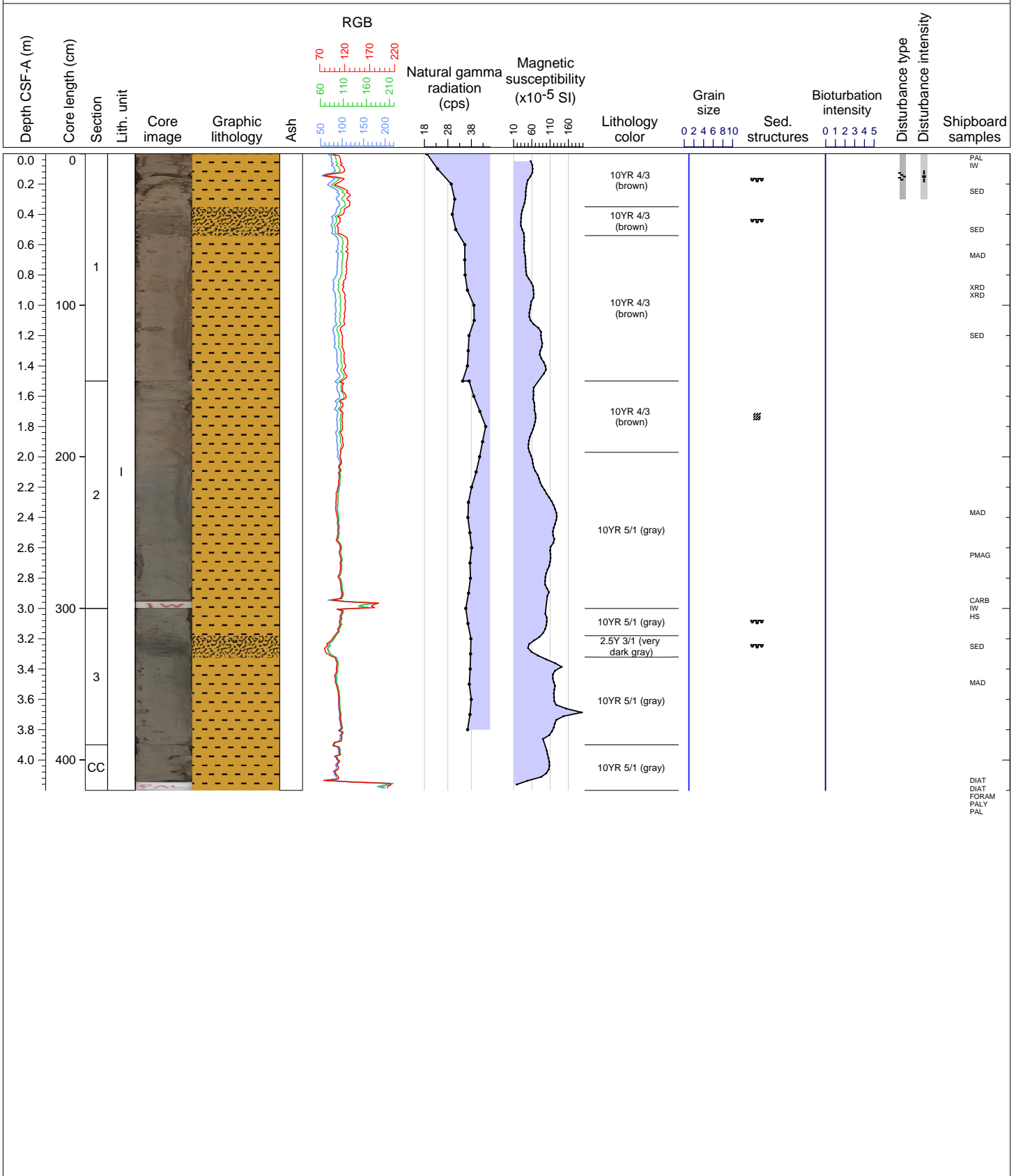


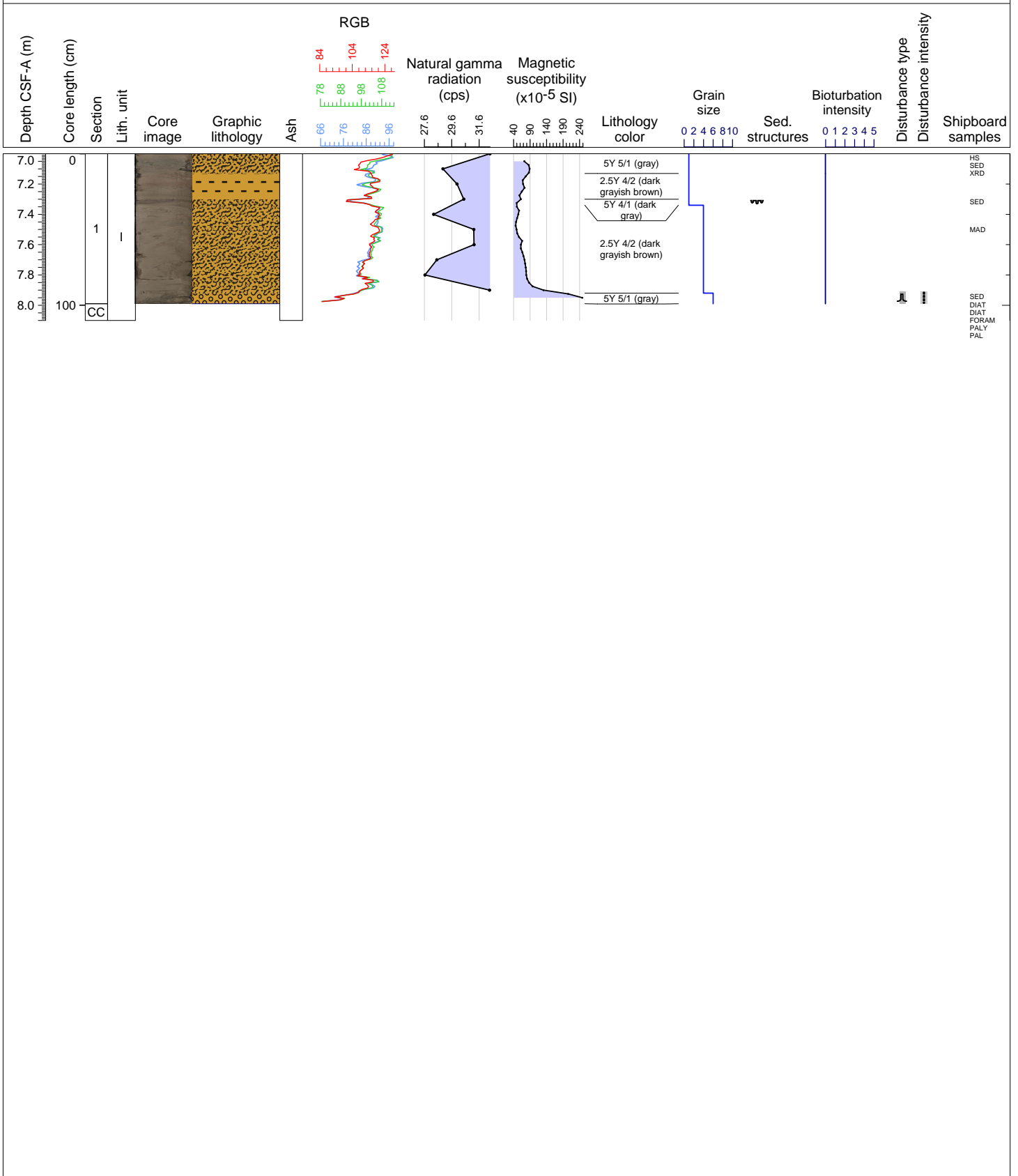
Hole 396-U1566A Core 1R, Interval 0.0-4.2 m (CSF-A)

Core consists of CLAY, silt rich clay, and clay with silt. Color ranges from brown (10YR 4/3) to very dark gray (2.5Y 3/1) and trace to common foraminifers are present throughout.



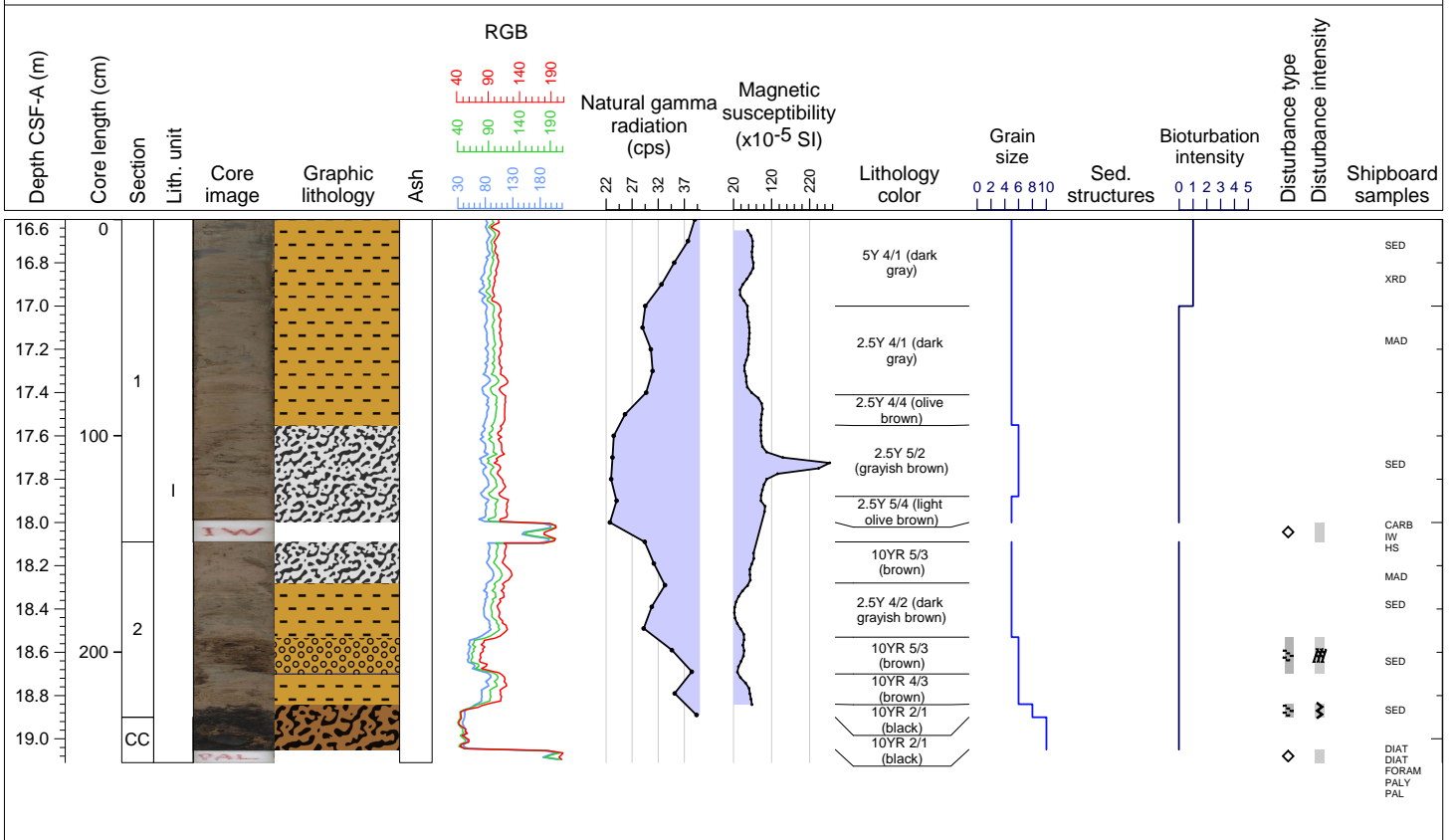
Hole 396-U1566A Core 2R, Interval 7.0-8.1 m (CSF-A)

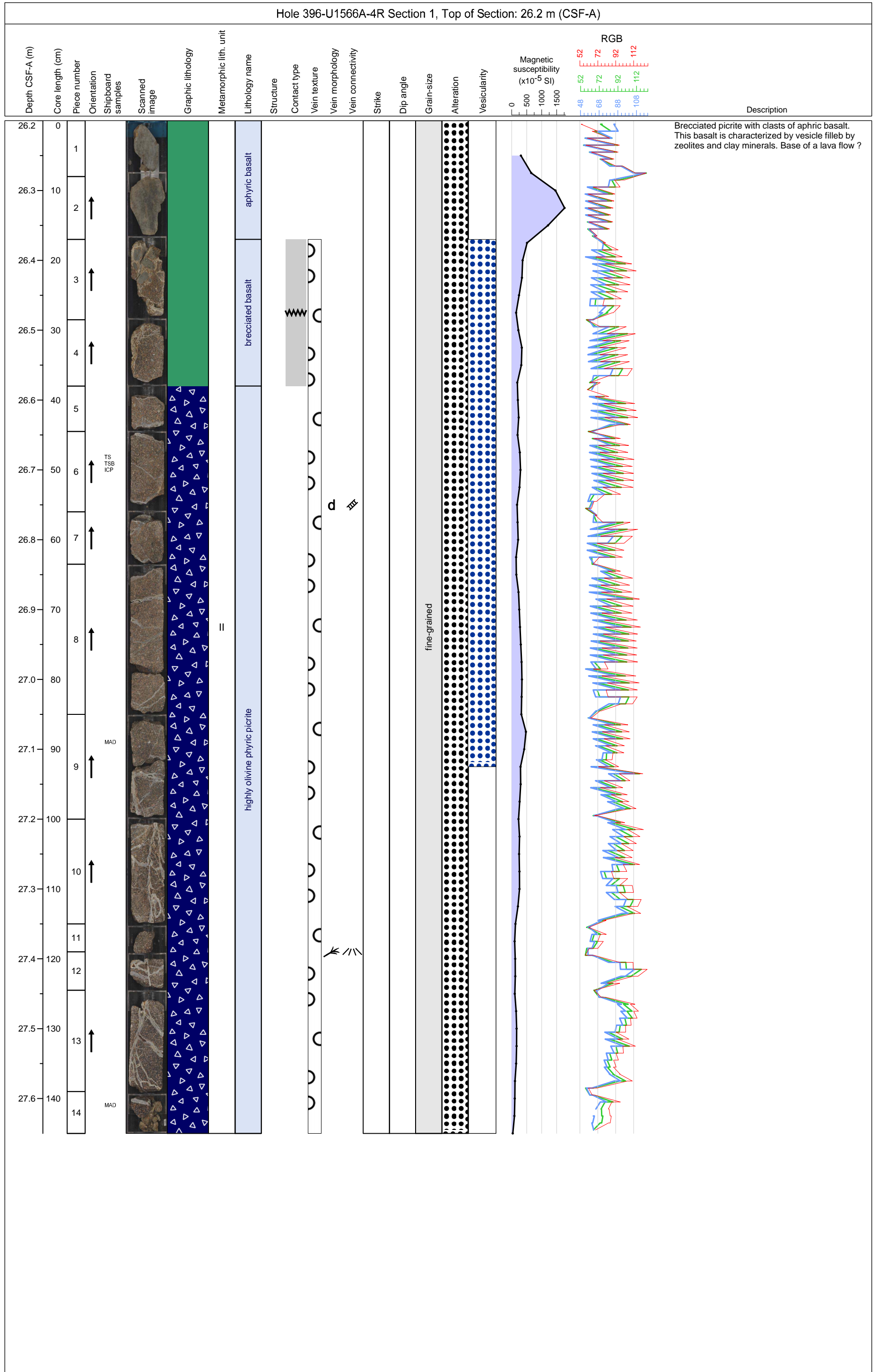
The primary lithology of this core is CLAY. Some medium to thick beds of silt rich clay with sand and clast rich clay with sand are present. Color varies from light olive brown (2.5Y 5/4) to dark gray (5Y 4/1). Trace foraminifers are present throughout. The bottom of this core contains iron- and manganese-rich nodules black (10YR 2/1) in color.

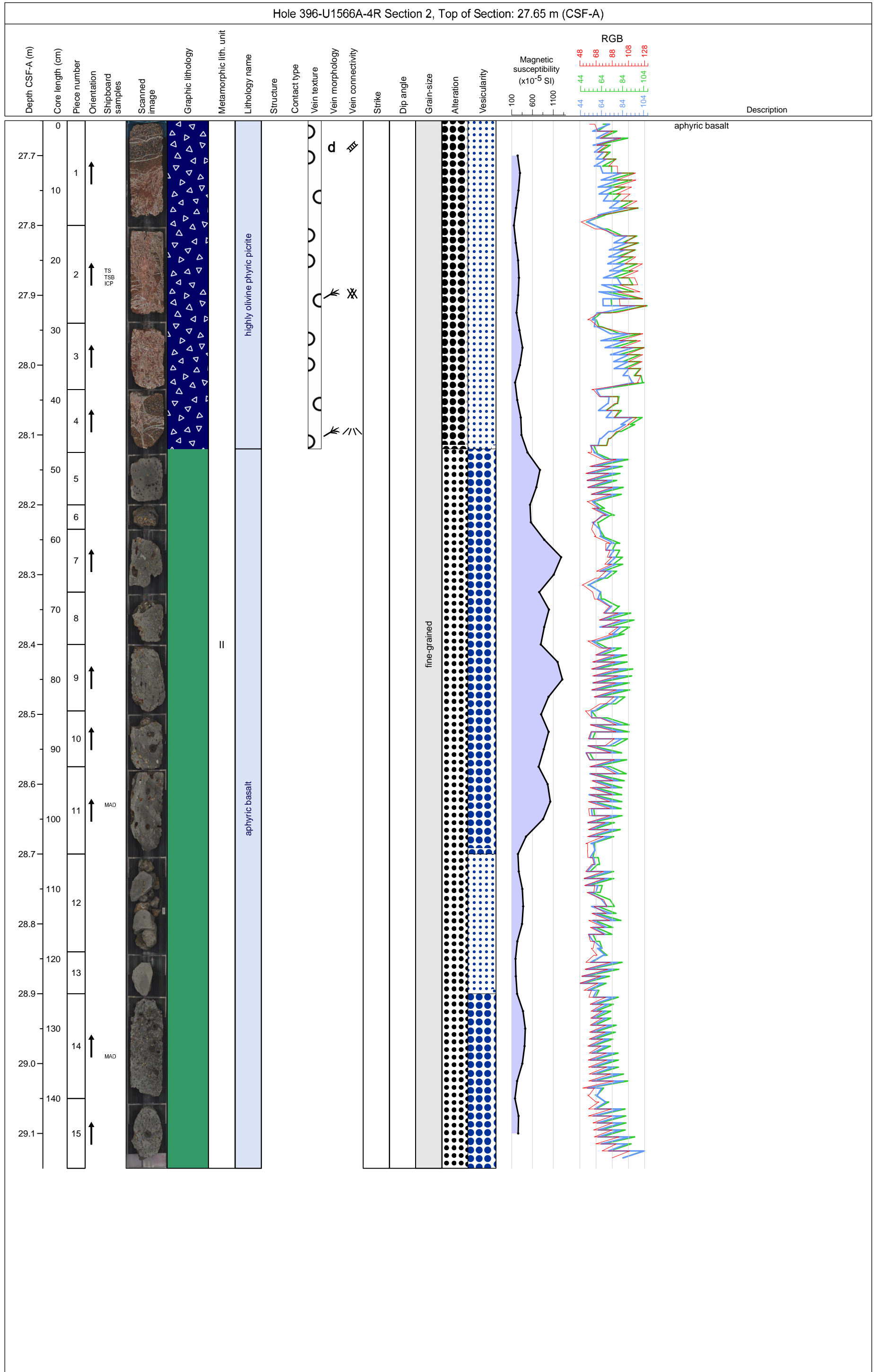




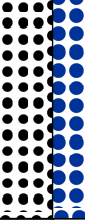

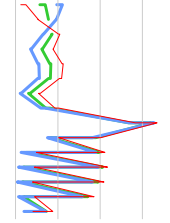
Hole 396-U1566A Core 3R, Interval 16.6-19.11 m (CSF-A)

Core section 1 consists of CLAY WITH SAND, sand rich clay with gravel, and sand rich clay. Foraminifers are common in this section. Section 2 consists of sand rich clay, clay with sand, clast rich clay with sand, and sand rich nodule with clay. In Section 2 trace amounts of foraminifers are present. The core color varies from light olive brown (2.5Y 5/4) to dark gray (5Y 4/1).



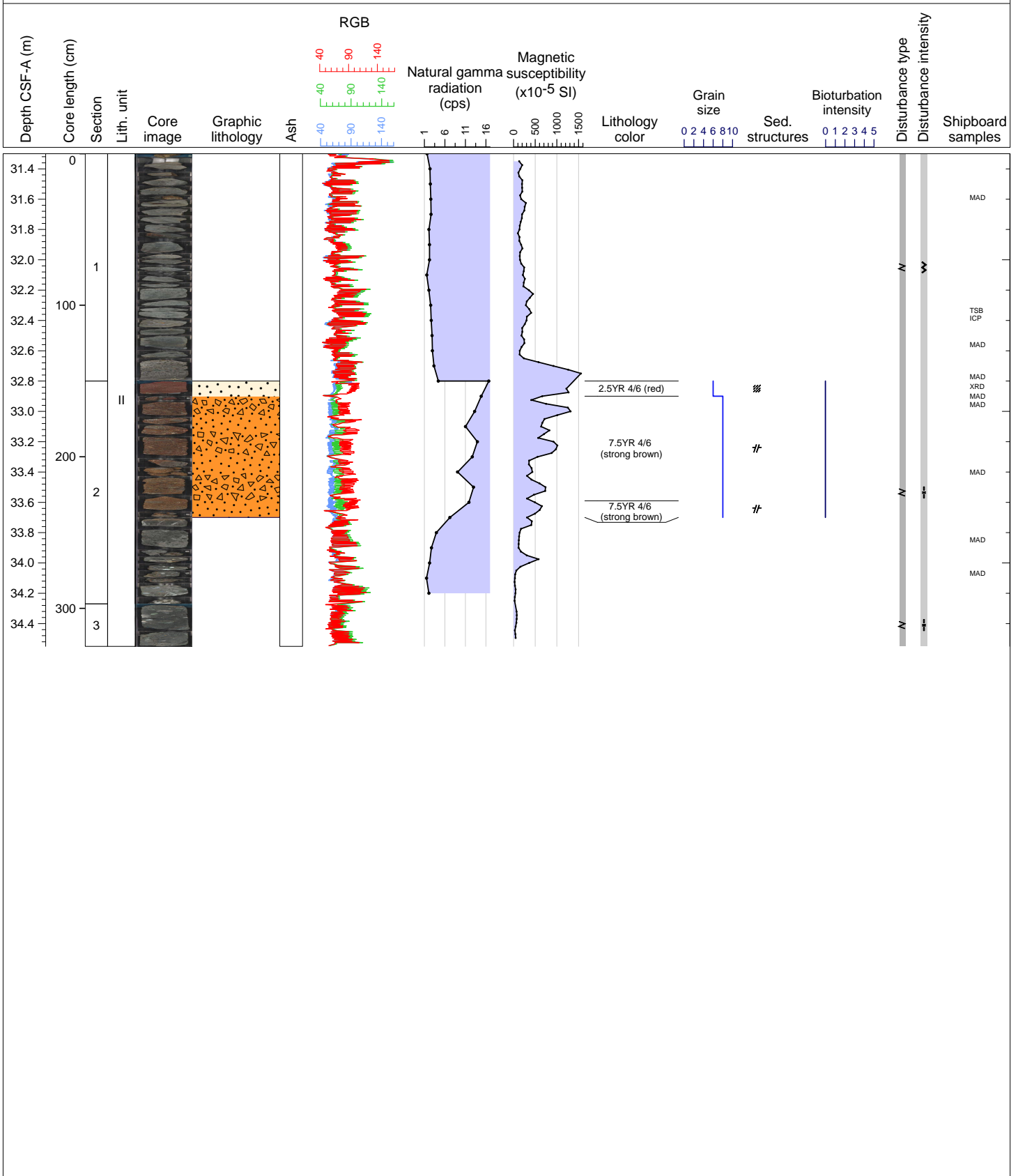


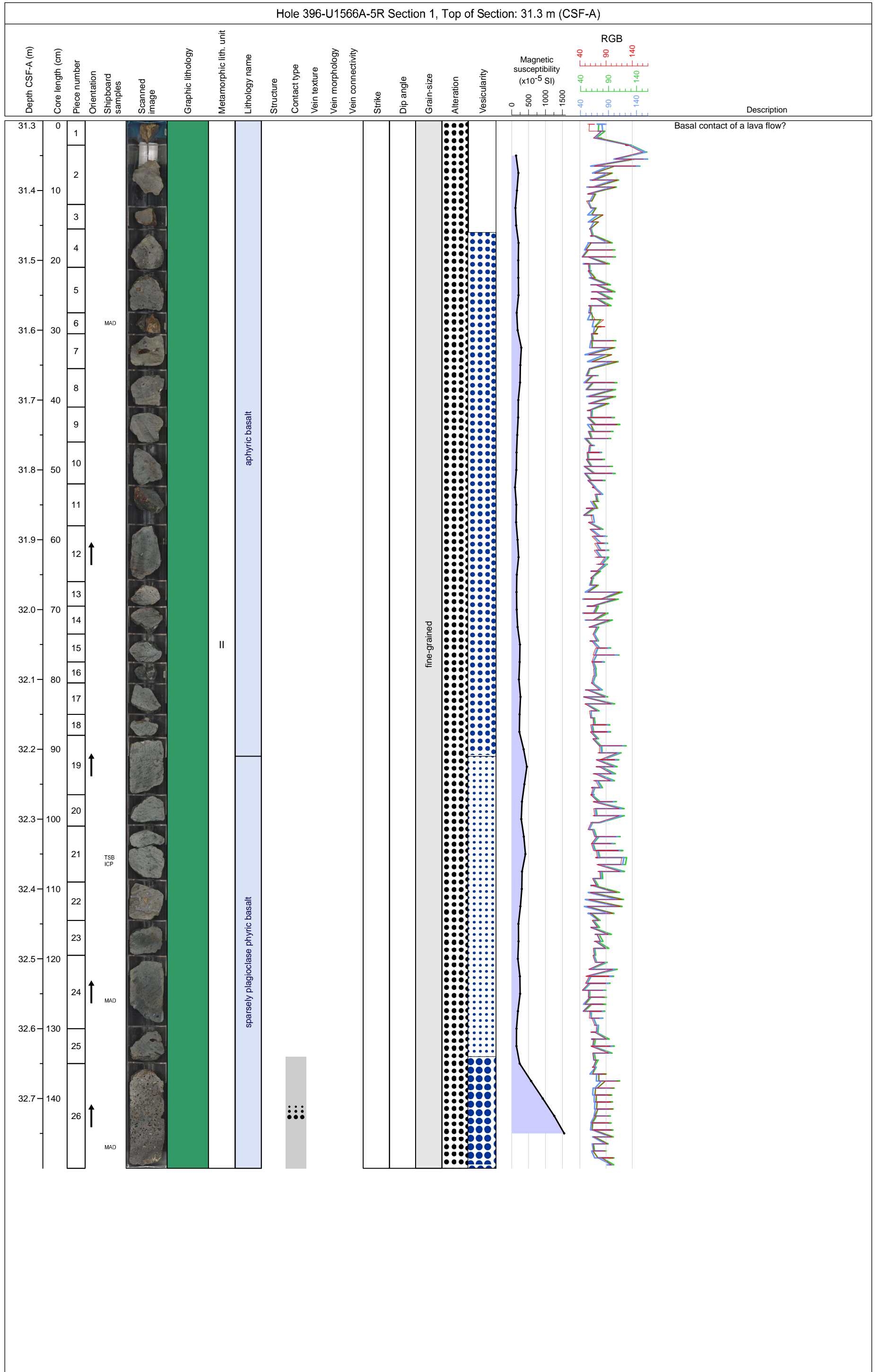


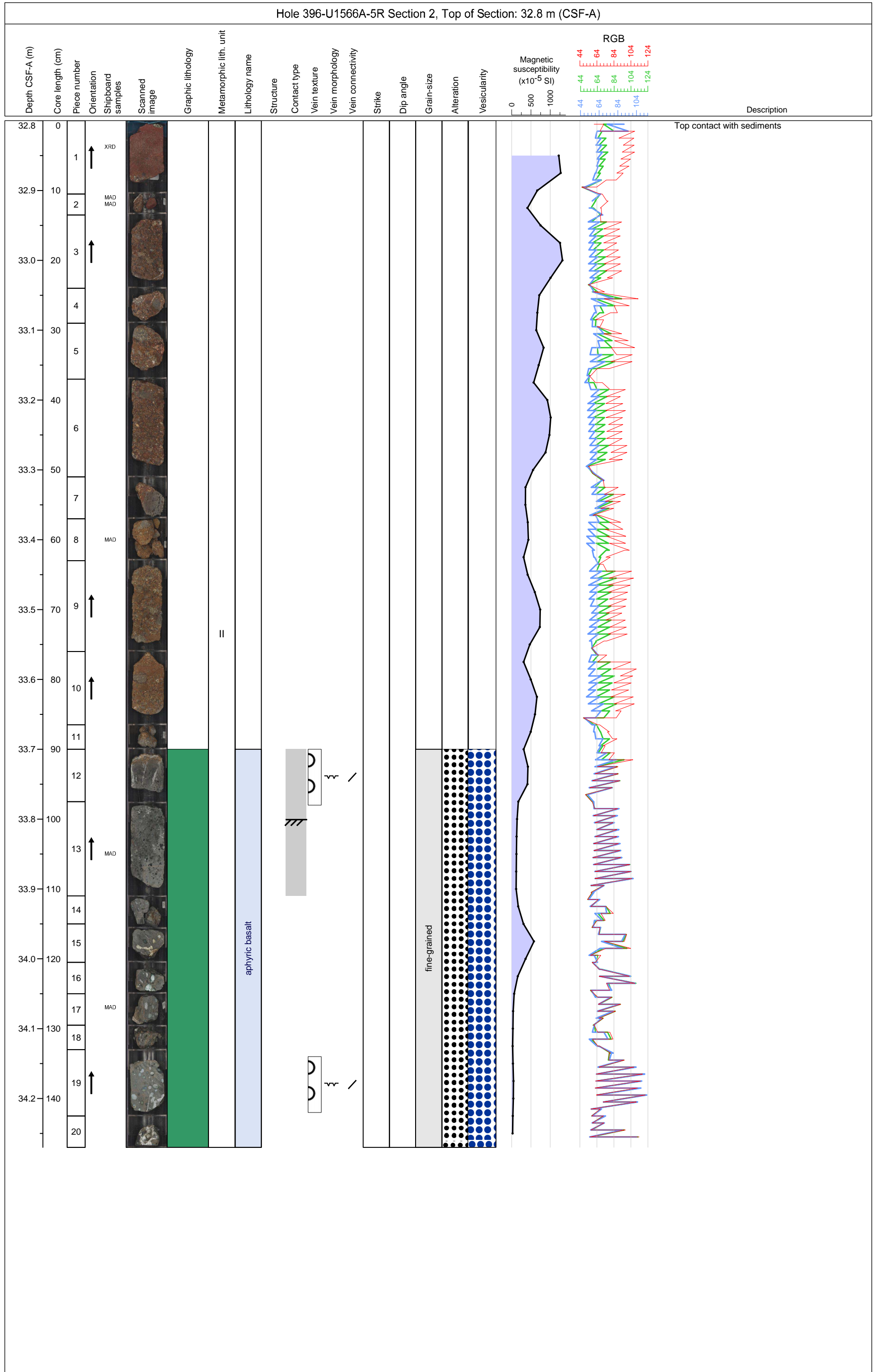
| Hole 396-U1566A-4R Section 3, Top of Section: 29.15 m (CSF-A) | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|--------------|-------------|-------------------|---------------|---|------------------------|----------------|-----------|--------------|--------------|-----------------|-------------------|--------|-----------|--------------|---|---|---|-----|----------------|
| Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Metamorphic lith. unit | Lithology name | Structure | Contact type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Grain-size | Alteration | Vesicularity | Magnetic susceptibility (x10 ⁻⁵ SI) | RGB | Description |
| 0 | | 1 | | | MAD |  | | | | | | | | | | | | | | | |
| 29.2 | 10 | 2 | | | |  | II | aphyric basalt | | | | | | | | fine-grained |  |  |  | | aphyric basalt |

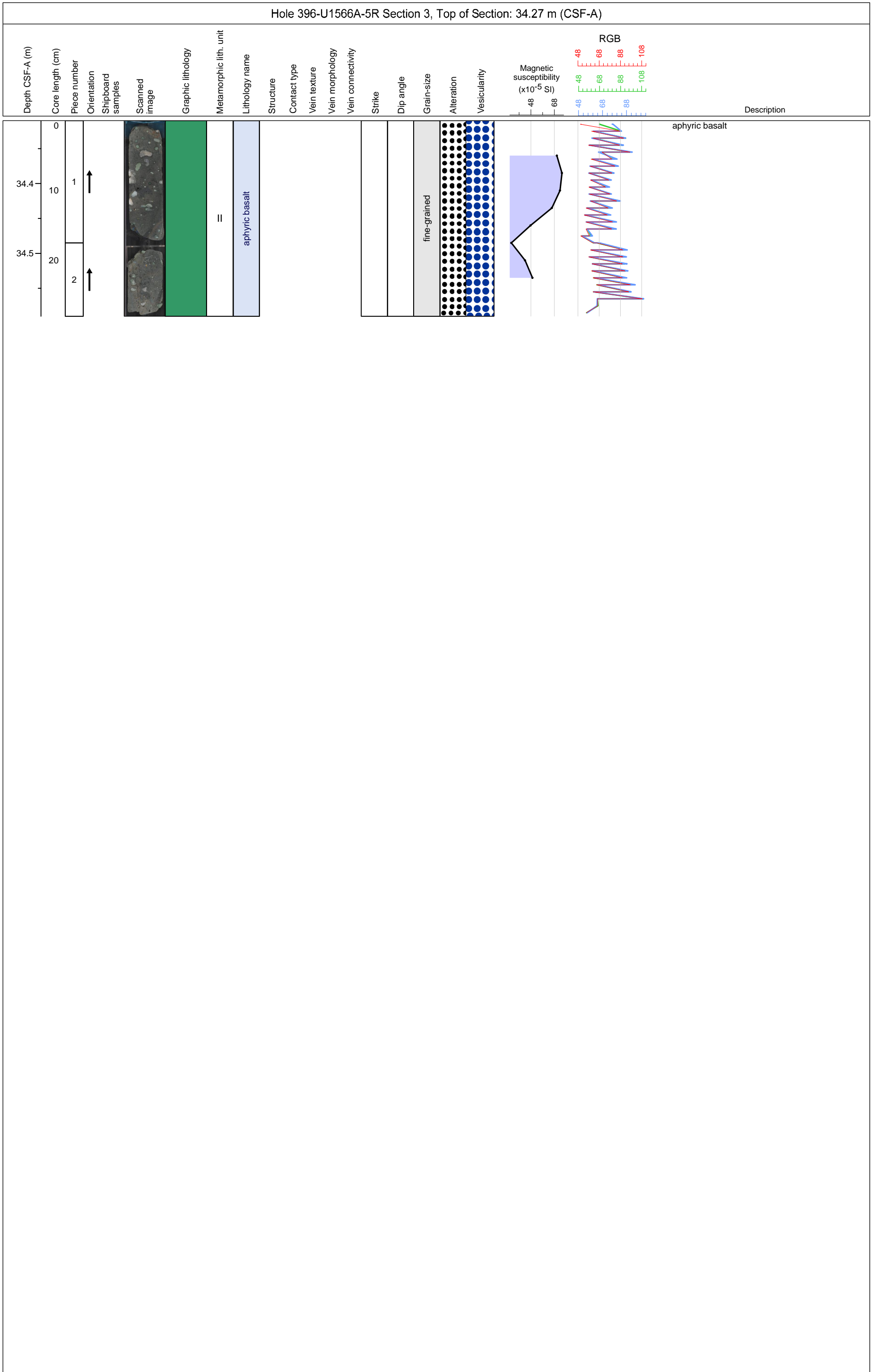
Hole 396-U1566A Core 5R, Interval 31.3-34.55 m (CSF-A)

Amygdaloidal, mostly aphyric, BASALT flow largely dark gray in color (e.g., GLEY 1 4/N) with middle interval of SANDSTONE and matrix-supported largely monomictic CONGLOMERATE (highly oxidized) rich in basaltic clasts and strong brown in color (7.5YR 4/6). Chilled contacts are present in basalt flows.



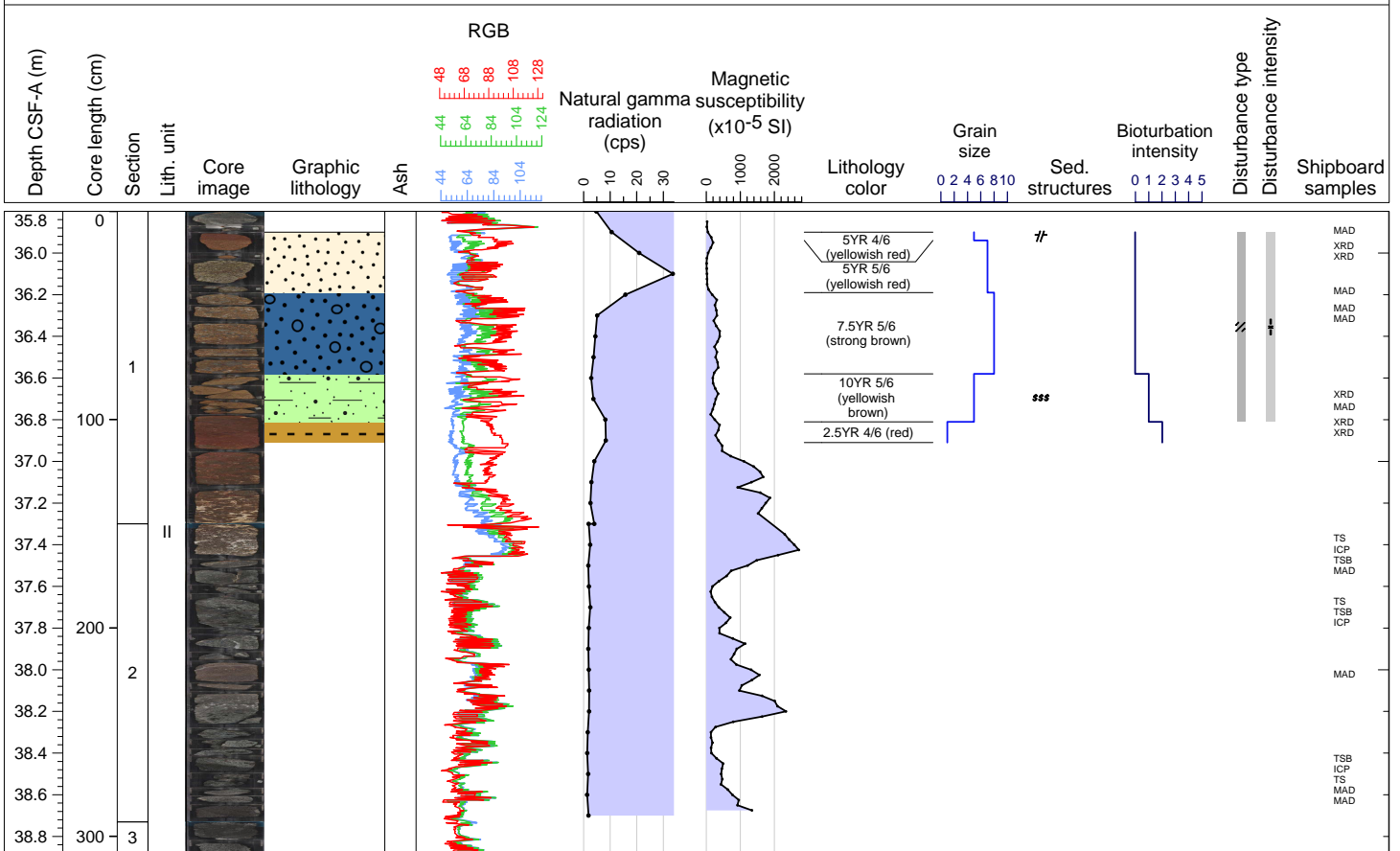


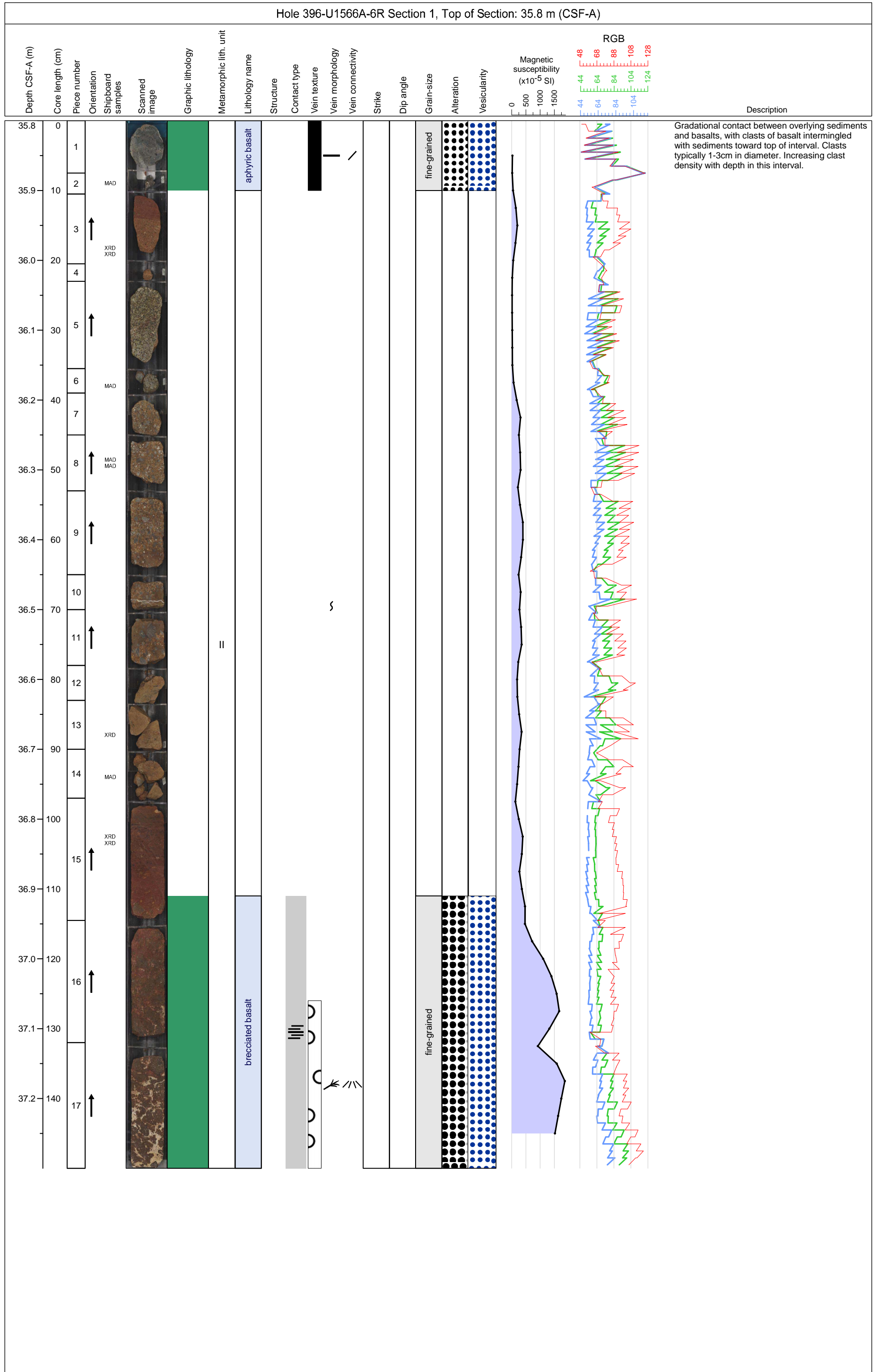


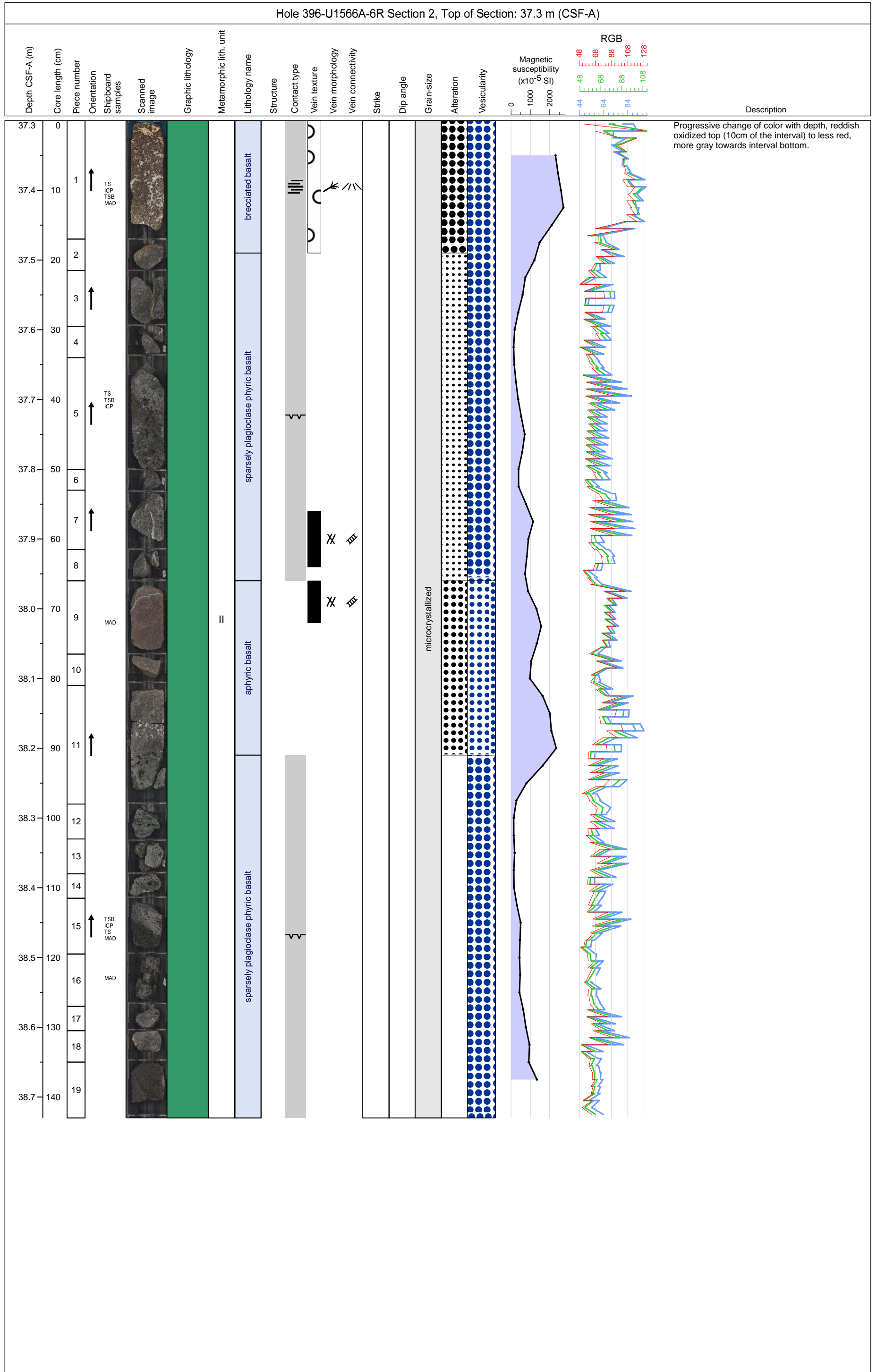


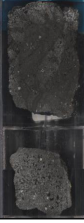





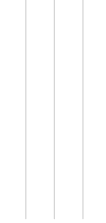
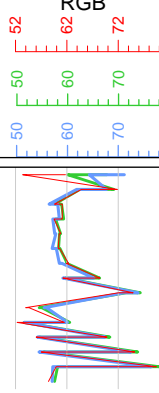

Hole 396-U1566A Core 6R, Interval 35.8-38.88 m (CSF-A)

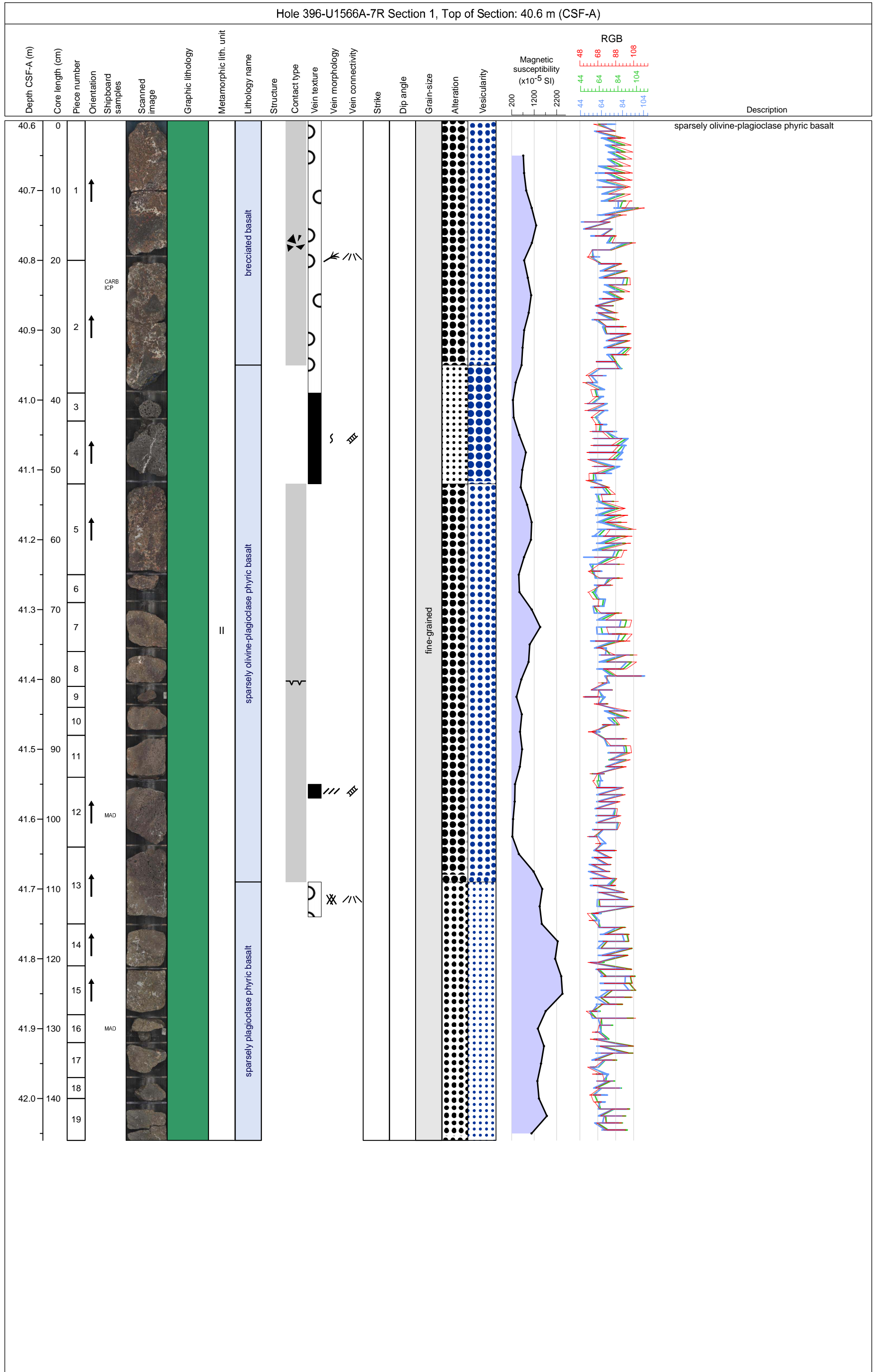
The top of the core (section 1) is comprised of yellowish red (5YR 4/6 and 5/6) SANDSTONE and CONGLOMERATE (basaltic clasts, granite cobbles, matrix-supported), overlain by a short interval (0-10 cm) of highly vesicular APHYRIC BASALT. The contact between the sediment (basal) and lava flow is highly brecciated and overlies two distinct highly vesicular, dark gray (GLEY 1 4/N) SPARSELY PHYRIC BASALT lava flows separated by a chilled margin.

