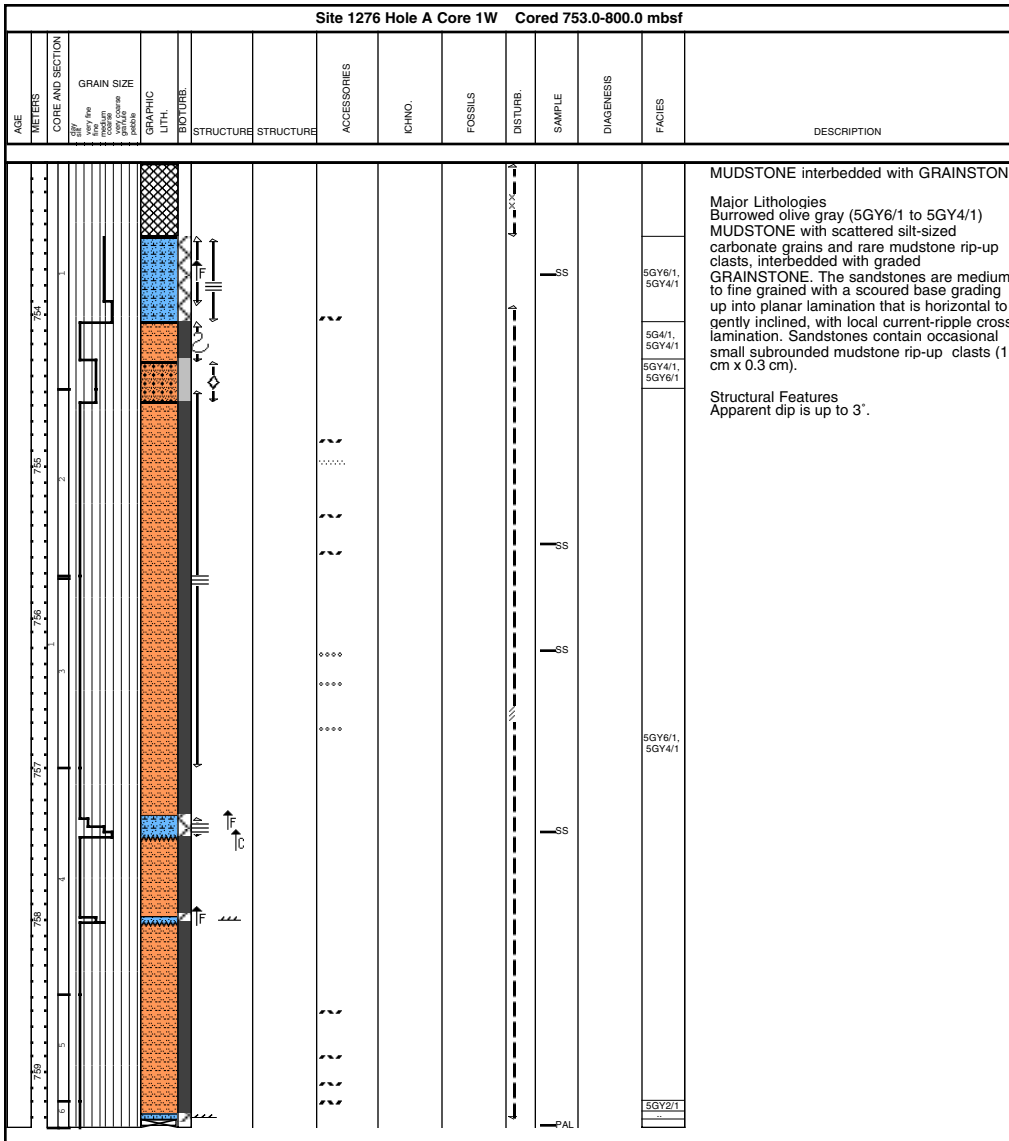


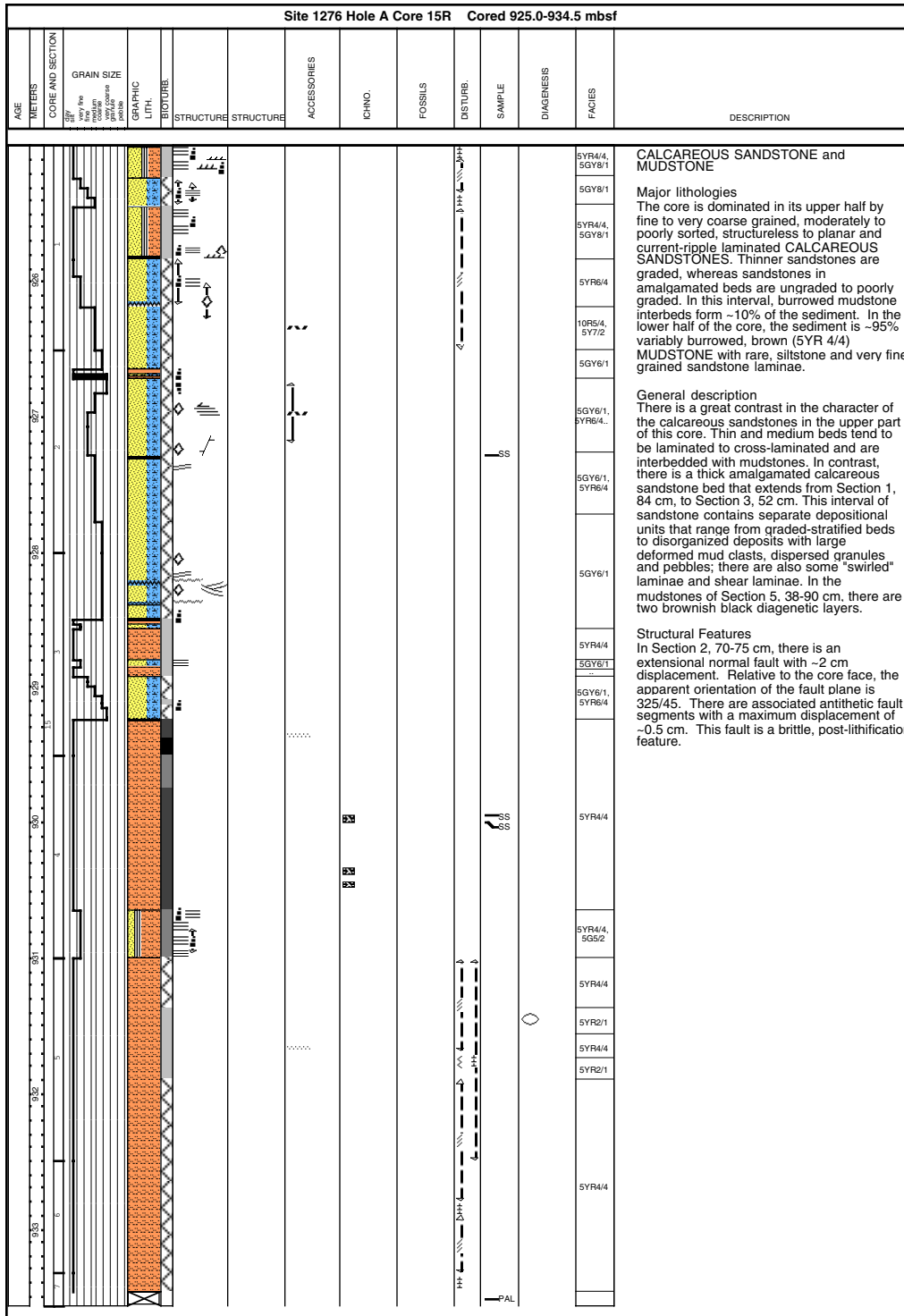
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