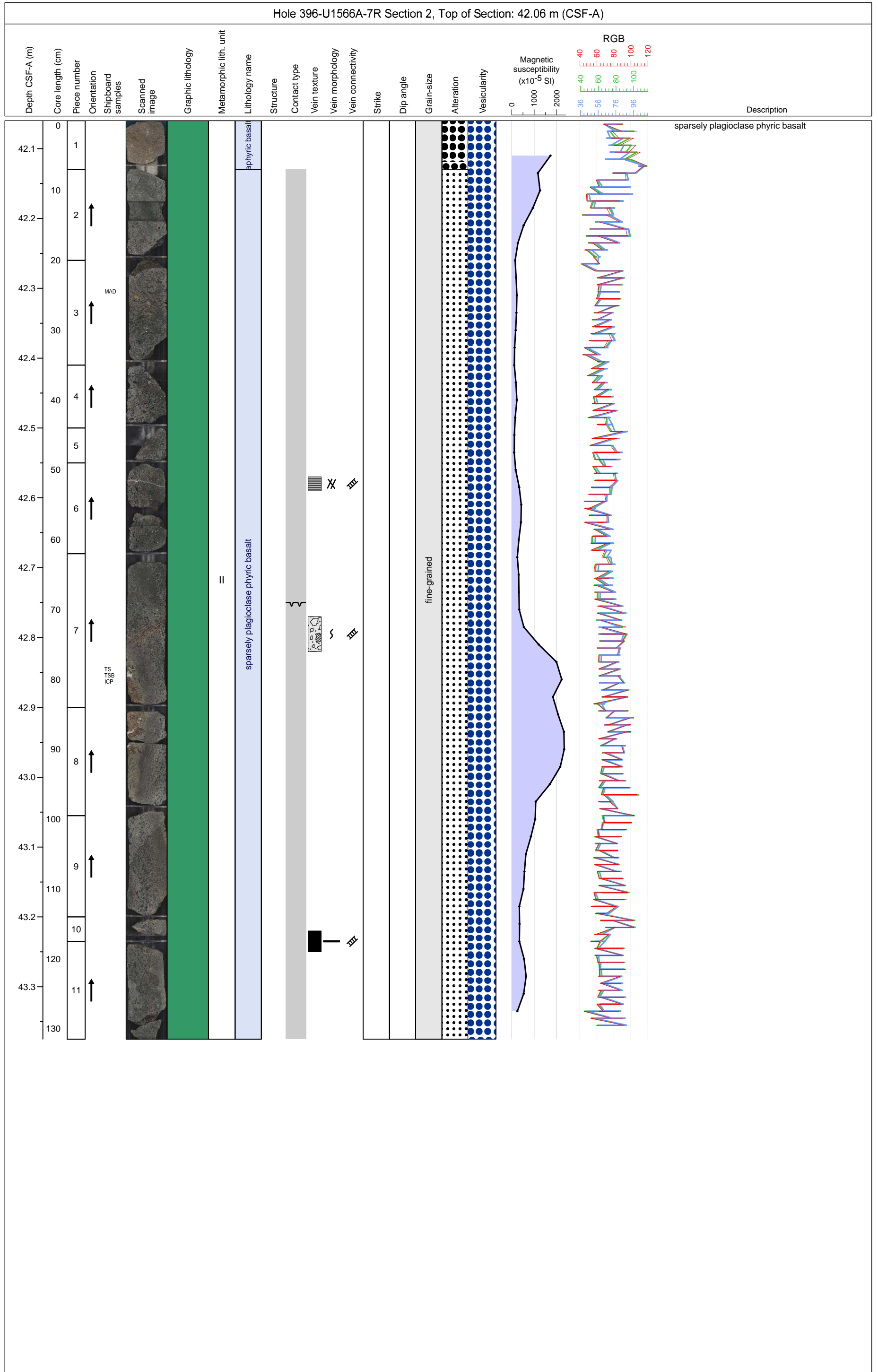


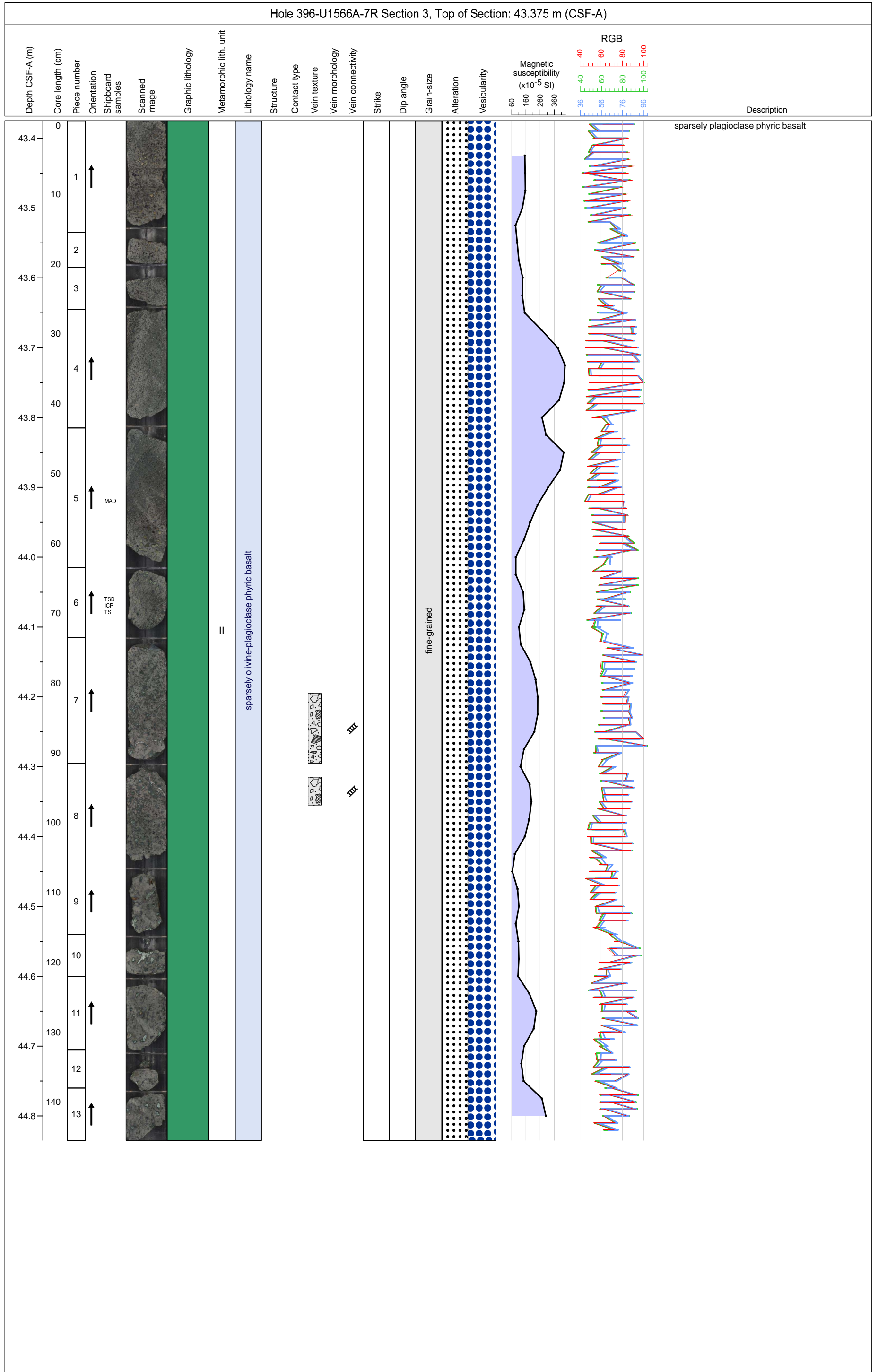


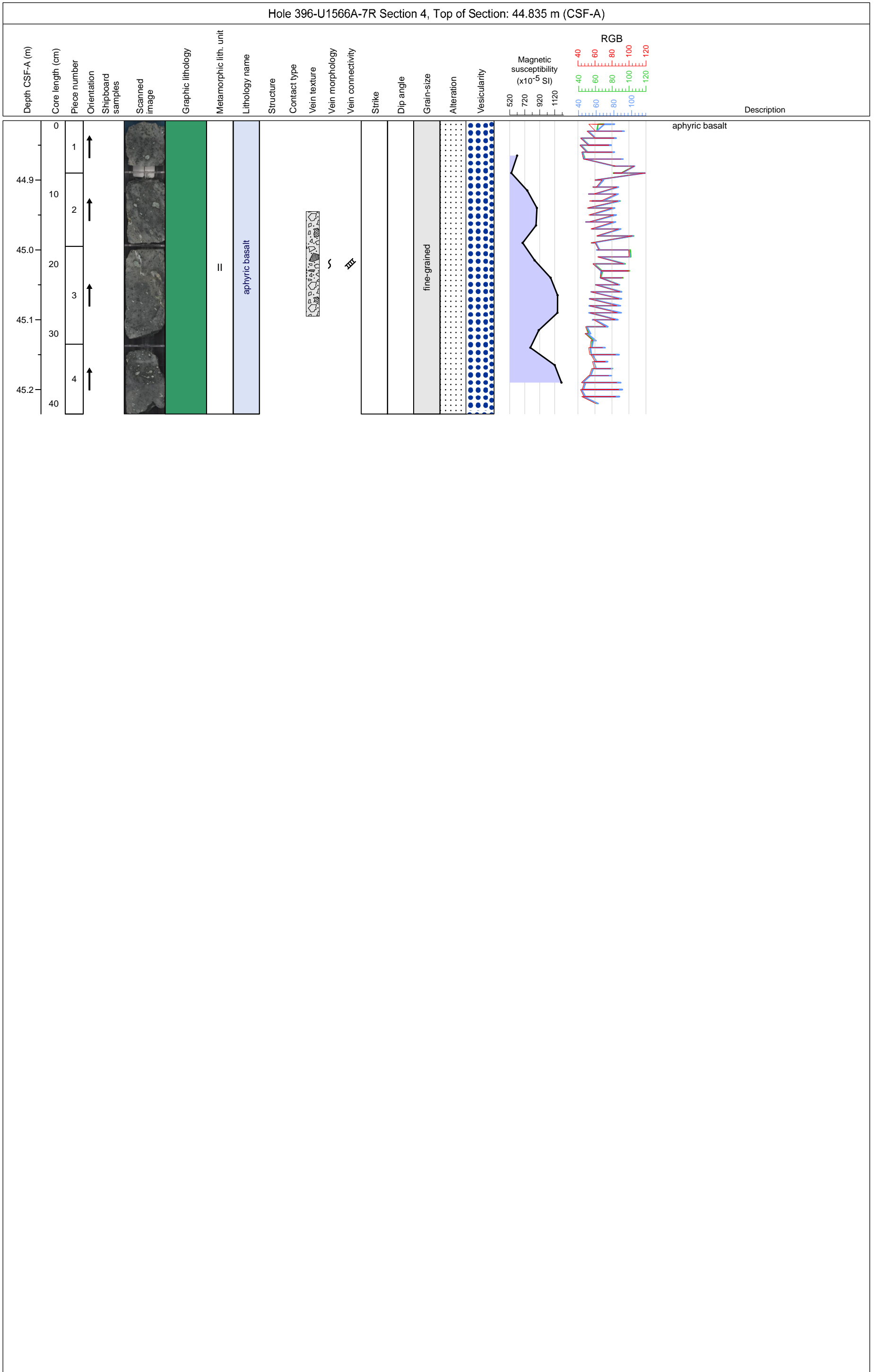


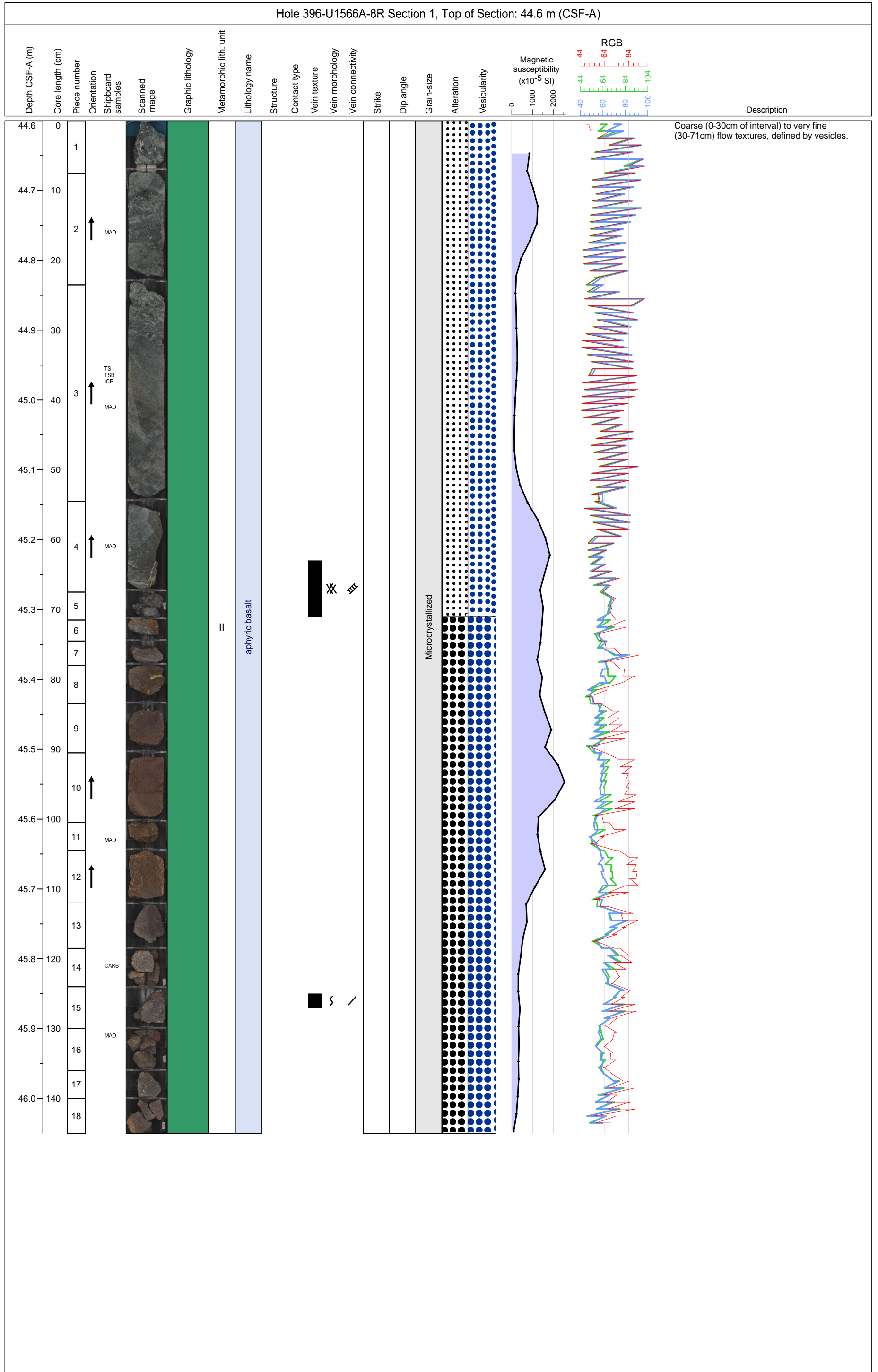
| Hole 396-U1566A-6R Section 3, Top of Section: 38.73 m (CSF-A) | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|--------------|-------------|-------------------|---|---|------------------------|------------------------------------|---|--------------|--------------|-----------------|-------------------|--------|-----------|--|---|---|---|---|------------------------------------|
| Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Metamorphic lith. unit | Lithology name | Structure | Contact type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Grain-size | Alteration | Vesicularity | Magnetic susceptibility (x10 ⁻⁵ SI) | RGB | Description |
| 0 | | 1 | ↑ | |  |  | II | sparsely plagioclase phyric basalt |  | | | | | | |  |  |  |  |  | sparsely plagioclase phyric basalt |
| 38.8 | 10 | 2 | | |  | | | | | | | | | | | | | | | | |

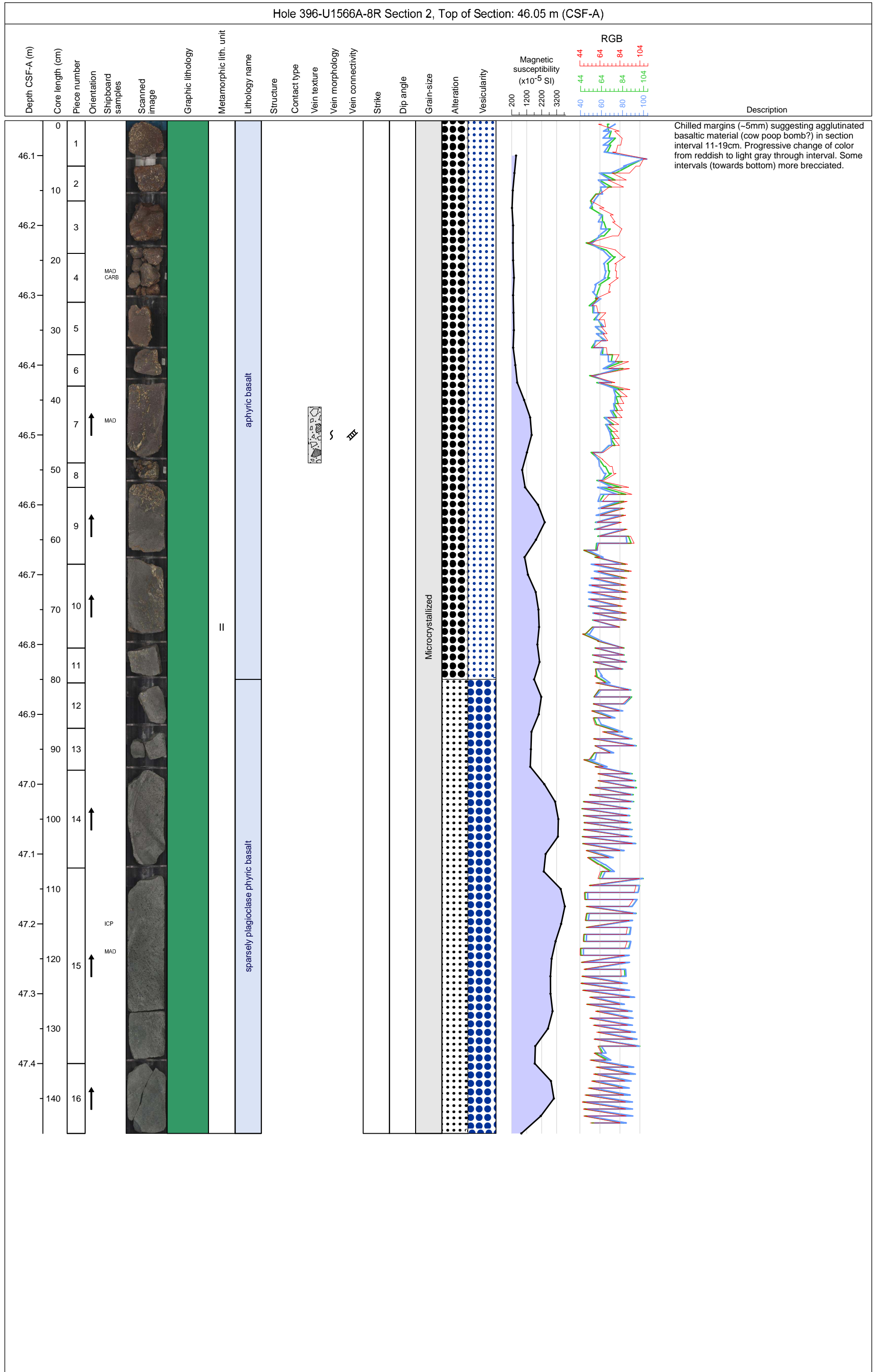


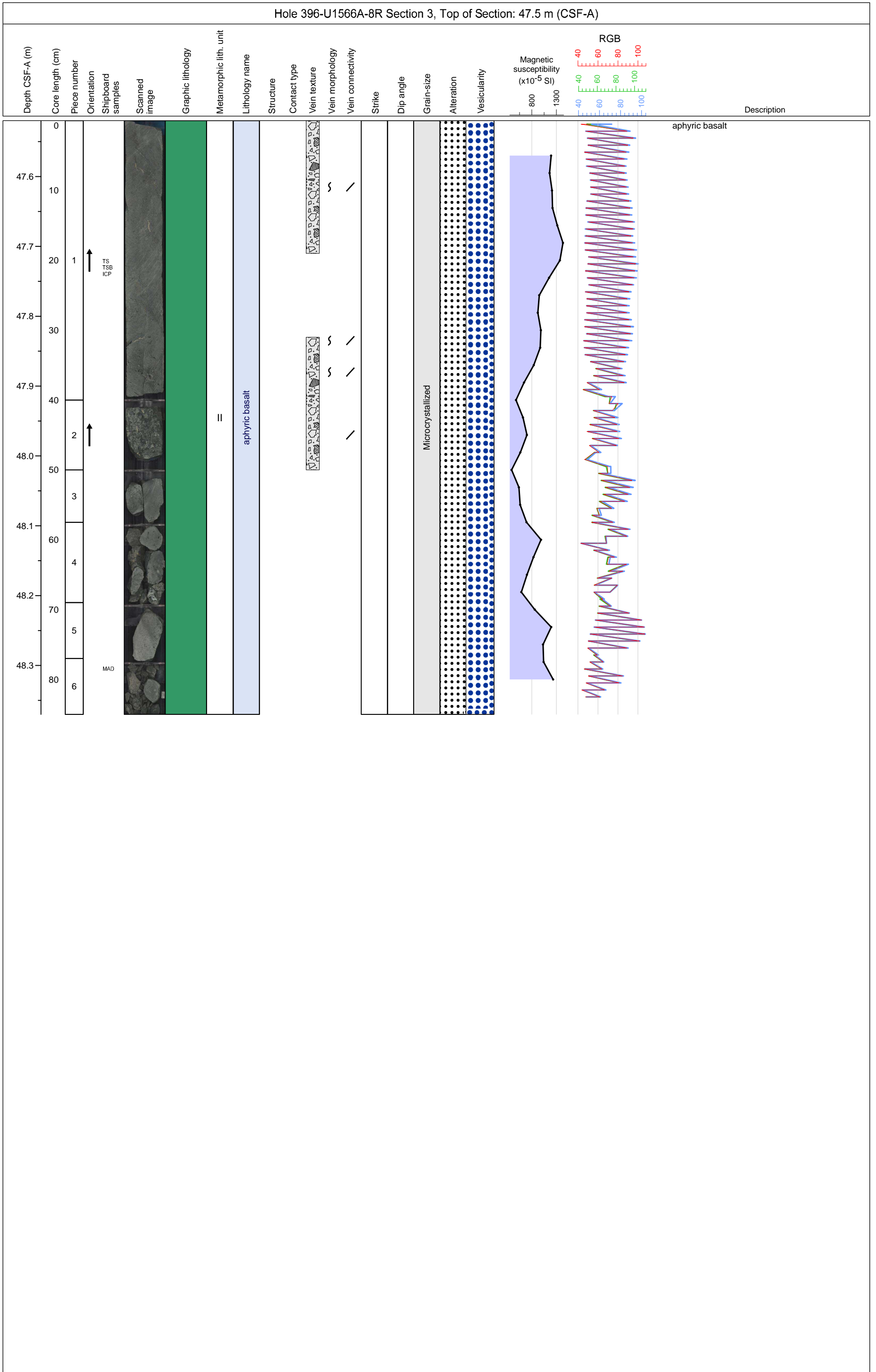


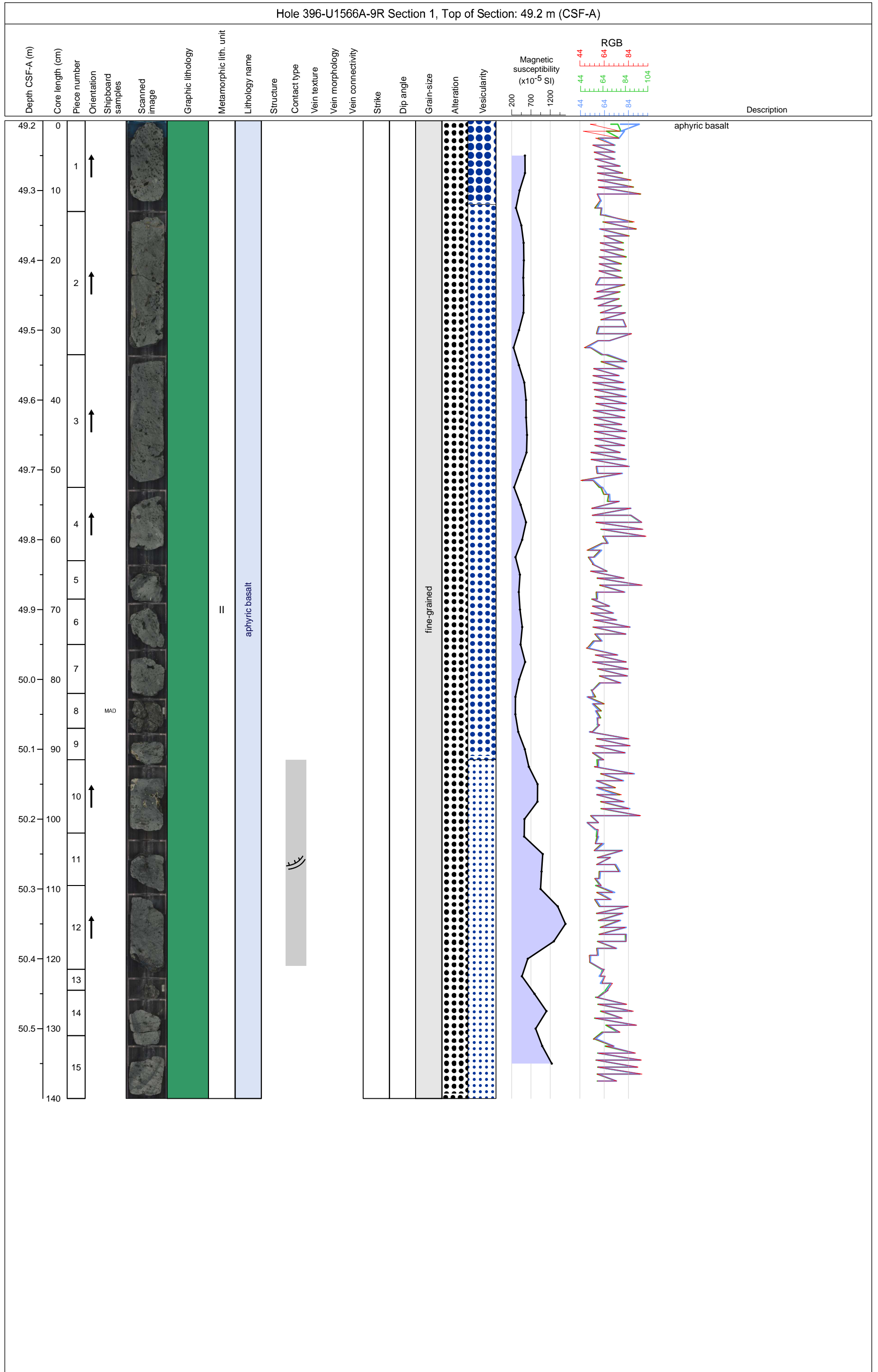


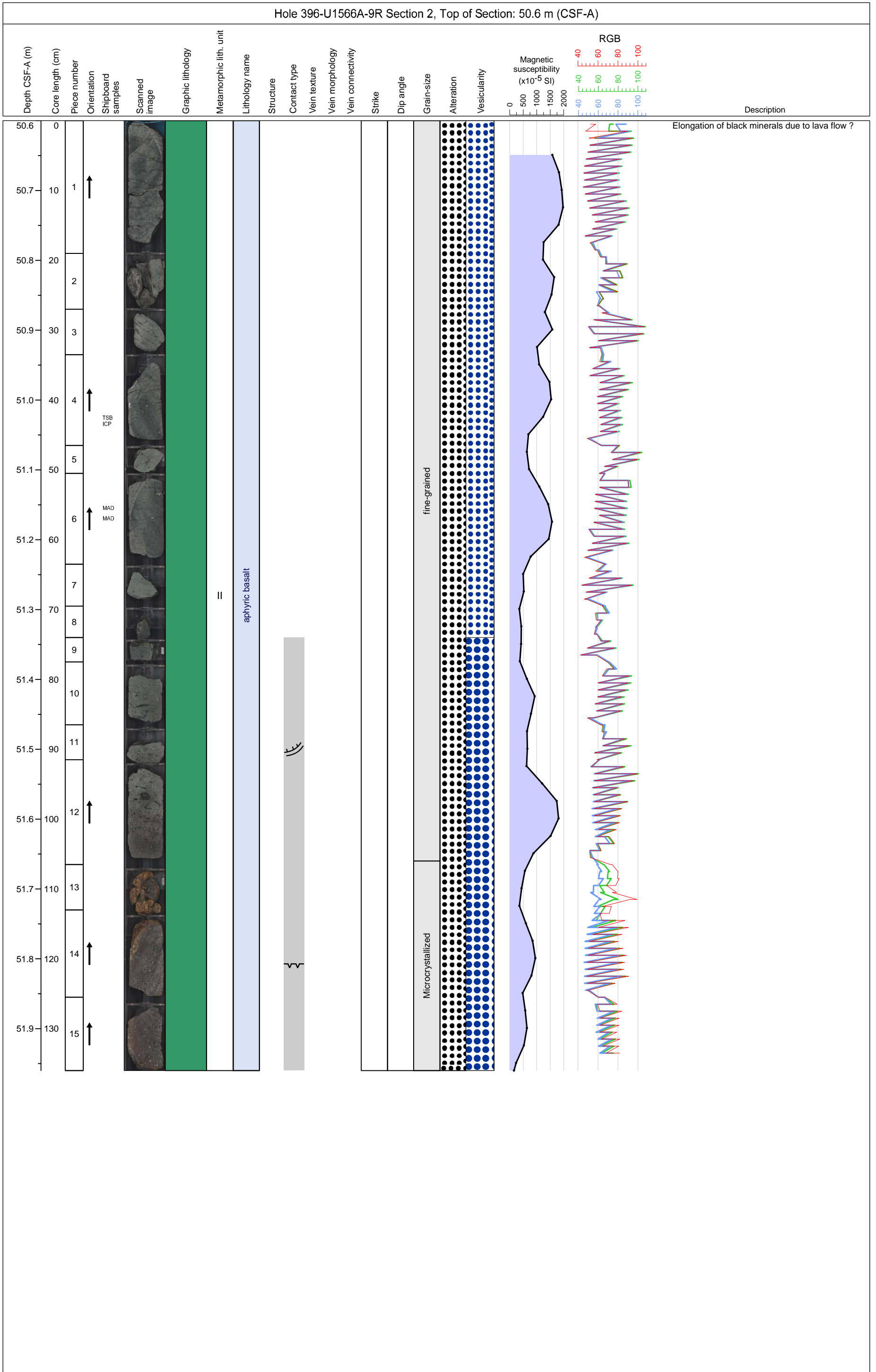


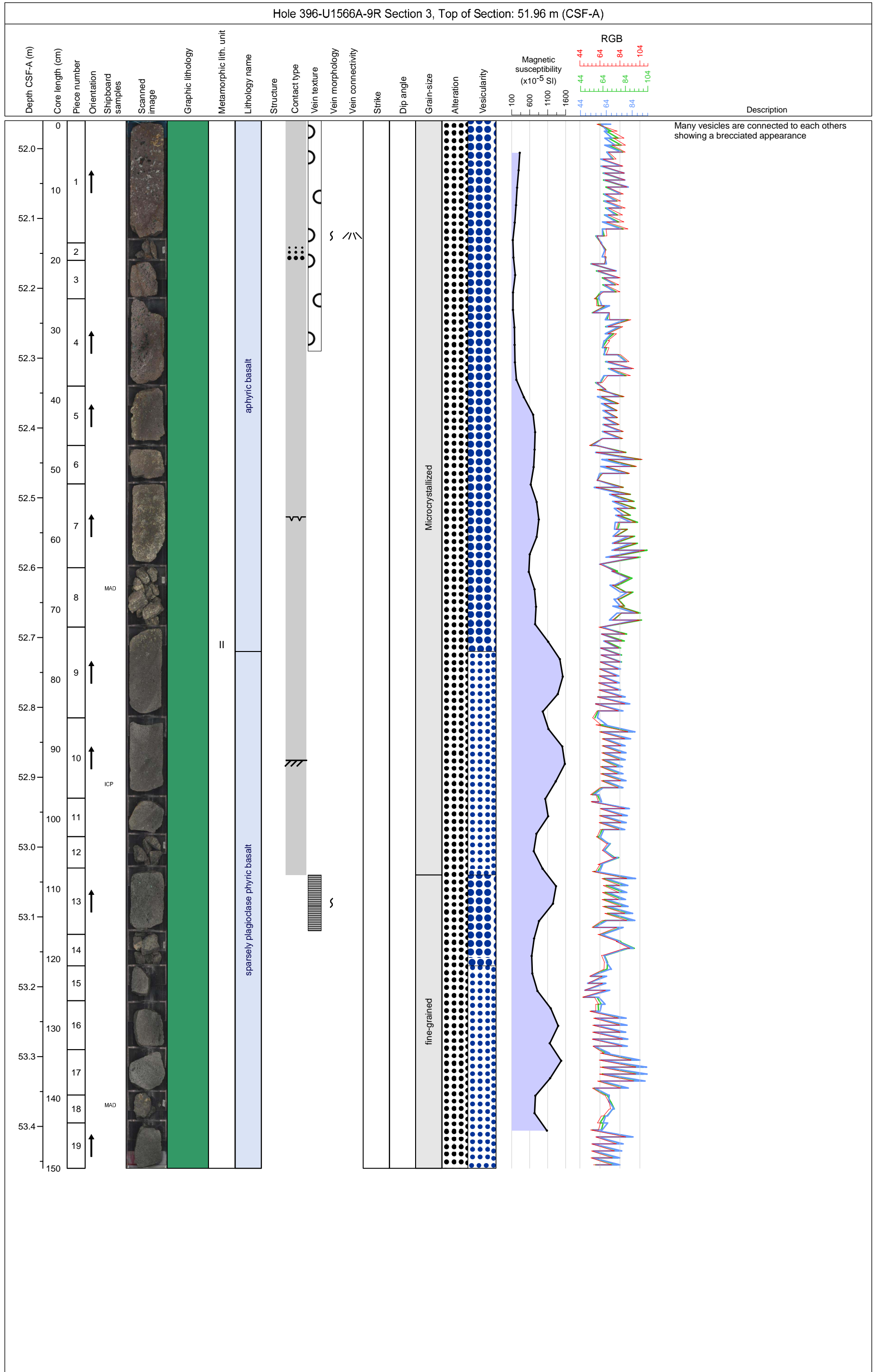


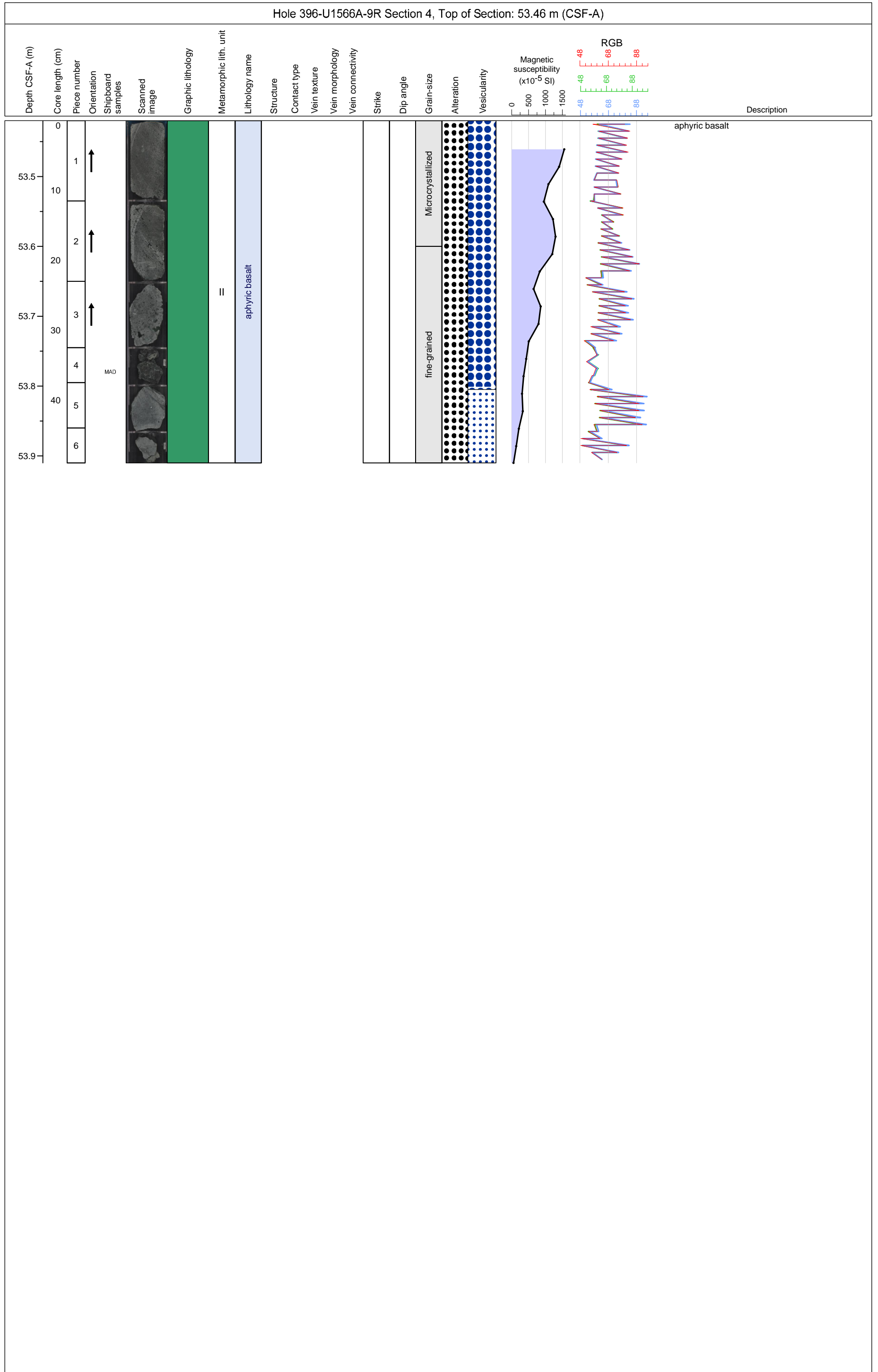


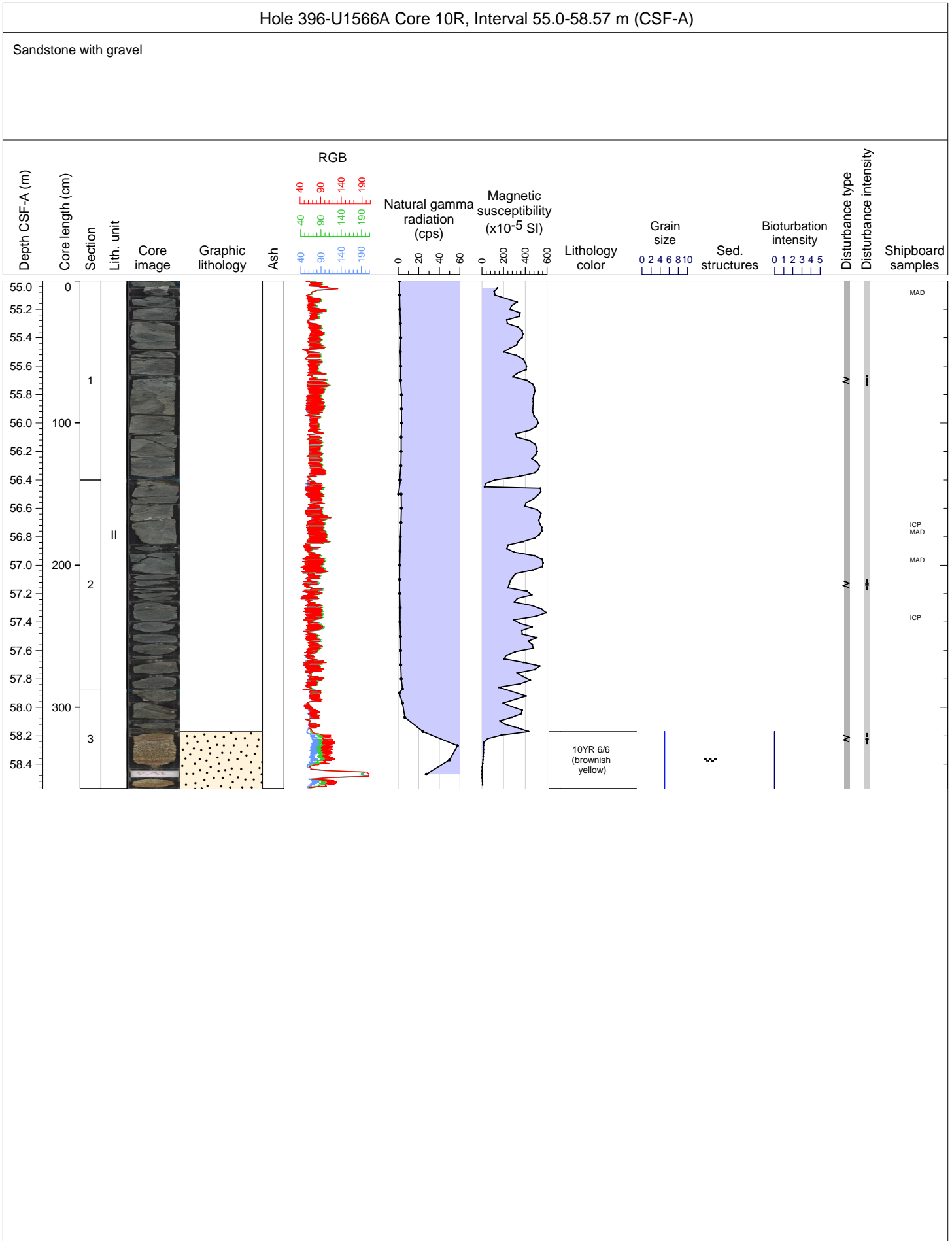


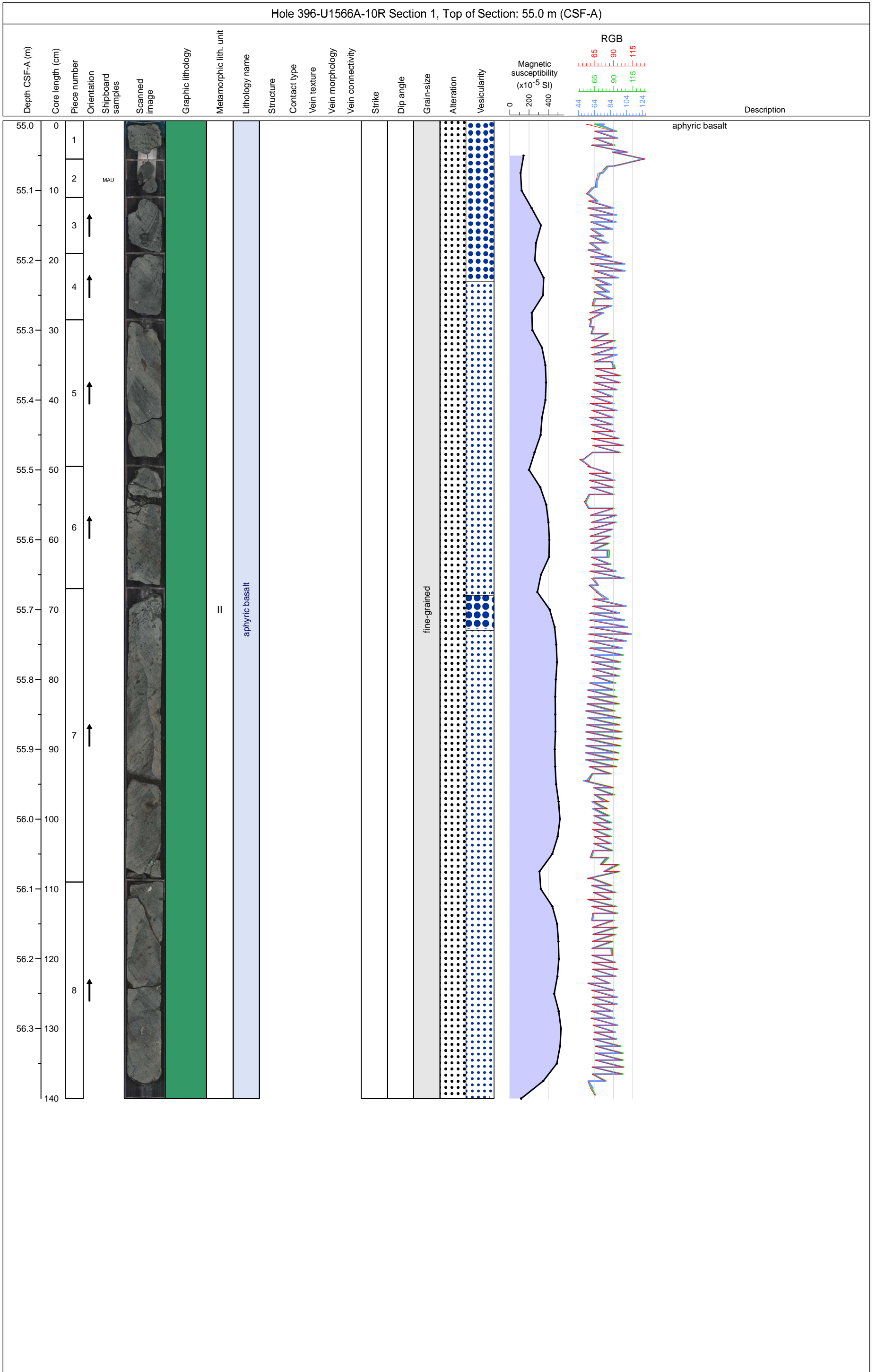


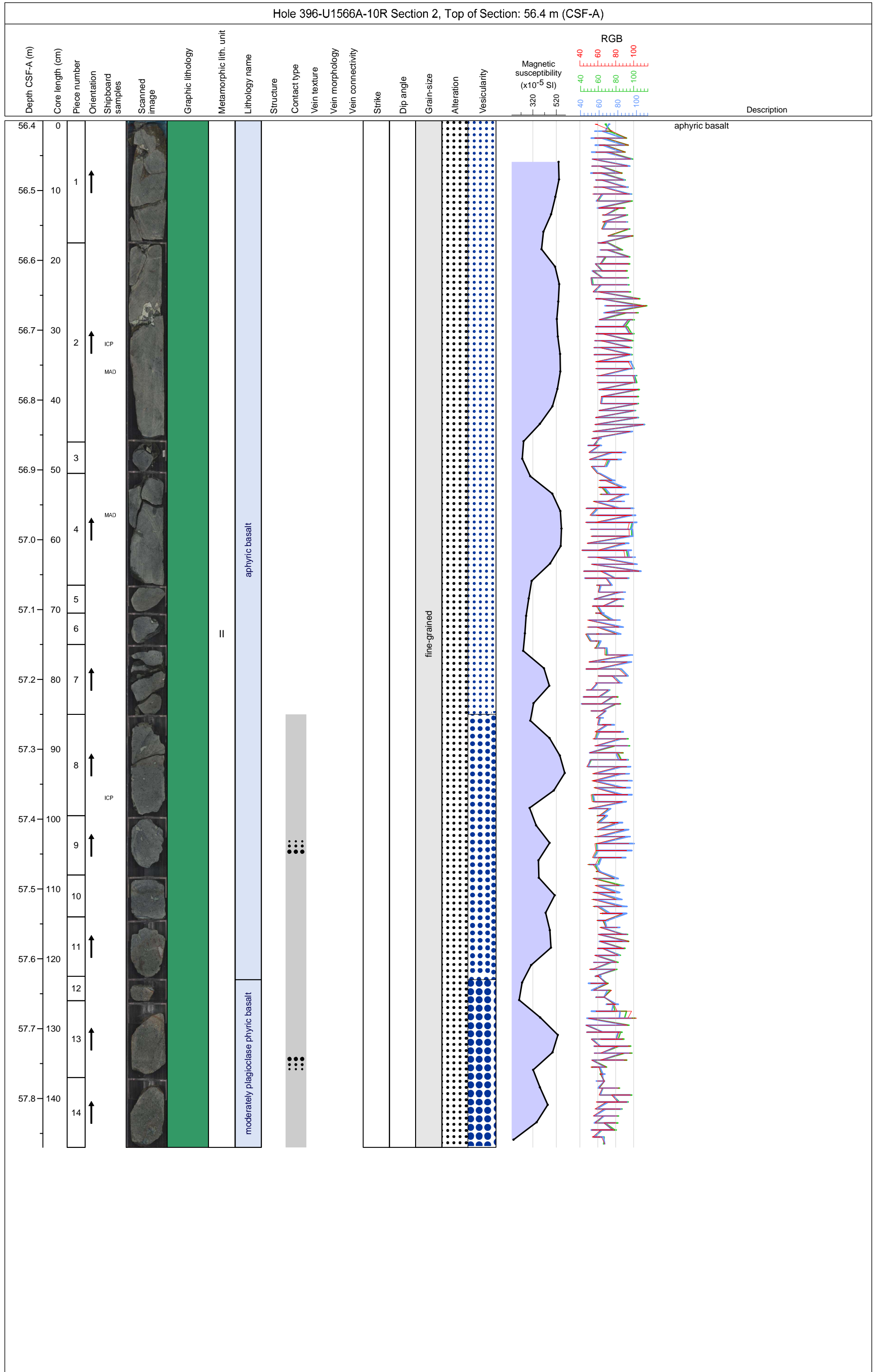


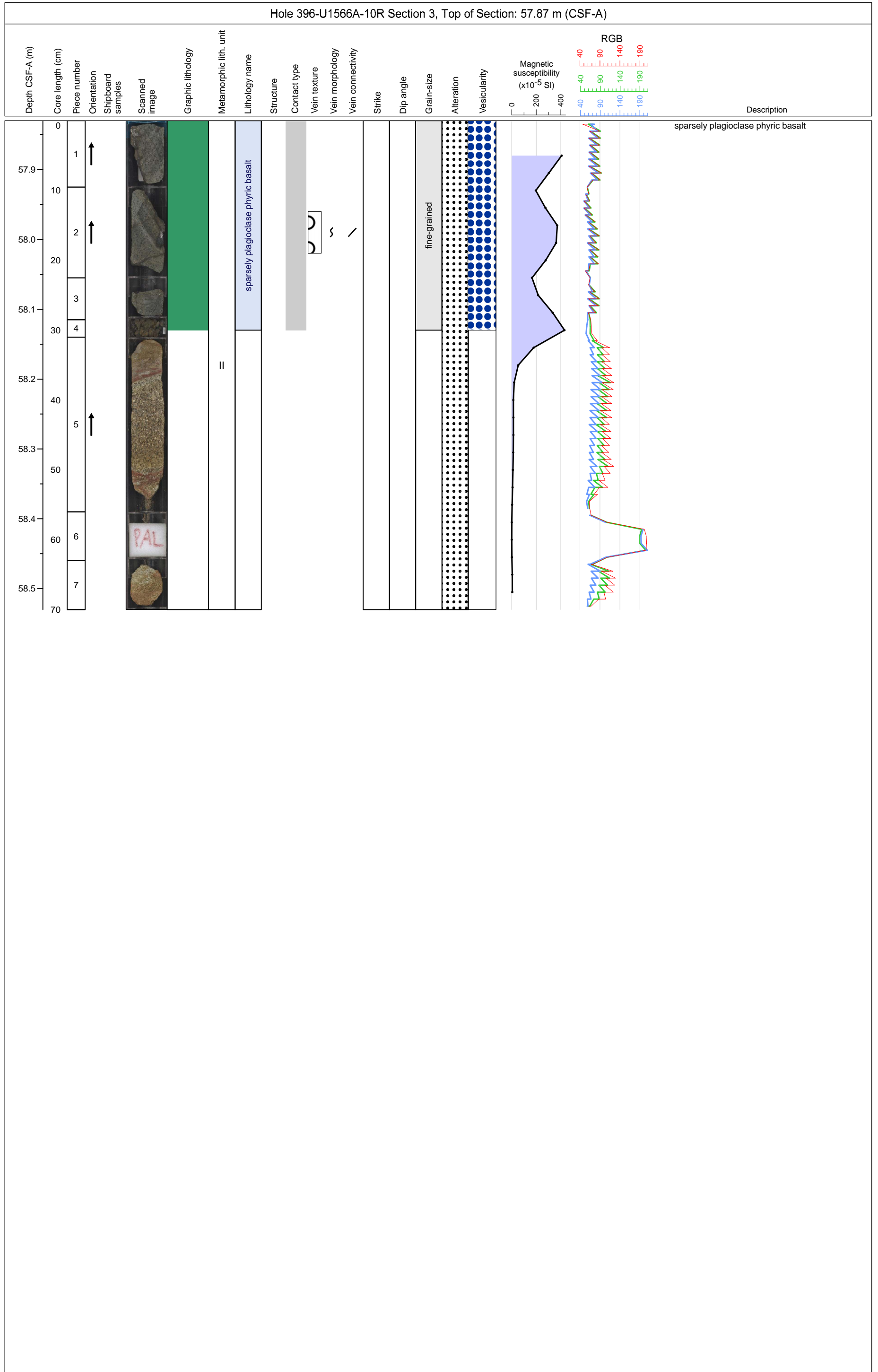






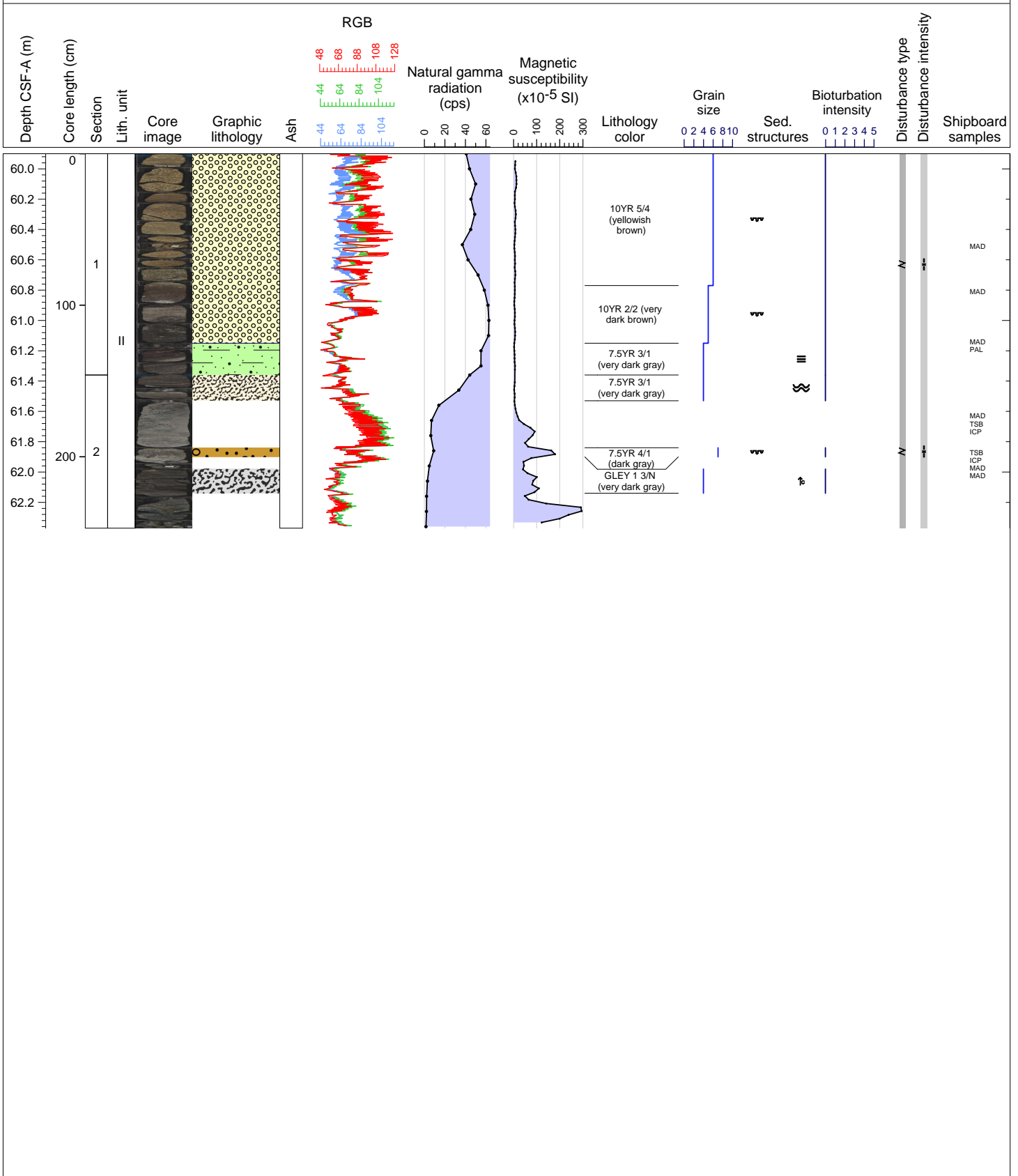


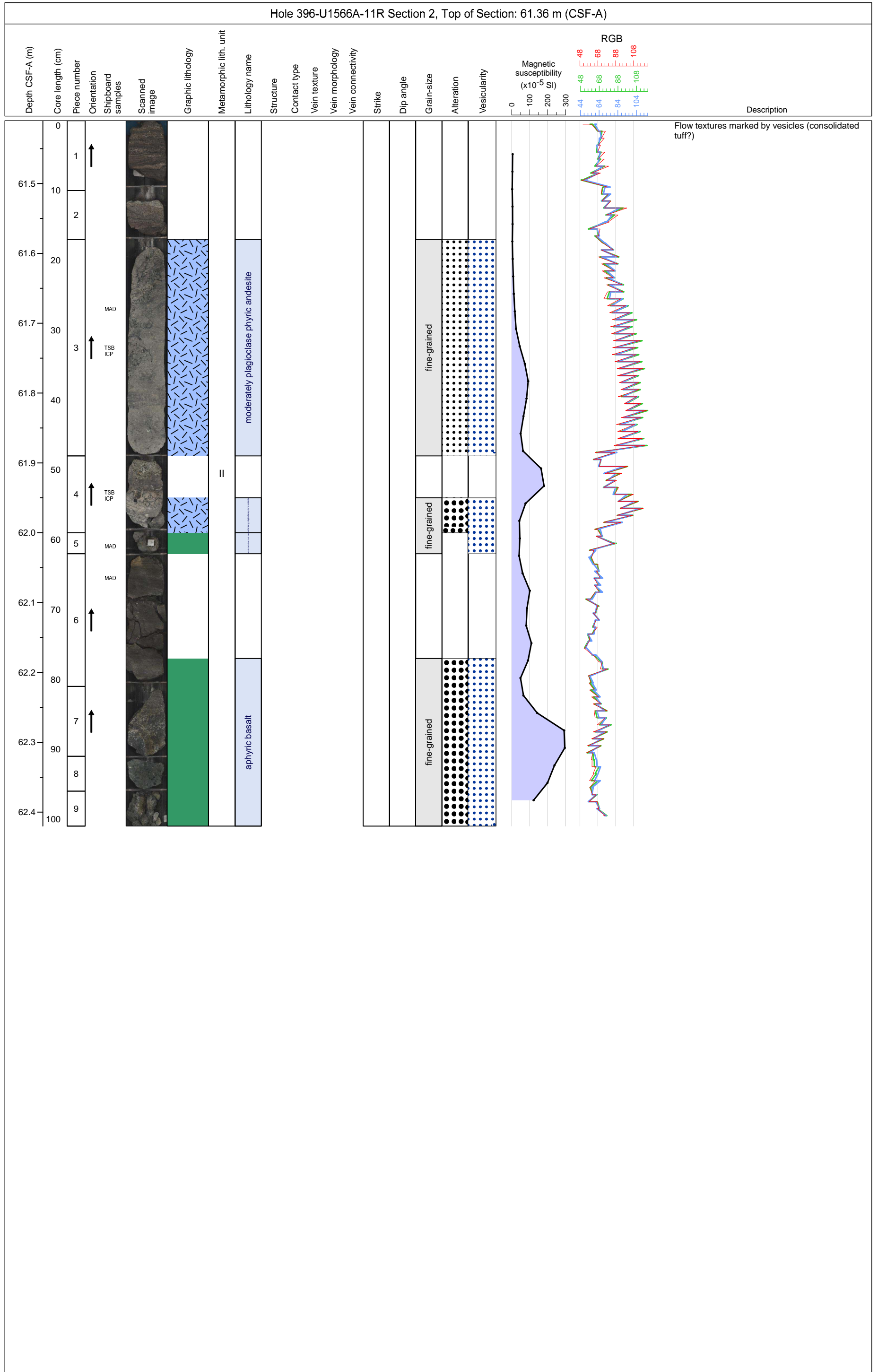




Hole 396-U1566A Core 11R, Interval 59.9-62.37 m (CSF-A)

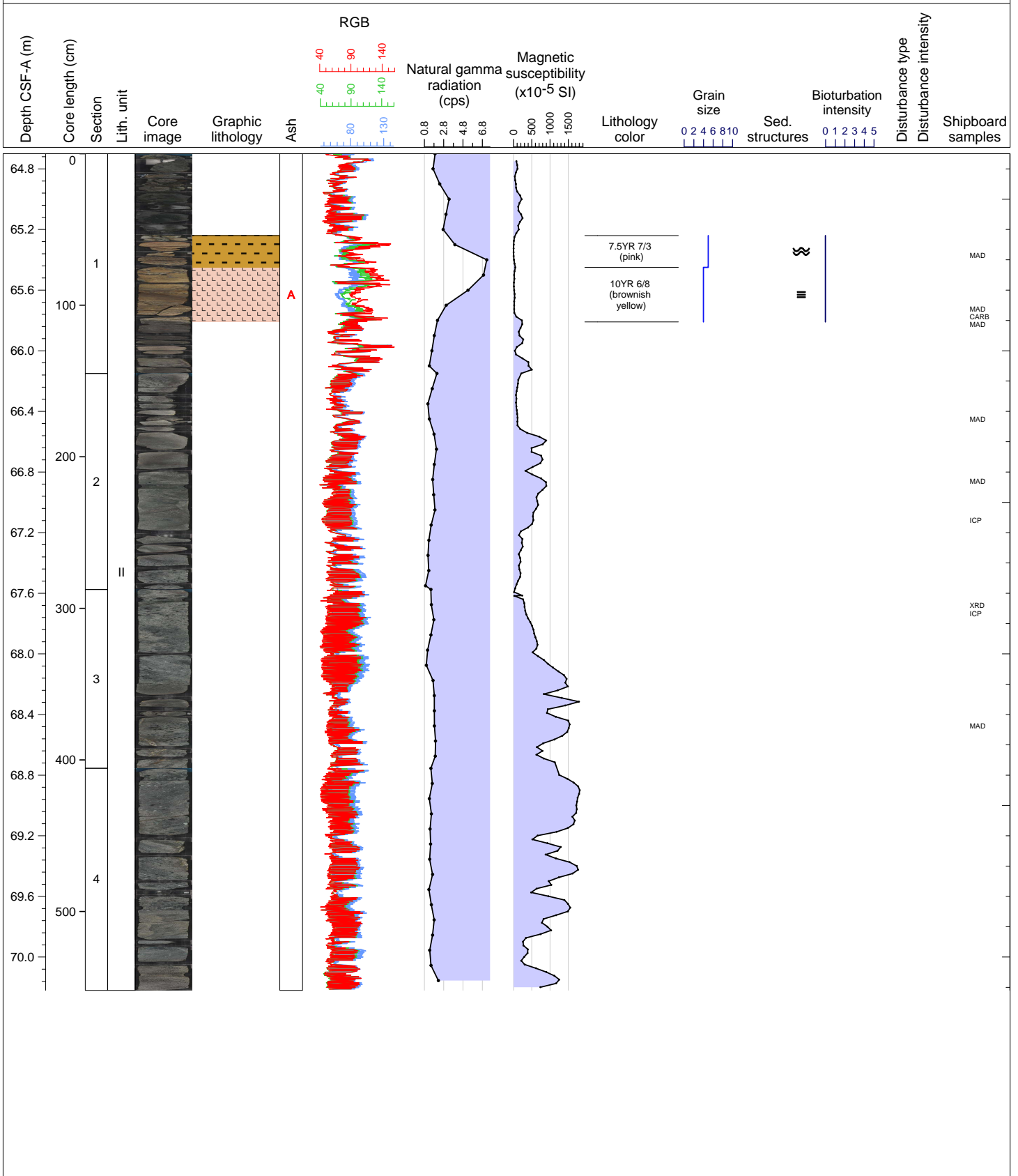
This core consists a fist section of very dark gray (7.5R 3/1) clay-rich SANDSTONE with organic matter, overlying a aphyric sparsely vesicular gray (GLEY1 5/N) BASALT highly altered to clay minerals. The top of the section 2 consists of dark gray (7.5YR 5/1) sand-rich CONGLOMERATE, including a level of moderately plagioclase phyric ANDESITE (volcanoclastics), passing downhole another lava flow. A minimum of one lava flow is identified.

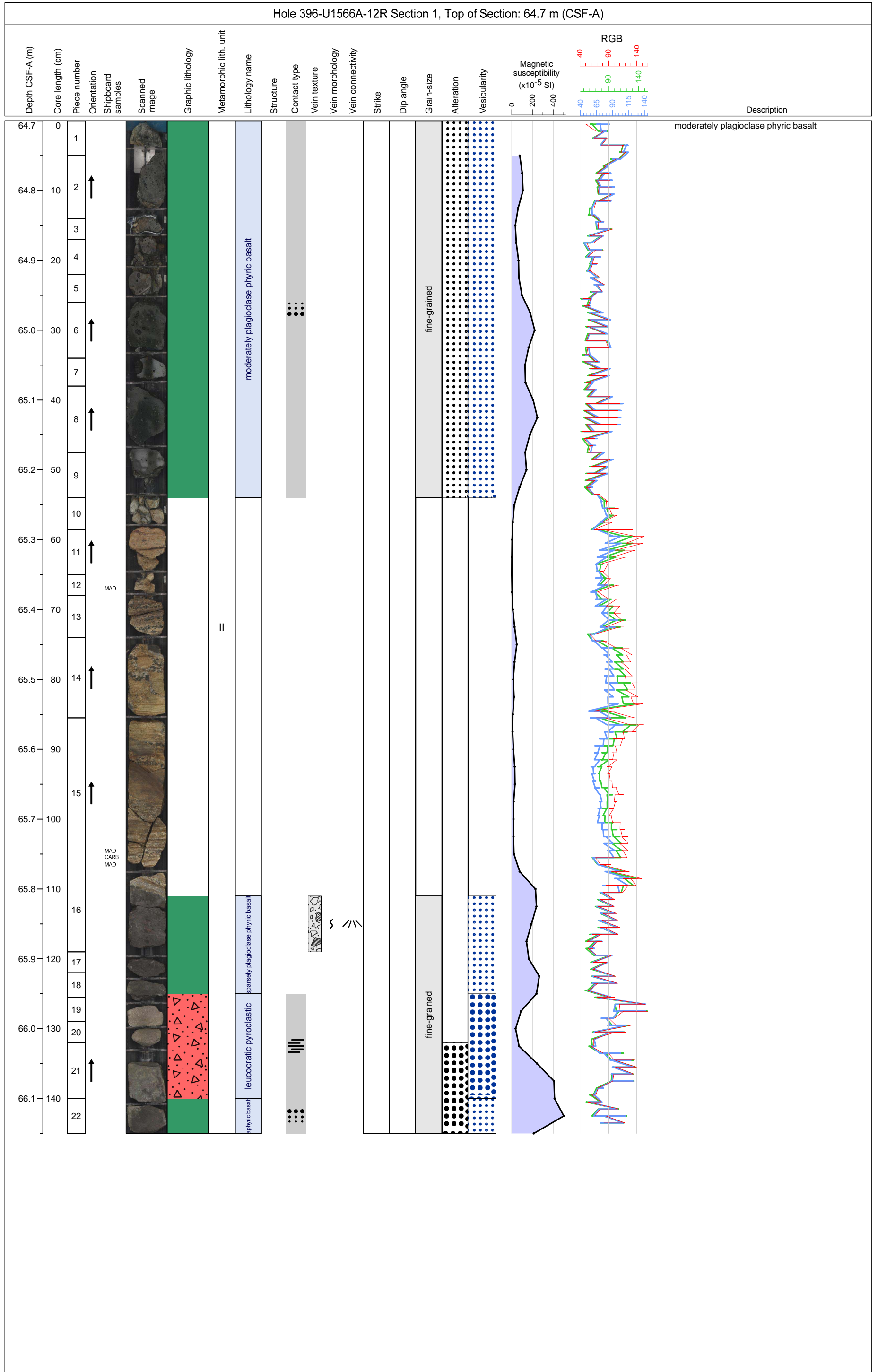


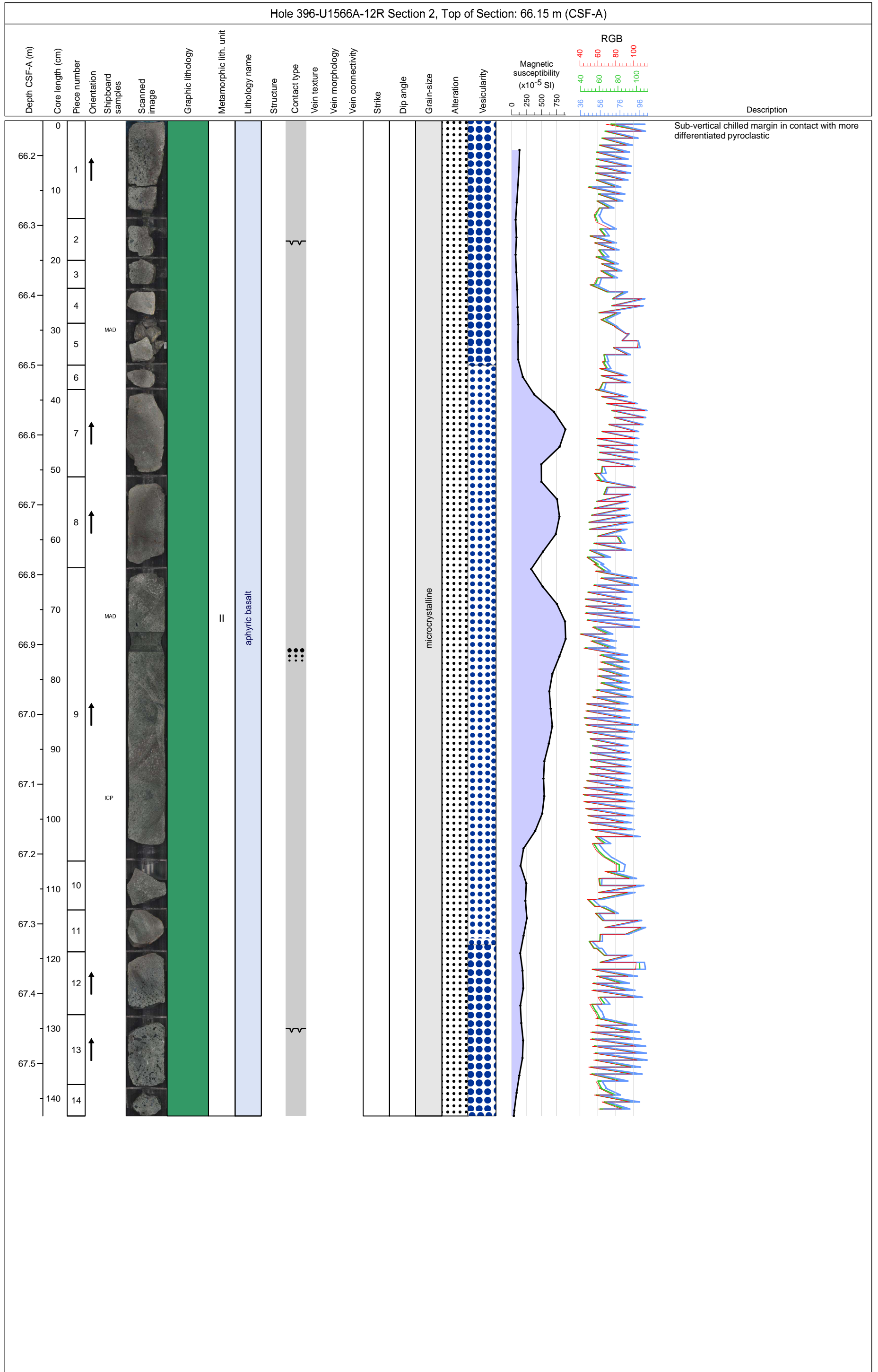


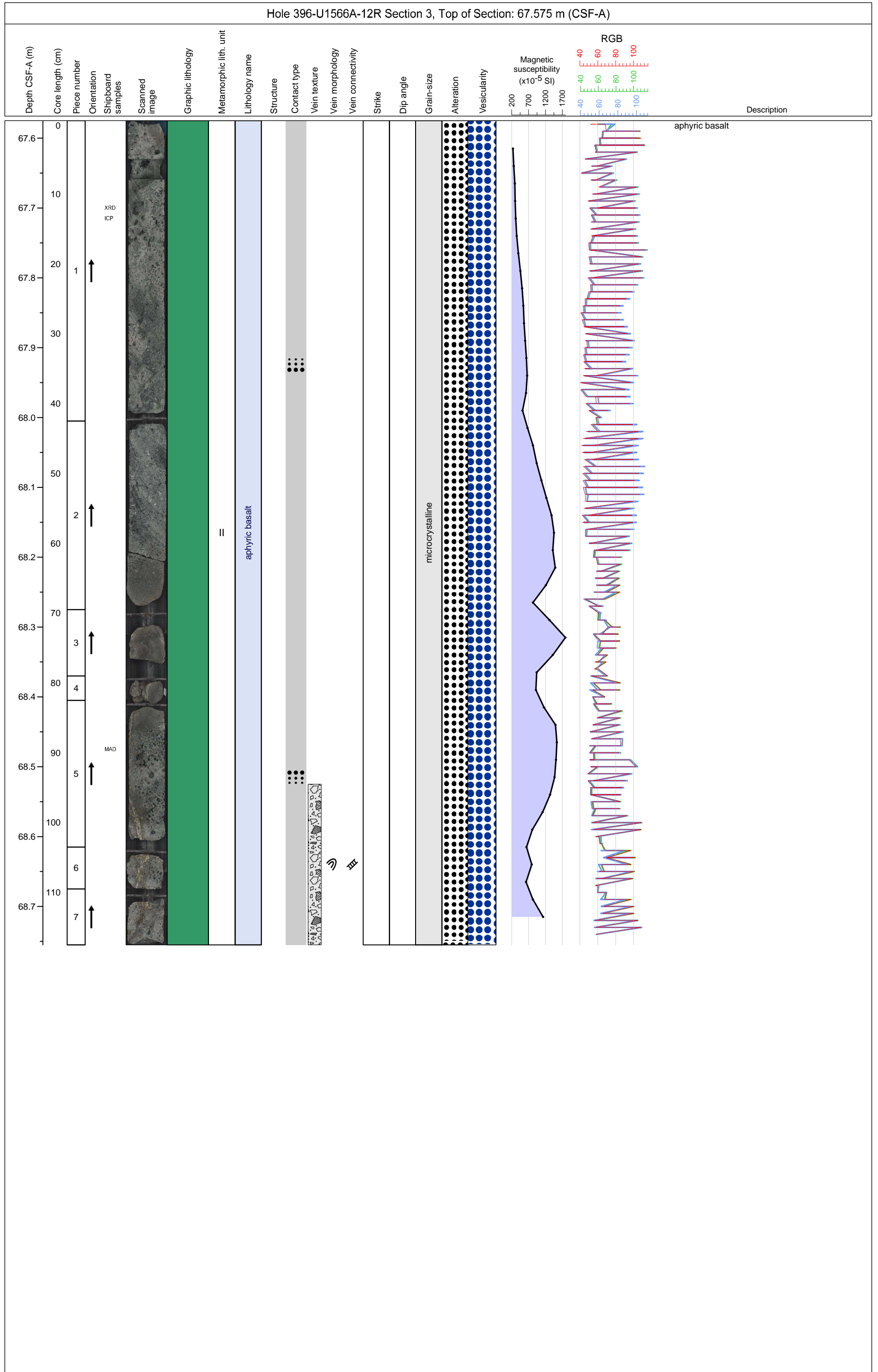
Hole 396-U1566A Core 12R, Interval 64.7-70.225 m (CSF-A)

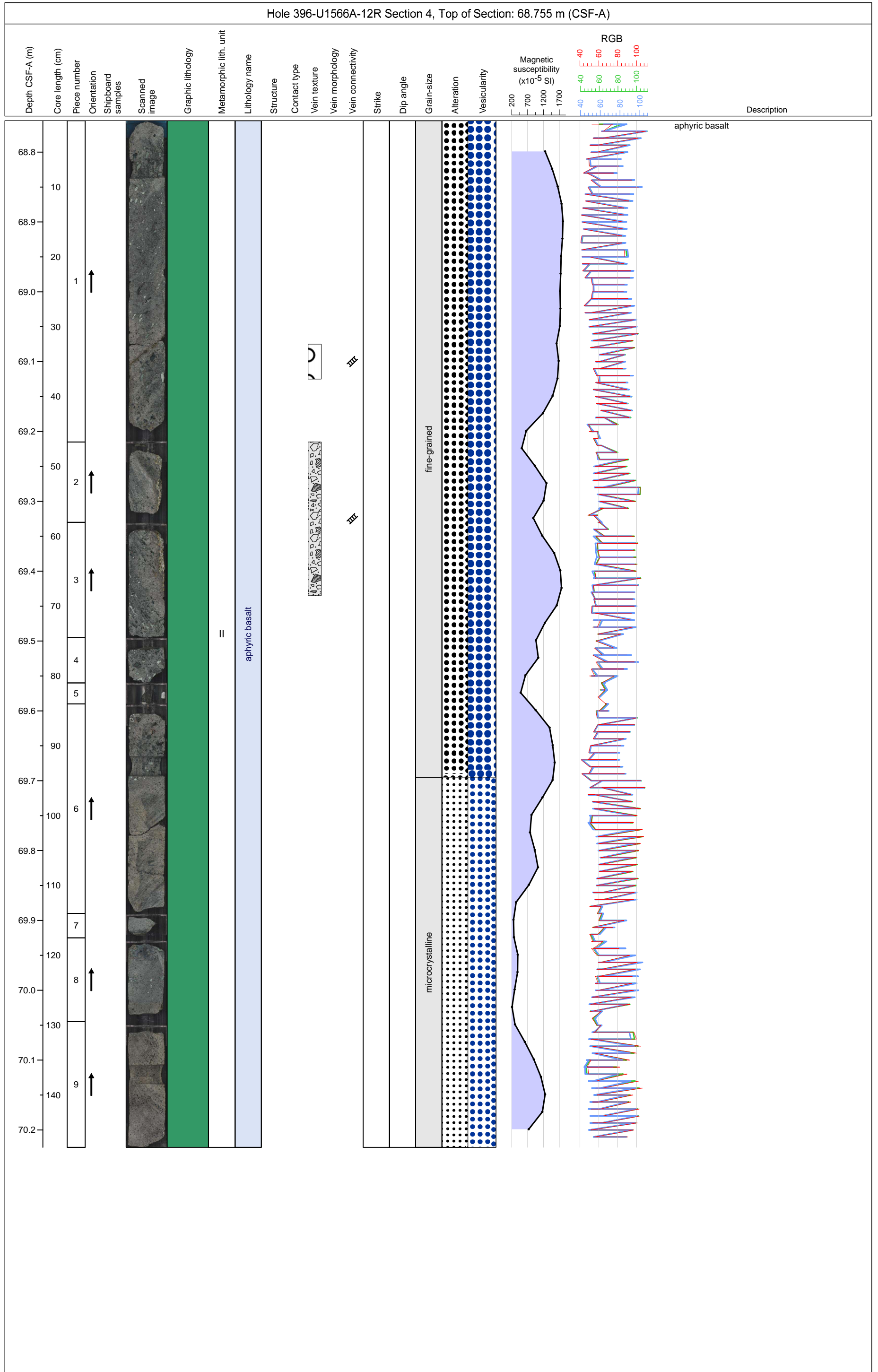
This core consists of alternating cm to meter scale layers of strong brown (7.5YR 4/6) CLAYSTONE with gravel and of gray (GLEYS 5/N) ahyric BASALT moderately altered to clay. A minimum of three lava flows are identified.





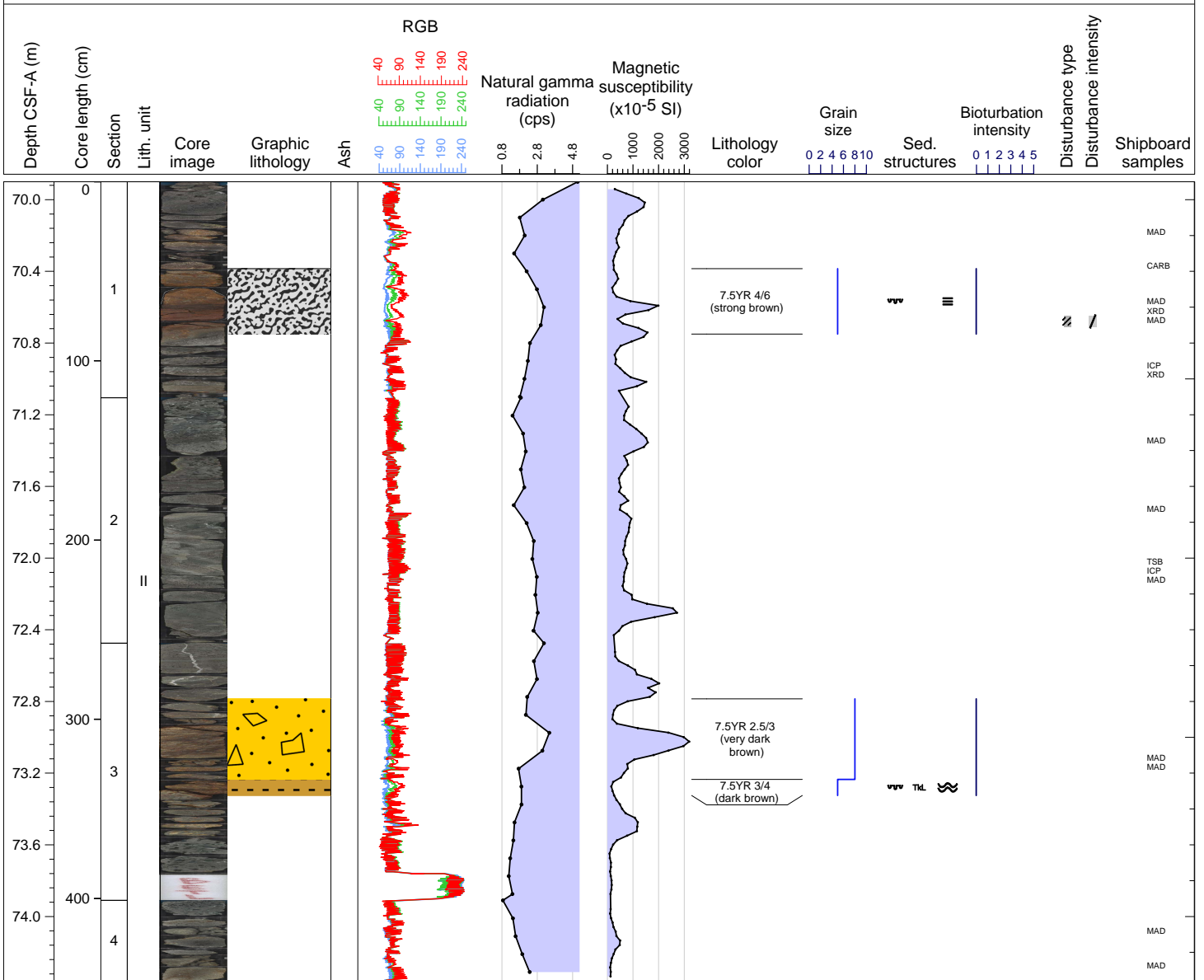


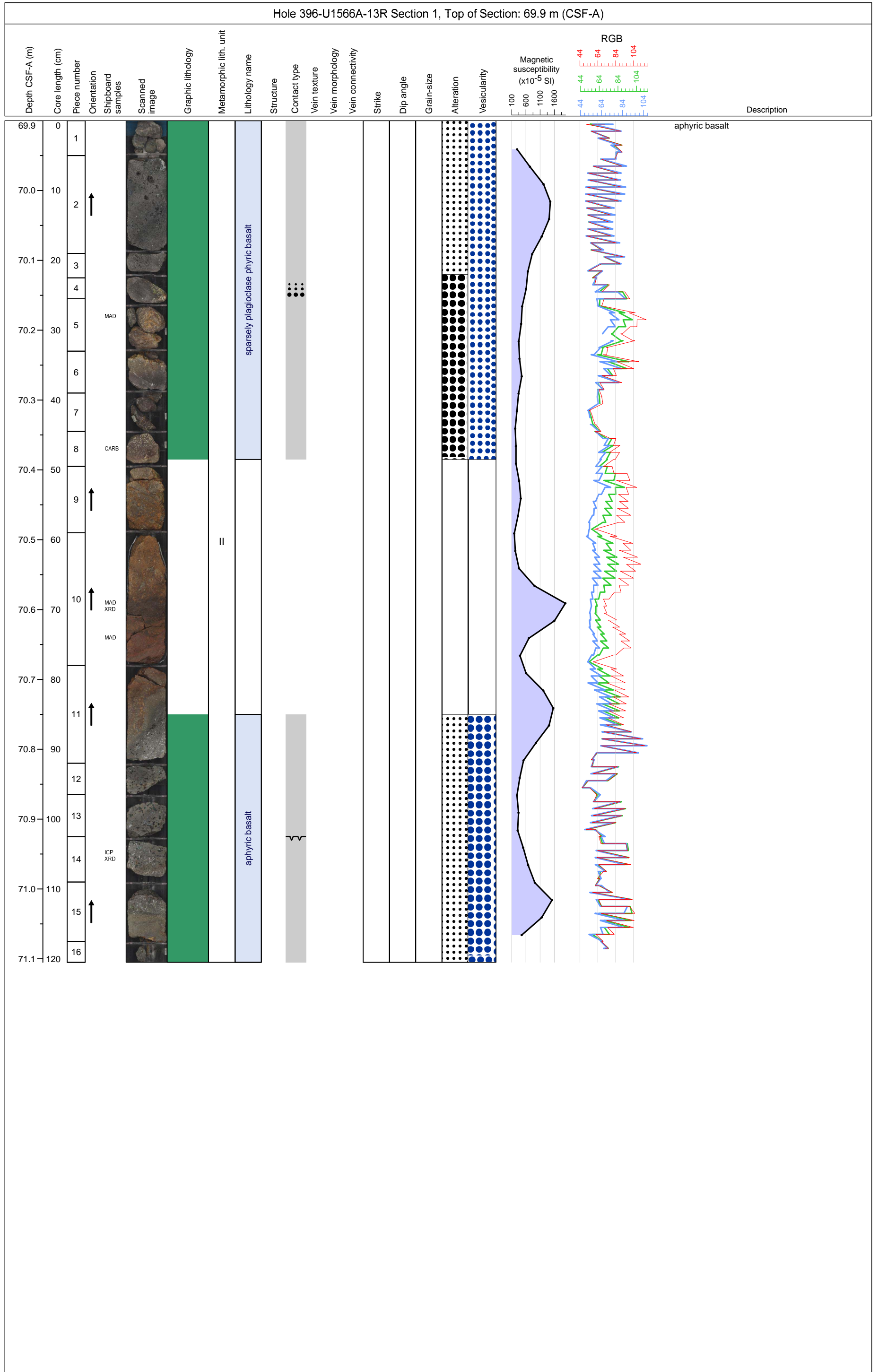


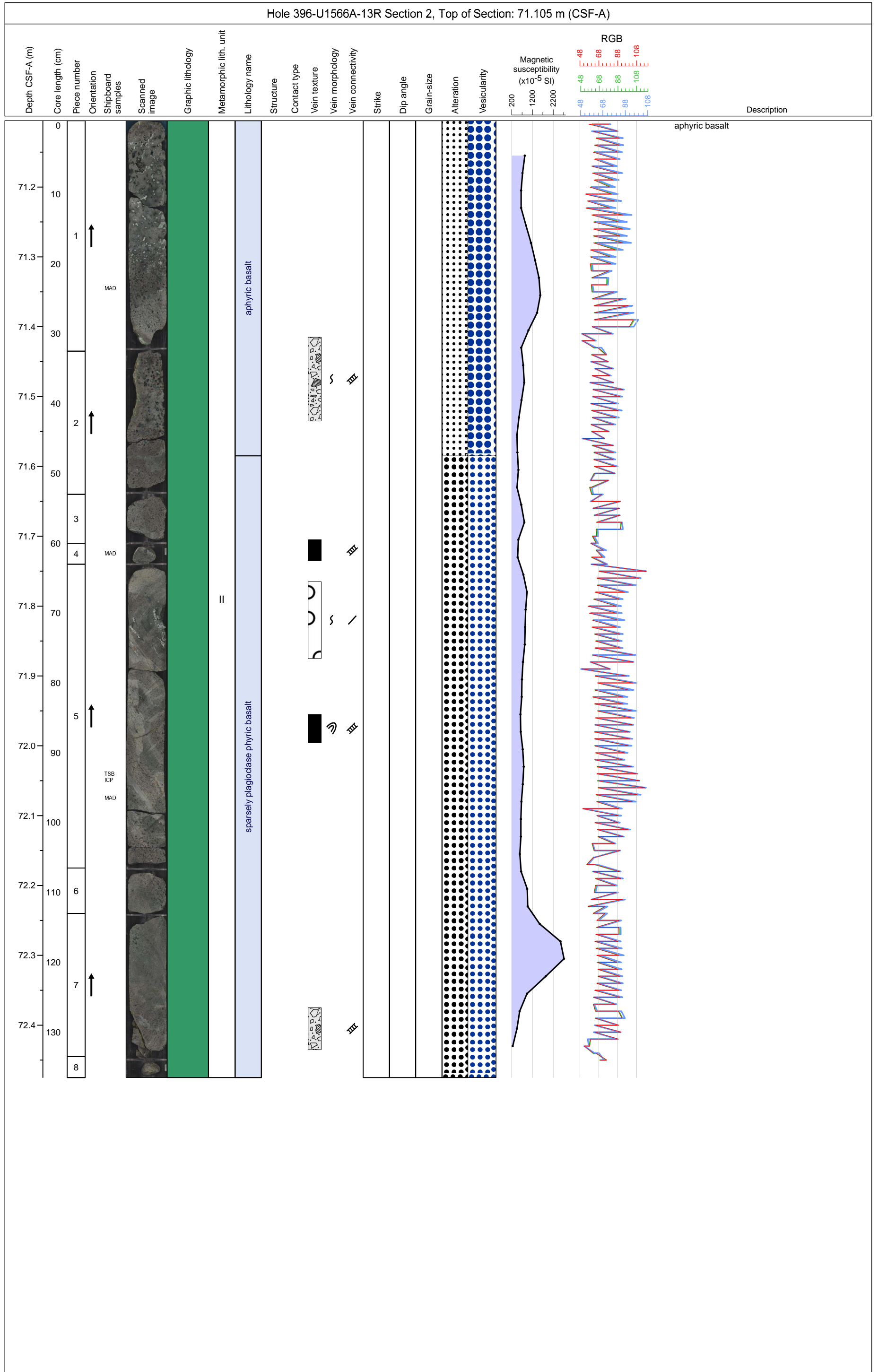


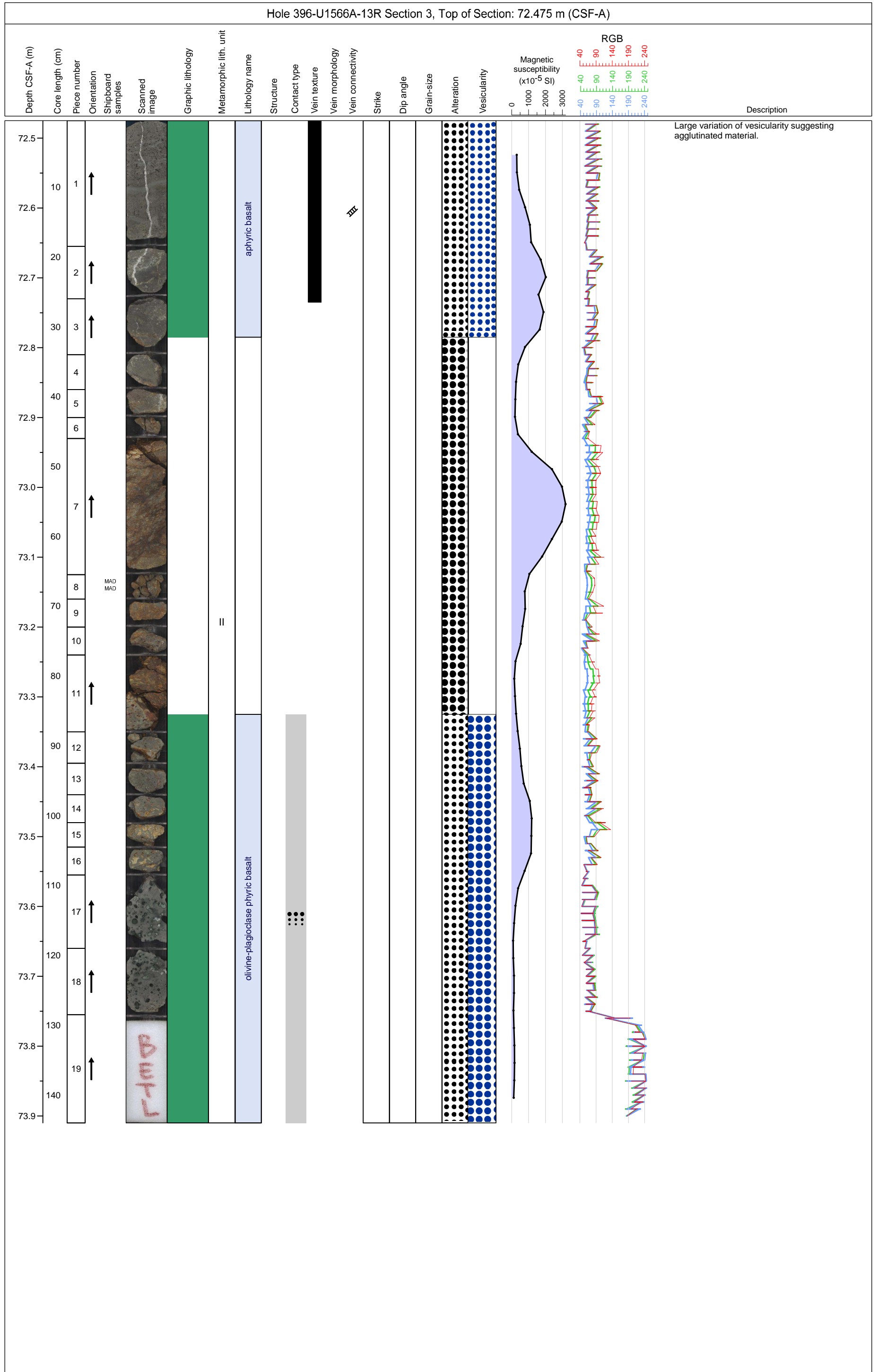
Hole 396-U1566A Core 13R, Interval 69.9-74.365 m (CSF-A)