Core Photo



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

Core Photo

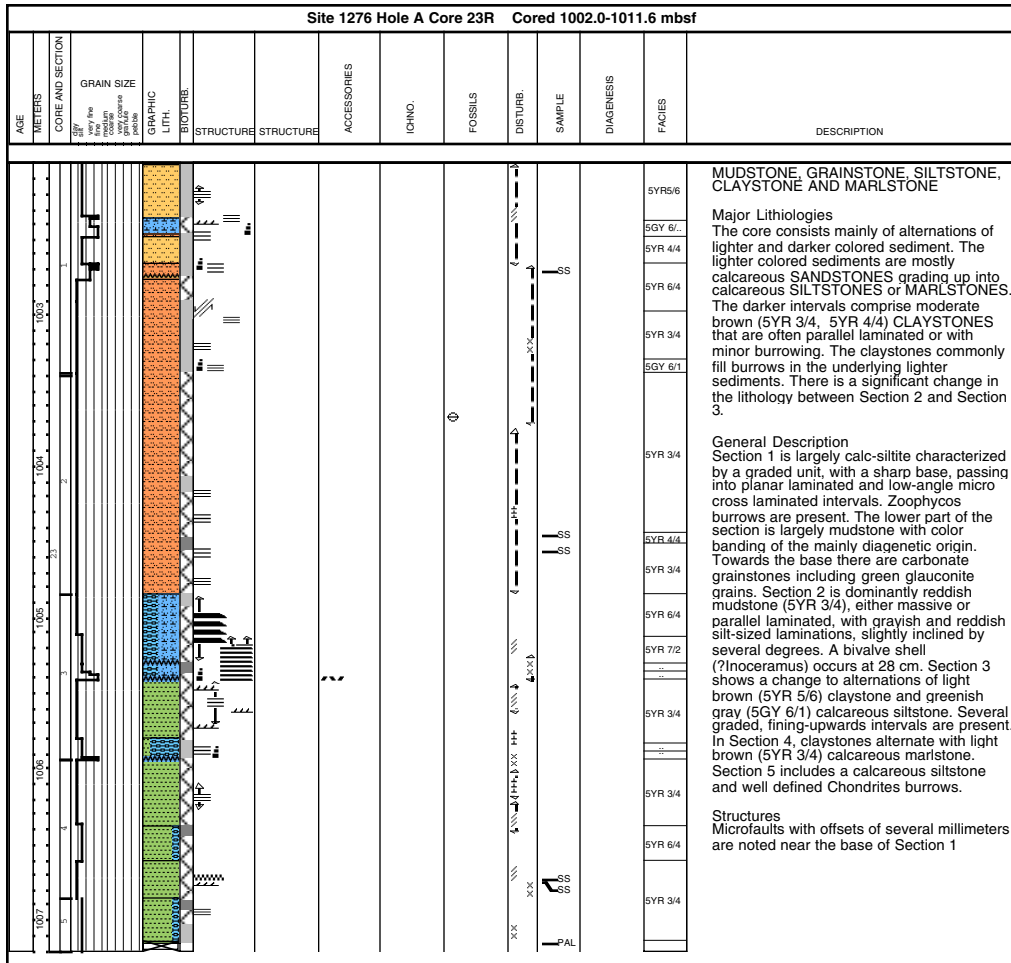


CORE DESCRIPTIONS
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Core Photo