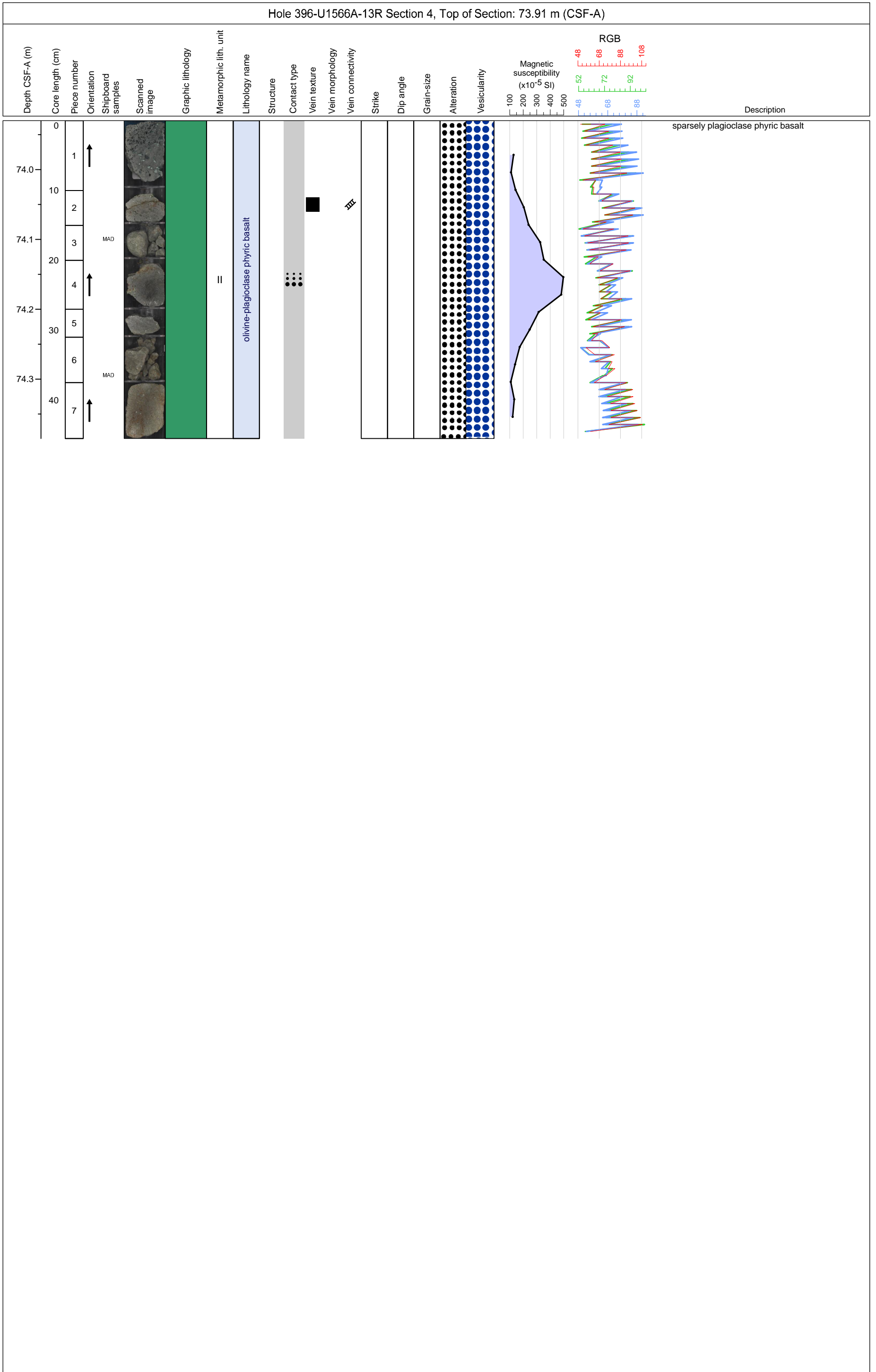
This core consists of gray (GLEY 1 5/N) sparsely plagioclase phyric BASALT, moderately to highly vesicular (vesicles mostly filled with clay minerals). A minimum of three lava flows are identified delimited by chilled margin.