| Site 1276 Hole A Core 16R Cored 934.5-944.1 mbsf | | | | | | | | | | | | | | |
|--|------------------|------------|---------------|----------|-----------|-----------|-------------|--------|---------|----------|--------|------------|----------|--|
| AGE METERS | CORE AND SECTION | GRAIN SIZE | GRAPHIC LITH. | BIOTURB. | STRUCTURE | STRUCTURE | ACCESSORIES | ICHNO. | FOSSILS | DISTURB. | SAMPLE | DIAGENESIS | FACIES | DESCRIPTION |
| 942 | | | | | | | | | | | | | 5Y 4/2 | CALCAREOUS MUDSTONE and MUDSTONE |
| 943 | | | | | | | | | | | | | 5GY 7/2 | Major lithologies Olive black (5Y 1/2) MUDSTONE and olive black to grayish green (5GY 7/2) CALCAREOUS MUDSTONE comprise about 92% of the core. |
| 944 | | | | | | | | | | | | | 5Y 1/2 | Minor lithologies Grayish red (5Y 4/2) CLAYSTONE forms about 5% of the core, and light olive (5Y 5/2) SANDY SILTSTONE forms about 3%. |
| 945 | | | | | | | | | | | | | 5GY 7/2 | General description Grayish red claystone only occurs in Section 1, 0-30 cm. The remainder of the core contains fining- and lightening-upward intervals (informally termed motifs) that range in thickness between 10 and 90 cm. Each motif contains three lithologies. Laminated sharp based SANDY SILTSTONES (2-8 cm thick) occur at the bases of the "motifs" and grade up into olive gray calcareous mudstones or mudstones containing thin laminae, some of which may be extremely compacted burrows. Grayish green mudstones cap most, but not all, the "motifs", and are bioturbated, with burrow fills of this lithology extending down into the underlying darker colored mudstones. |
| 946 | | | | | | | | | | | | | 5Y 1/2 | |
| 947 | | | | | | | | | | | | | 5Y 5/2 | |
| 948 | | | | | | | | | | | | | 5Y 4/1 | |
| 949 | | | | | | | | | | | | | 10GY 5/2 | |
| 950 | | | | | | | | | | | | | 5Y 4/1 | |
| 951 | | | | | | | | | | | | | 10GY 5/2 | |
| 952 | | | | | | | | | | | | | 5GY 7/2 | |
| 953 | | | | | | | | | | | | | 10YR 5/2 | |
| 954 | | | | | | | | | | | | | 10YR 5/2 | |
| 955 | | | | | | | | | | | | | 10GY 5/2 | |
| 956 | | | | | | | | | | | | | 5Y 1/2 | |
| 957 | | | | | | | | | | | | | 10YR 1.1 | |
| 958 | | | | | | | | | | | | | 5Y2/1 | |
| 959 | | | | | | | | | | | | | 5GY 7/2 | |
| 960 | | | | | | | | | | | | | 5Y 5/5 | |
| 961 | | | | | | | | | | | | | 5GY 7/2 | |
| 962 | | | | | | | | | | | | | 5Y 1/2 | |
| 963 | | | | | | | | | | | | | 5GY 7/2 | |
| 964 | | | | | | | | | | | | | 5Y 1/2 | |
| 965 | | | | | | | | | | | | | 5GY 7/2 | |
| 966 | | | | | | | | | | | | | 5Y 1/2 | |
| 967 | | | | | | | | | | | | | 5Y 1/2 | |
| 968 | | | | | | | | | | | | | 5Y 1/2 | |
| 969 | | | | | | | | | | | | | 5Y 1/2 | |
| 970 | | | | | | | | | | | | | 5Y 1/2 | |
| 971 | | | | | | | | | | | | | 5Y 1/2 | |
| 972 | | | | | | | | | | | | | 5Y 1/2 | |
| 973 | | | | | | | | | | | | | 5Y 1/2 | |
| 974 | | | | | | | | | | | | | 5Y 1/2 | |
| 975 | | | | | | | | | | | | | 5Y 1/2 | |
| 976 | | | | | | | | | | | | | 5Y 1/2 | |
| 977 | | | | | | | | | | | | | 5Y 1/2 | |
| 978 | | | | | | | | | | | | | 5Y 1/2 | |
| 979 | | | | | | | | | | | | | 5Y 1/2 | |
| 980 | | | | | | | | | | | | | 5Y 1/2 | |
| 981 | | | | | | | | | | | | | 5Y 1/2 | |
| 982 | | | | | | | | | | | | | 5Y 1/2 | |
| 983 | | | | | | | | | | | | | 5Y 1/2 | |
| 984 | | | | | | | | | | | | | 5Y 1/2 | |
| 985 | | | | | | | | | | | | | 5Y 1/2 | |
| 986 | | | | | | | | | | | | | 5Y 1/2 | |
| 987 | | | | | | | | | | | | | 5Y 1/2 | |
| 988 | | | | | | | | | | | | | 5Y 1/2 | |
| 989 | | | | | | | | | | | | | 5Y 1/2 | |
| 990 | | | | | | | | | | | | | 5Y 1/2 | |
| 991 | | | | | | | | | | | | | 5Y 1/2 | |
| 992 | | | | | | | | | | | | | 5Y 1/2 | |
| 993 | | | | | | | | | | | | | 5Y 1/2 | |
| 994 | | | | | | | | | | | | | 5Y 1/2 | |
| 995 | | | | | | | | | | | | | 5Y 1/2 | |
| 996 | | | | | | | | | | | | | 5Y 1/2 | |
| 997 | | | | | | | | | | | | | 5Y 1/2 | |
| 998 | | | | | | | | | | | | | 5Y 1/2 | |
| 999 | | | | | | | | | | | | | 5Y 1/2 | |
| 1000 | | | | | | | | | | | | | 5Y 1/2 | |
| 1001 | | | | | | | | | | | | | 5Y 1/2 | |
| 1002 | | | | | | | | | | | | | 5Y 1/2 | |
| 1003 | | | | | | | | | | | | | 5Y 1/2 | |
| 1004 | | | | | | | | | | | | | 5Y 1/2 | |
| 1005 | | | | | | | | | | | | | 5Y 1/2 | |
| 1006 | | | | | | | | | | | | | 5Y 1/2 | |
| 1007 | | | | | | | | | | | | | 5Y 1/2 | |
| 1008 | | | | | | | | | | | | | 5Y 1/2 | |
| 1009 | | | | | | | | | | | | | 5Y 1/2 | |
| 1010 | | | | | | | | | | | | | 5Y 1/2 | |
| 1011 | | | | | | | | | | | | | 5Y 1/2 | |
| 1012 | | | | | | | | | | | | | 5Y 1/2 | |
| 1013 | | | | | | | | | | | | | 5Y 1/2 | |
| 1014 | | | | | | | | | | | | | 5Y 1/2 | |
| 1015 | | | | | | | | | | | | | 5Y 1/2 | |
| 1016 | | | | | | | | | | | | | 5Y 1/2 | |
| 1017 | | | | | | | | | | | | | 5Y 1/2 | |
| 1018 | | | | | | | | | | | | | 5Y 1/2 | |
| 1019 | | | | | | | | | | | | | 5Y 1/2 | |
| 1020 | | | | | | | | | | | | | 5Y 1/2 | |
| 1021 | | | | | | | | | | | | | 5Y 1/2 | |
| 1022 | | | | | | | | | | | | | 5Y 1/2 | |
| 1023 | | | | | | | | | | | | | 5Y 1/2 | |
| 1024 | | | | | | | | | | | | | 5Y 1/2 | |
| 1025 | | | | | | | | | | | | | 5Y 1/2 | |
| 1026 | | | | | | | | | | | | | 5Y 1/2 | |
| 1027 | | | | | | | | | | | | | 5Y 1/2 | |
| 1028 | | | | | | | | | | | | | 5Y 1/2 | |
| 1029 | | | | | | | | | | | | | 5Y 1/2 | |
| 1030 | | | | | | | | | | | | | 5Y 1/2 | |
| 1031 | | | | | | | | | | | | | 5Y 1/2 | |
| 1032 | | | | | | | | | | | | | 5Y 1/2 | |
| 1033 | | | | | | | | | | | | | 5Y 1/2 | |
| 1034 | | | | | | | | | | | | | 5Y 1/2 | |
| 1035 | | | | | | | | | | | | | 5Y 1/2 | |
| 1036 | | | | | | | | | | | | | 5Y 1/2 | |
| 1037 | | | | | | | | | | | | | 5Y 1/2 | |
| 1038 | | | | | | | | | | | | | 5Y 1/2 | |
| 1039 | | | | | | | | | | | | | 5Y 1/2 | |
| 1040 | | | | | | | | | | | | | 5Y 1/2 | |
| 1041 | | | | | | | | | | | | | 5Y 1/2 | |
| 1042 | | | | | | | | | | | | | 5Y 1/2 | |
| 1043 | | | | | | | | | | | | | 5Y 1/2 | |
| 1044 | | | | | | | | | | | | | 5Y 1/2 | |
| 1045 | | | | | | | | | | | | | 5Y 1/2 | |
| 1046 | | | | | | | | | | | | | 5Y 1/2 | |
| 1047 | | | | | | | | | | | | | 5Y 1/2 | |
| 1048 | | | | | | | | | | | | | 5Y 1/2 | |
| 1049 | | | | | | | | | | | | | 5Y 1/2 | |
| 1050 | | | | | | | | | | | | | 5Y 1/2 | |
| 1051 | | | | | | | | | | | | | 5Y 1/2 | |
| 1052 | | | | | | | | | | | | | 5Y 1/2 | |
| 1053 | | | | | | | | | | | | | 5Y 1/2 | |
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| 1056 | | | | | | | | | | | | | 5Y 1/2 | |
| 1057 | | | | | | | | | | | | | 5Y 1/2 | |
| 1058 | | | | | | | | | | | | | 5Y 1/2 | |
| 1059 | | | | | | | | | | | | | 5Y 1/2 | |
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| 1061 | | | | | | | | | | | | | 5Y 1/2 | |
| 1062 | | | | | | | | | | | | | 5Y 1/2 | |
| 1063 | | | | | | | | | | | | | 5Y 1/2 | |
| 1064 | | | | | | | | | | | | | 5Y 1/2 | |
| 1065 | | | | | | | | | | | | | 5Y 1/2 | |
| 1066 | | | | | | | | | | | | | 5Y 1/2 | |
| 1067 | | | | | | | | | | | | | | |

Core Photo



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

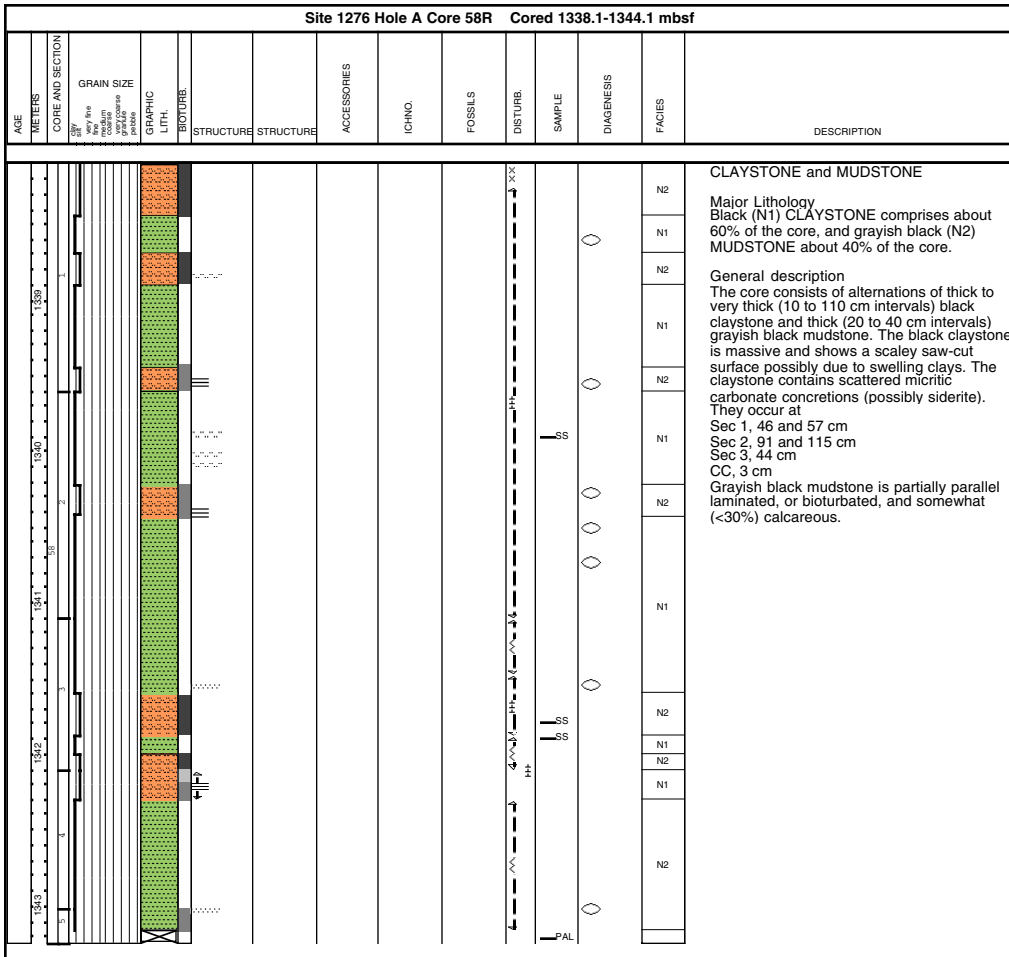
Core Photo

| Site 1276 Hole A Core 43R Cored 1193.5-1203.2 mbsf | | | | | | | | | | | | | | |
|--|------------------|------------|---------------|---------|-----------|-----------|-------------|--------|---------|----------|--------|------------|--------|---|
| AGE METERS | CORE AND SECTION | GRAIN SIZE | GRAPHIC LITH. | BIOURB. | STRUCTURE | STRUCTURE | ACCESSORIES | ICHNO. | FOSSILS | DISTURB. | SAMPLE | DIAGENESIS | FACIES | DESCRIPTION |
| 1193.5 | 5G6/1 | | | | | | | | | | | | 5G6/1 | MUDSTONE, LAMINATED MARLSTONE ("black-shale"), SANDSTONE and SILTSTONE |
| 1194 | 5GY4/1 | | | | | | | | | | | | 5GY4/1 | Major Lithologies Most of the section is composed of weakly to strongly burrowed calcareous MUDSTONE. |
| 1195 | N2 | | | | | | | | | | | | N2 | Minor Lithologies There are discrete intervals of finely laminated MARLSTONE, devoid of burrowing ("black-shales"), each up to several tens of centimeters thick. There are also occasional thin interbeds, or partings of fine-grained SANDSTONE/SILTSTONE. |
| 1196 | 5G4/1 | | | | | | | | | | | | 5G4/1 | General Description The typical calcareous mudstone, as seen in Section varies from burrowed greenish gray (5G 6/1), to greenish gray (5GY 4/1), to unburrowed very fine laminites ("black-shales"). In Section 2, several of the distinctive laminated marlstones occur. By contrast, some of the dark calcareous mudstones are slightly silty with occasional siltstone laminations. Burrowing these calcareous mudstones varies from absent to vague. Section 3 includes a discrete sandstone interbed, with a scoured base, grading from medium fine sandstone, into siltstone with convolute laminati at the top. Section 4 includes a single fine, graded sandstone near the base, with a slightly nodular texture. Section 5 is almost entirely burrowed, slightly silty claystone that becomes darker downwards. A single thin graded siltstone occurs at 38-39 cm. In addition, small crystalline nodules (?barite) were observed at 7.9 cm. Section 6 is burrowed dark grey calcareous mudstone with a single thin siltstone hori at 42-43 cm. |
| 1197 | N2 | | | | | | | | | | | | N2 | |
| 1198 | 5Y4/1 | | | | | | | | | | | | 5Y4/1 | |
| 1199 | N2 | | | | | | | | | | | | N2 | |
| 1200 | 5Y4/1 | | | | | | | | | | | | 5Y4/1 | |
| 1201 | 5GY6/1 | | | | | | | | | | | | 5GY6/1 | |
| 1202 | 5G8/1 | | | | | | | | | | | | 5G8/1 | |
| 1203 | 5GY4/1 | | | | | | | | | | | | 5GY4/1 | |
| 1204 | 5Y4/1 | | | | | | | | | | | | 5Y4/1 | |
| 1205 | 5GY4/1 | | | | | | | | | | | | 5GY4/1 | |
| 1206 | 5G6/1 | | | | | | | | | | | | 5G6/1 | |
| 1207 | 5GY4/1 | | | | | | | | | | | | 5GY4/1 | |
| 1208 | 5GY4/1 | | | | | | | | | | | | 5GY4/1 | |
| 1209 | 5G4/1 | | | | | | | | | | | | 5G4/1 | |