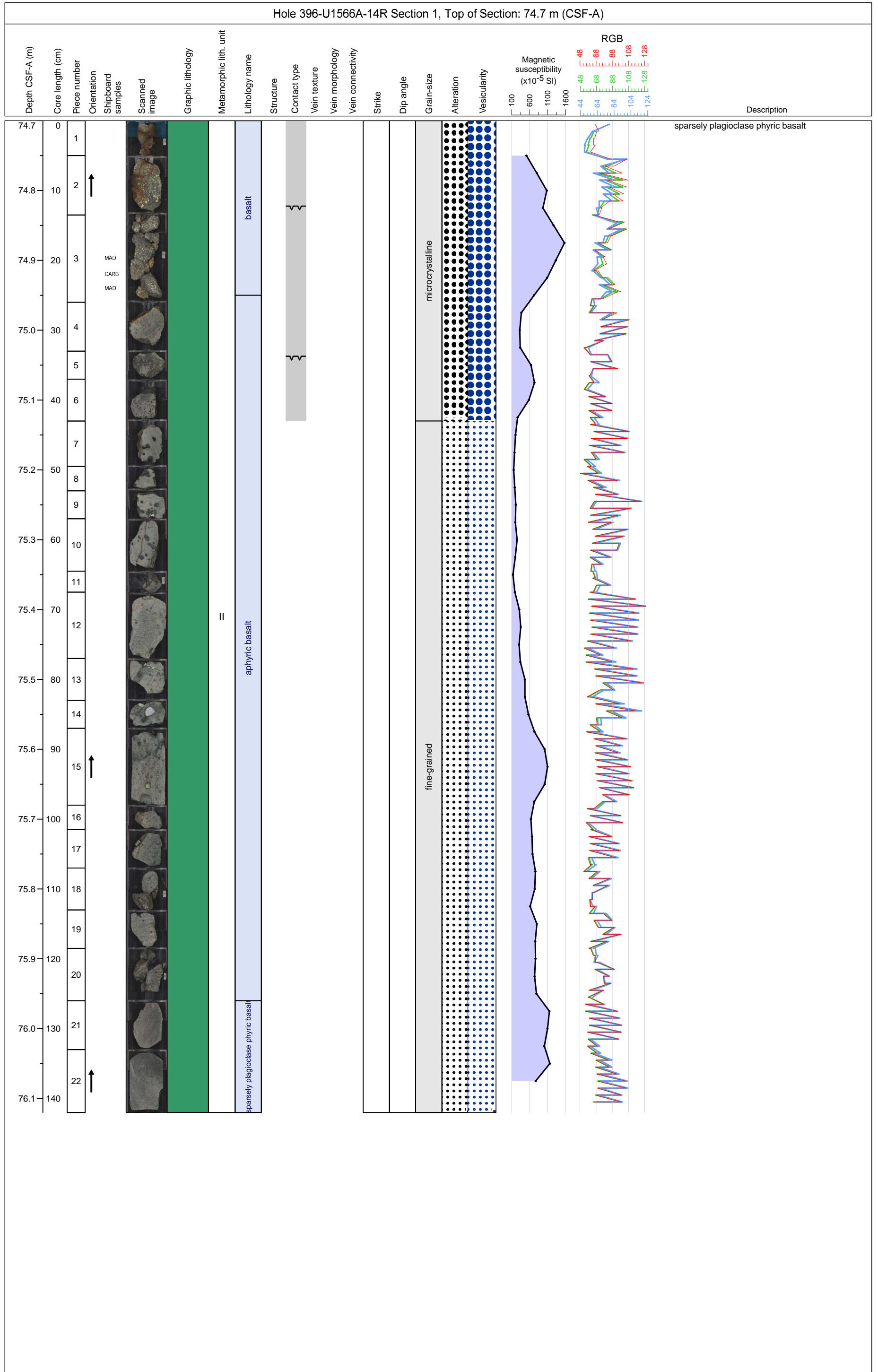


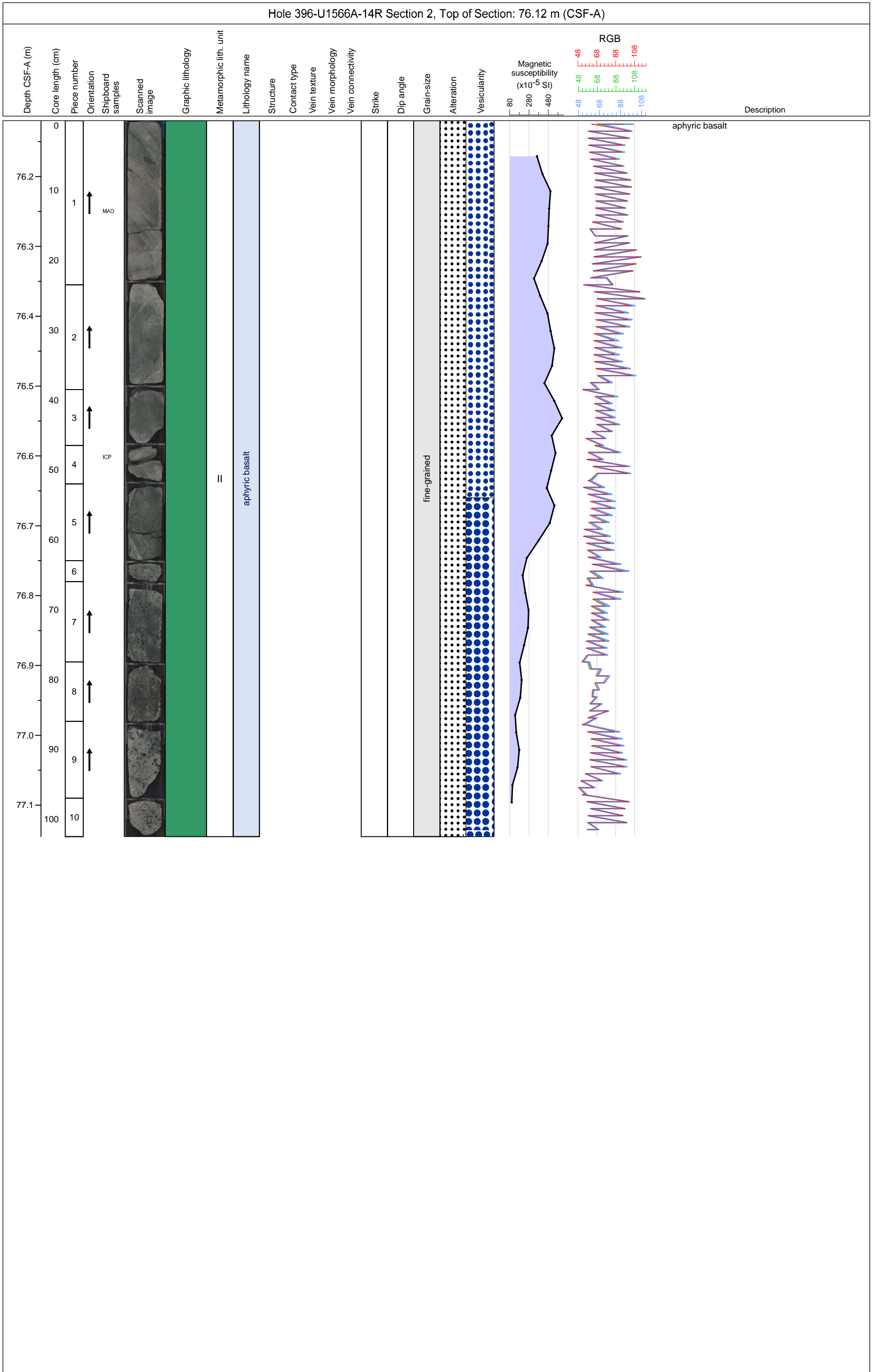


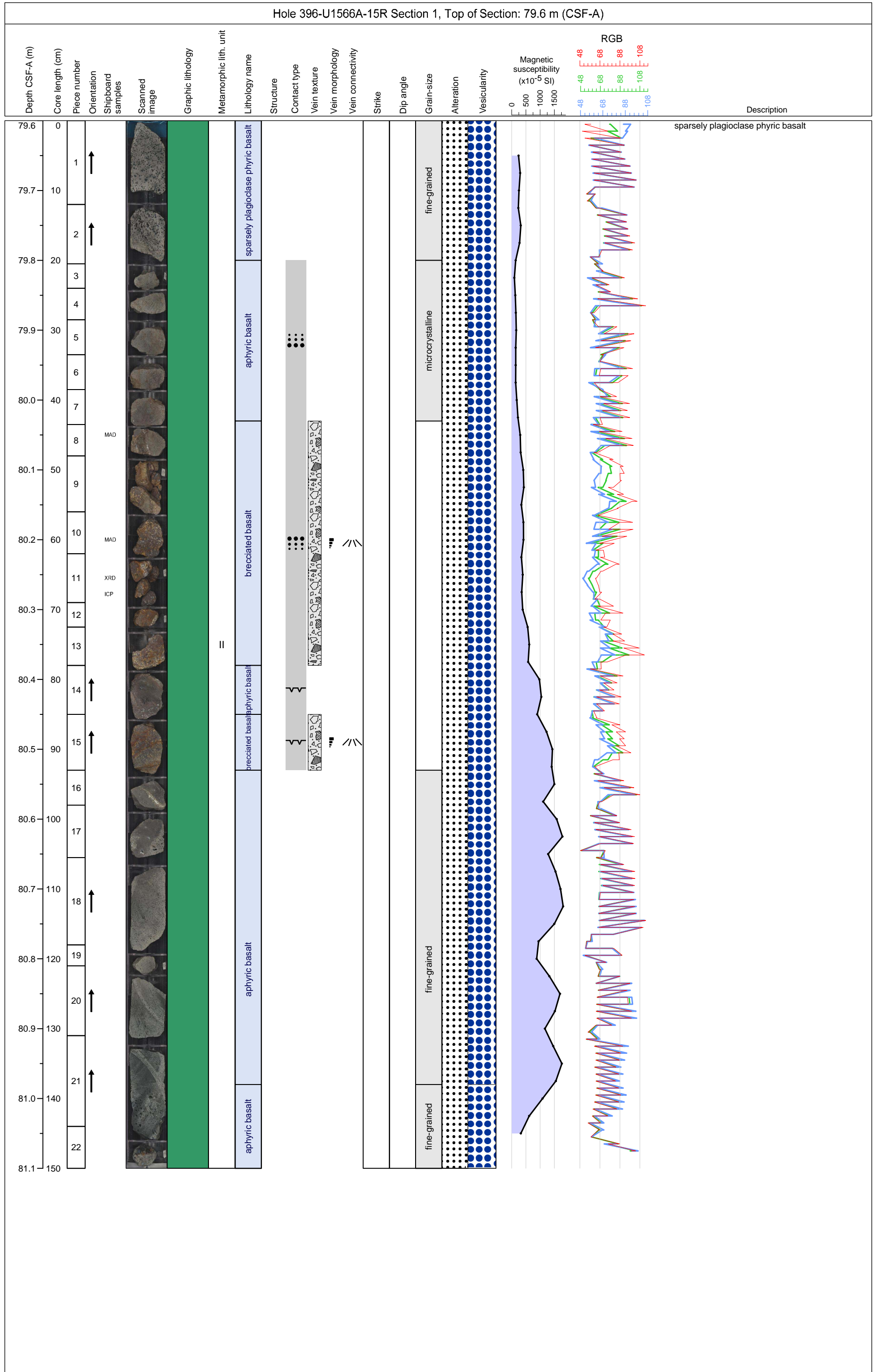


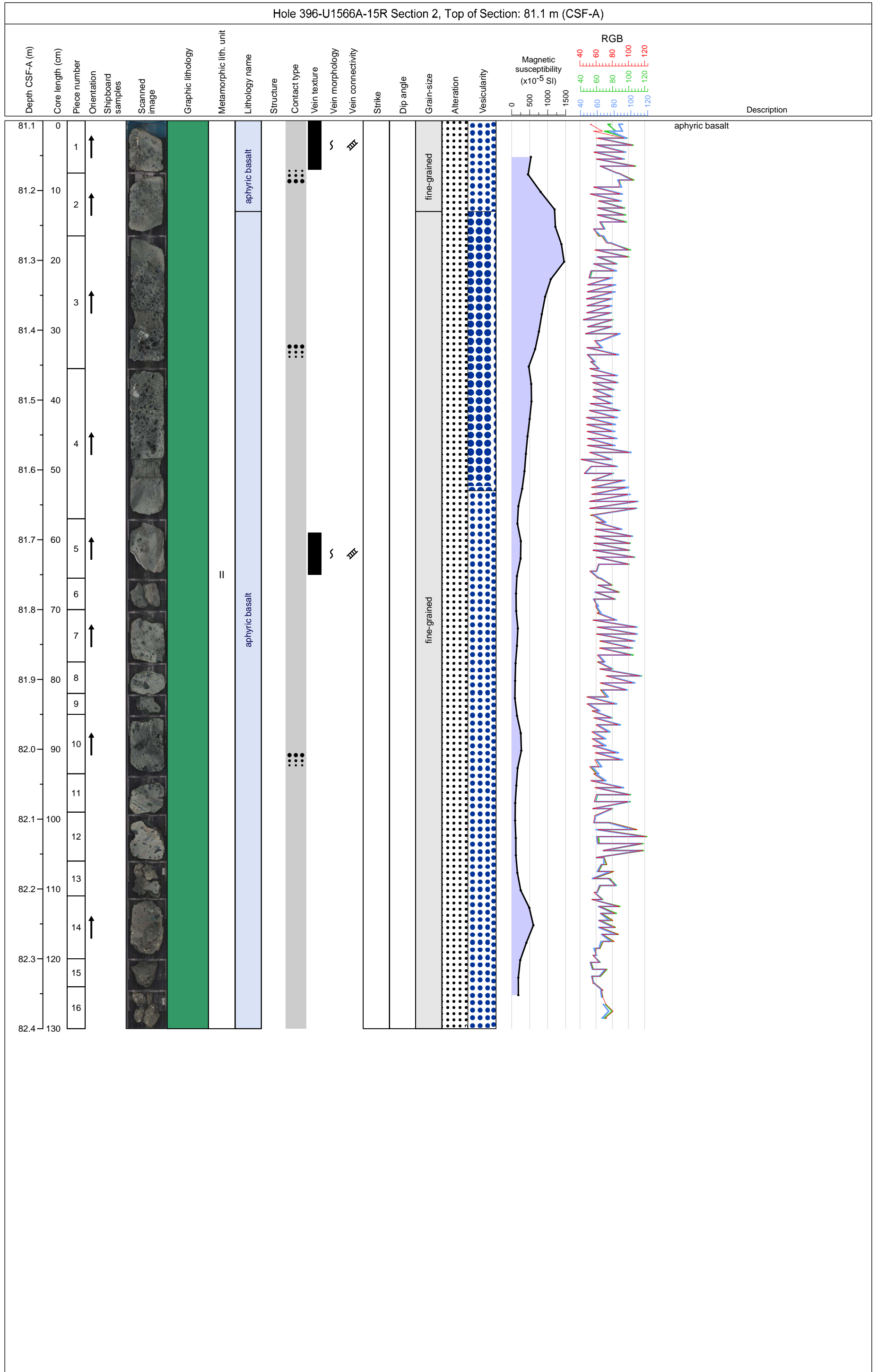


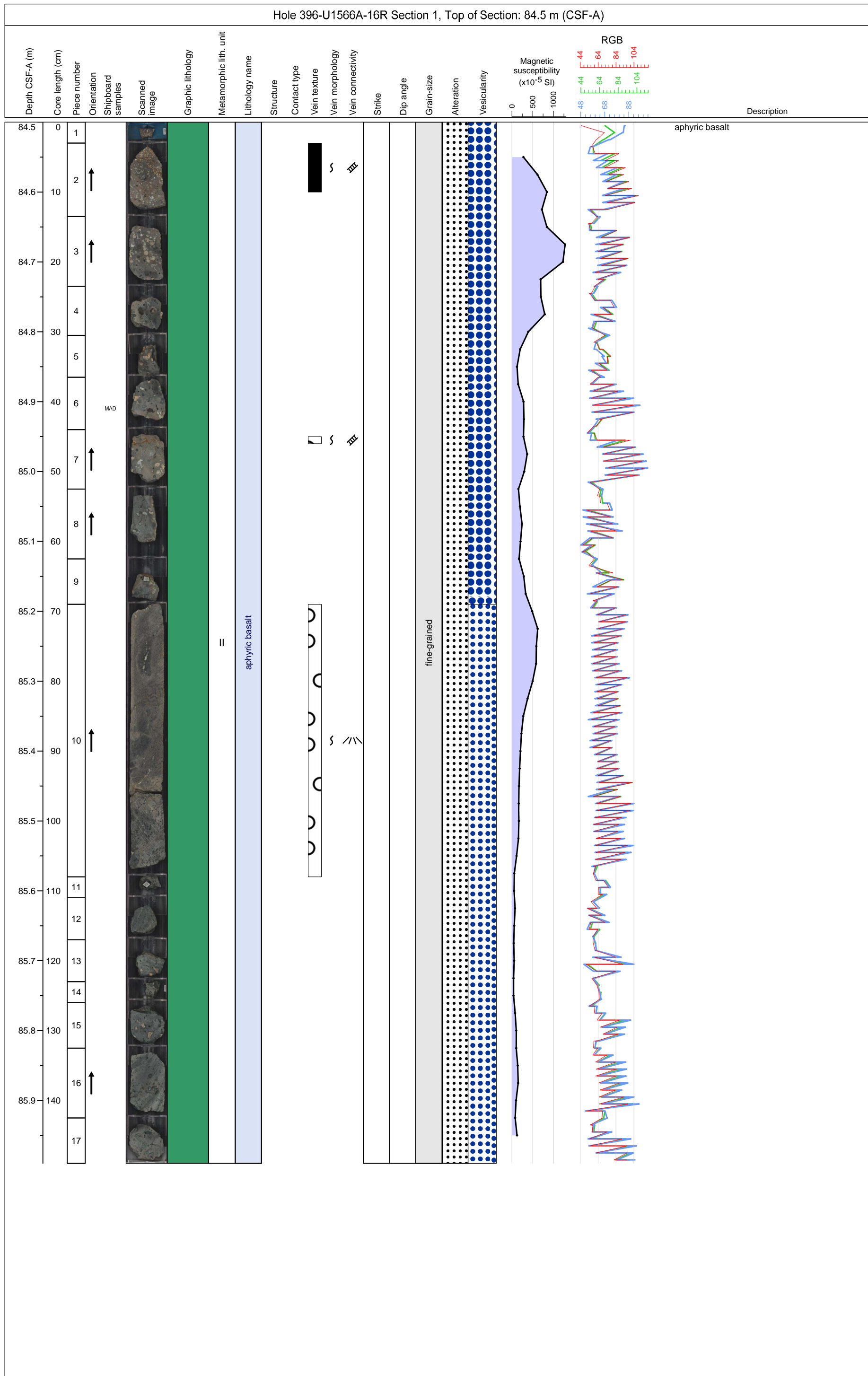


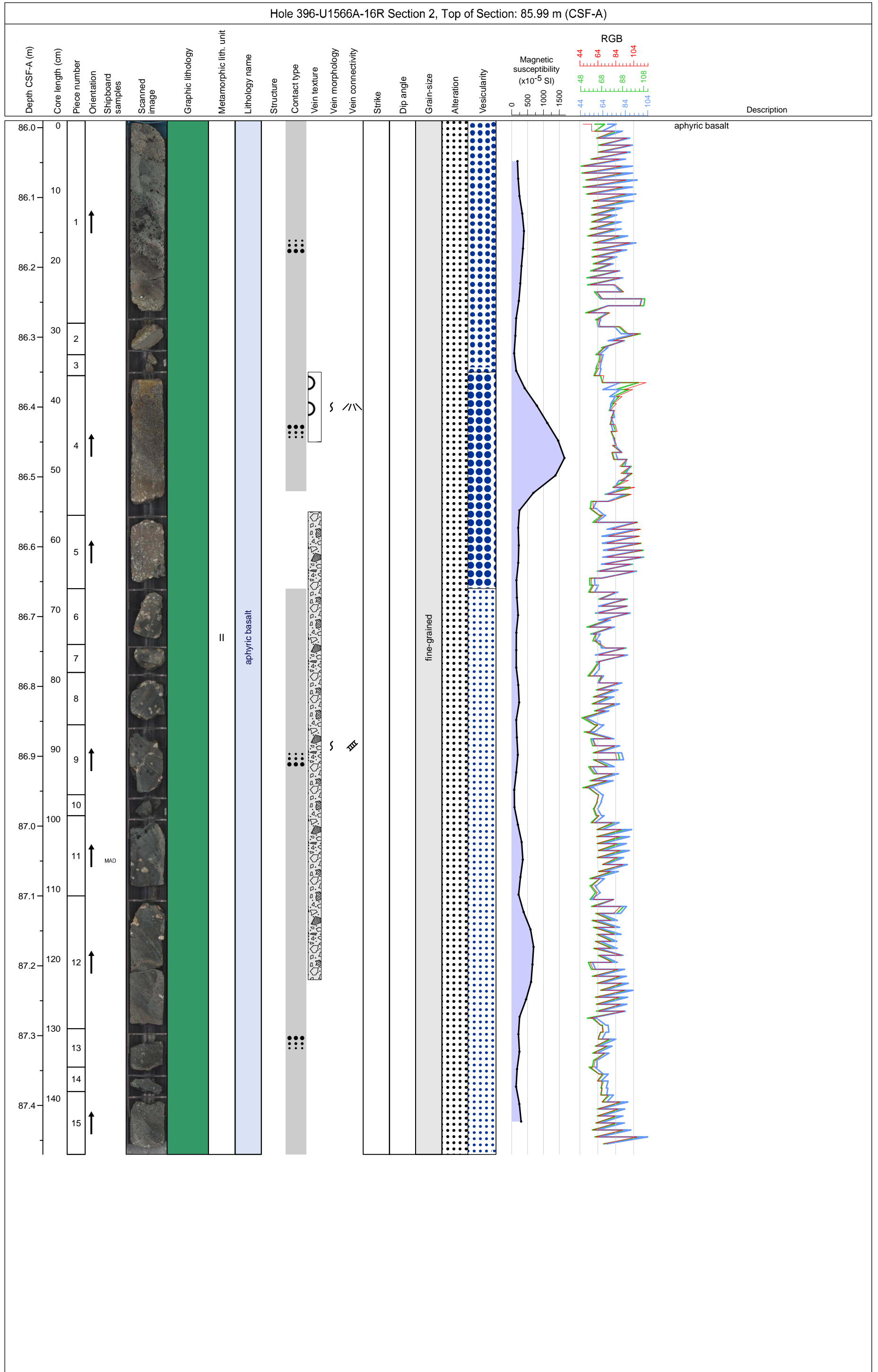


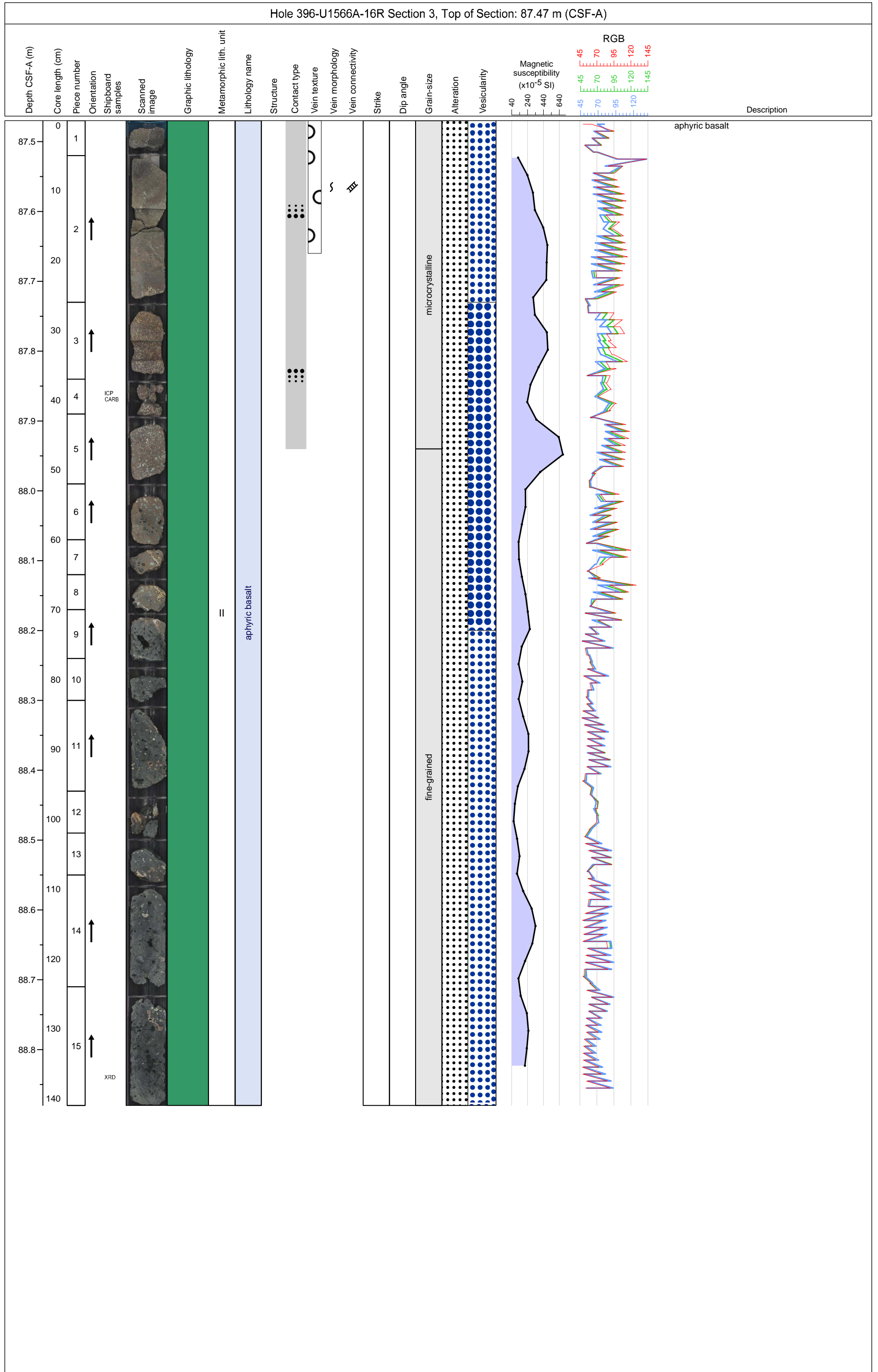


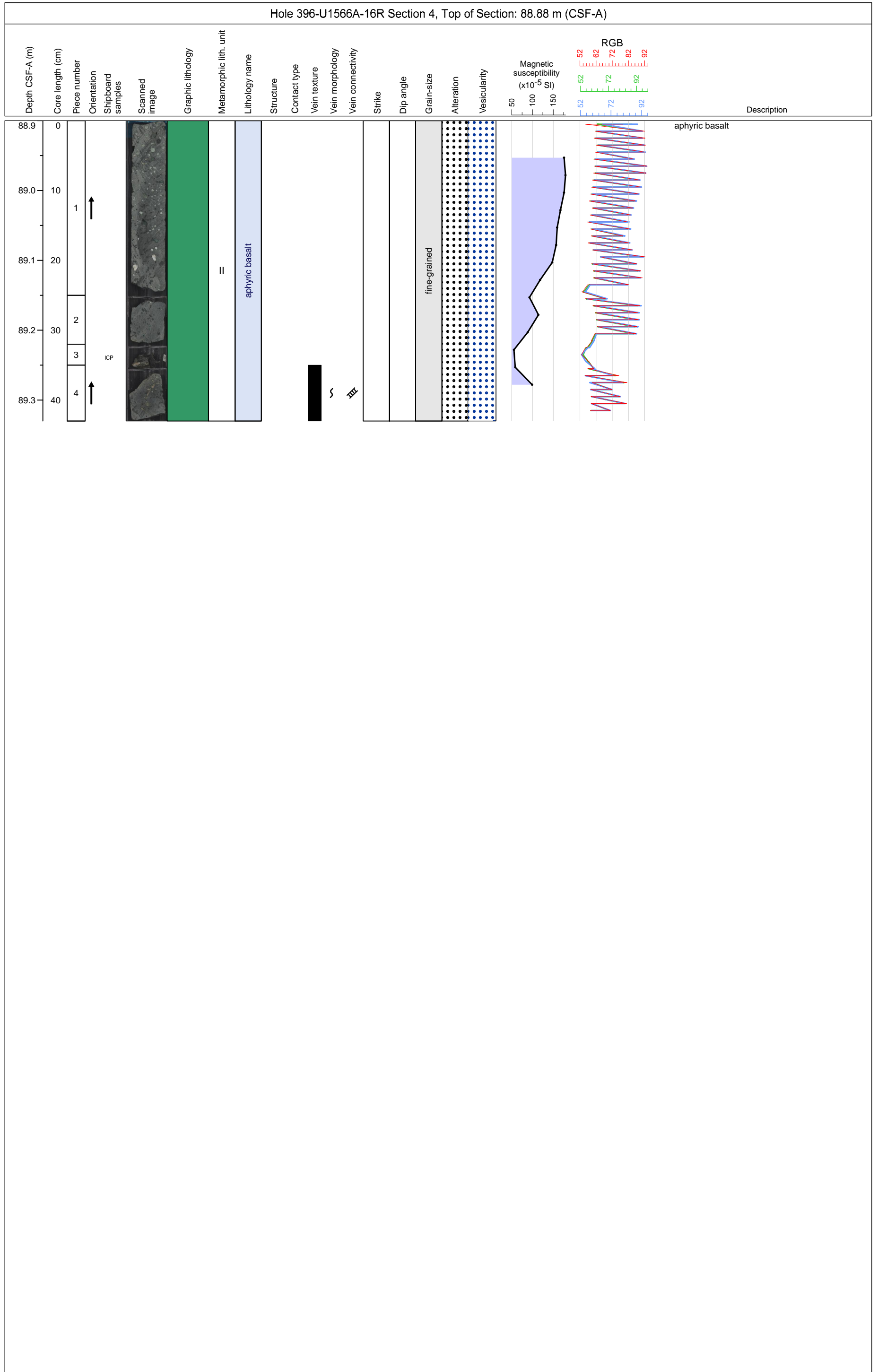


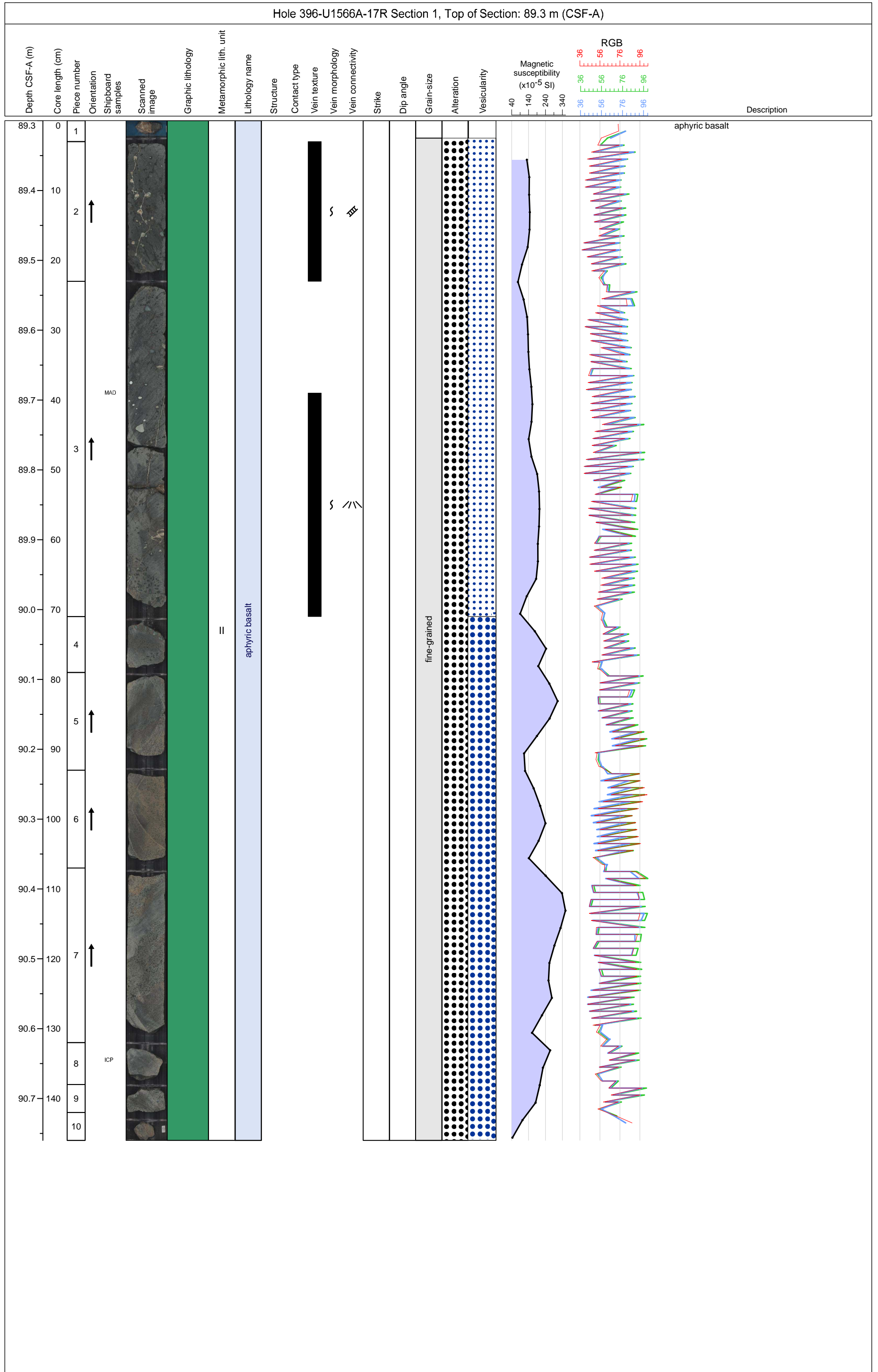


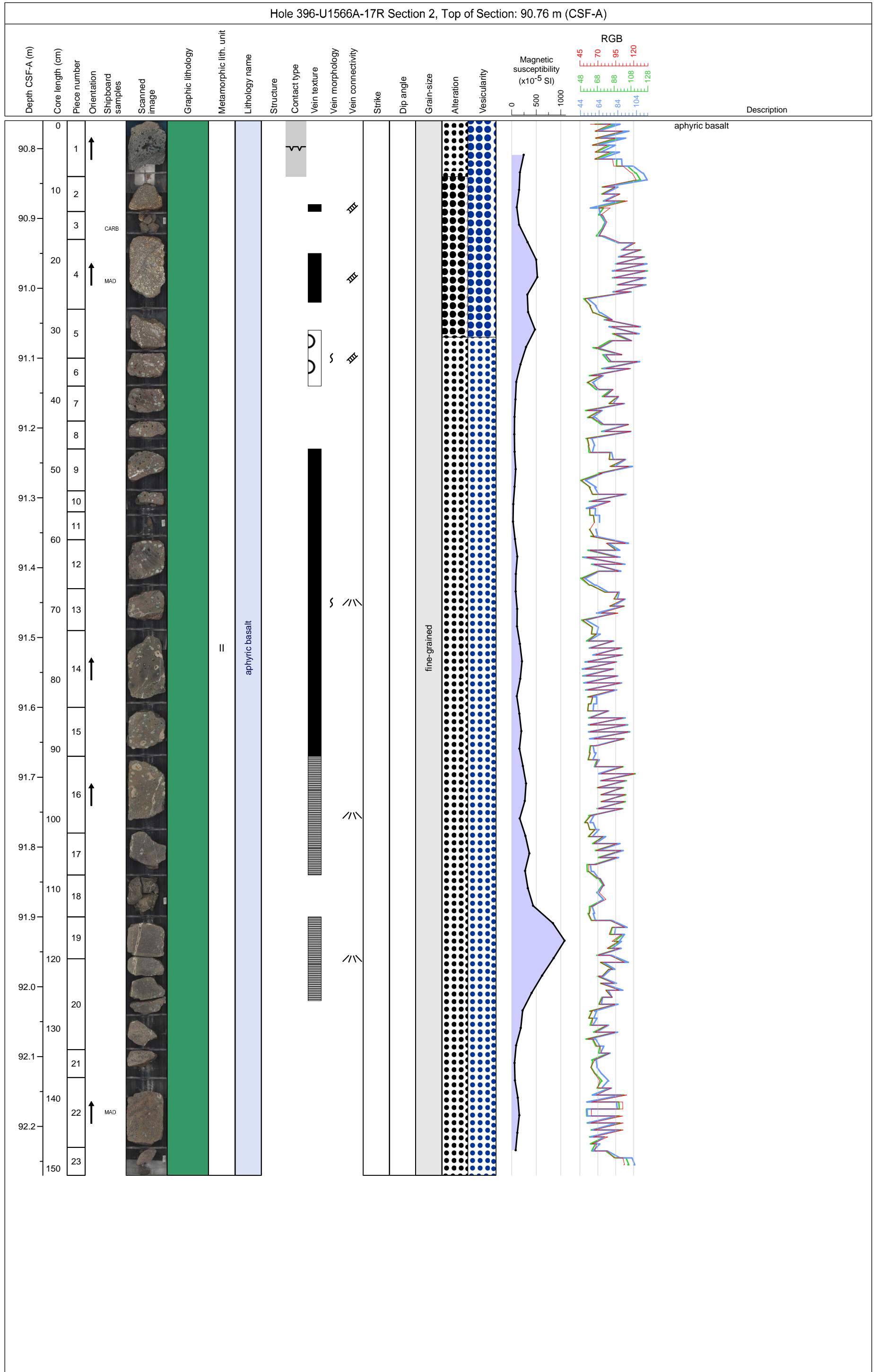


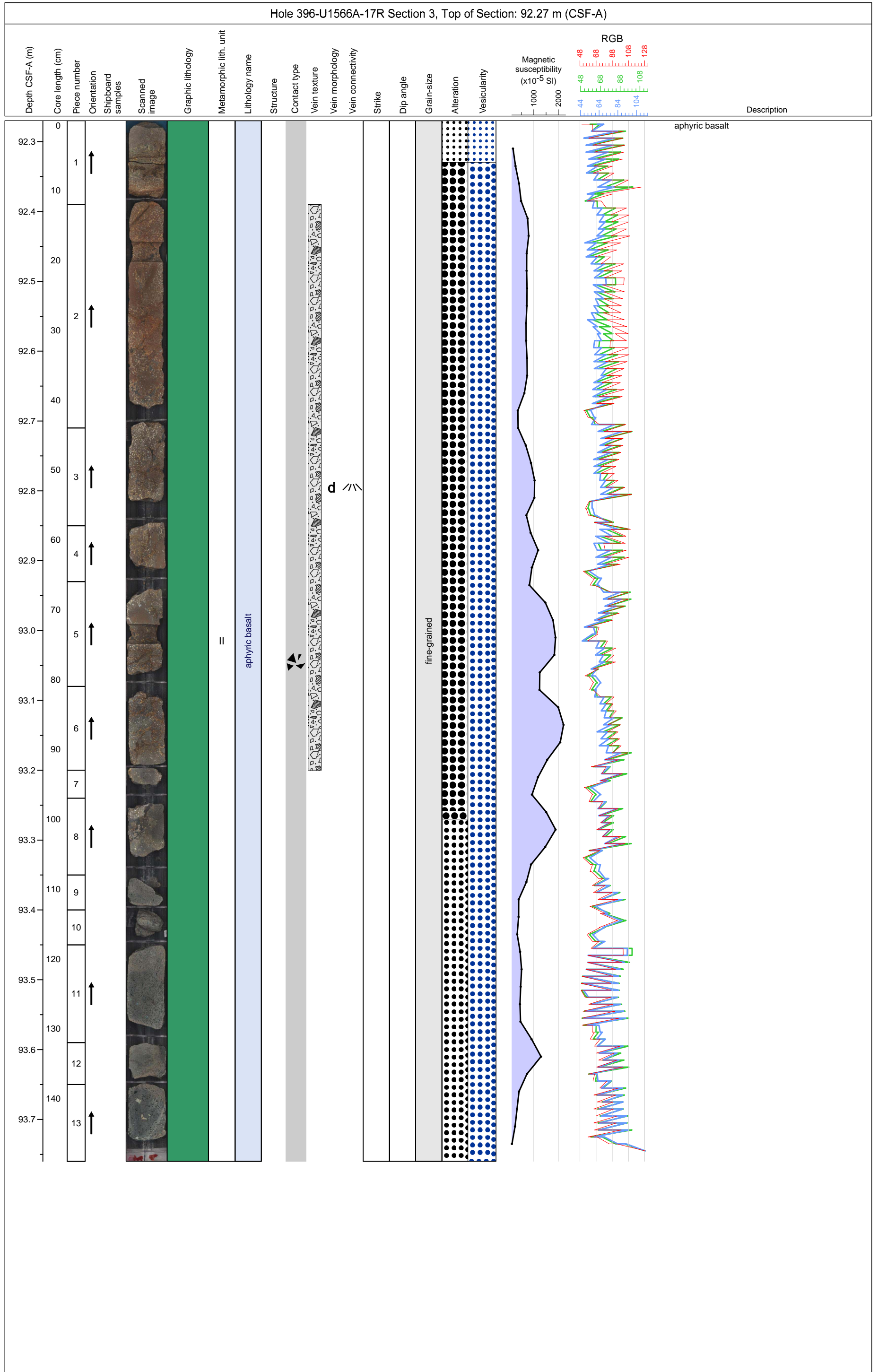


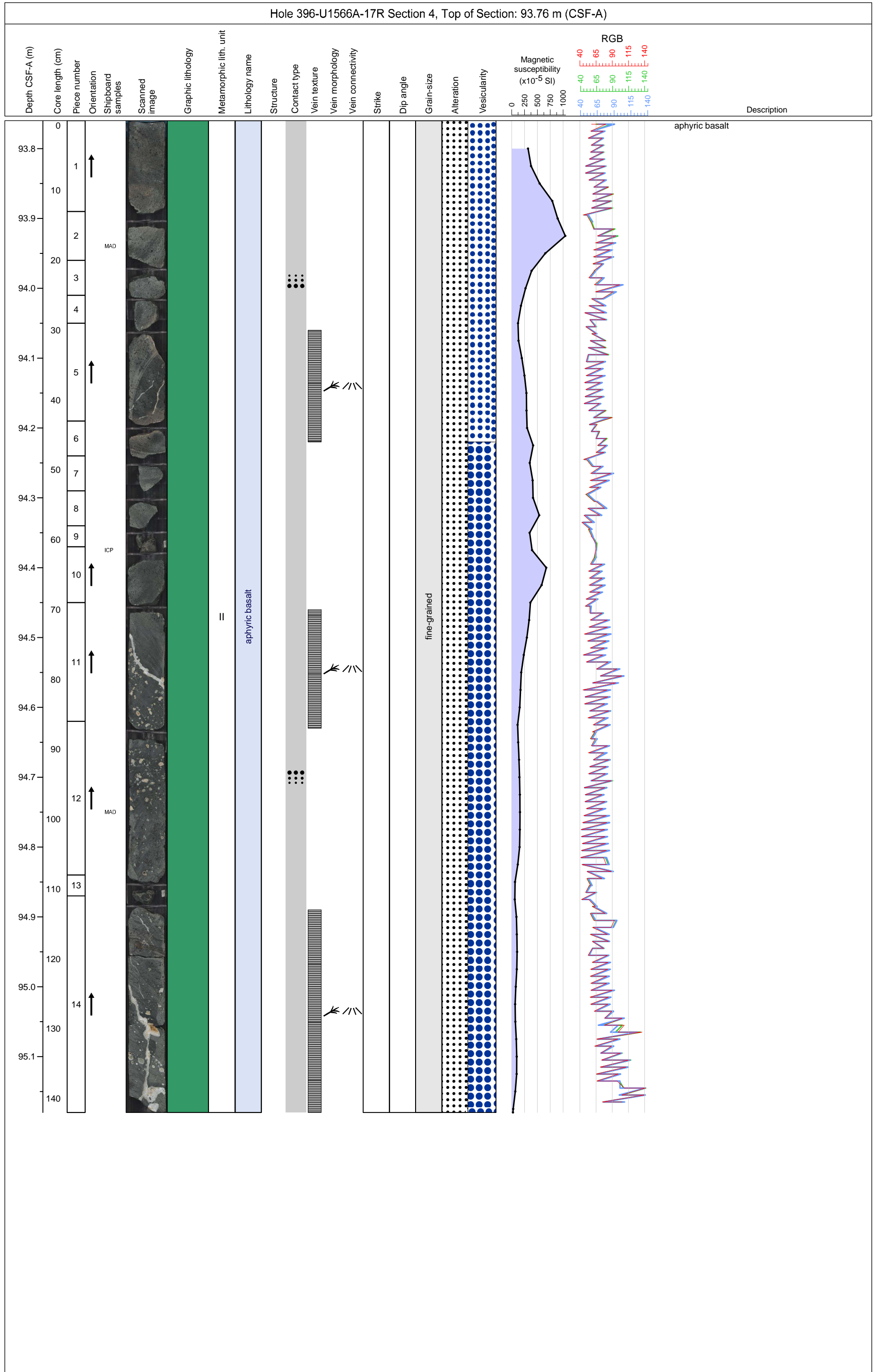


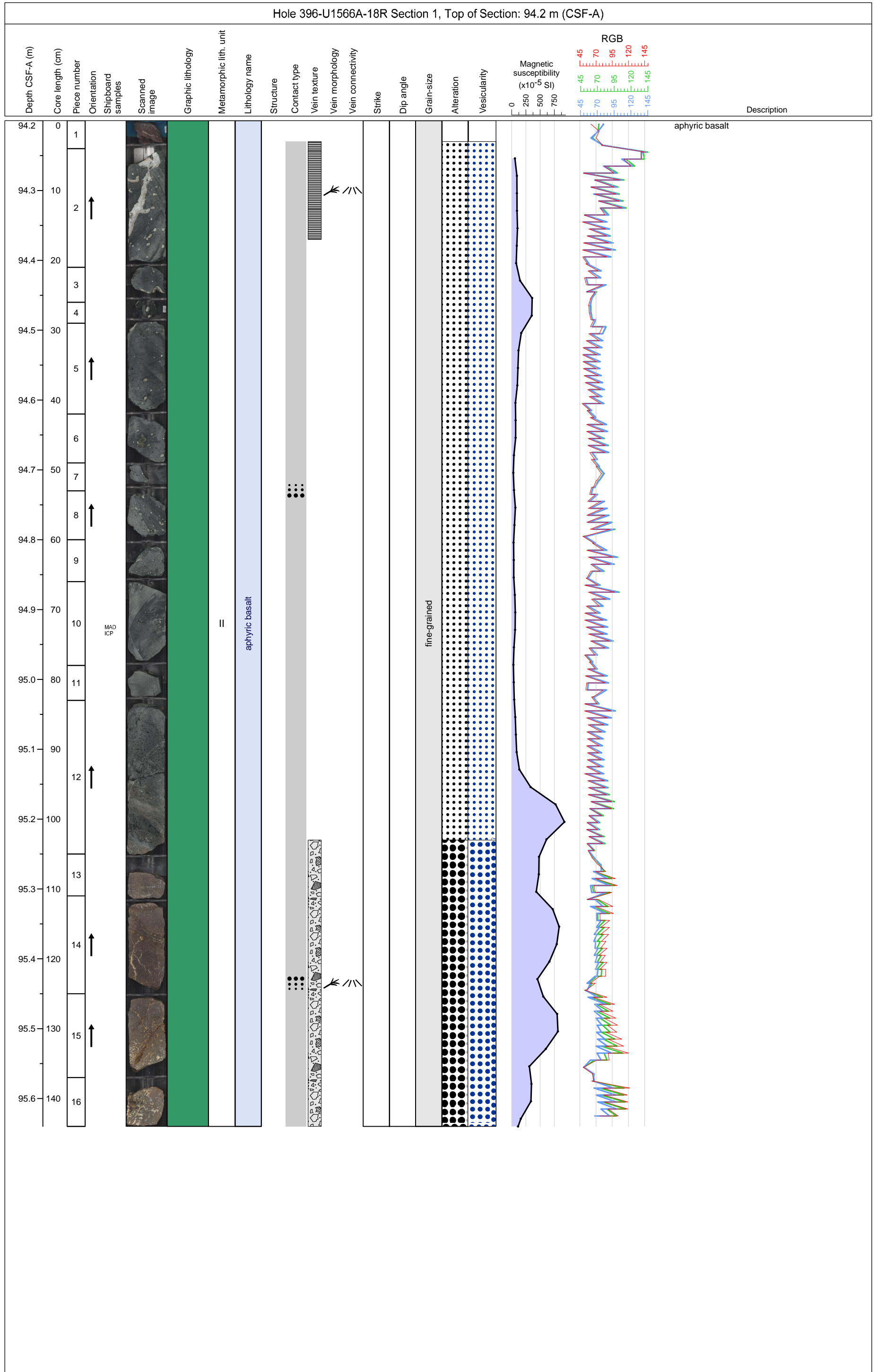


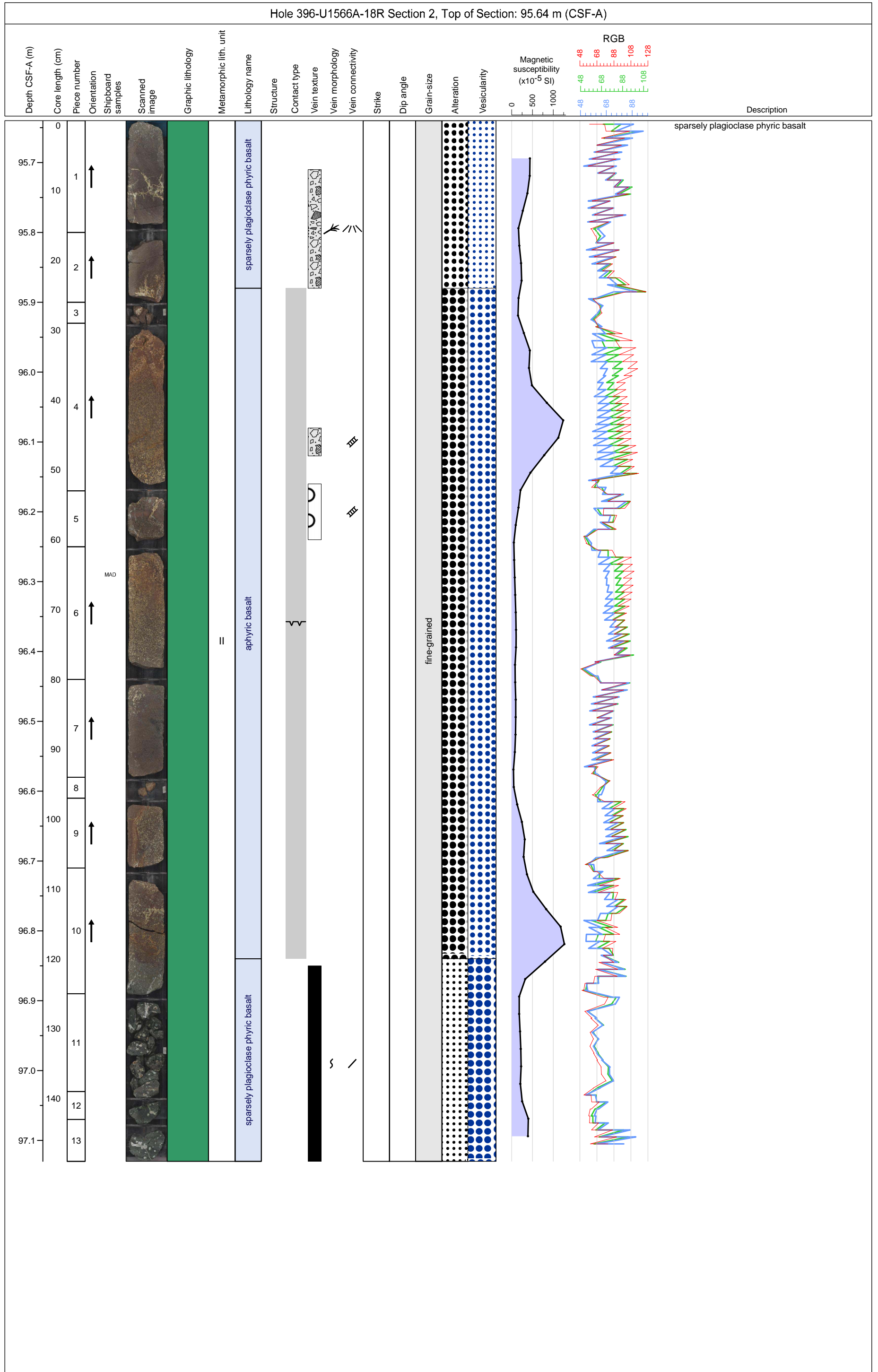


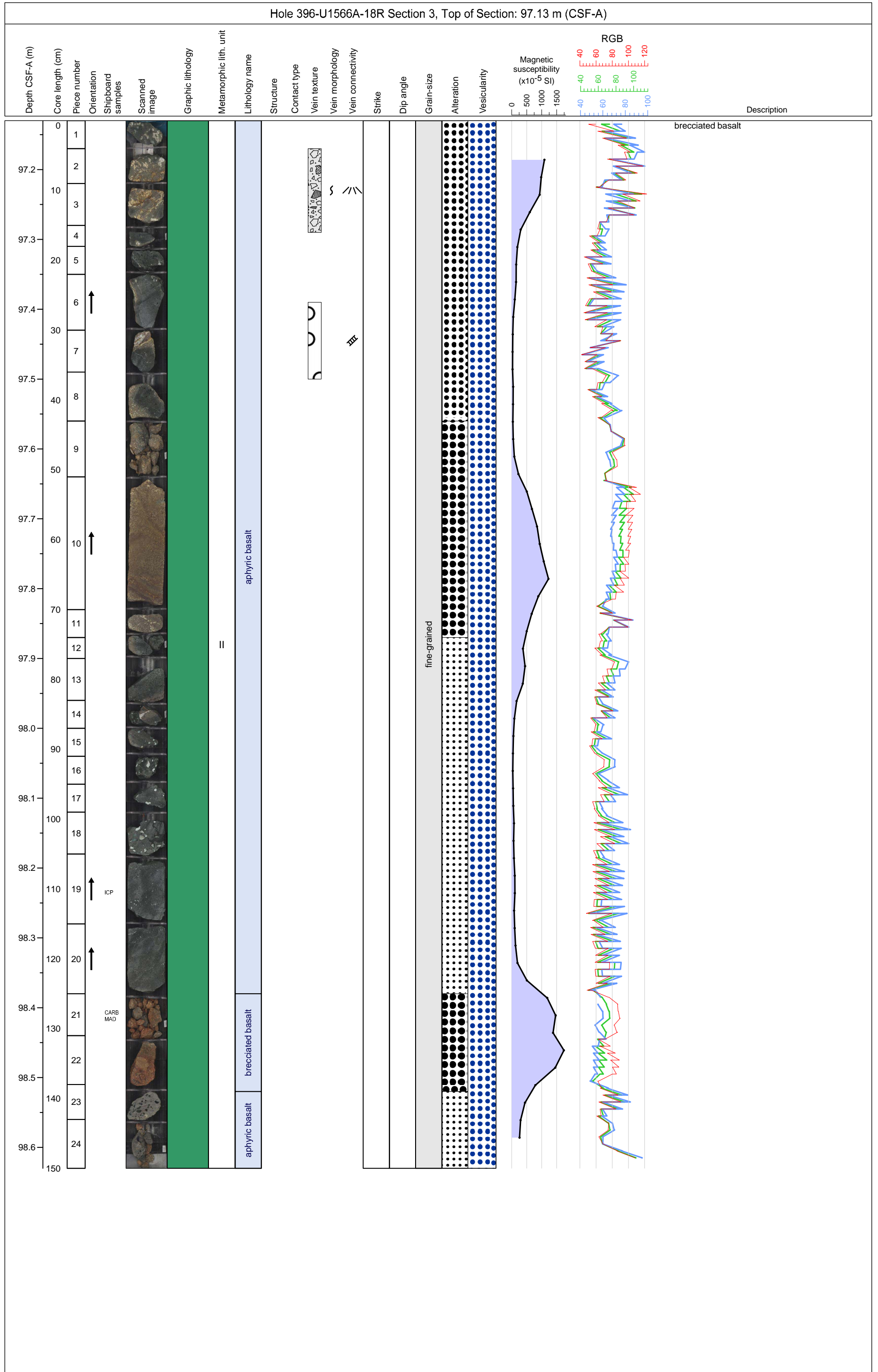


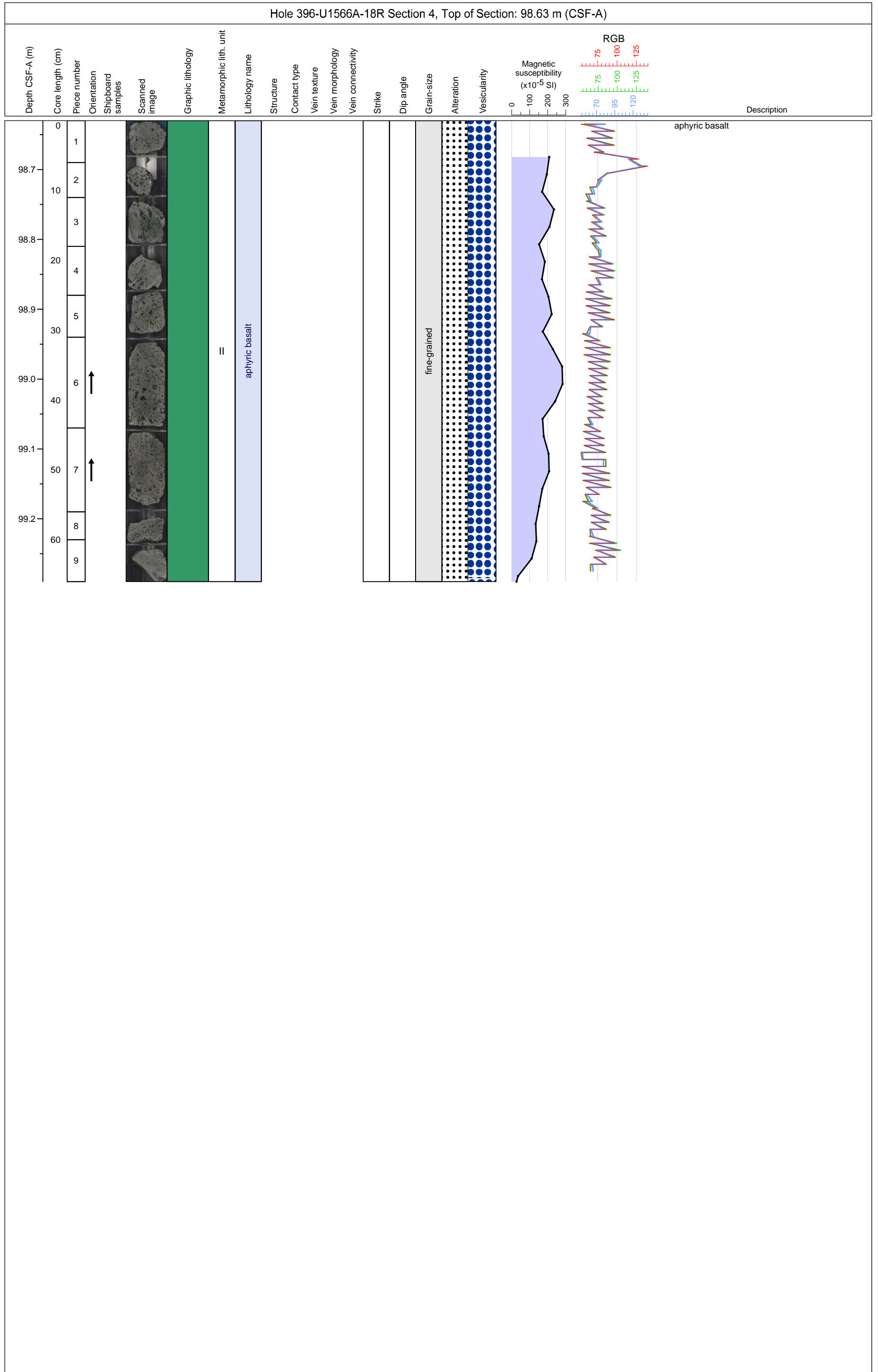


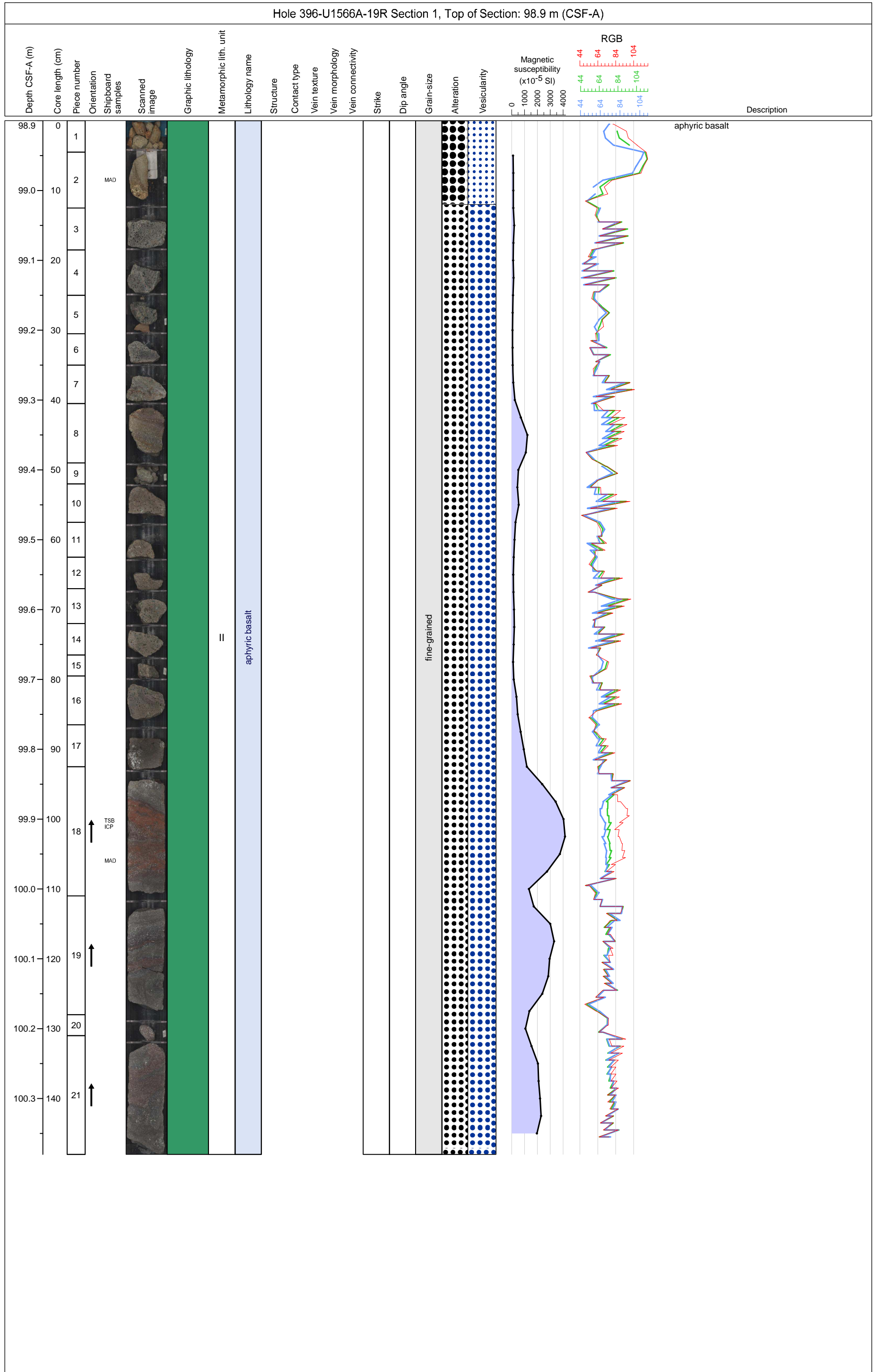


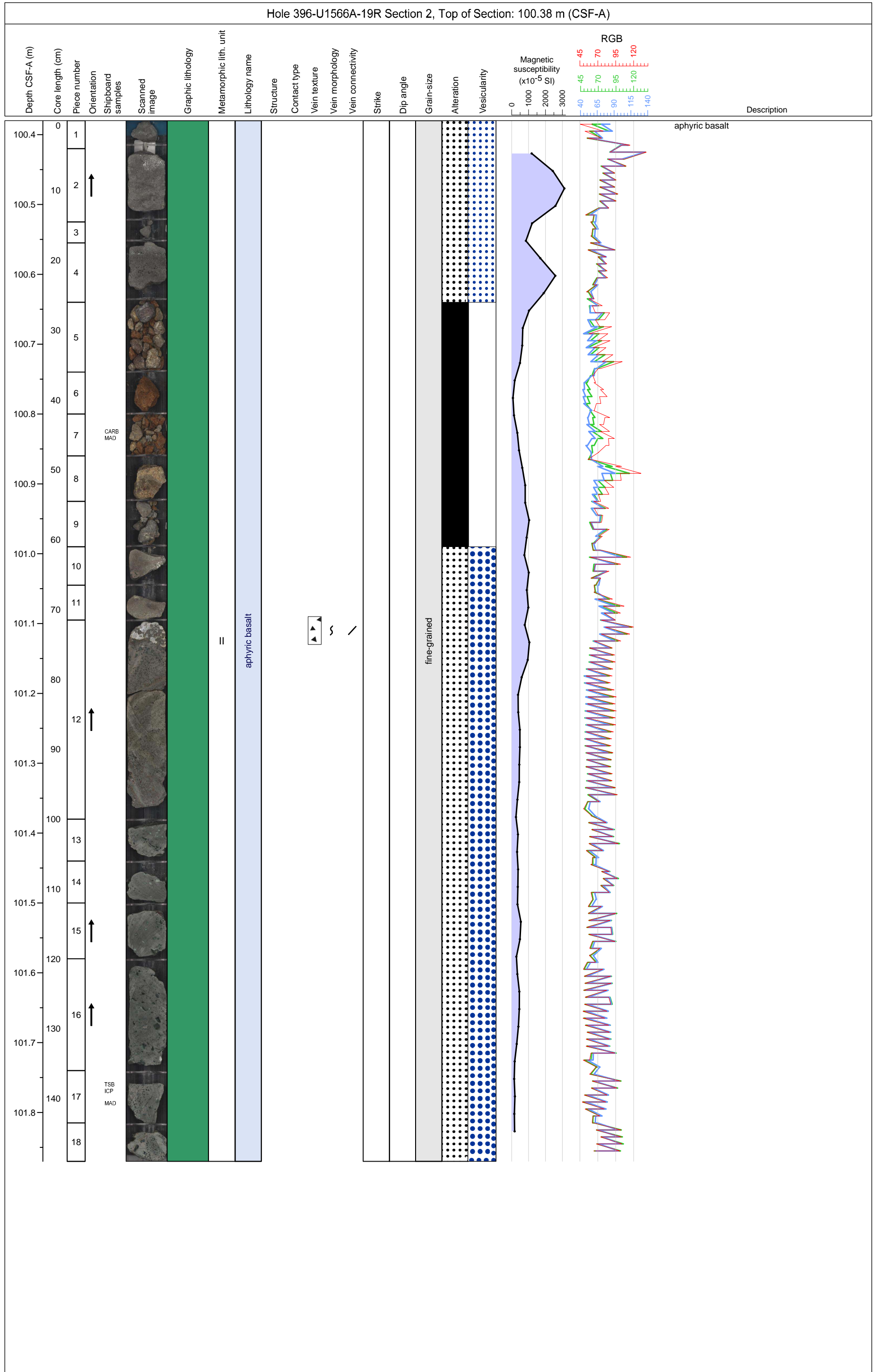


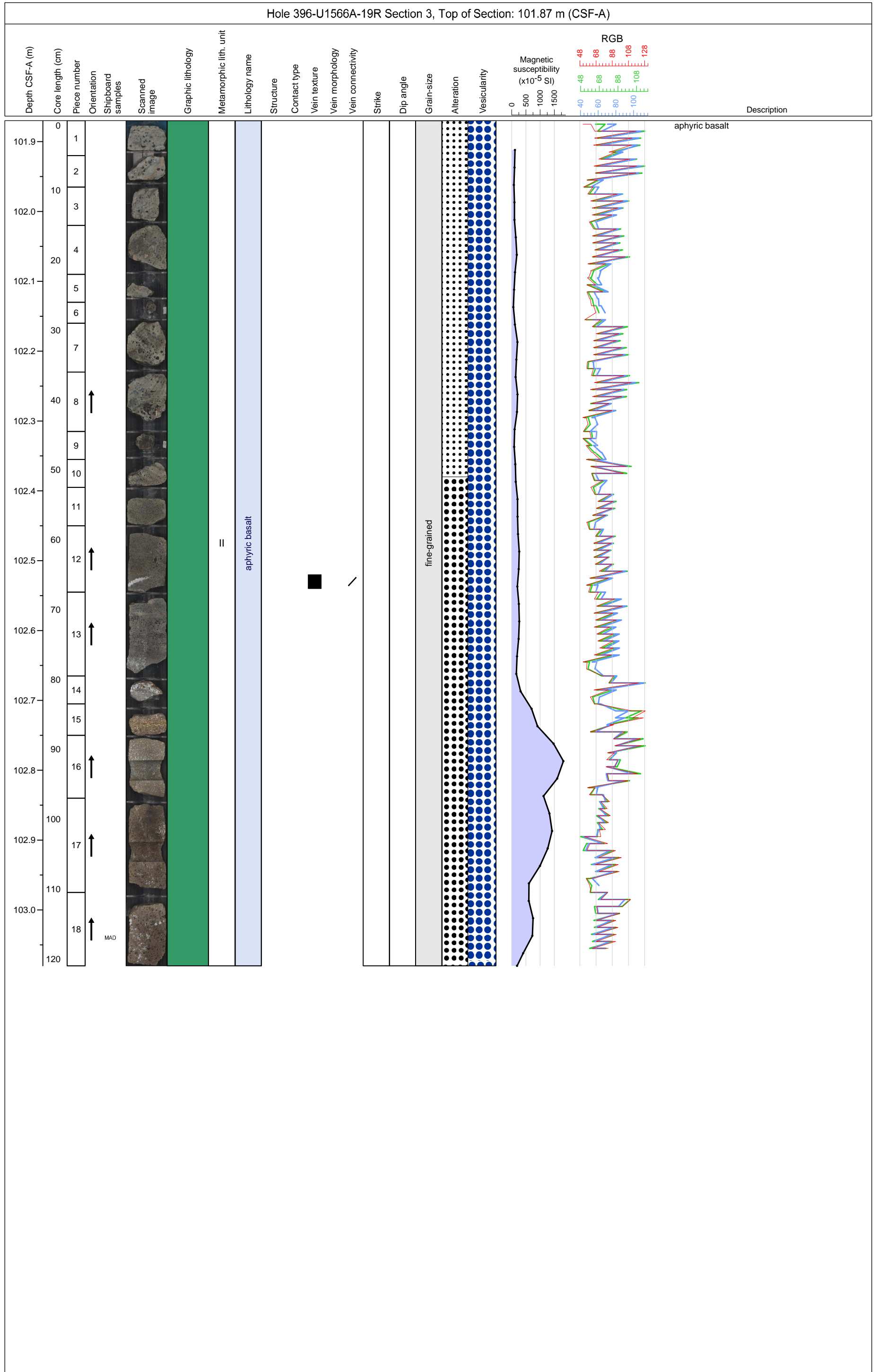


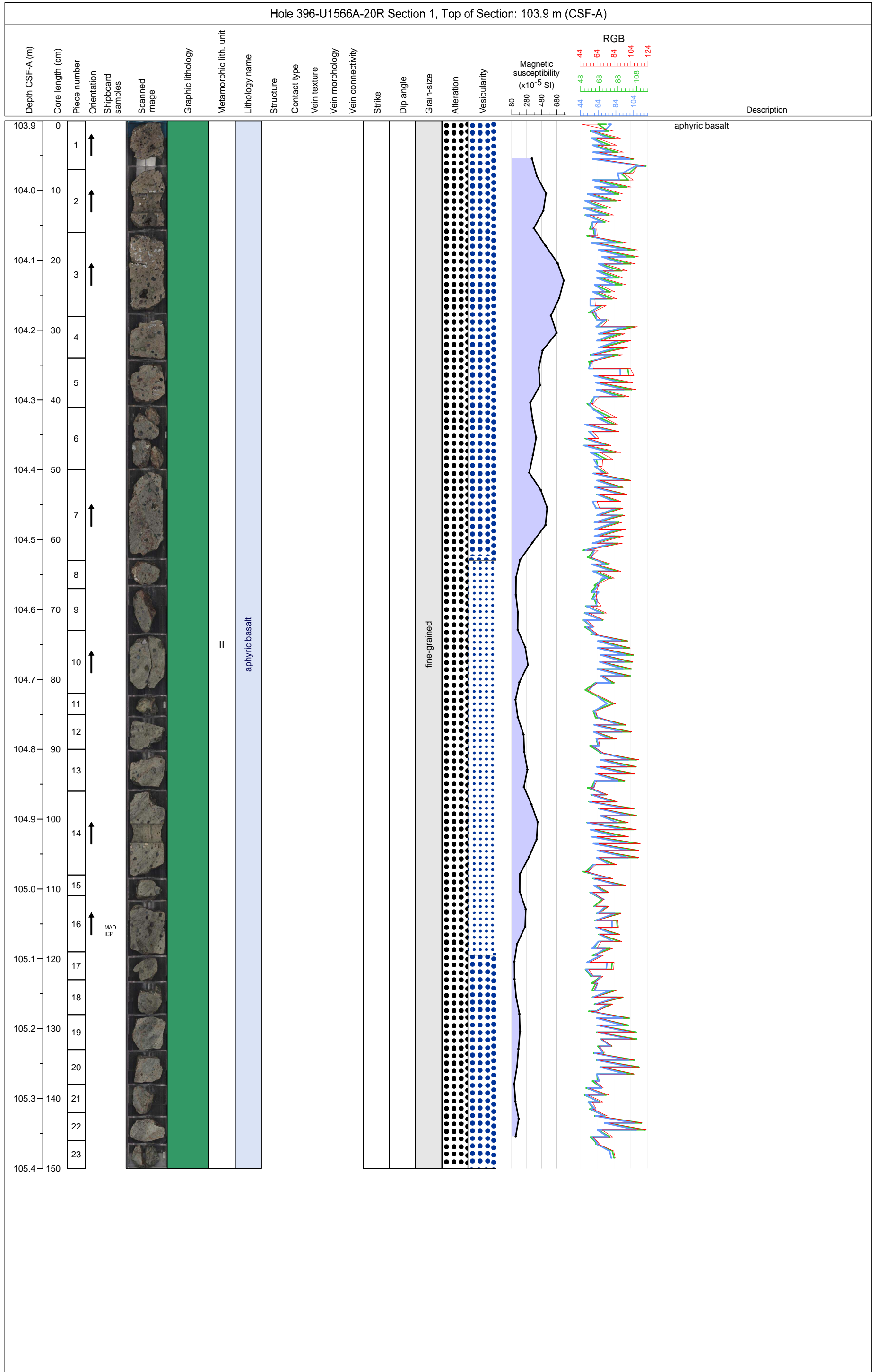


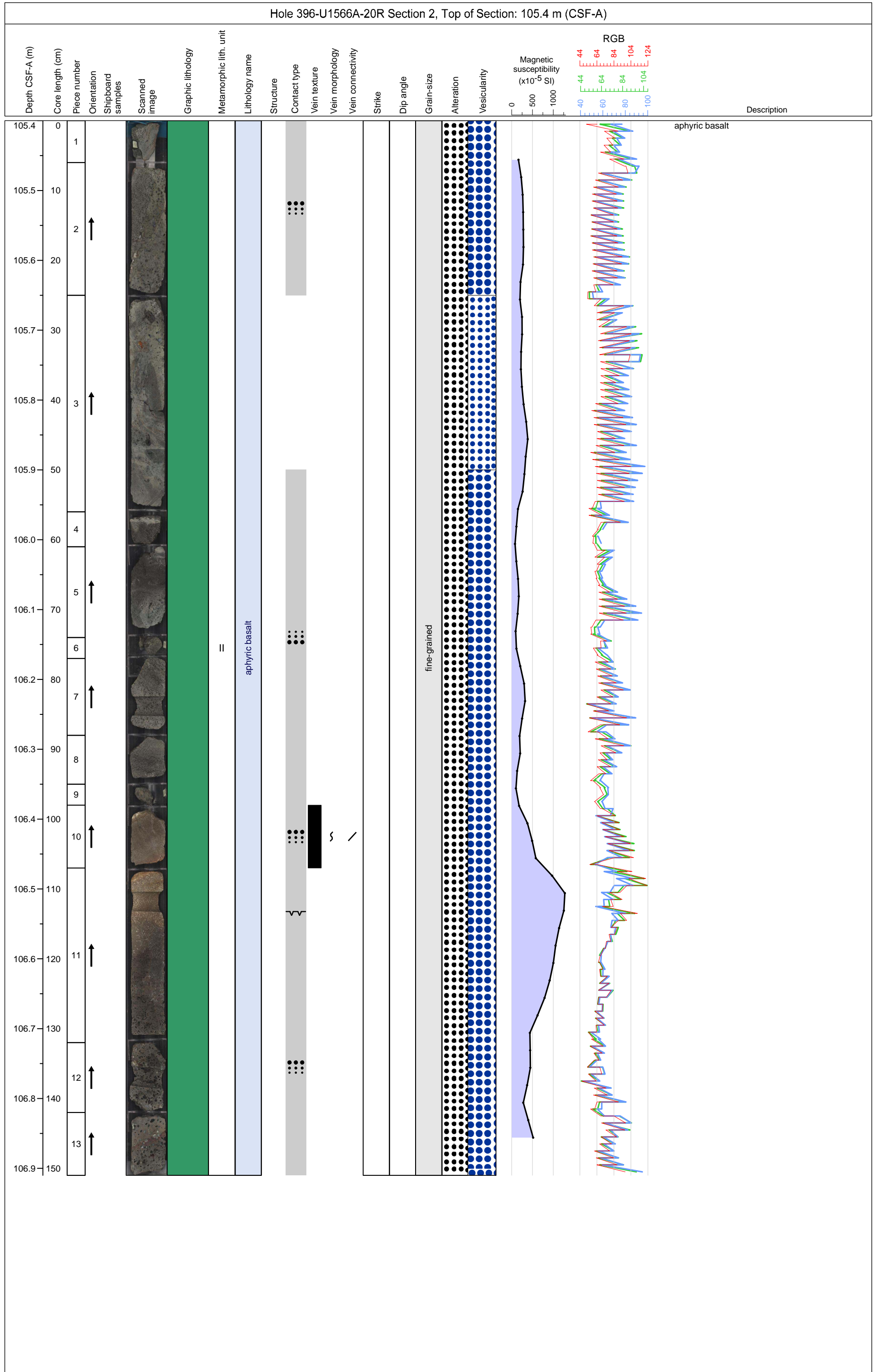


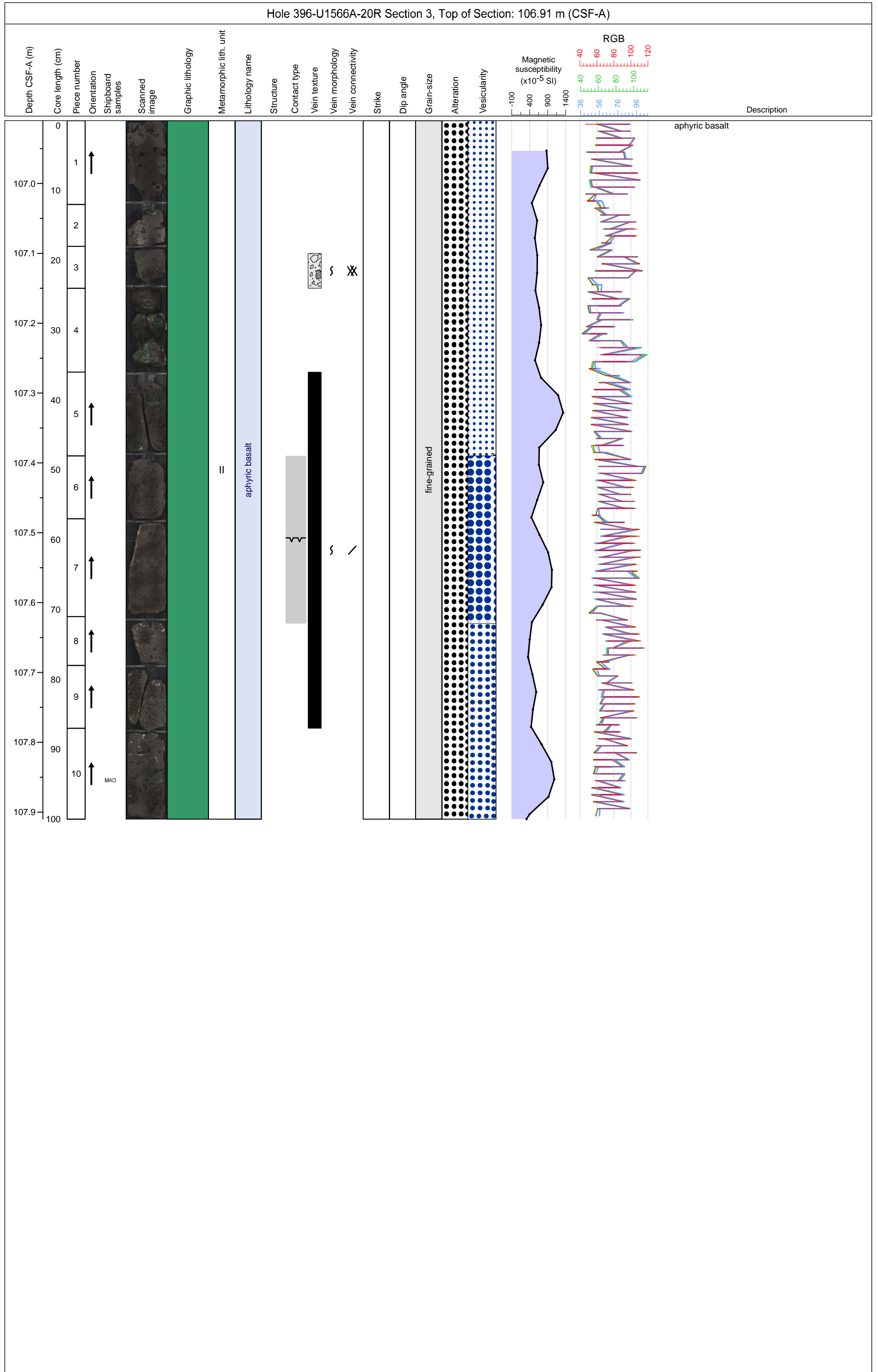


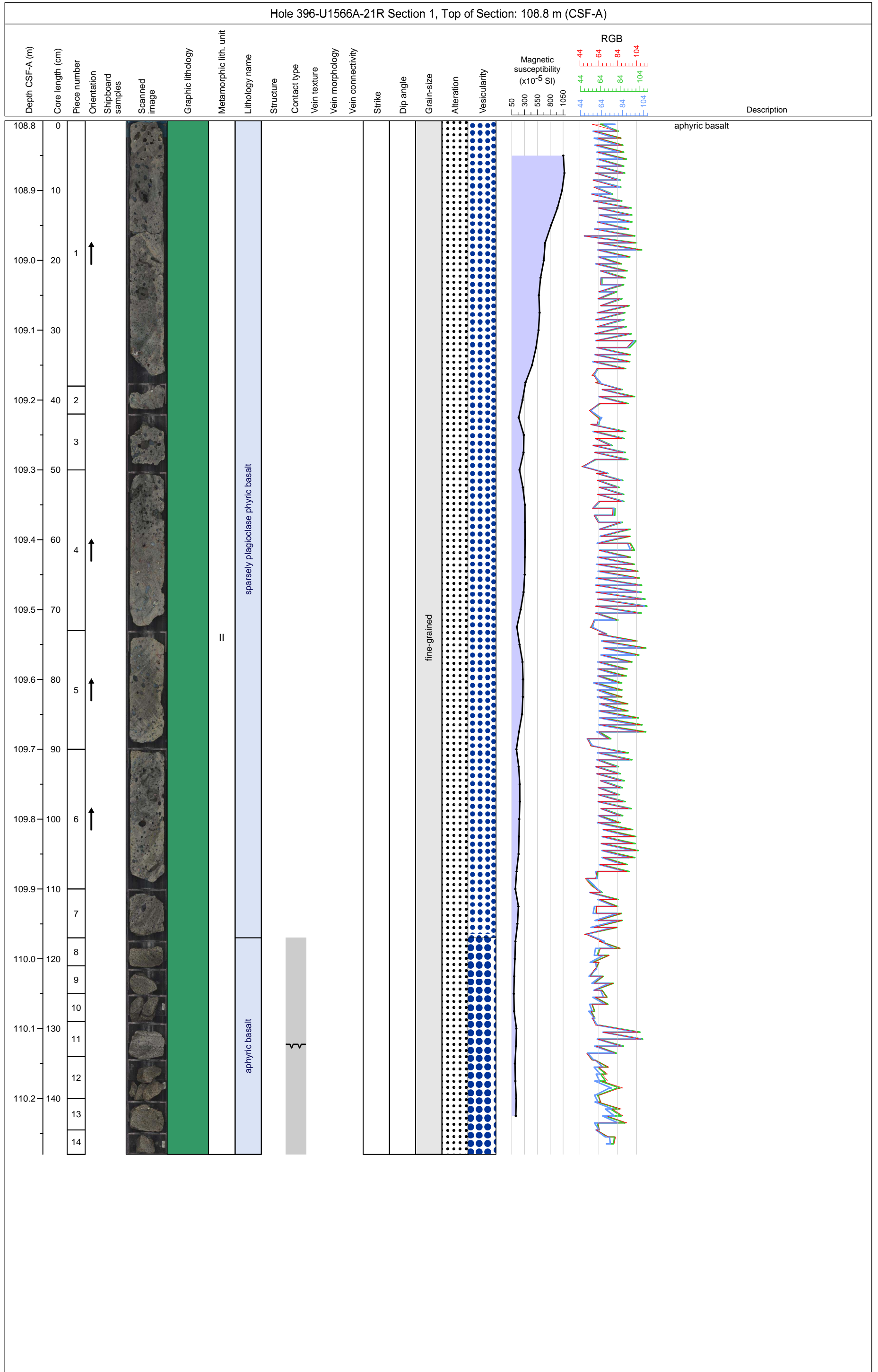


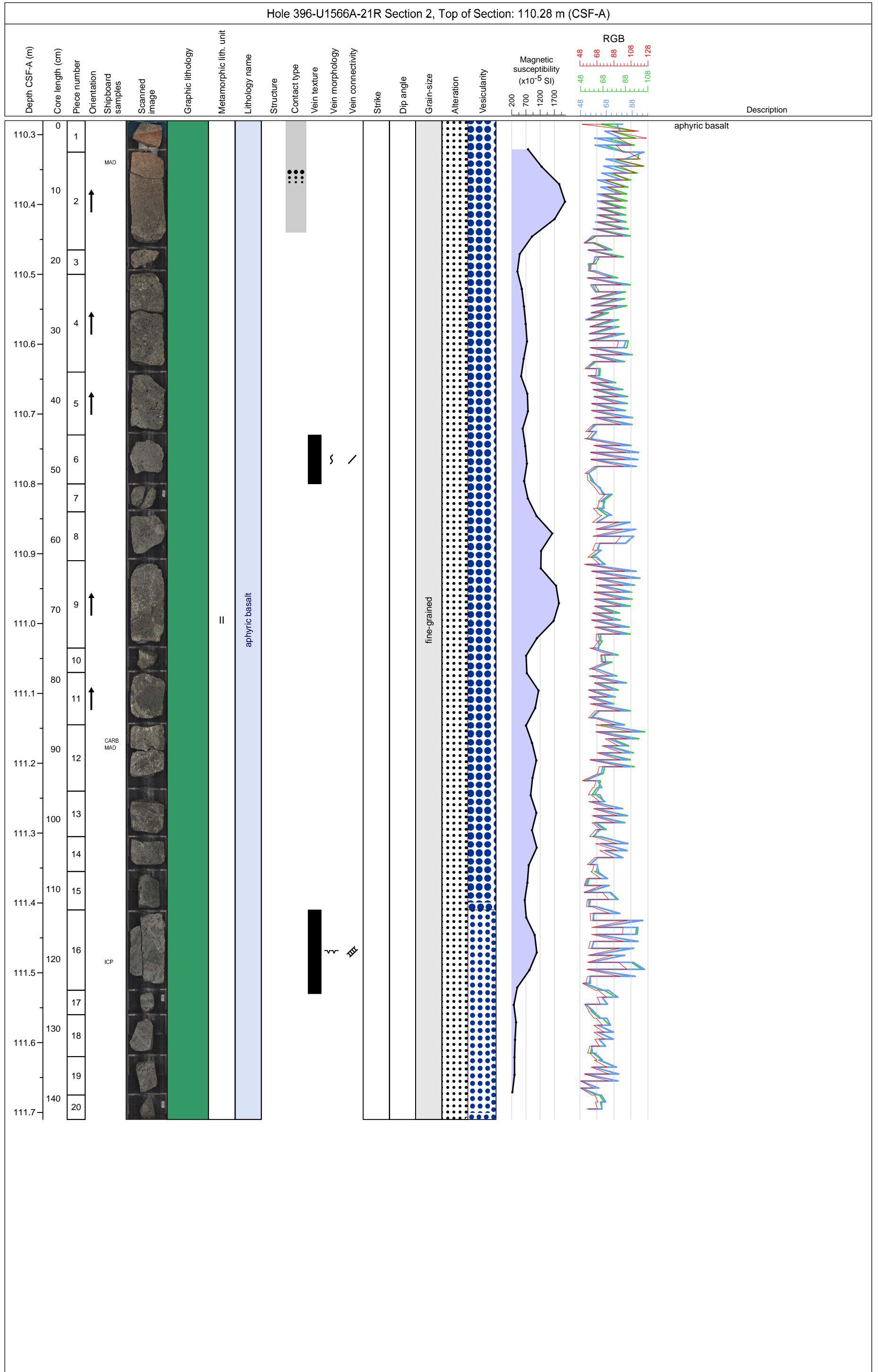


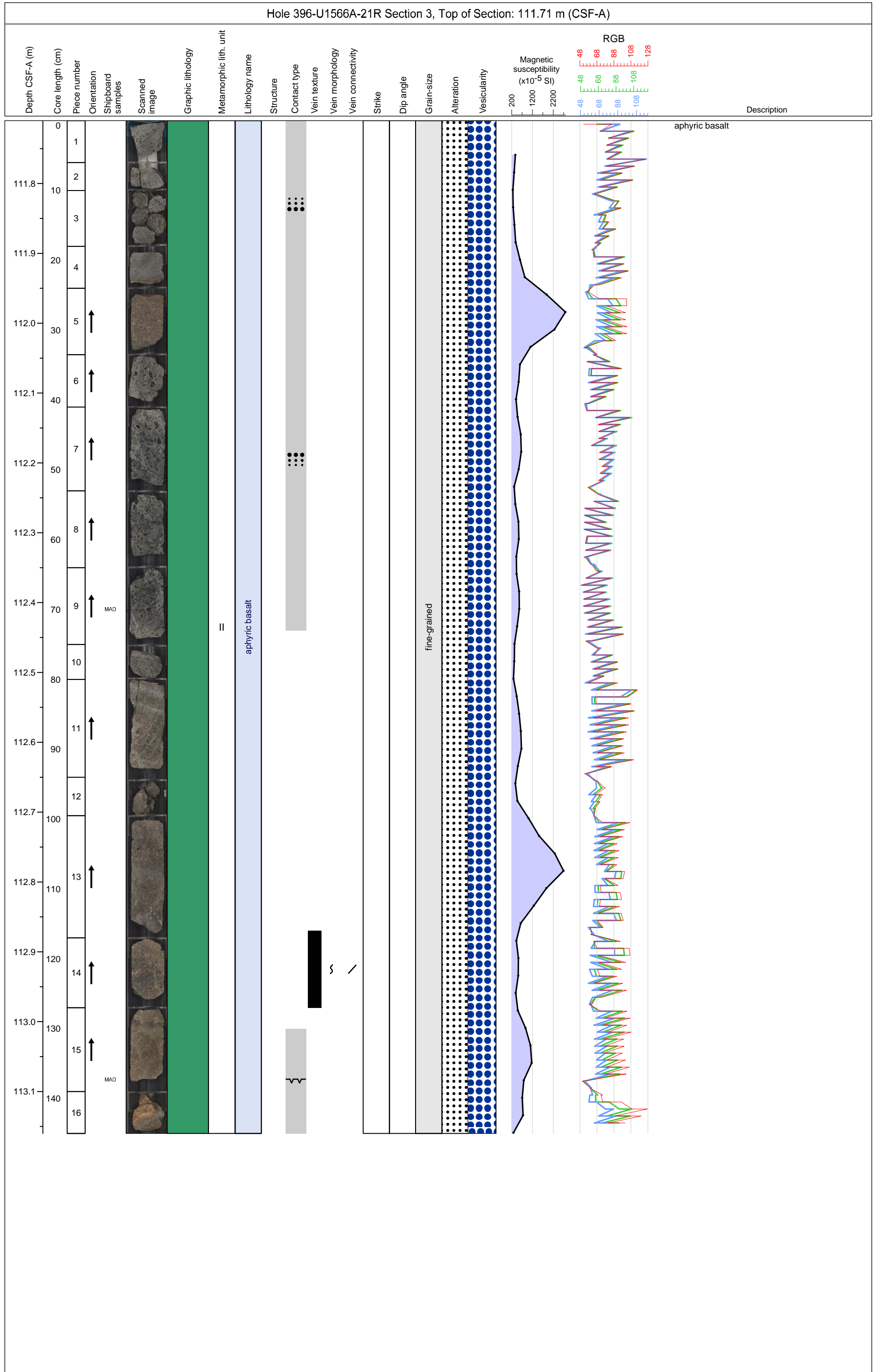


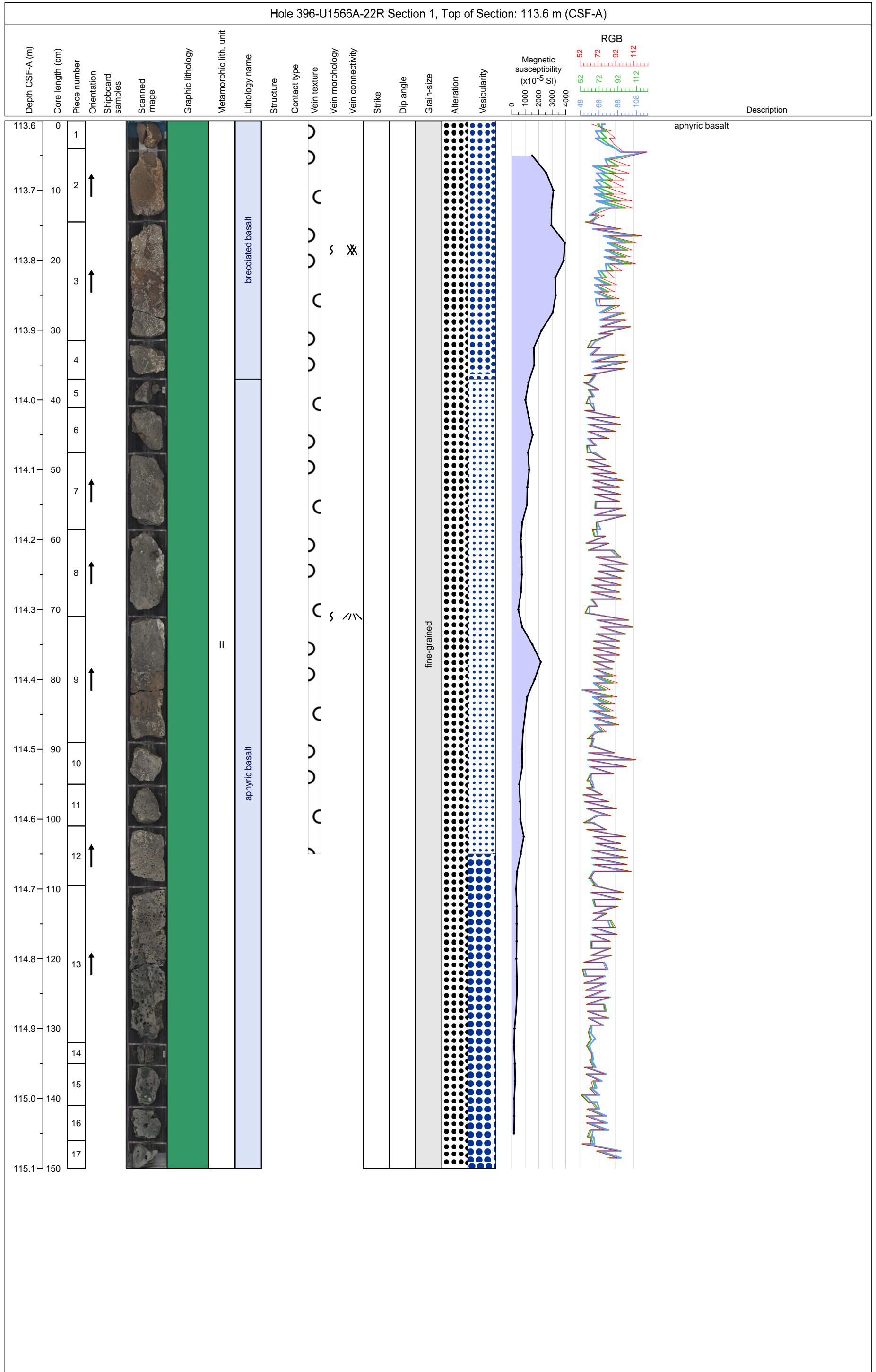


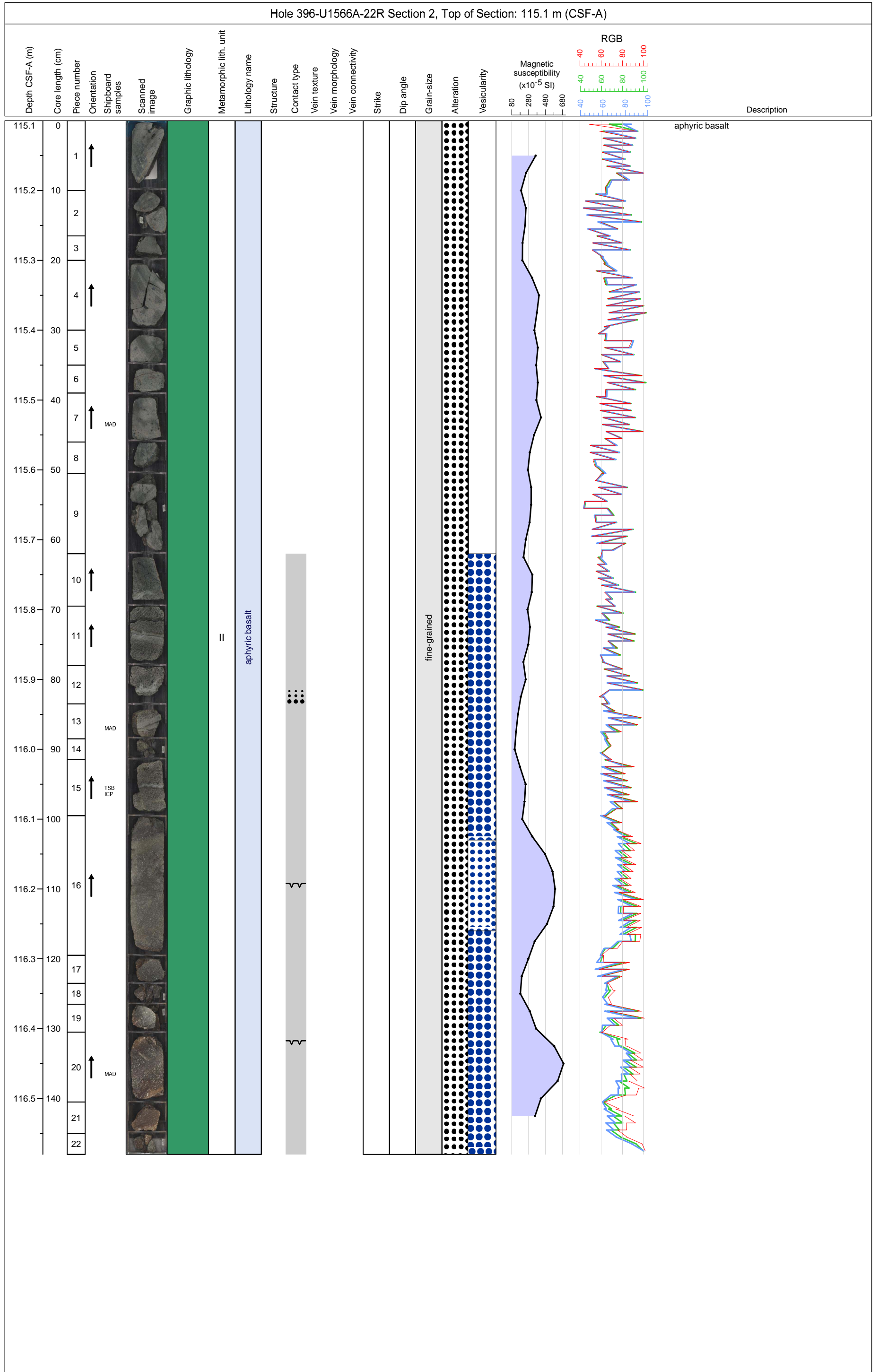


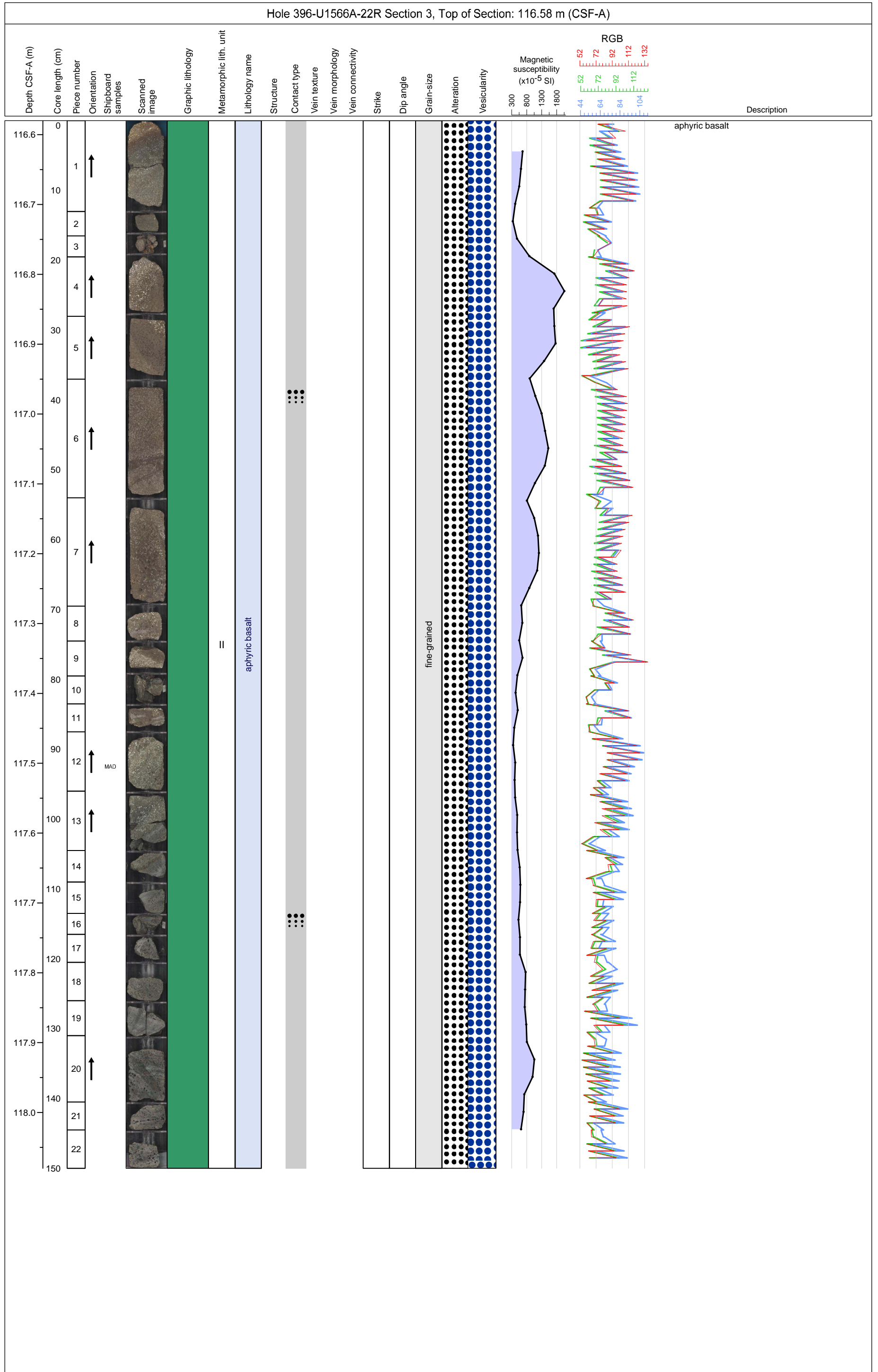


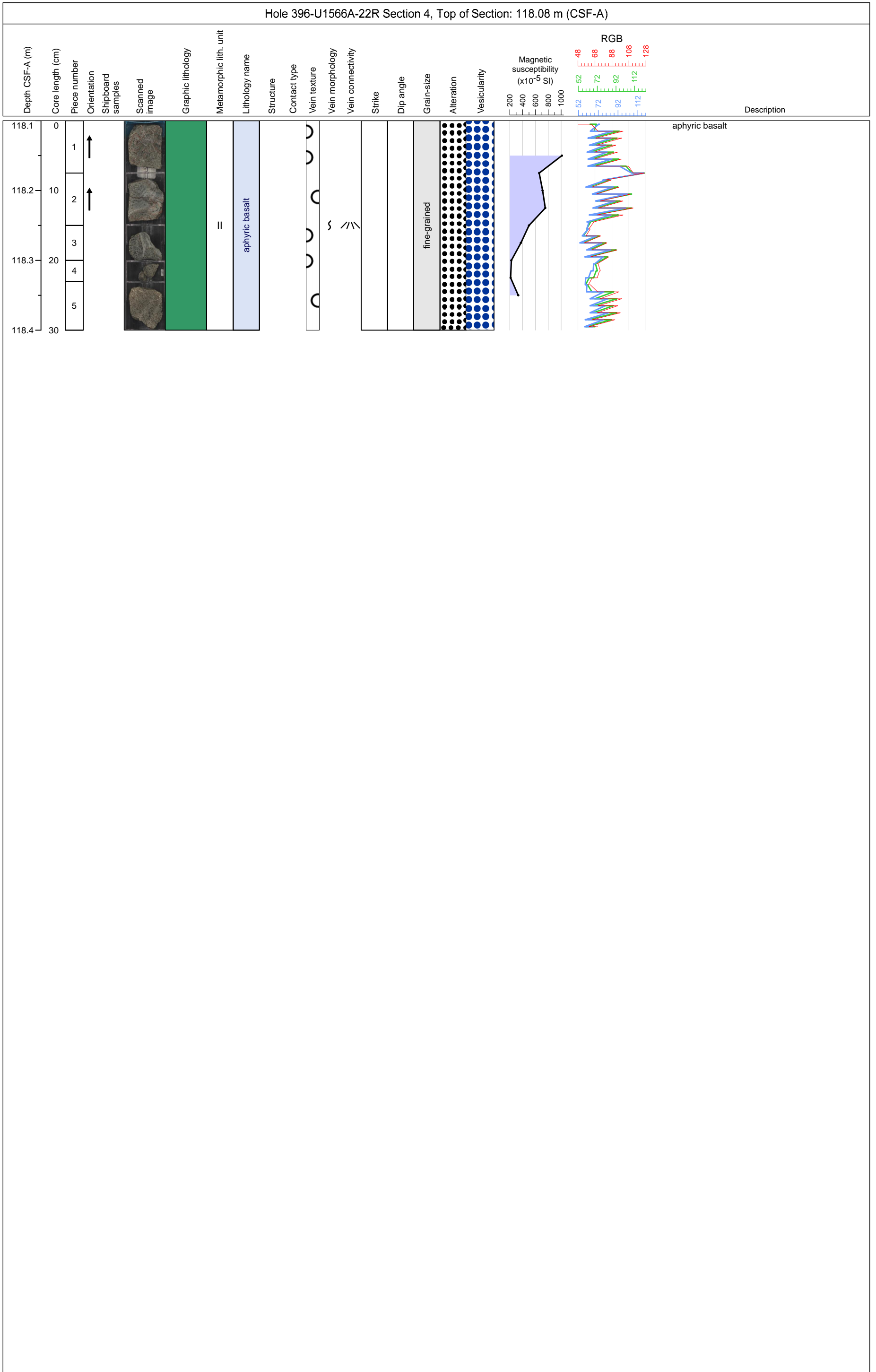


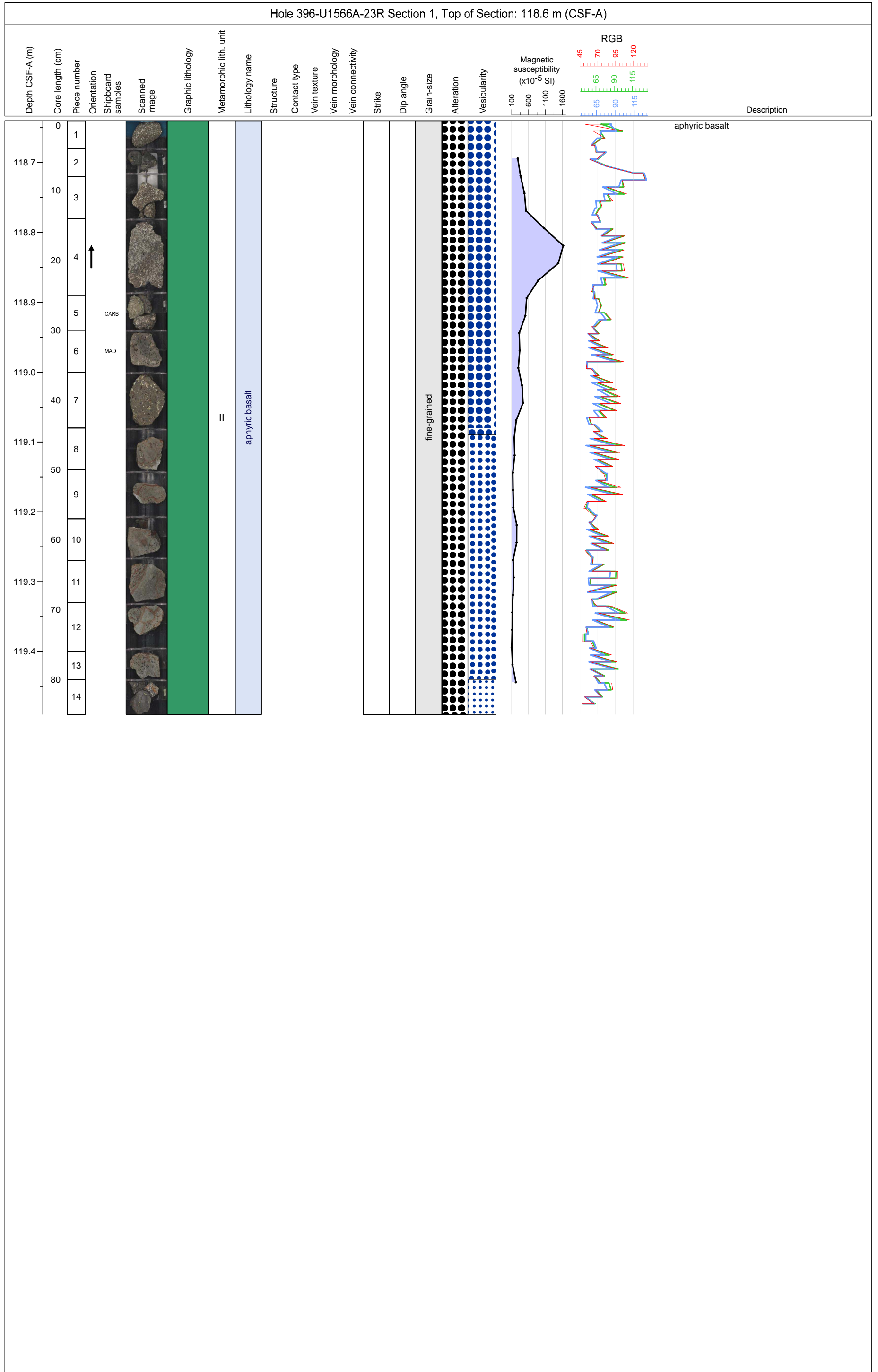






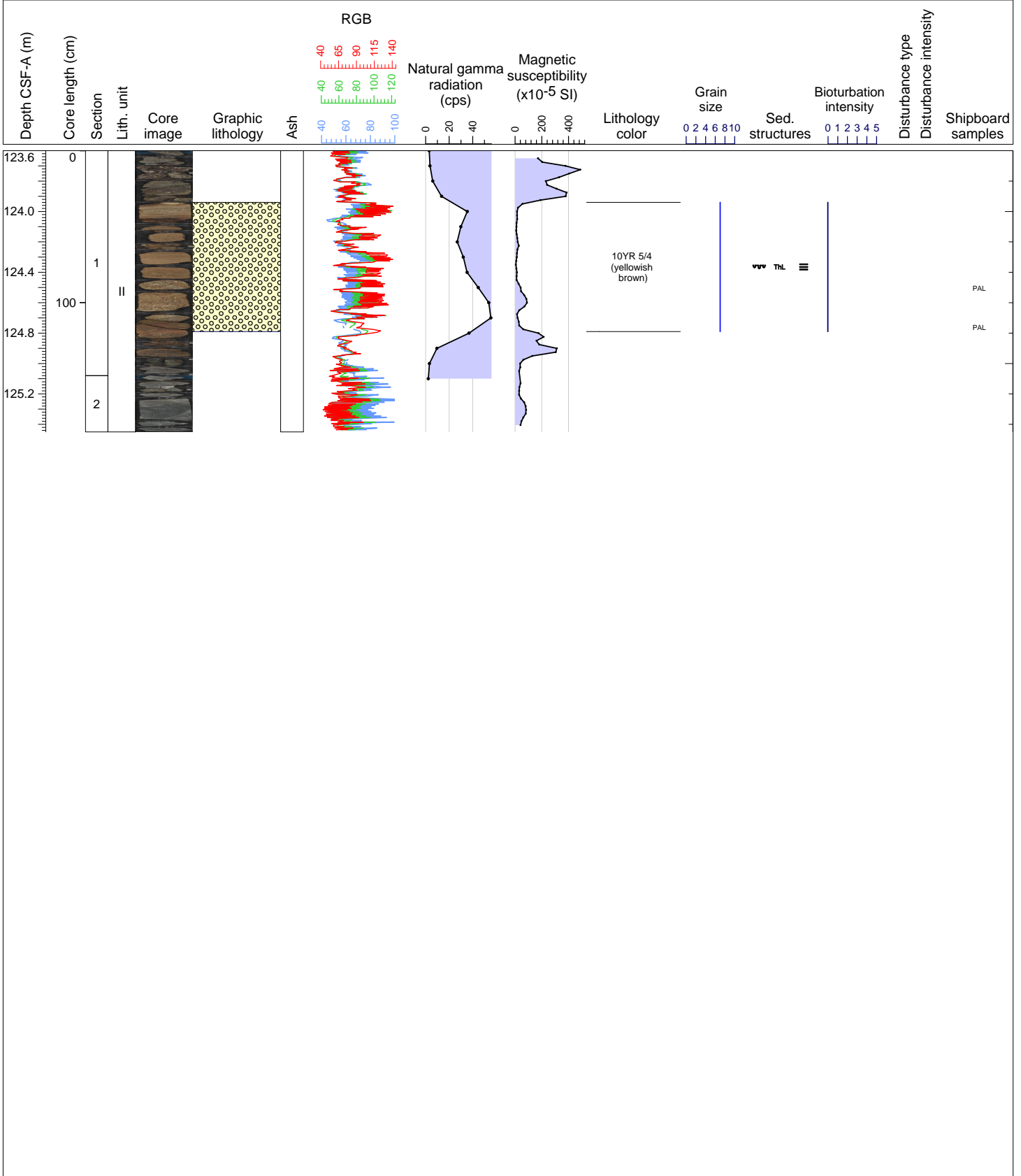


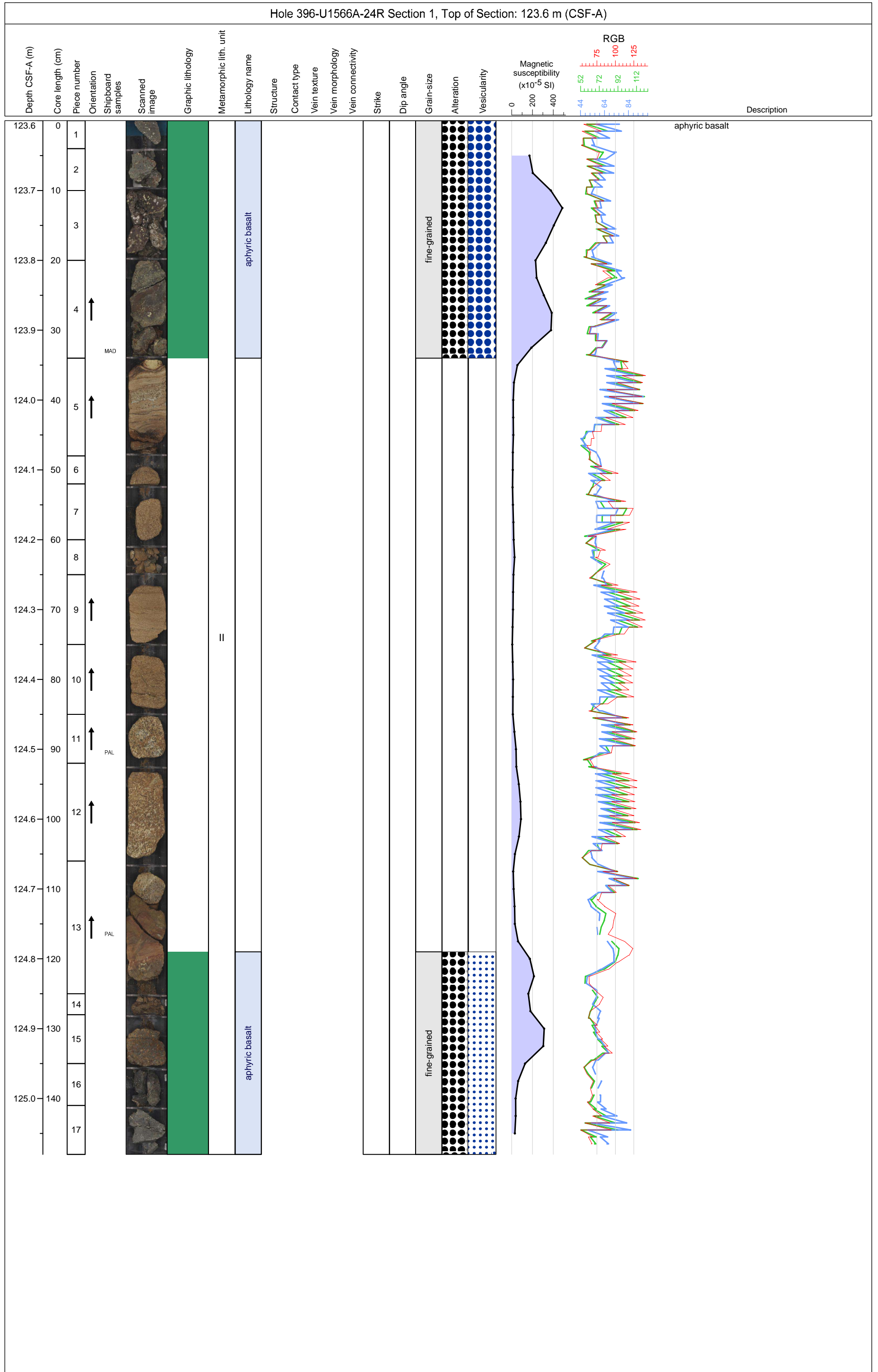


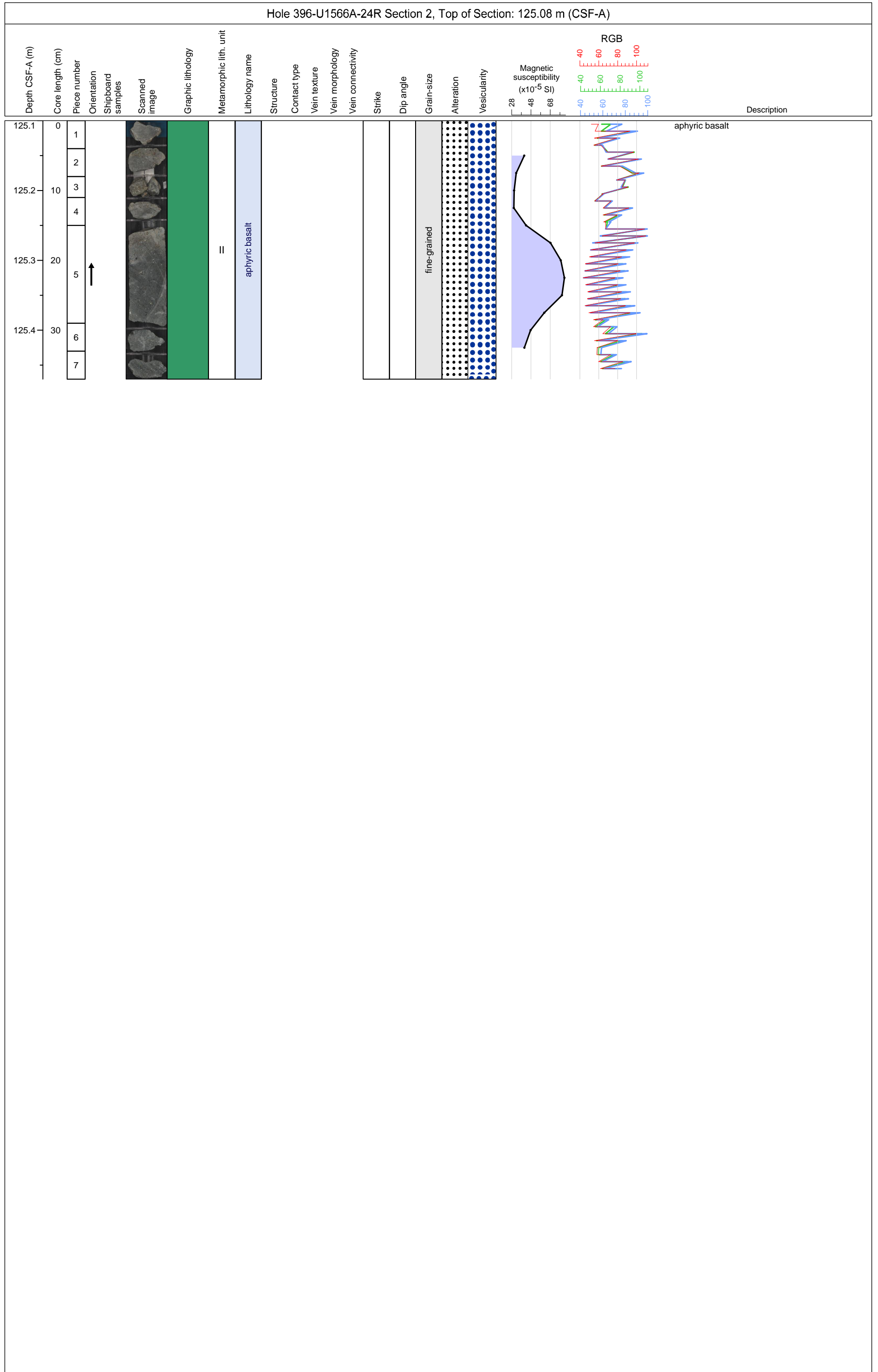


Hole 396-U1566A Core 24R, Interval 123.6-125.45 m (CSF-A)

This core consists of alternating cm to meter scale layers of yellowish brown (10YR 5/4) clay-rich SANDSTONE and bluish gray (GLEY2 5/10) aphyric BASALT sparsely to highly vesicular altered to clay minerals with some calcite vesicle fill. A minimum of two lava flows are identified.