Core Photo

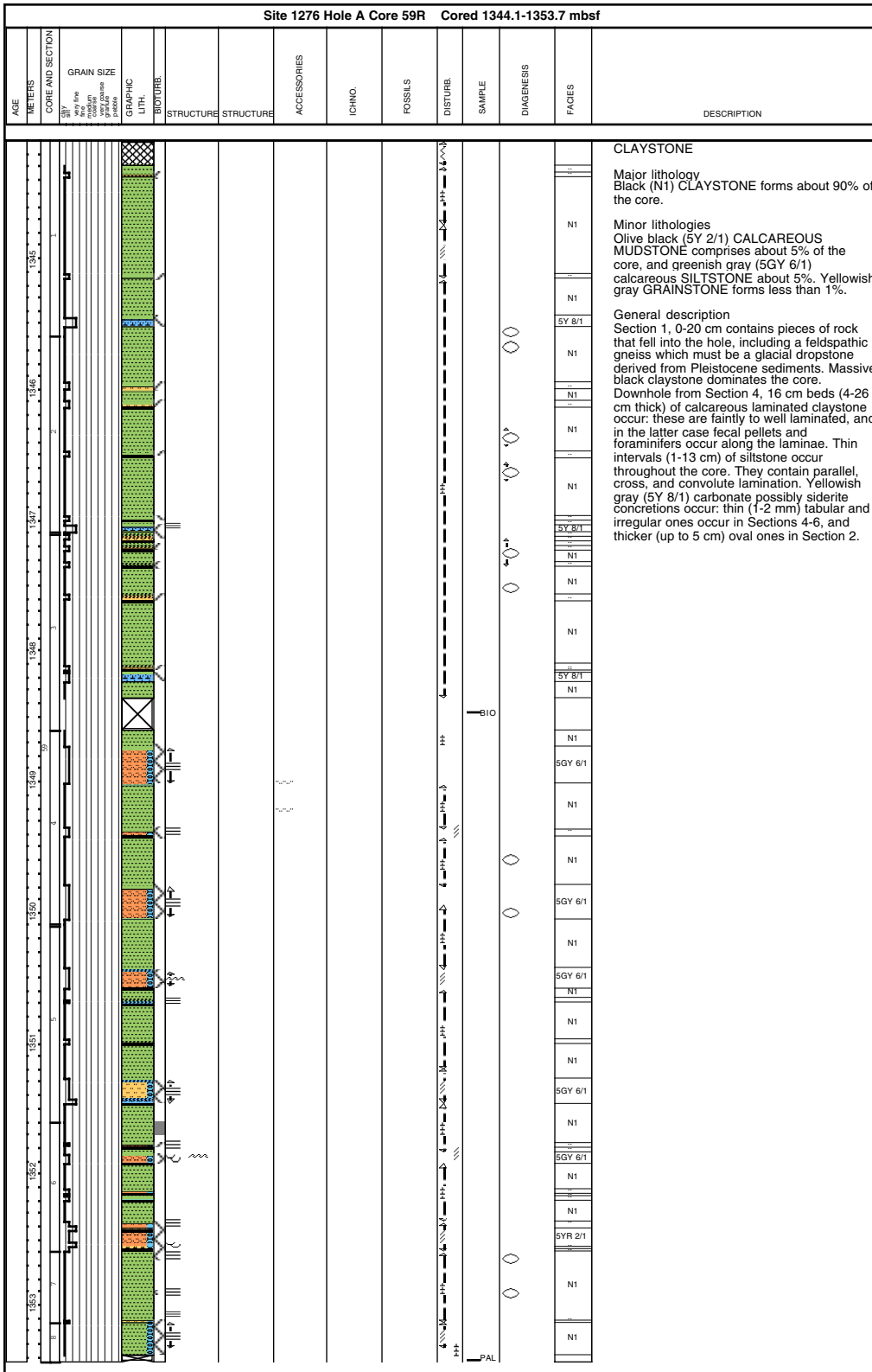
| Site 1276 Hole A Core 57R Cored 1328.5-1338.1 mbsf | | | | | | | | | | | | | | |
|--|---------|------------------|------------|---------------|-----------|-----------|-------------|--------|---------|----------|--------|------------|--------|---|
| AGE | TRETERS | CORE AND SECTION | GRAIN SIZE | GRAPHIC LITH. | STRUCTURE | STRUCTURE | ACCESSORIES | ICHNO. | FOSSILS | DISTURB. | SAMPLE | DIAGENESIS | FACIES | DESCRIPTION |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | <p>CLAYSTONE</p> <p>Major lithology Grayish black (N2) CLAYSTONE forms about 65% of the core.</p> <p>Minor lithologies Medium to light gray (N5 to N7), to dark greenish gray (5GY 4/1), slightly calcareous, SANDSTONE and SILTSTONE form about 25% of the core. Olive black (5Y 2/1) CALCAREOUS MUDSTONE comprises about 10% of the core.</p> <p>General description Core recovery is only 35%. One upward-fining interval (Section 1, 28-96 cm shows fine- to very fine-grained SANDSTONES showing parallel laminations overlain by SILTSTONE showing parallel and convolute laminae. This interval is overlain by CALCAREOUS MUDSTONE showing fine laminae in the basal 5 cm. Light olive gray (5Y 6/1) concretions, oval, tabular in shape, occur within some mudstones, and an irregular shaped clast (2 X 1 cm) occurs at the base of the sandstone interval (Section 1, 95 cm).</p> |

Core Photo



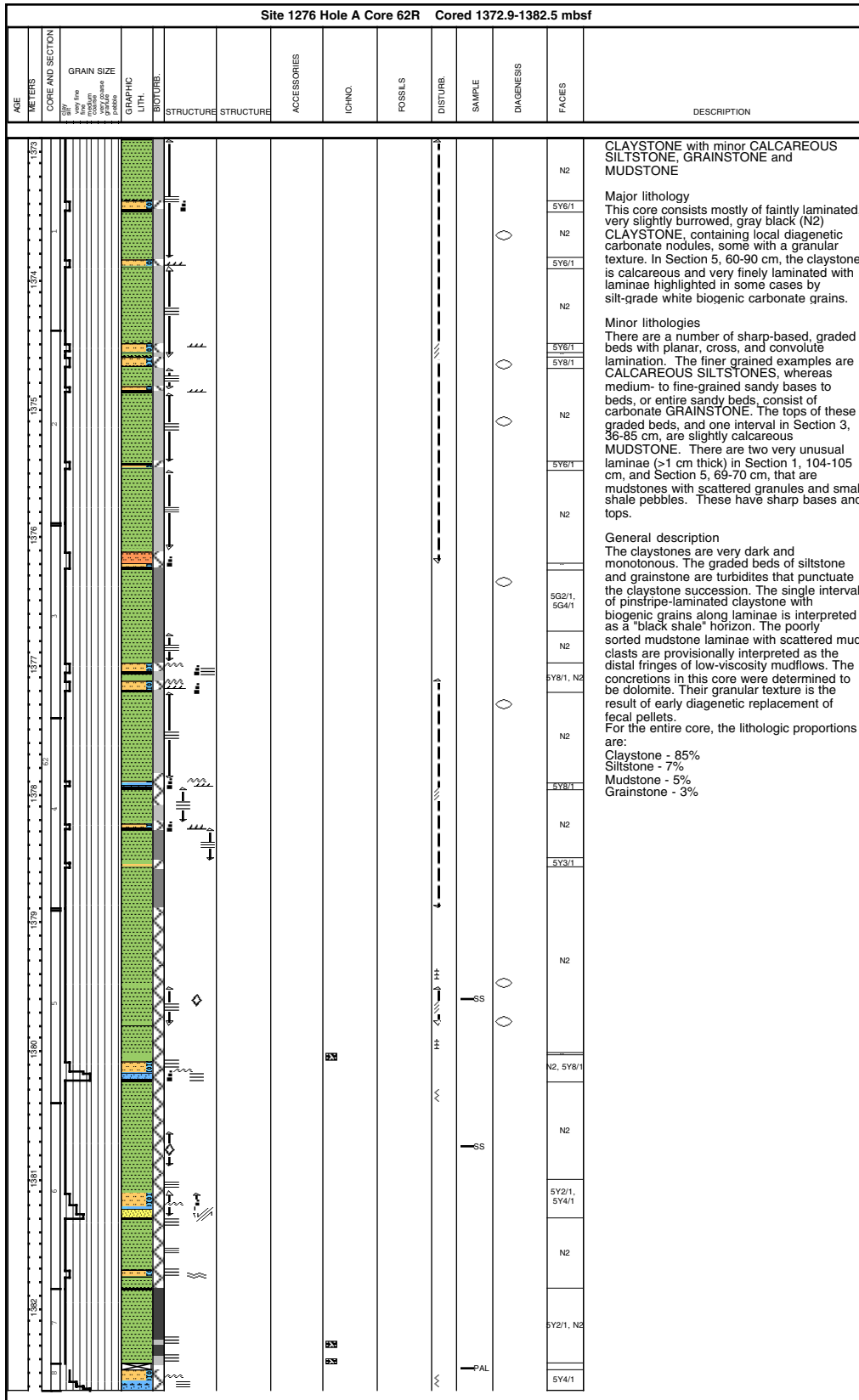
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