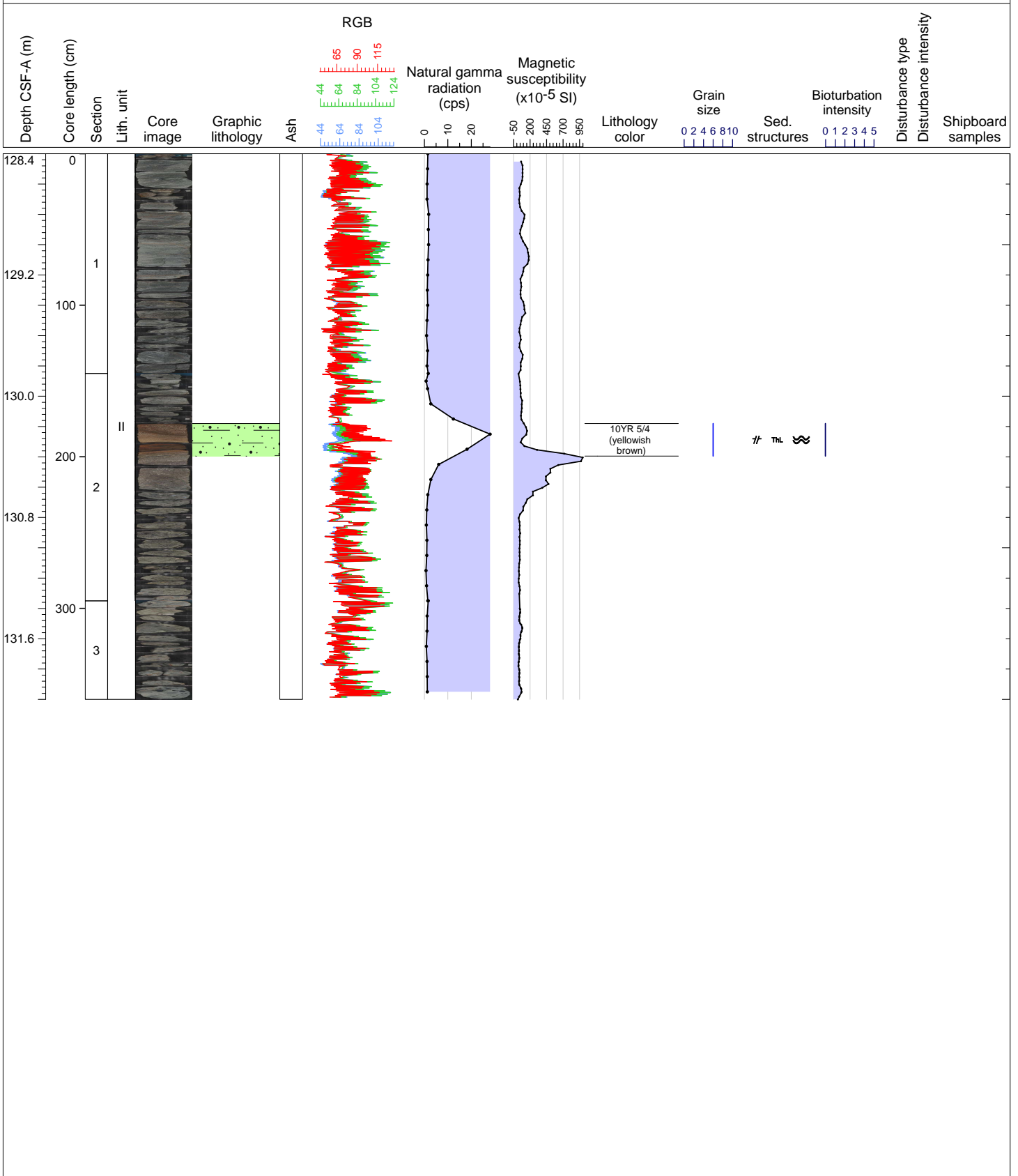


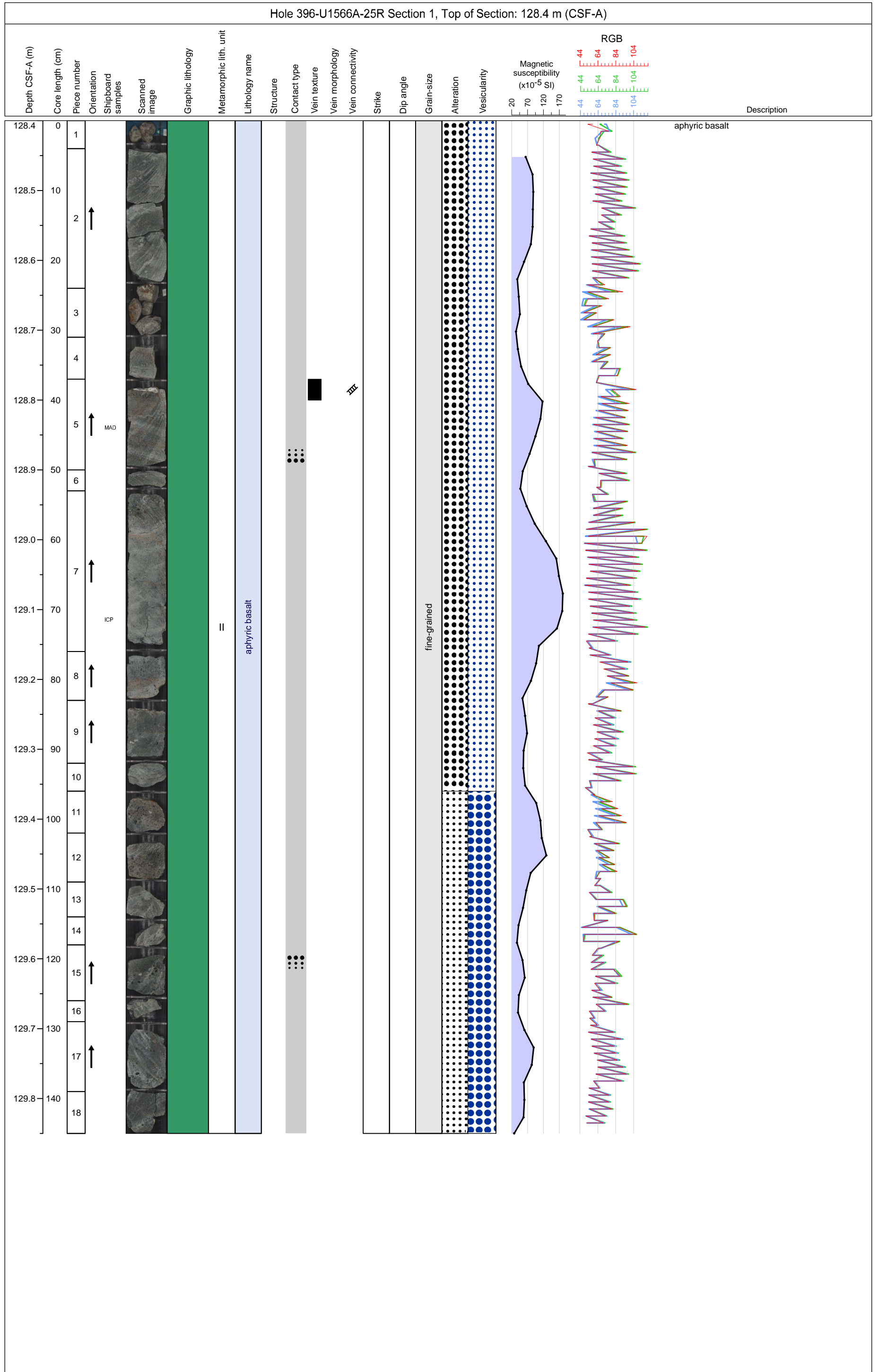


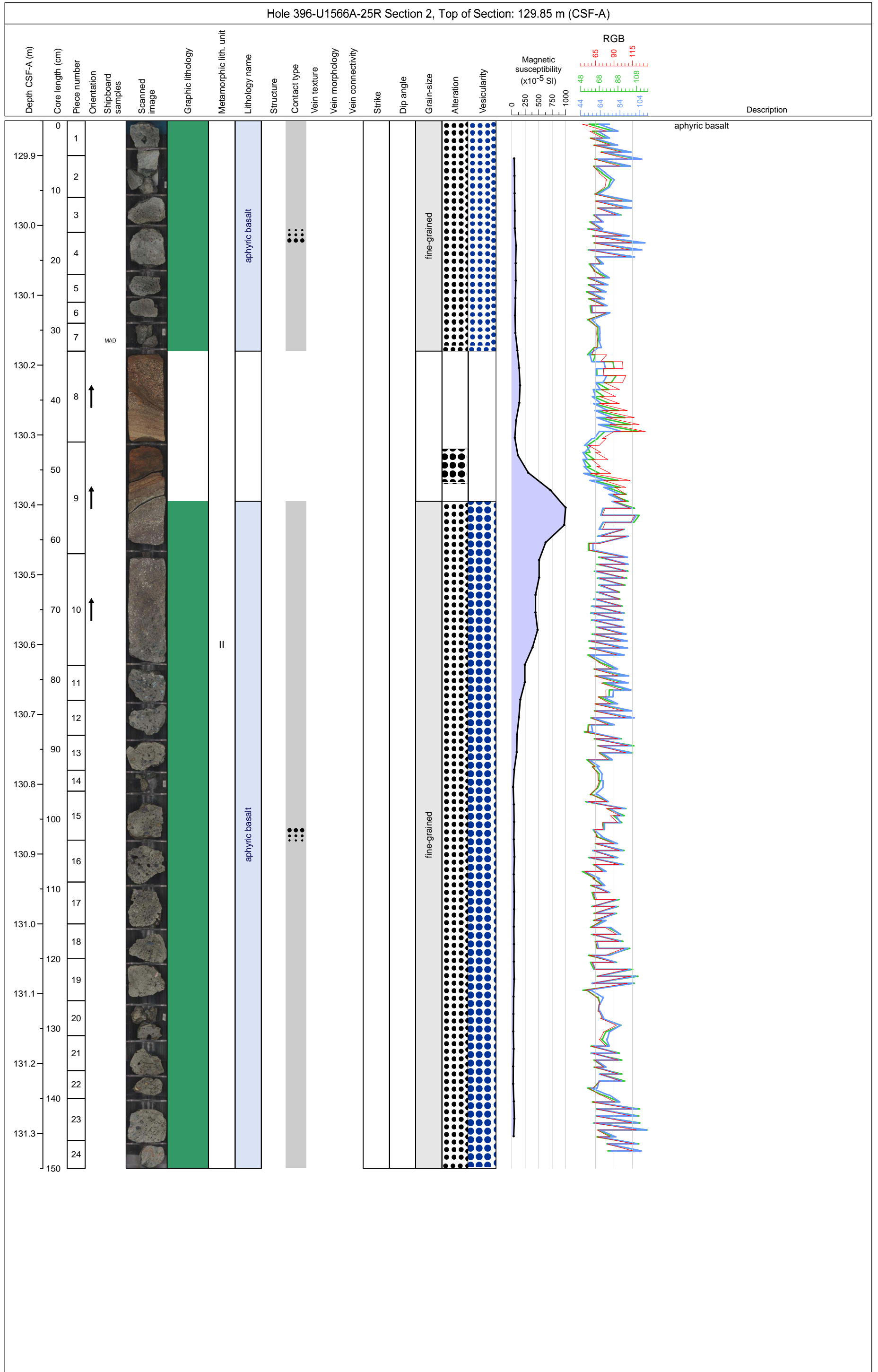


Hole 396-U1566A Core 25R, Interval 128.4-132.0 m (CSF-A)

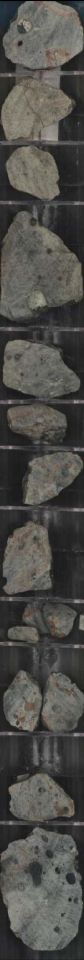

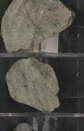
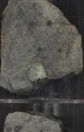
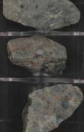

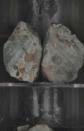
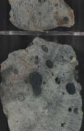
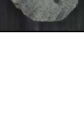




This core consists of bluish gray (GLEY 2 5/5B) aphyric BASALT moderately to highly vesicular altered to clay minerals with a layer of yellowish brown (10YR 5/4) clay-rich SANDSTONE in section 2. A minimum of two lava flows are identified.







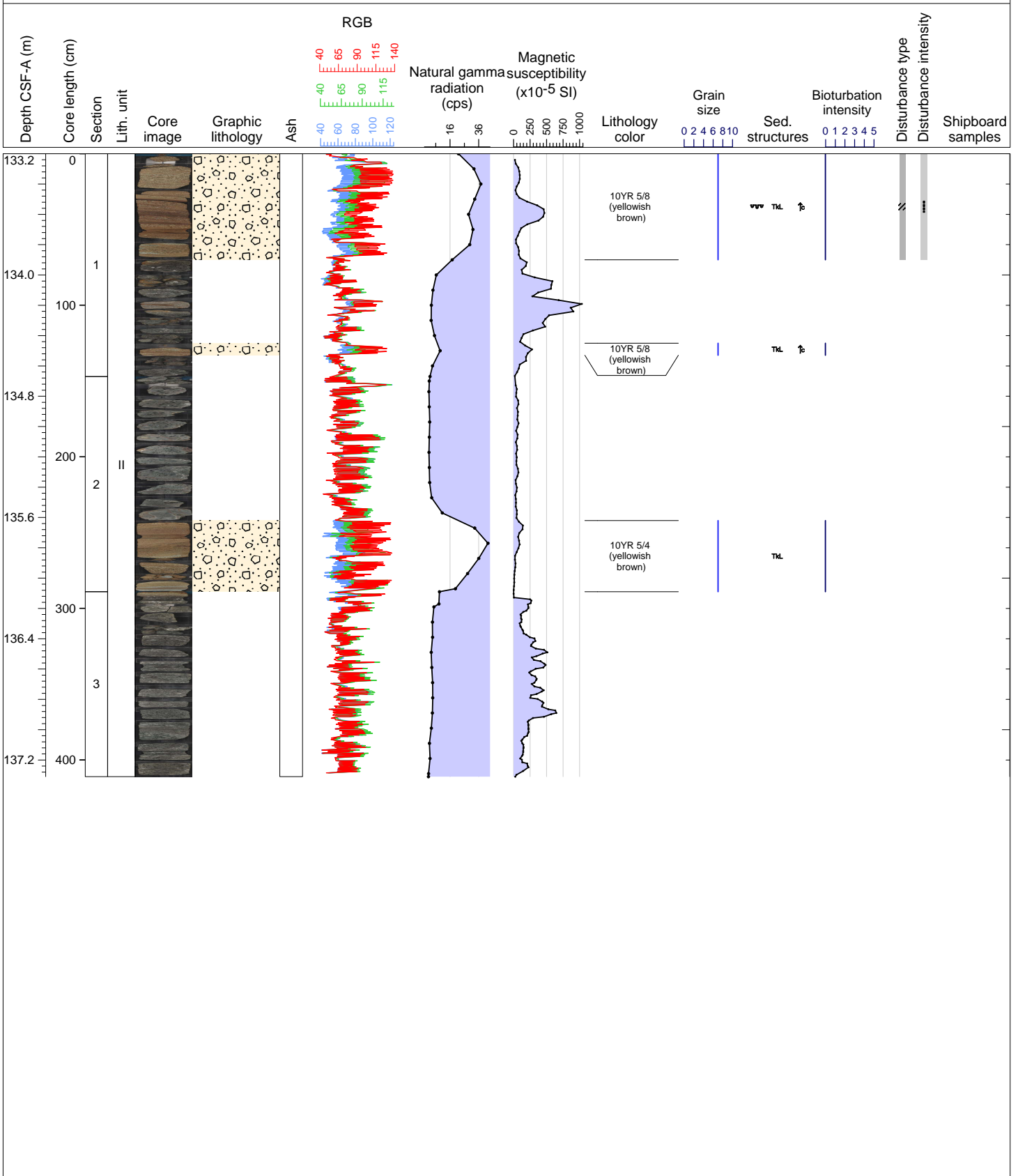
Hole 396-U1566A-25R Section 3, Top of Section: 131.35 m (CSF-A)

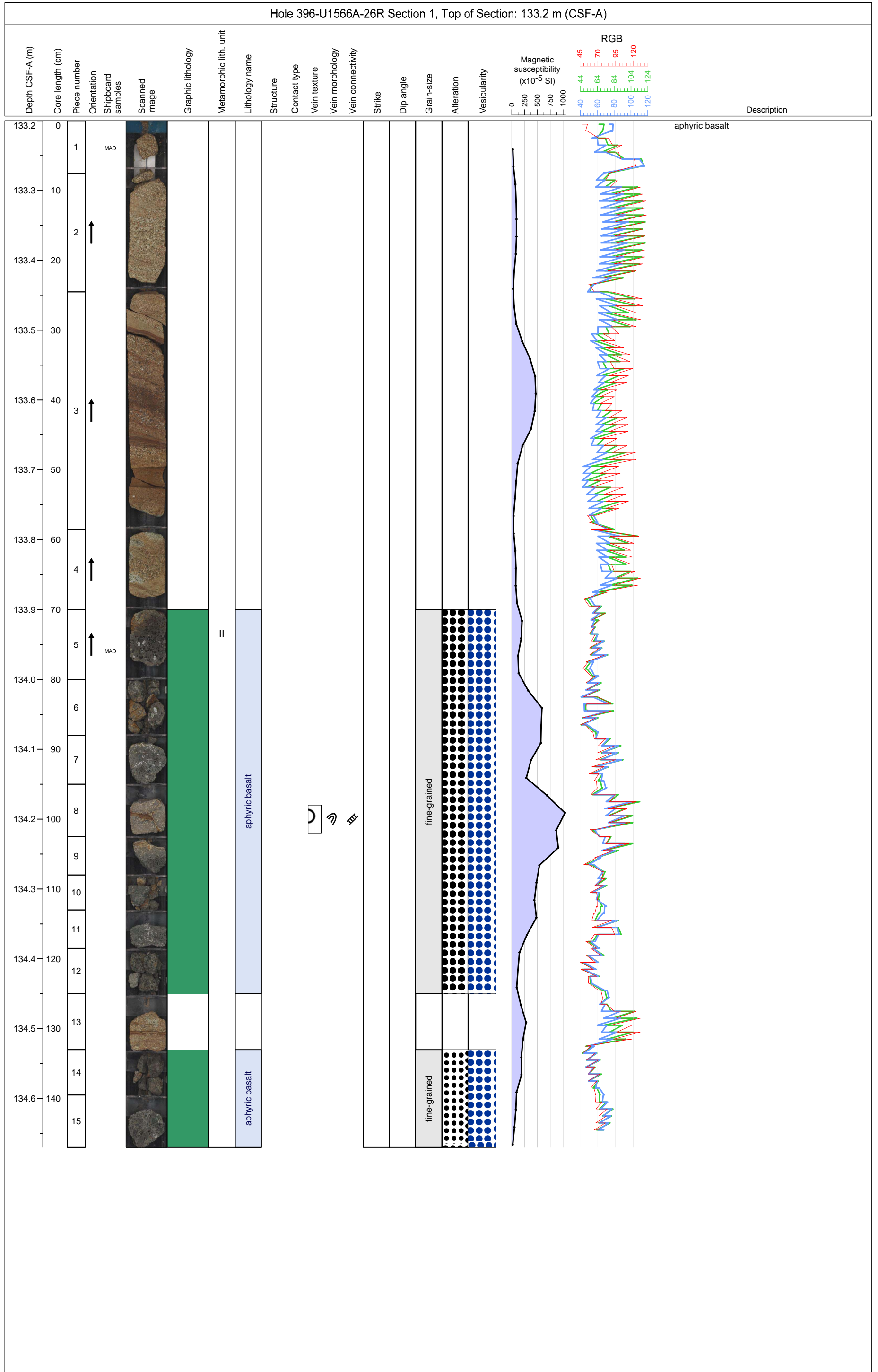
| Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Metamorphic lith. unit | Lithology name | Structure | Contact type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Grain-size | Alteration | Vesicularity | Magnetic susceptibility ($\times 10^{-5}$ SI) | RGB | Description |
|-----------------|------------------|--------------|-------------|-------------------|---|--|------------------------|----------------|-----------|--------------|--------------|-----------------|-------------------|--------|-----------|------------|------------|--------------|--|-----|-------------|
| 0 | | 1 | | |  |  | | | | | | | | | | | | | | | |
| 131.4 | | 2 | | |  | | | | | | | | | | | | | | | | |
| 10 | | 3 | | |  | | | | | | | | | | | | | | | | |
| 131.5 | | 4 | | |  | | | | | | | | | | | | | | | | |
| 20 | | 5 | | |  | | | | | | | | | | | | | | | | |
| 131.6 | | 6 | | |  | | | | | | | | | | | | | | | | |
| 30 | | 7 | | |  | | | | | | | | | | | | | | | | |
| 131.7 | | 8 | | |  | | | | | | | | | | | | | | | | |
| 40 | | 9 | | |  | | | | | | | | | | | | | | | | |
| 131.8 | | 10 | | |  | | | | | | | | | | | | | | | | |
| 50 | | 11 | | |  | | | | | | | | | | | | | | | | |
| 131.9 | | 12 | | |  | | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | | |

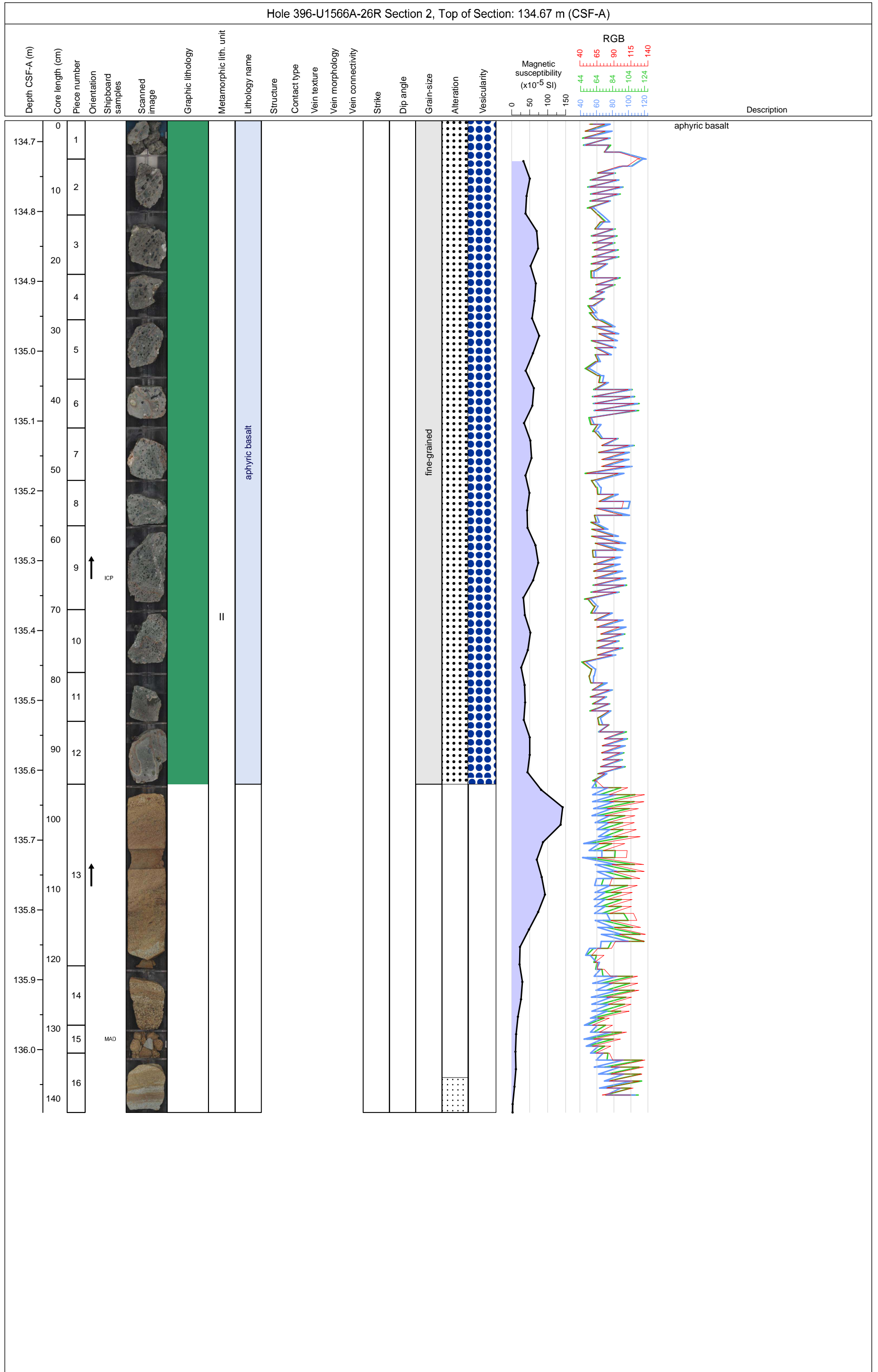
aphyric basalt

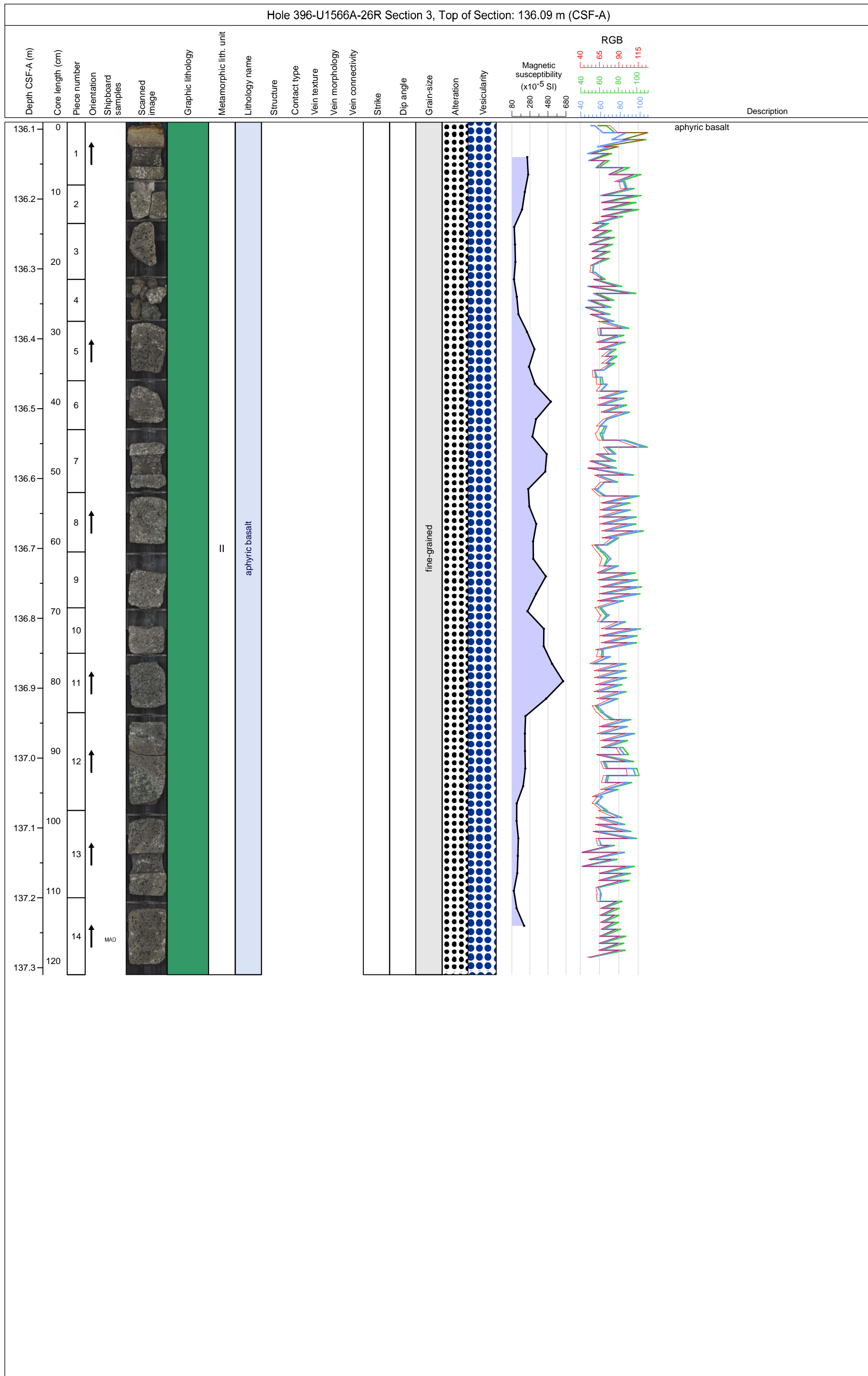
Hole 396-U1566A Core 26R, Interval 133.2-137.31 m (CSF-A)

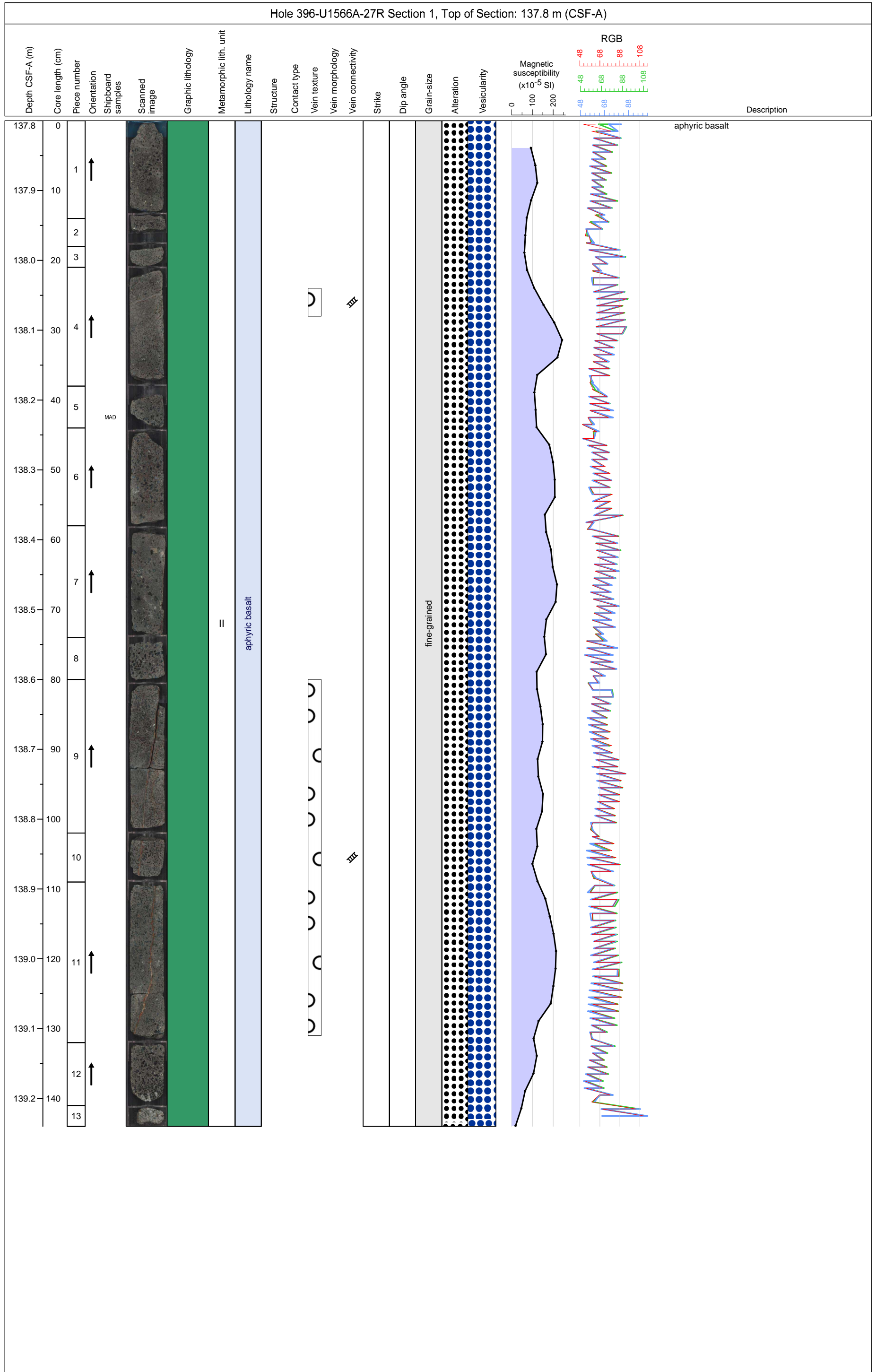
This core consists of alternating cm to meter scale layers of yellowish brown (10YR 5/8) gravelly SANDSTONE with silt and dark gray (GLY 1 4/N) aphyric aphanitic highly vesicular BASALT moderately altered to clay minerals with some calcite vesicle fill. A minimum of three lava flows are identified.