Core Photo



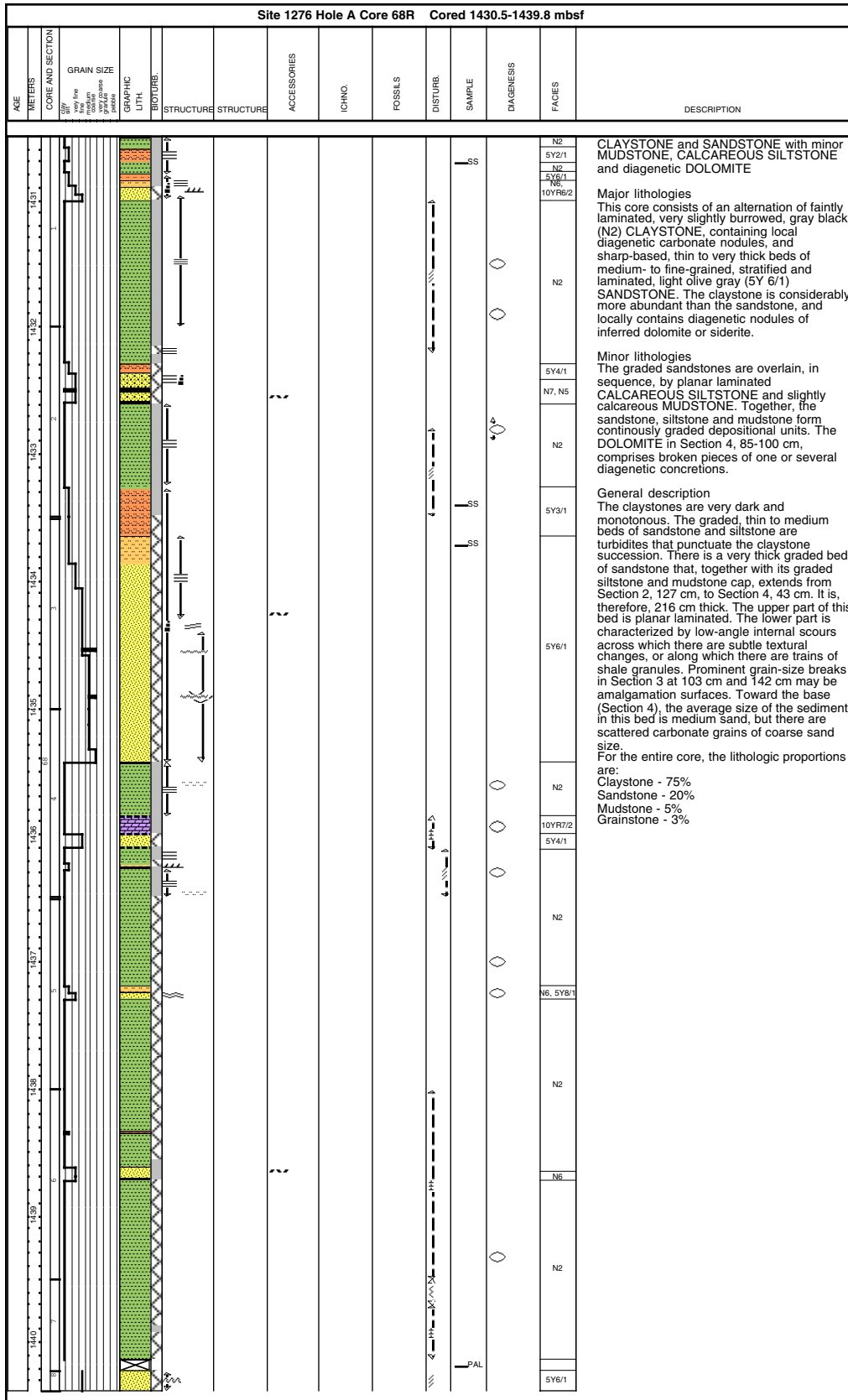
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VISUAL CORE DESCRIPTIONS, SITE 1276

Core Photo



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

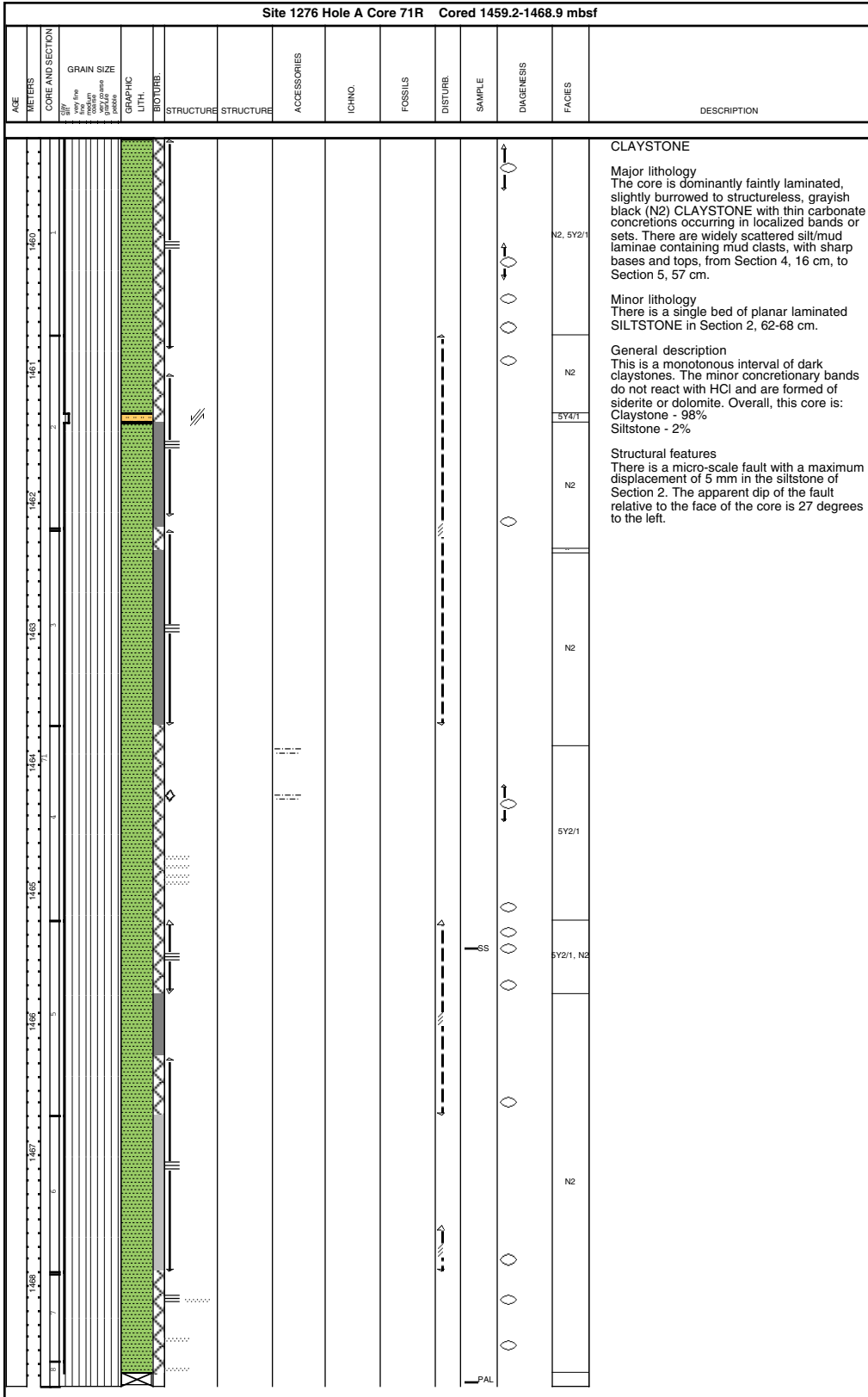
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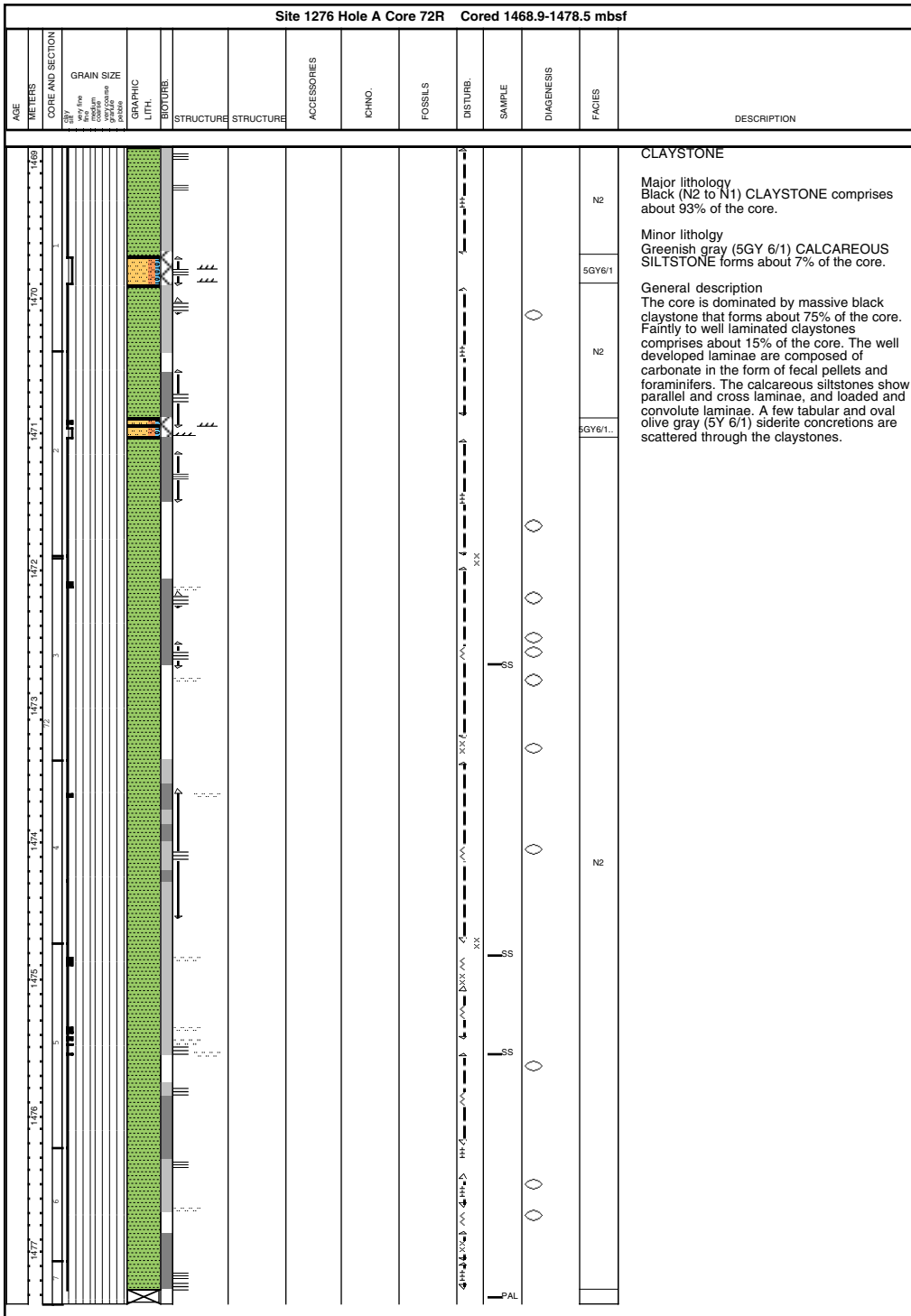
CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, SITE 1276