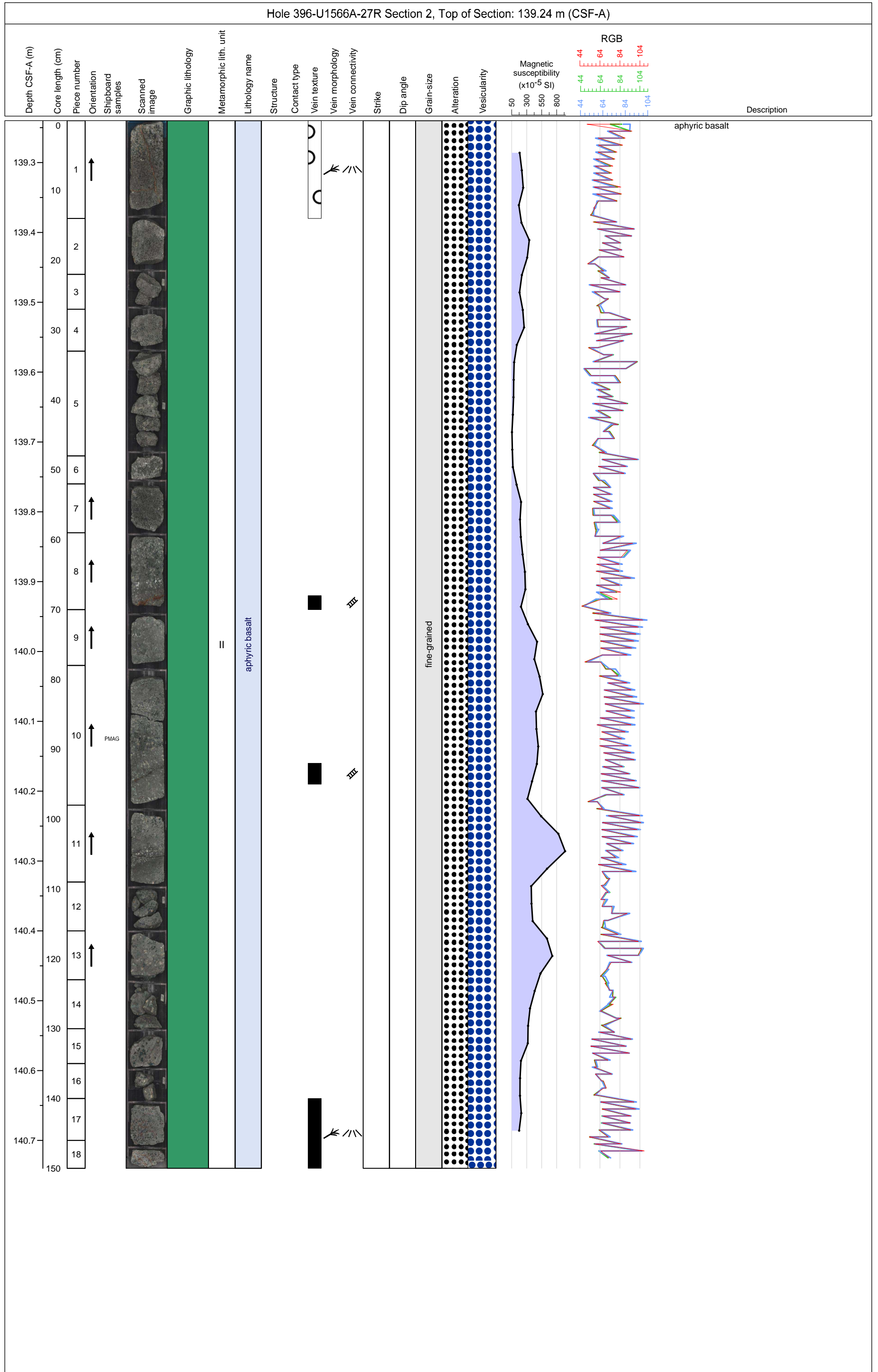


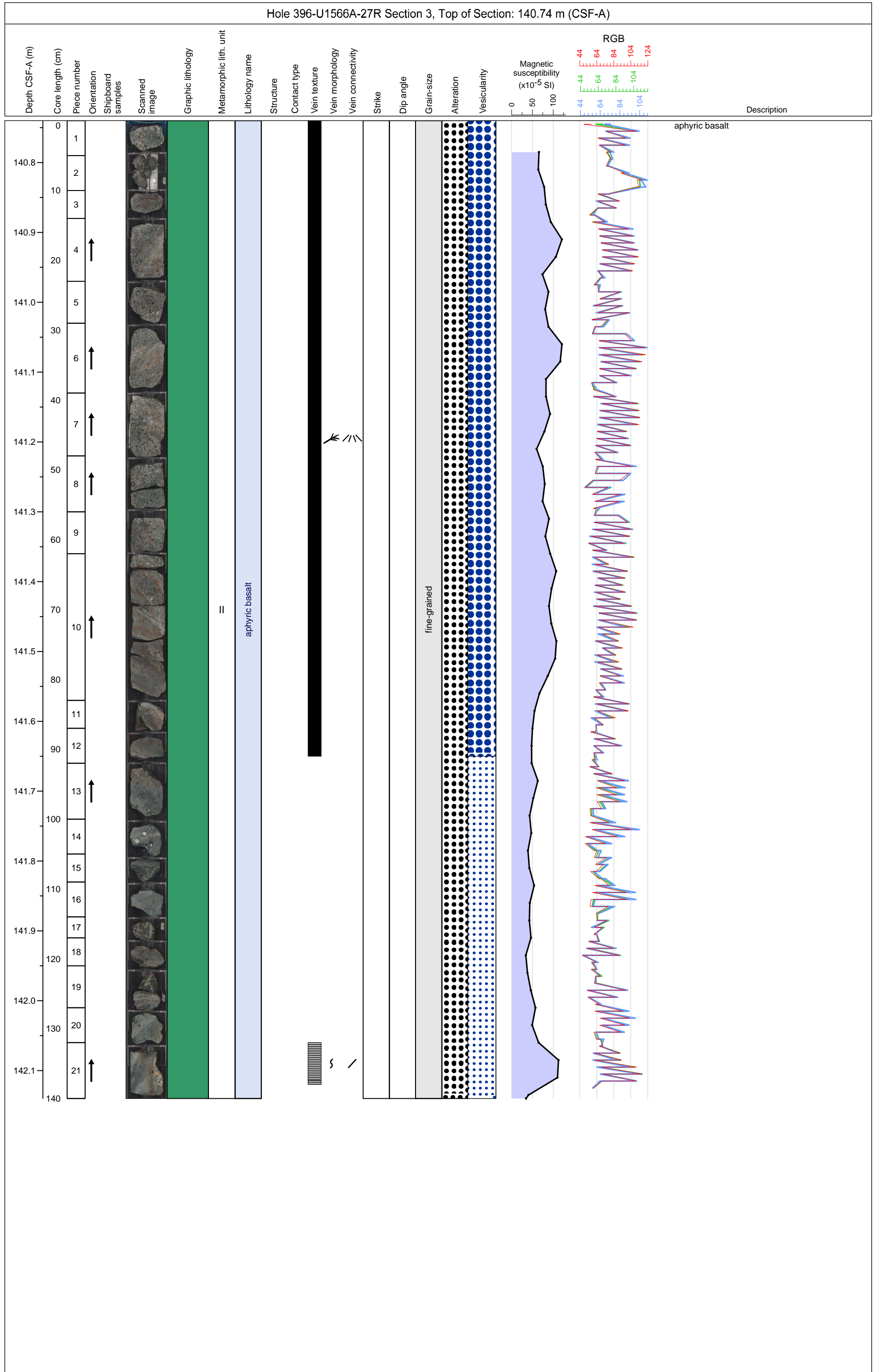


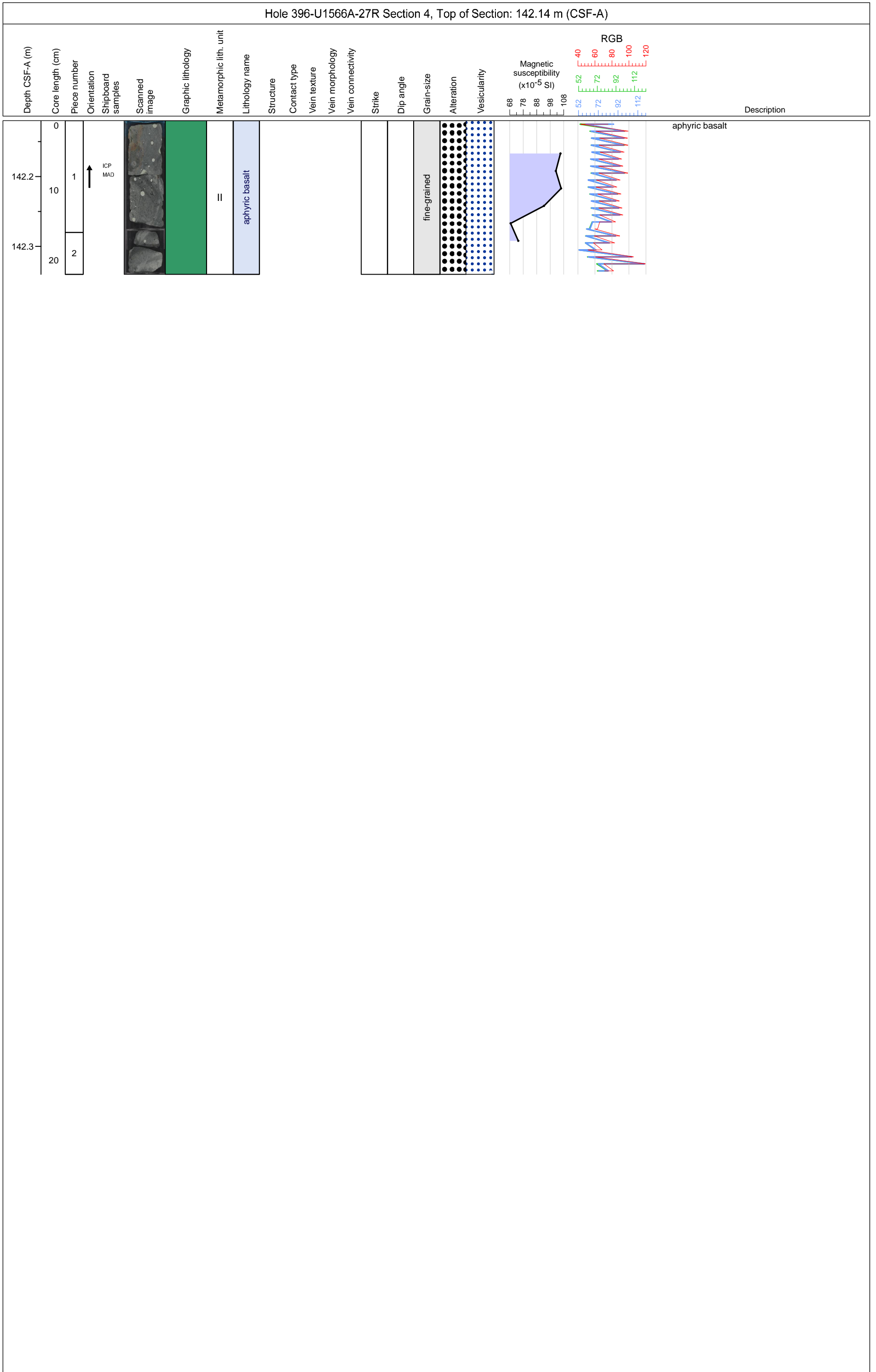






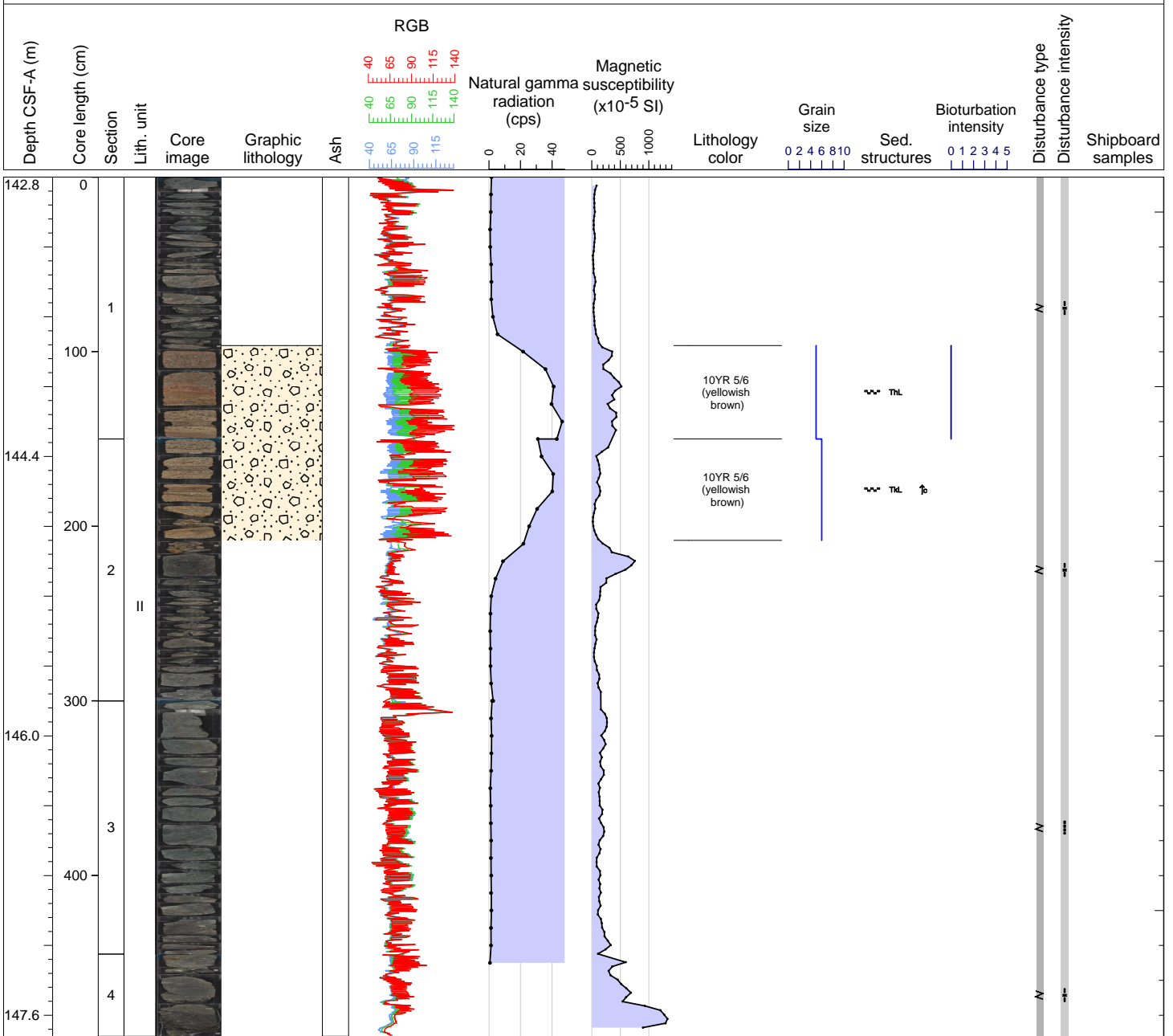


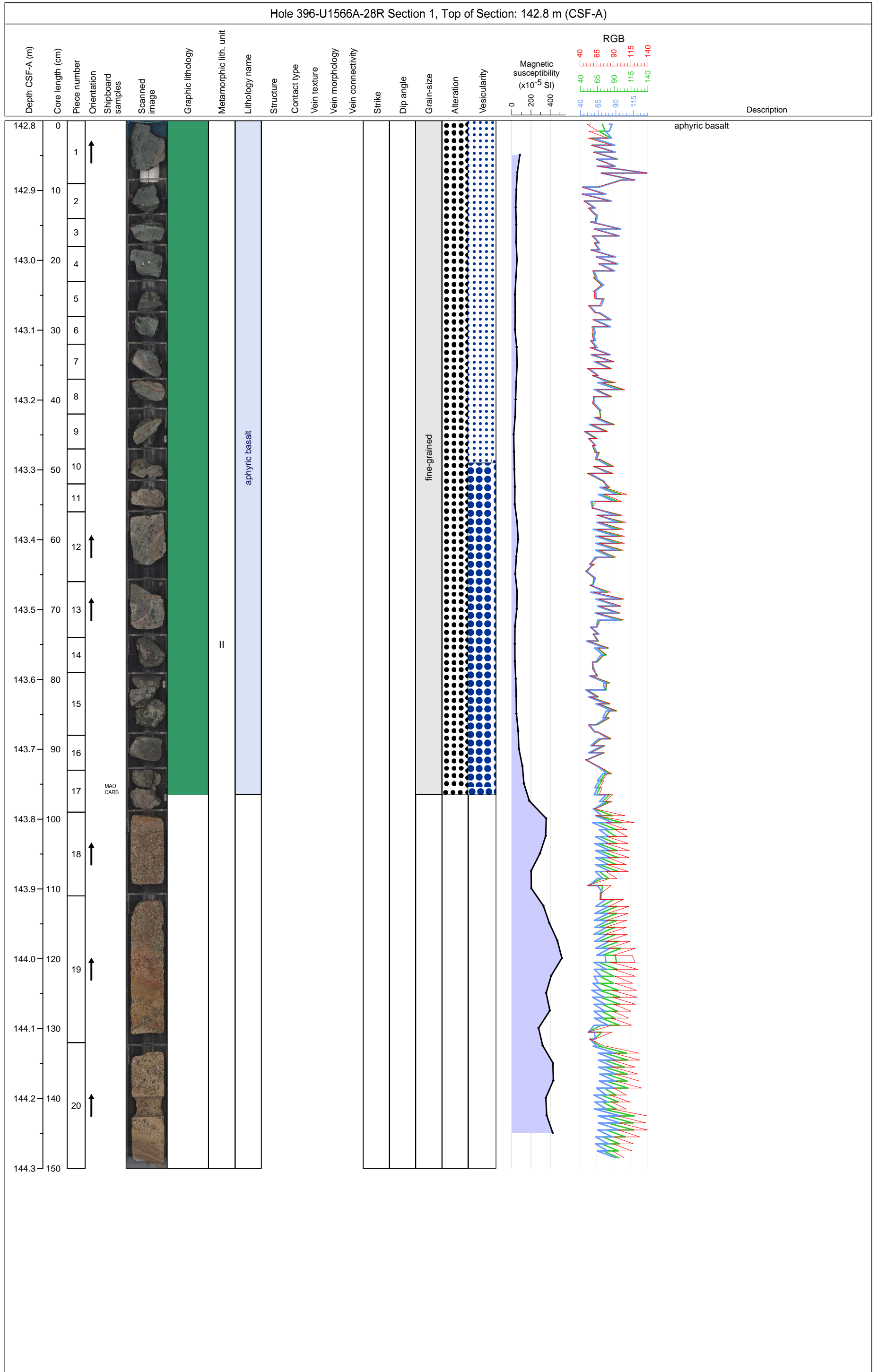


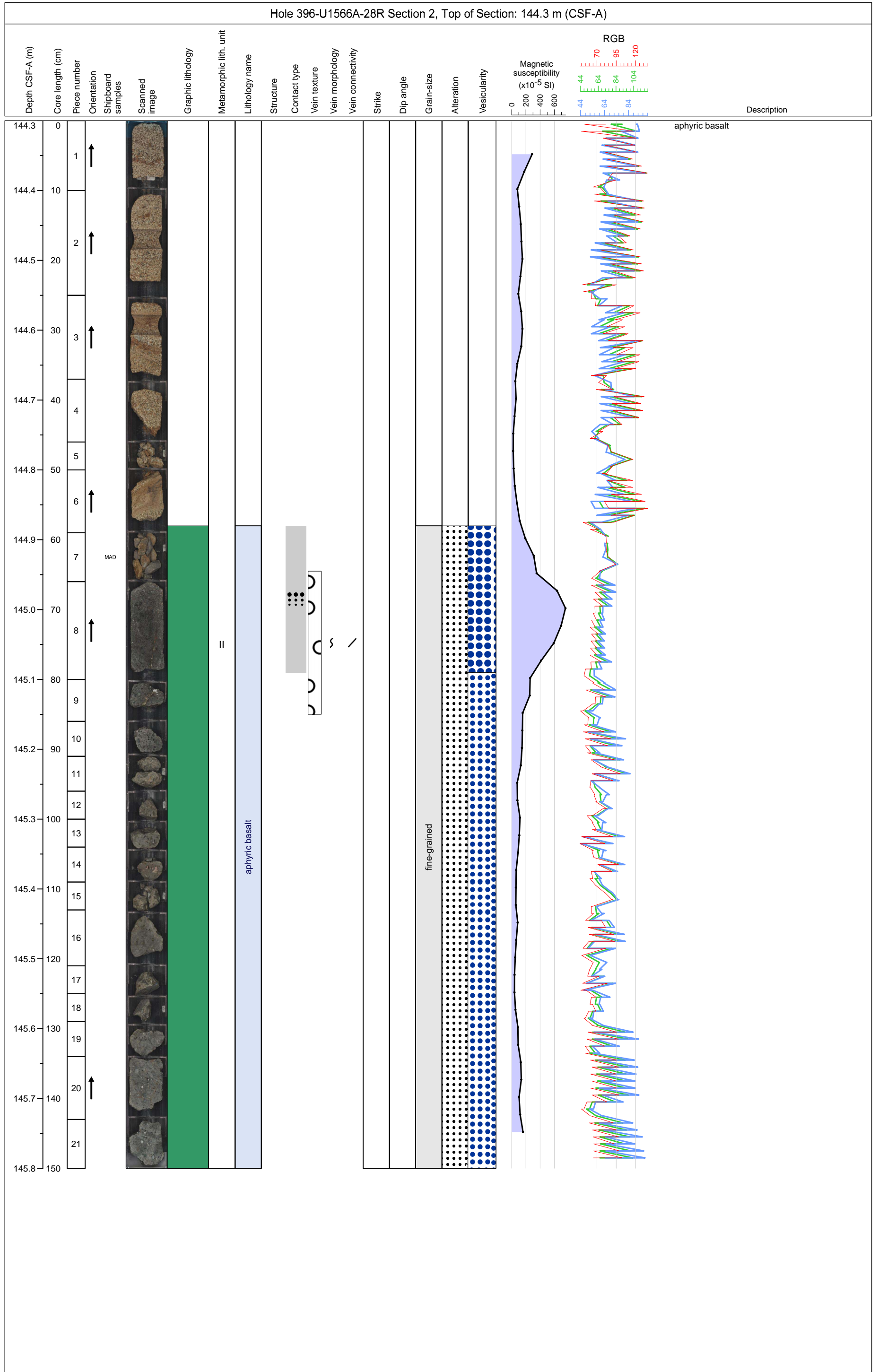


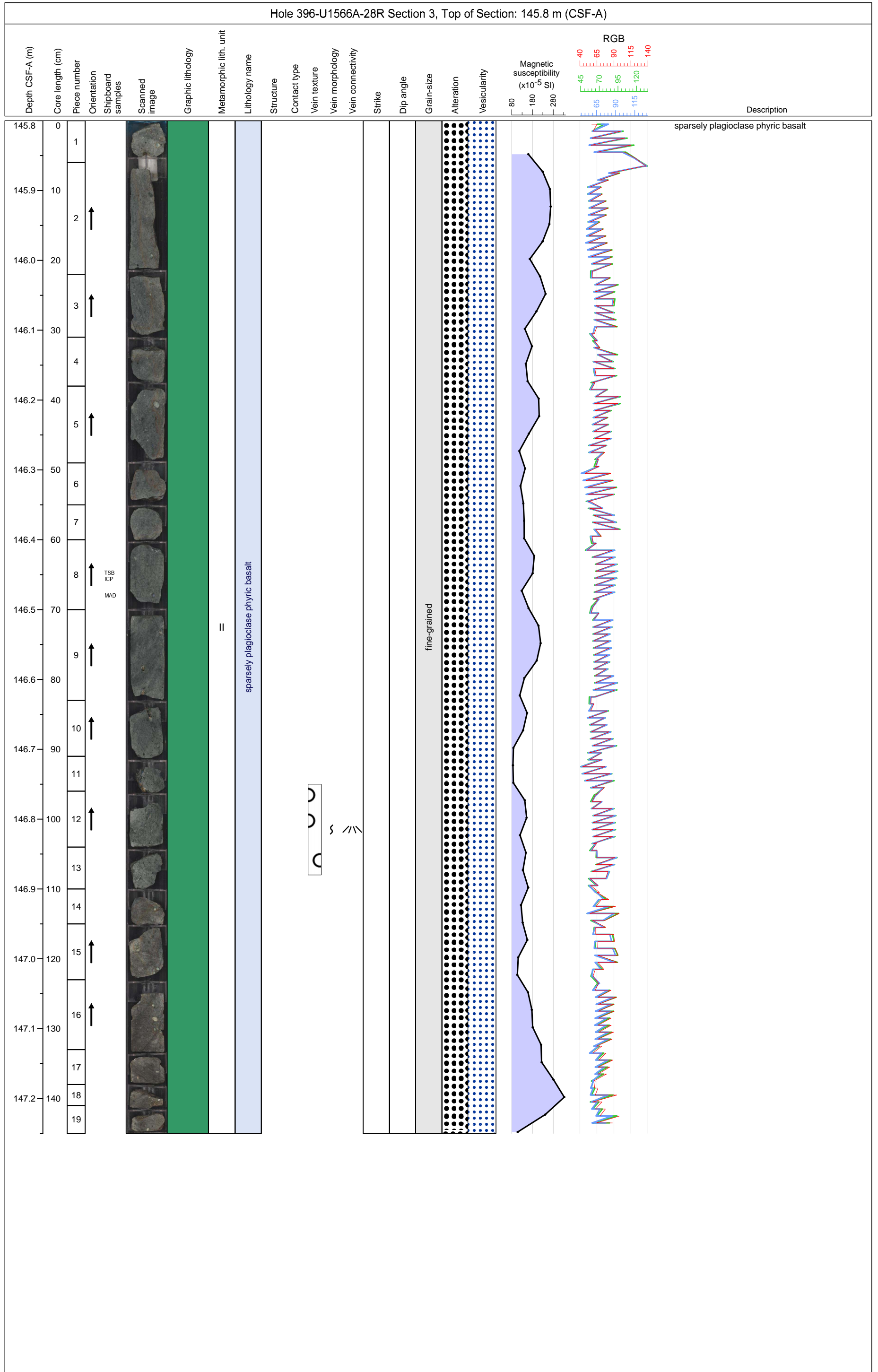
Hole 396-U1566A Core 28R, Interval 142.8-147.72 m (CSF-A)

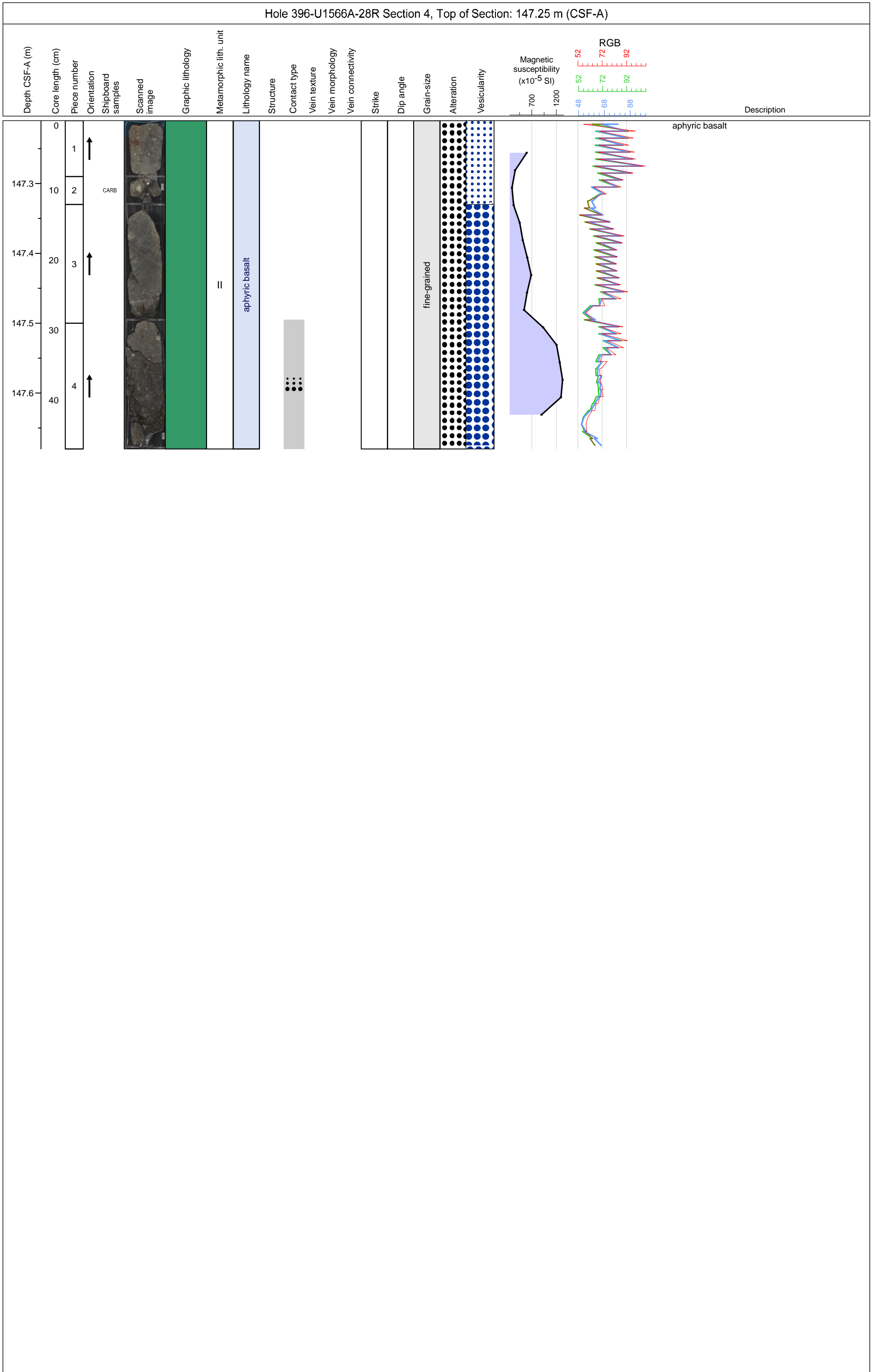
This core consists of dark gray (GLEY1 4/N) aphyric BASALT sparsely to highly vesicular altered to clay minerals with a layer of yellowish brown (10YR 5/4) clay-rich SANDSTONE. A minimum of two lava flows are identified.

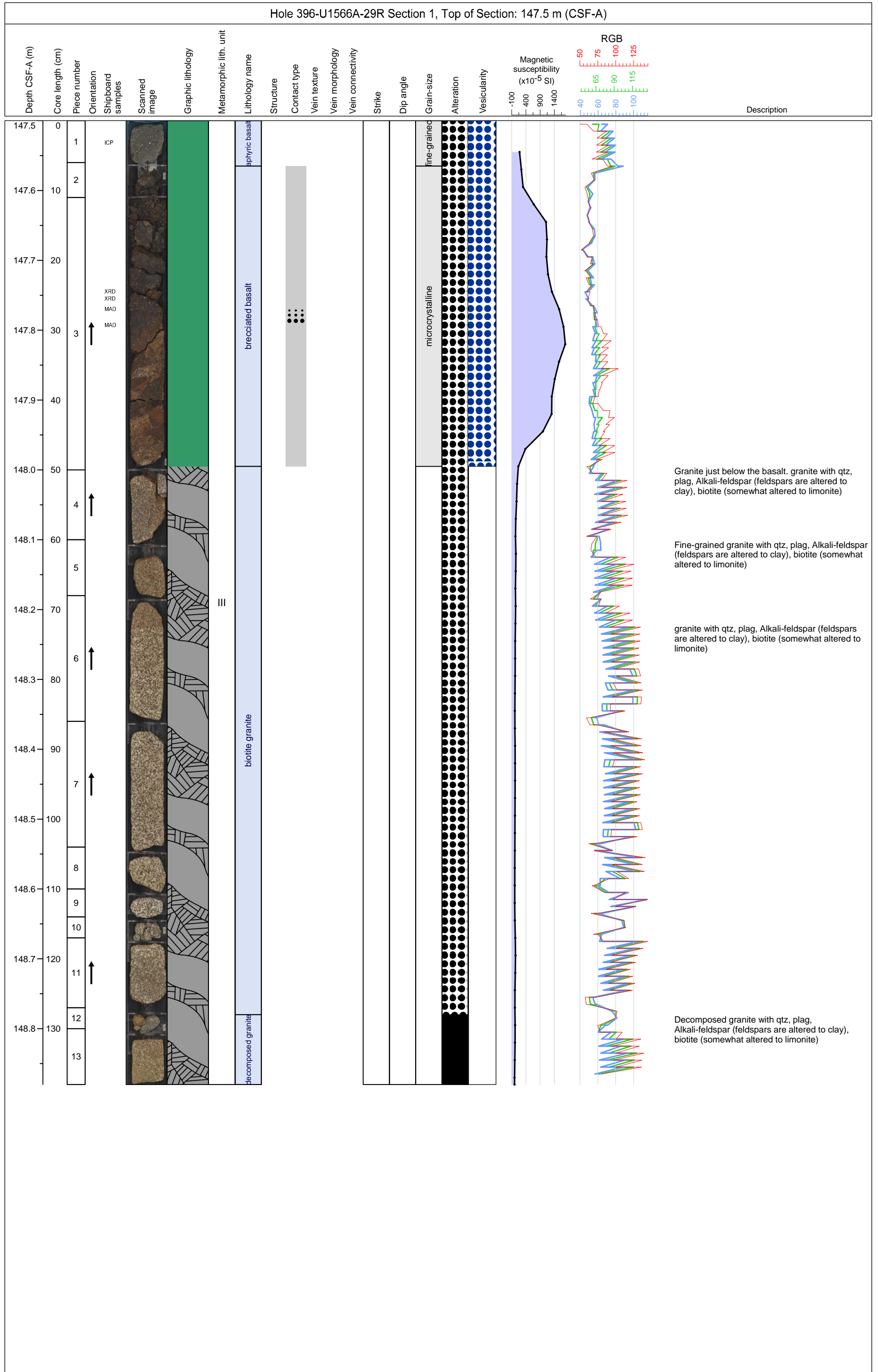


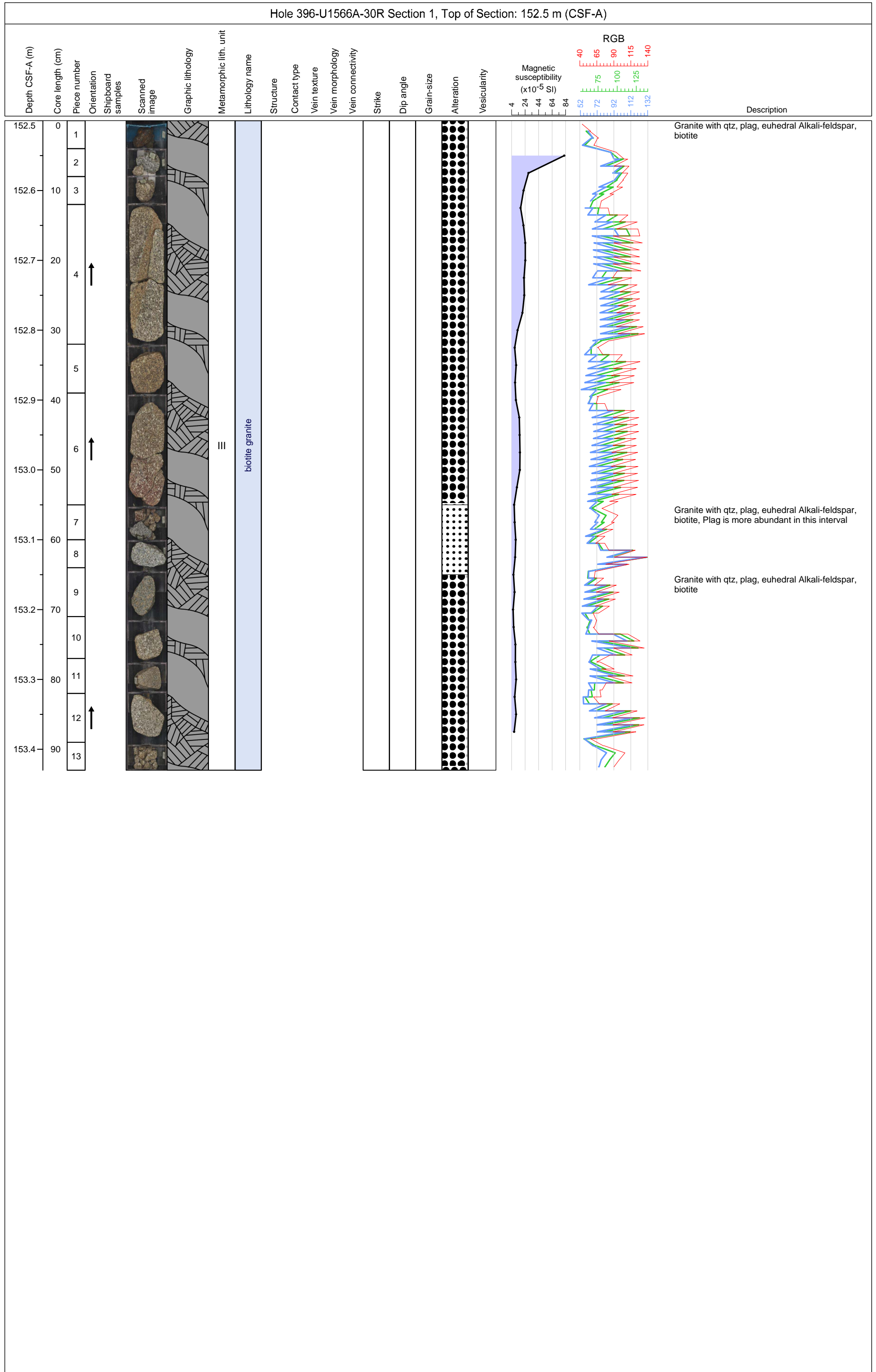






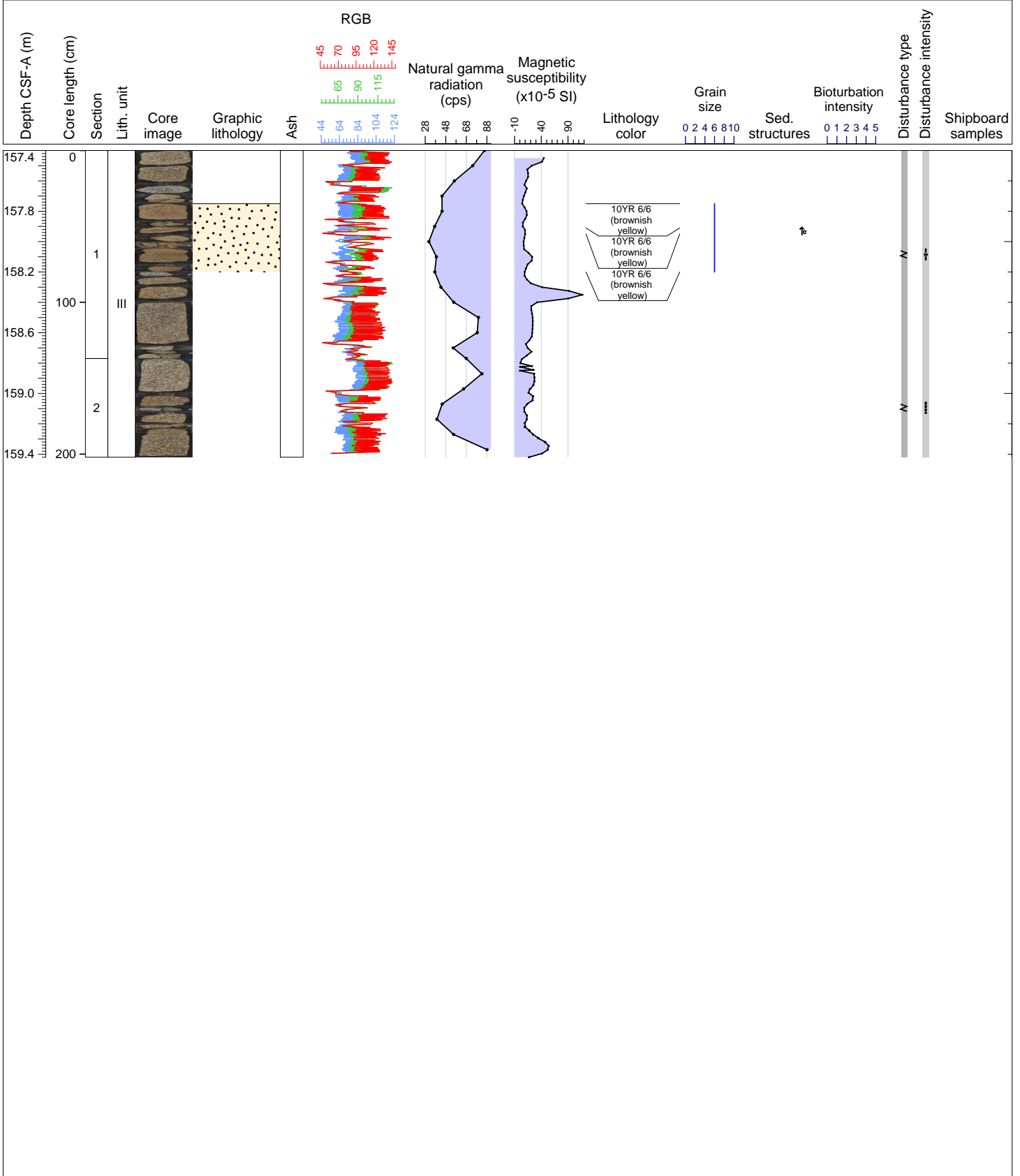


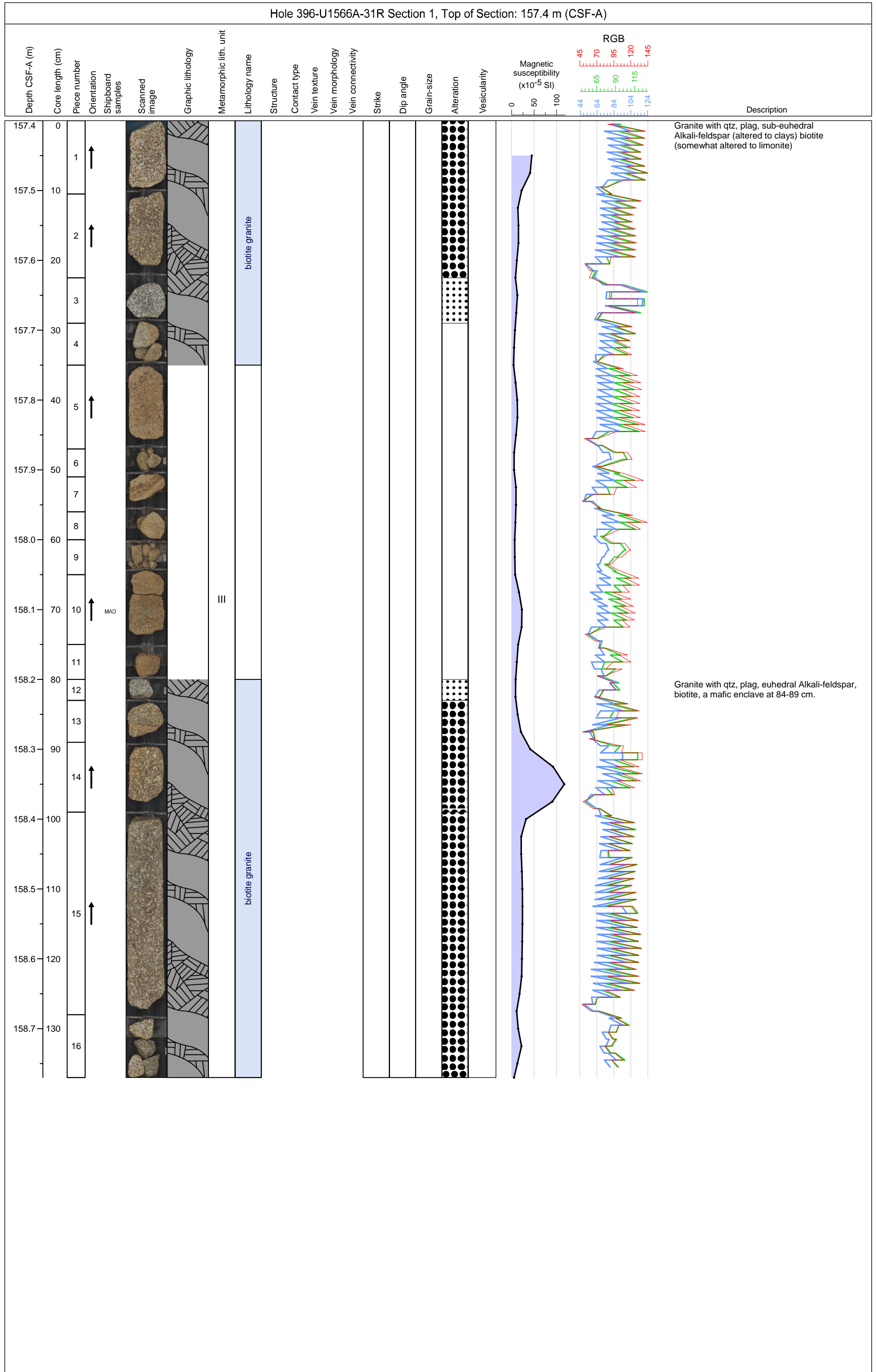


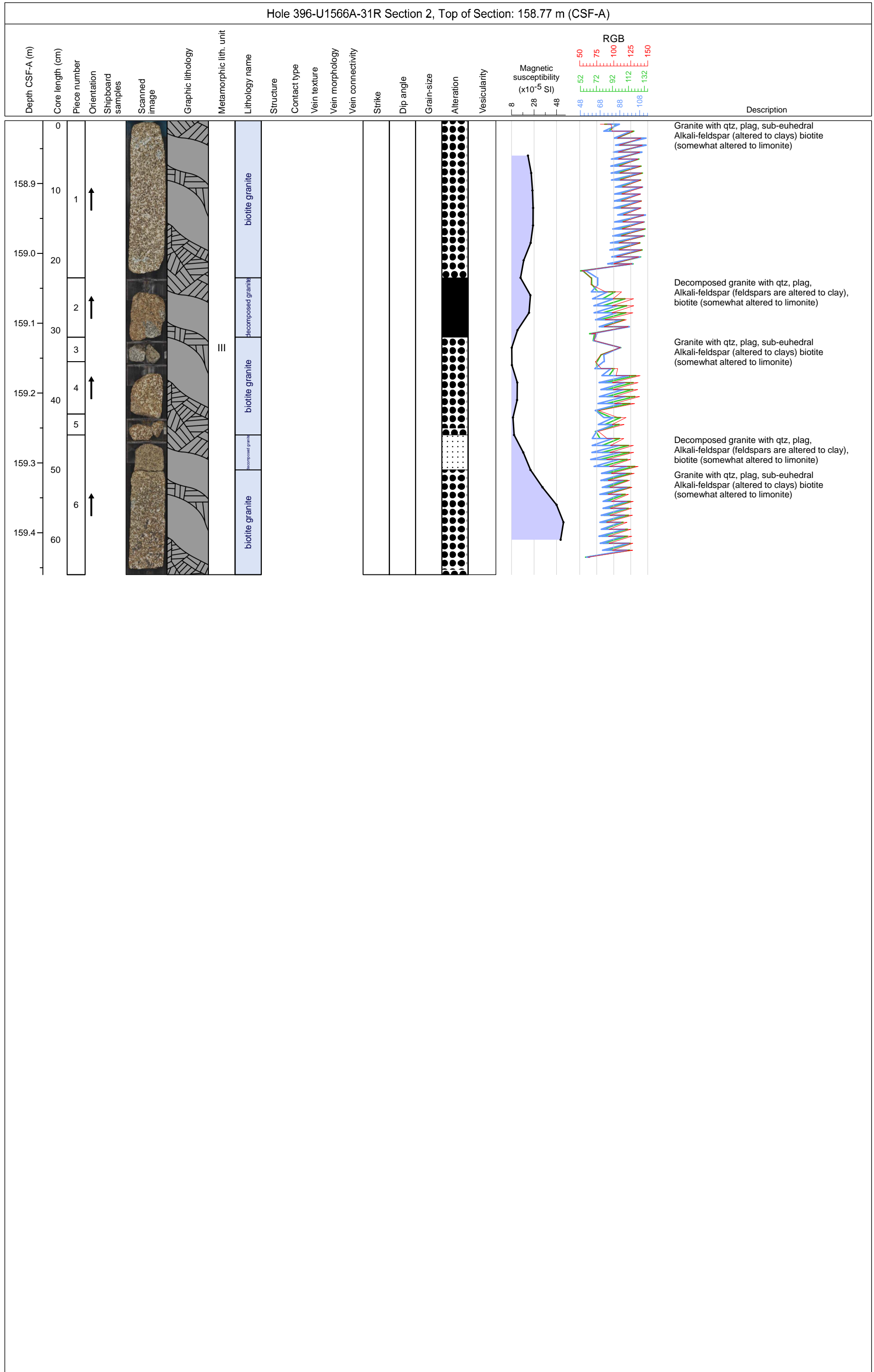


Hole 396-U1566A Core 31R, Interval 157.4-159.42 m (CSF-A)

This core consists of alternation of variably altered GRANITE with biotite (decomposed to fresh) with cm-scale layers of brownish yellow (10YR 6/6) SANDSTONE with silt.

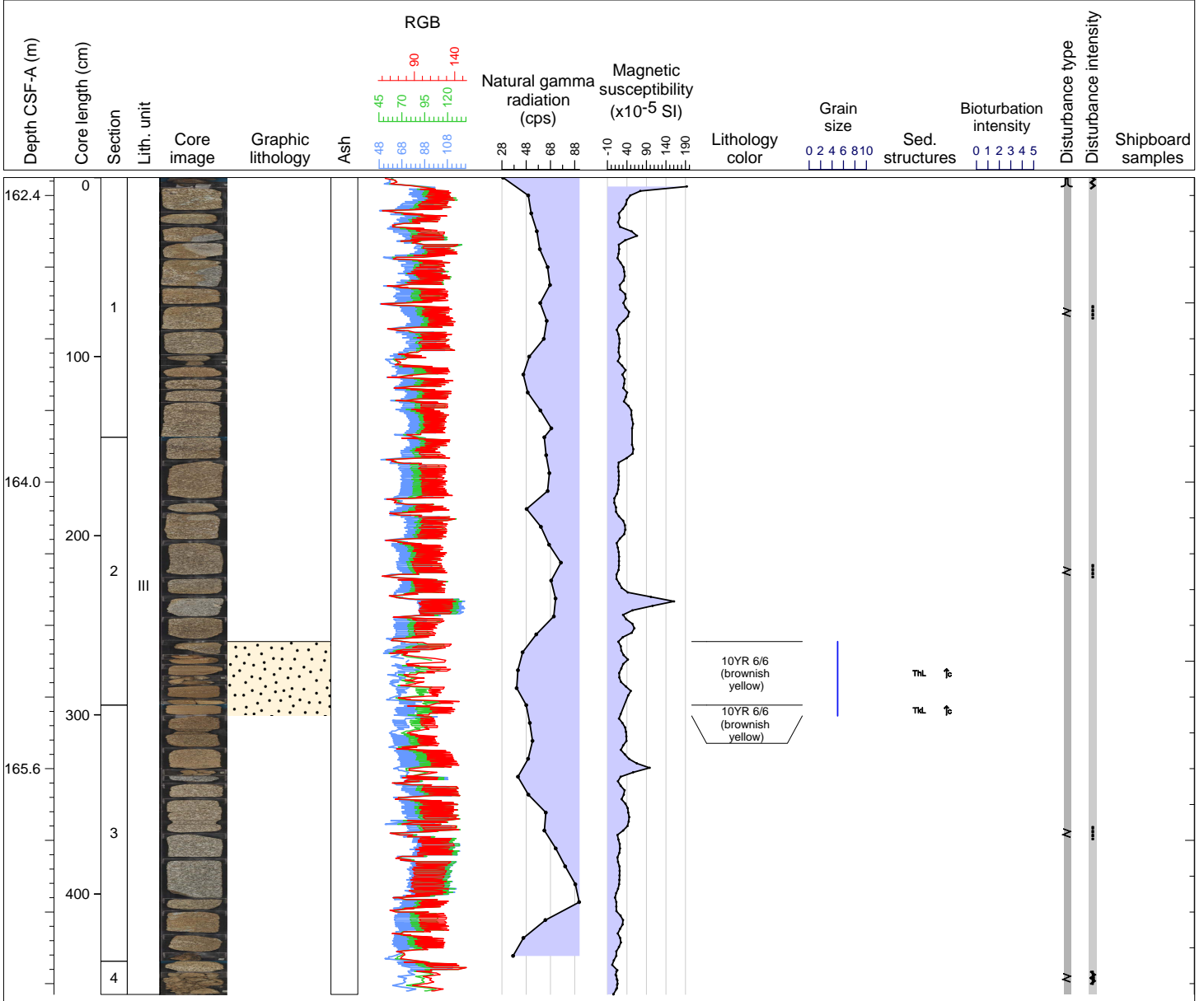


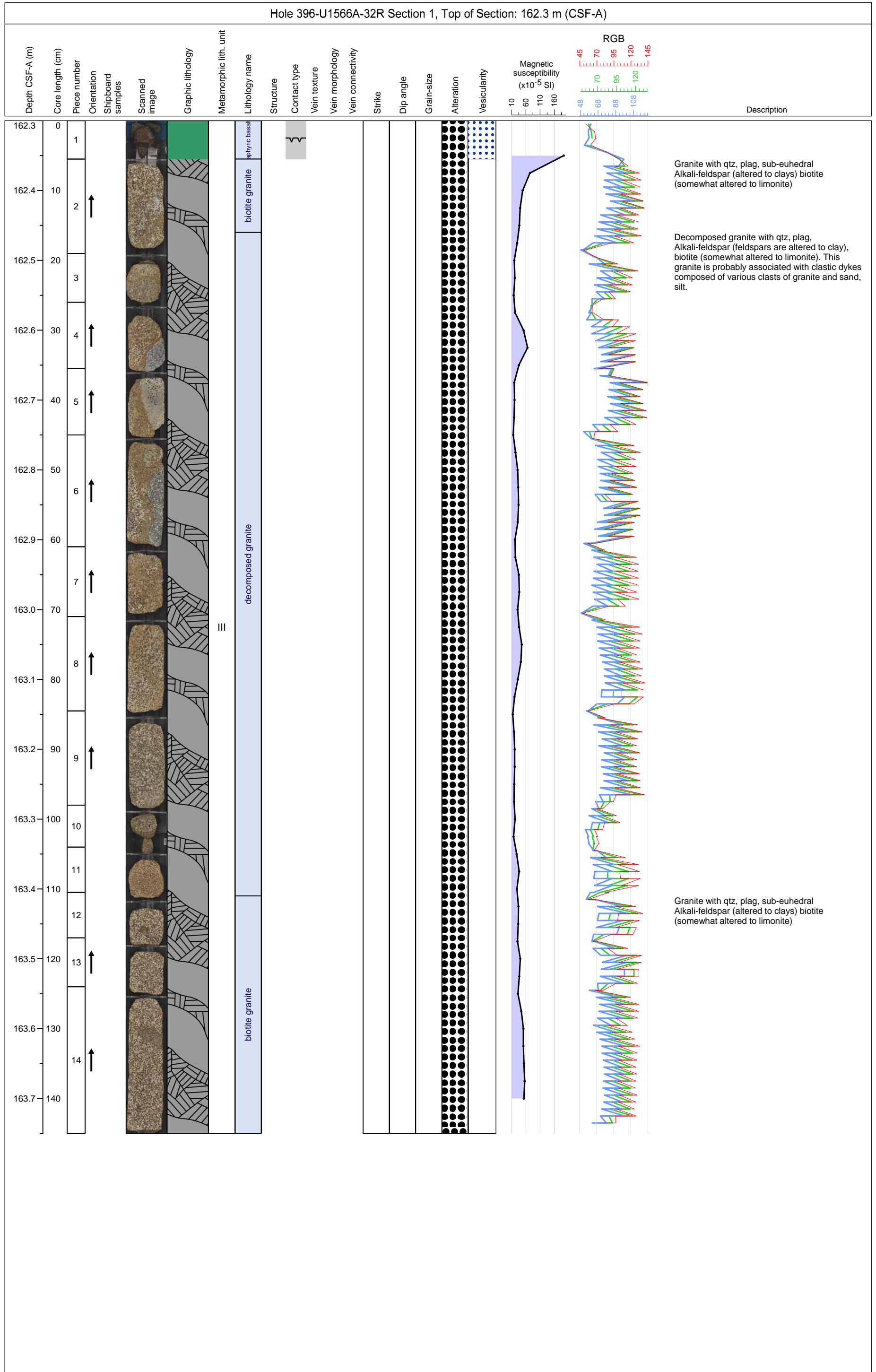


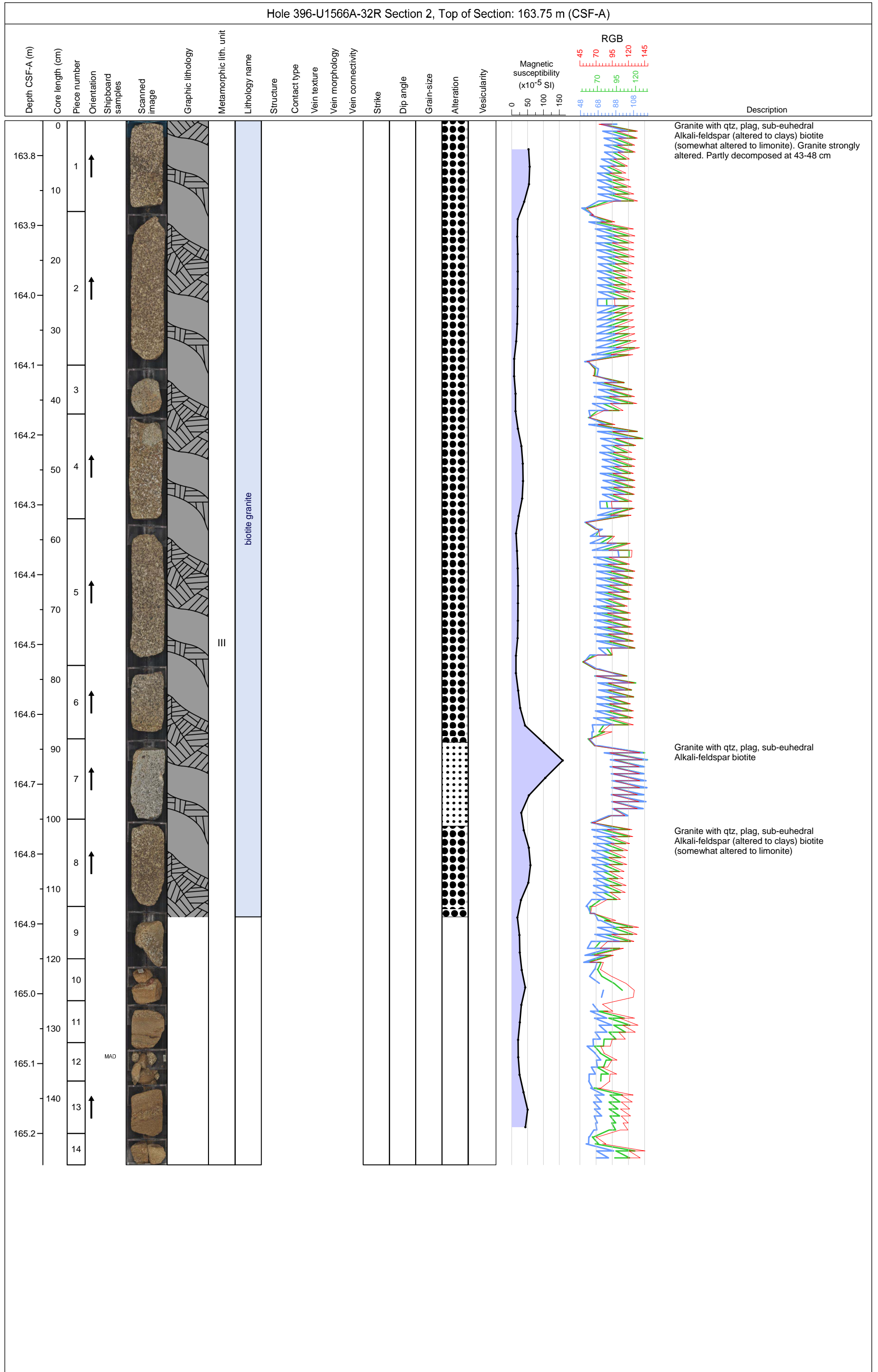


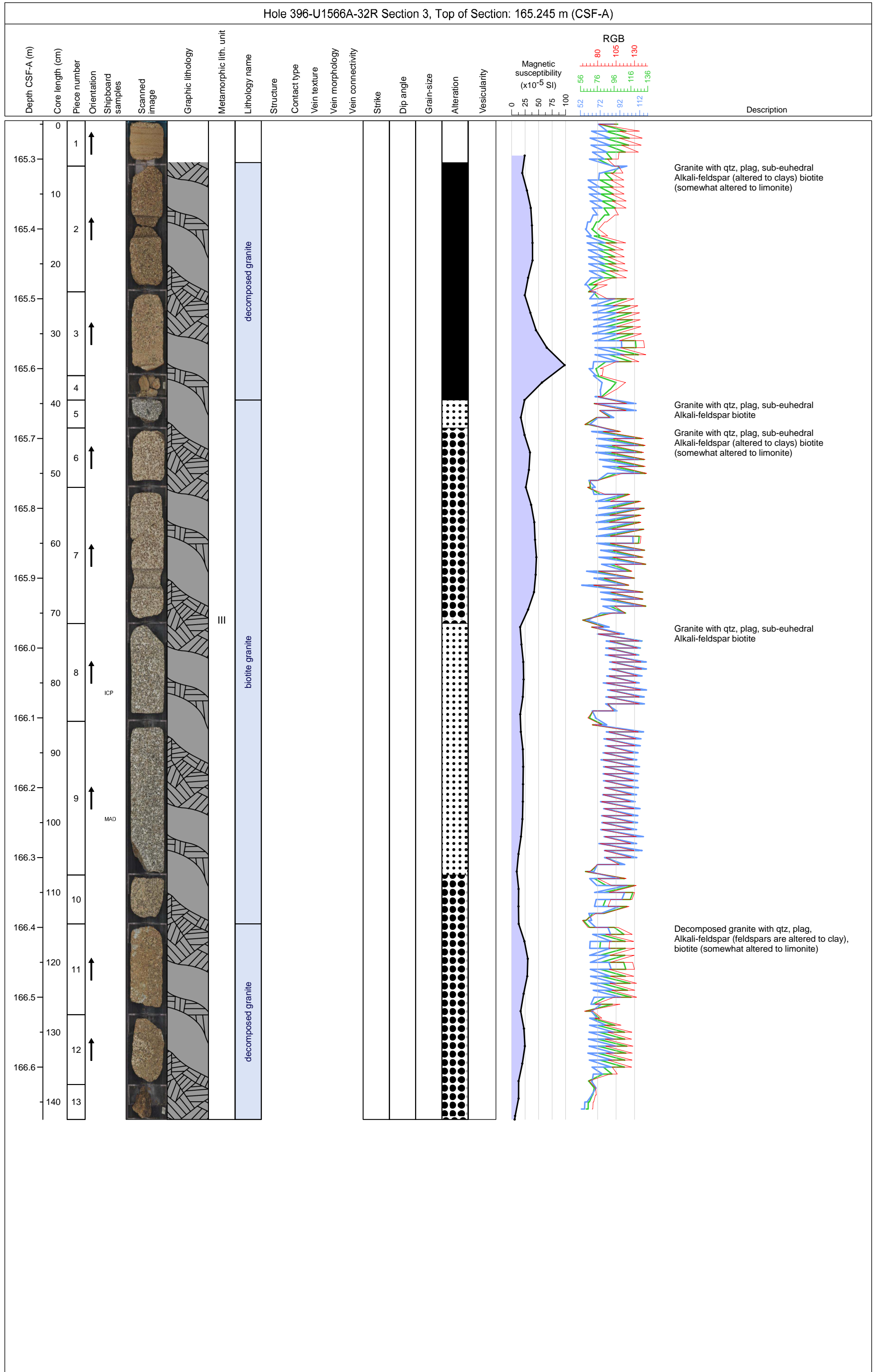
Hole 396-U1566A Core 32R, Interval 162.3-166.86 m (CSF-A)




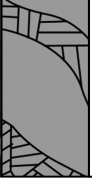
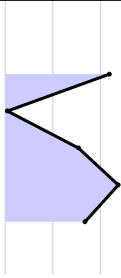
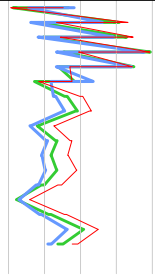
This core consists of alternation of fresh to decomposed GRANITE with biotite interlayered with brownish yellow (10YR 6/6) SANDSTONE with silt. Presence of a clastic dike in section 1.









| Hole 396-U1566A-32R Section 4, Top of Section: 166.675 m (CSF-A) | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|--------------|-------------|-------------------|---|---|------------------------|--------------------|-----------|--------------|--------------|-----------------|-------------------|--------|-----------|------------|------------|--------------|---|---|--|
| Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Metamorphic lith. unit | Lithology name | Structure | Contact type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Grain-size | Alteration | Vesicularity | Magnetic susceptibility (x10 ⁻⁵ SI) | RGB | Description |
| 0 | | 1 | | |  |  | | | | | | | | | | | | | | | |
| 166.8 | 10 | 2 | | |  |  | III | decomposed granite | | | | | | | | | | |  |  | Decomposed granite with qtz, plag, Alkali-feldspar (feldspars are altered to clay), biotite (somewhat altered to limonite). This granite is probably associated with clastic dykes composed of various clasts of granite and sand, silt. |

Hole 396-U1566A Core 33R, Interval 172.0-175.395 m (CSF-A)

This core consists of alternation of fresh to decomposed GRANITE with biotite interlayered with brownish yellow (10YR 6/6) SANDSTONE with silt. Presence of small clastic dike.