Core Photo

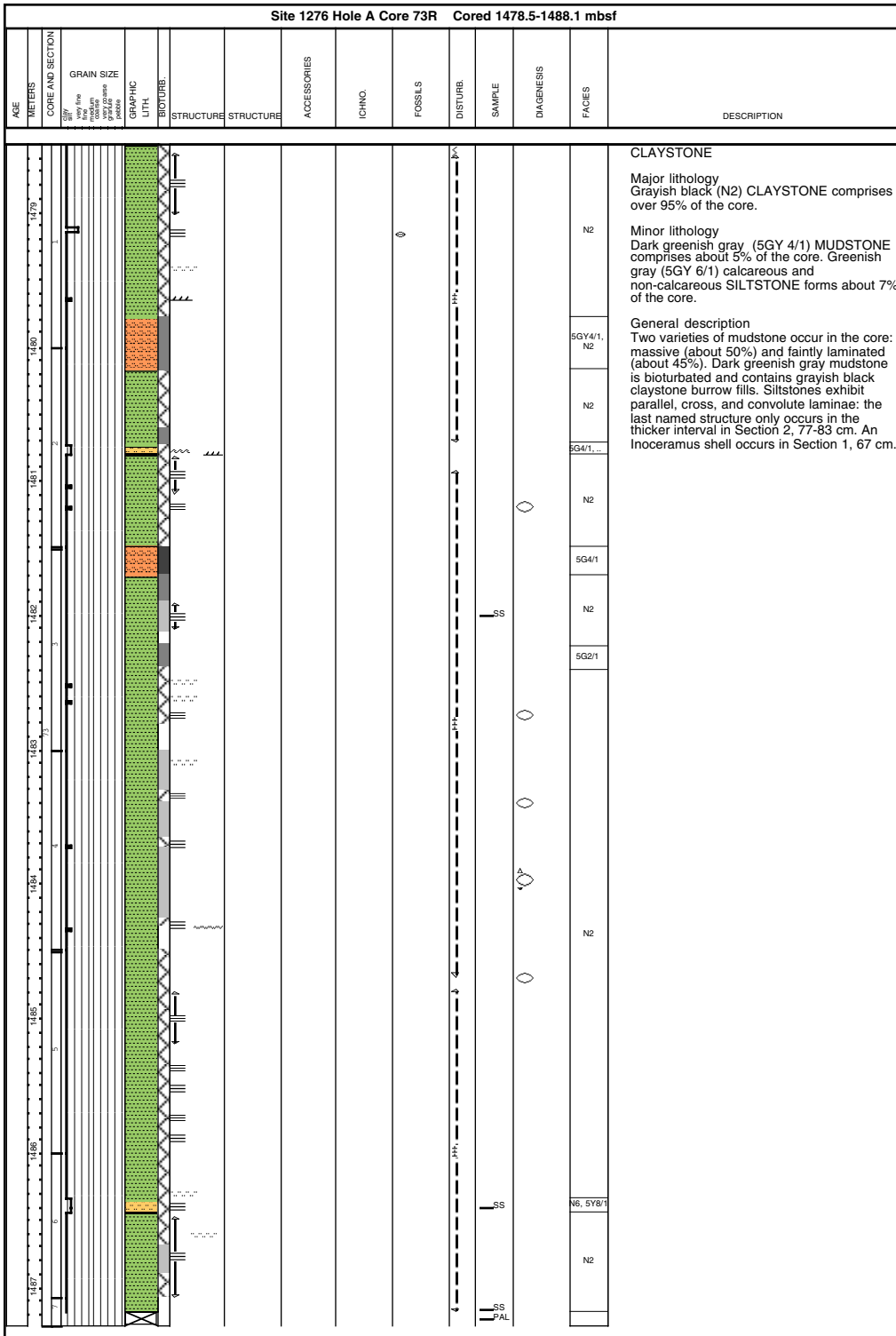


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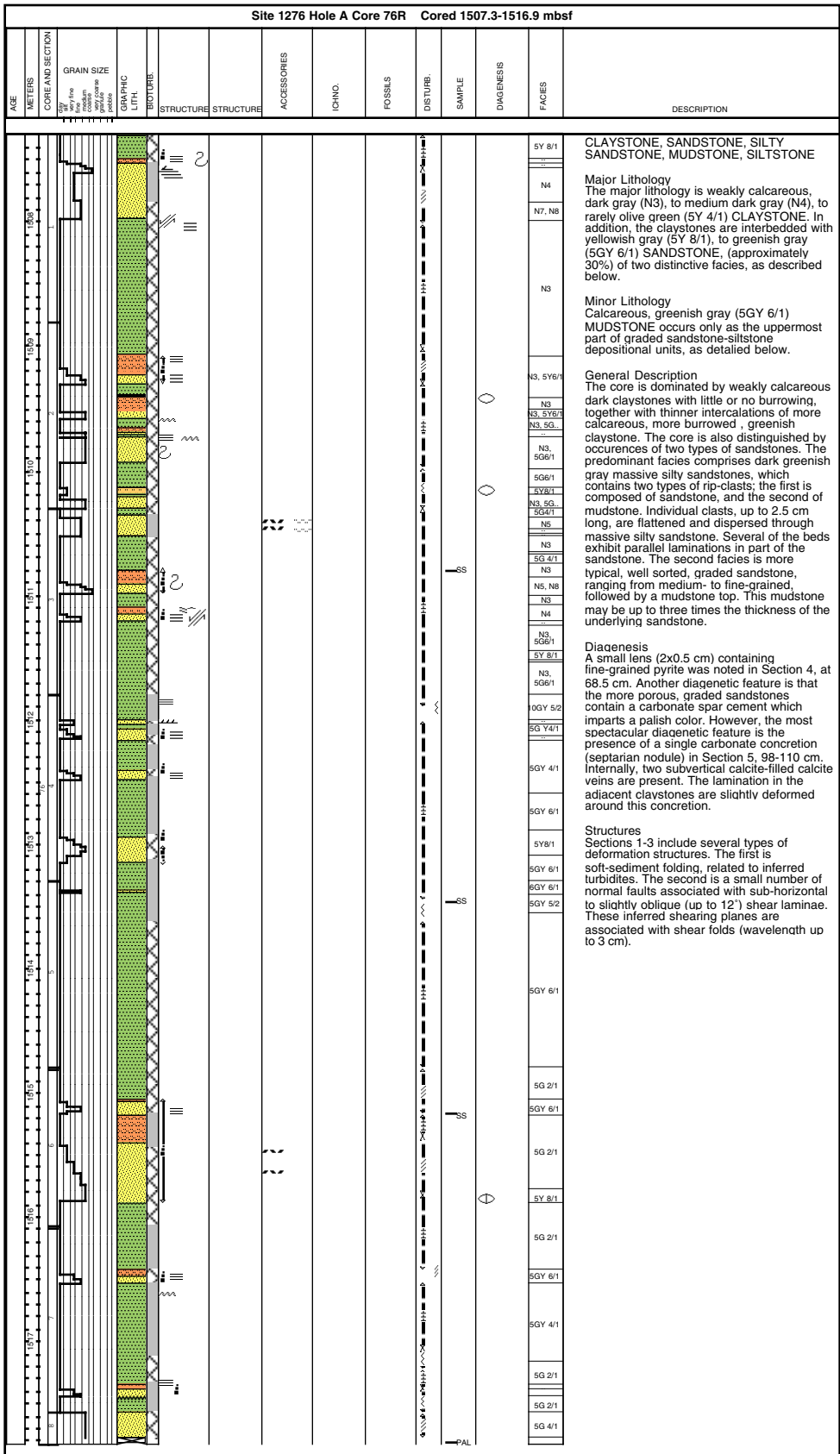


CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

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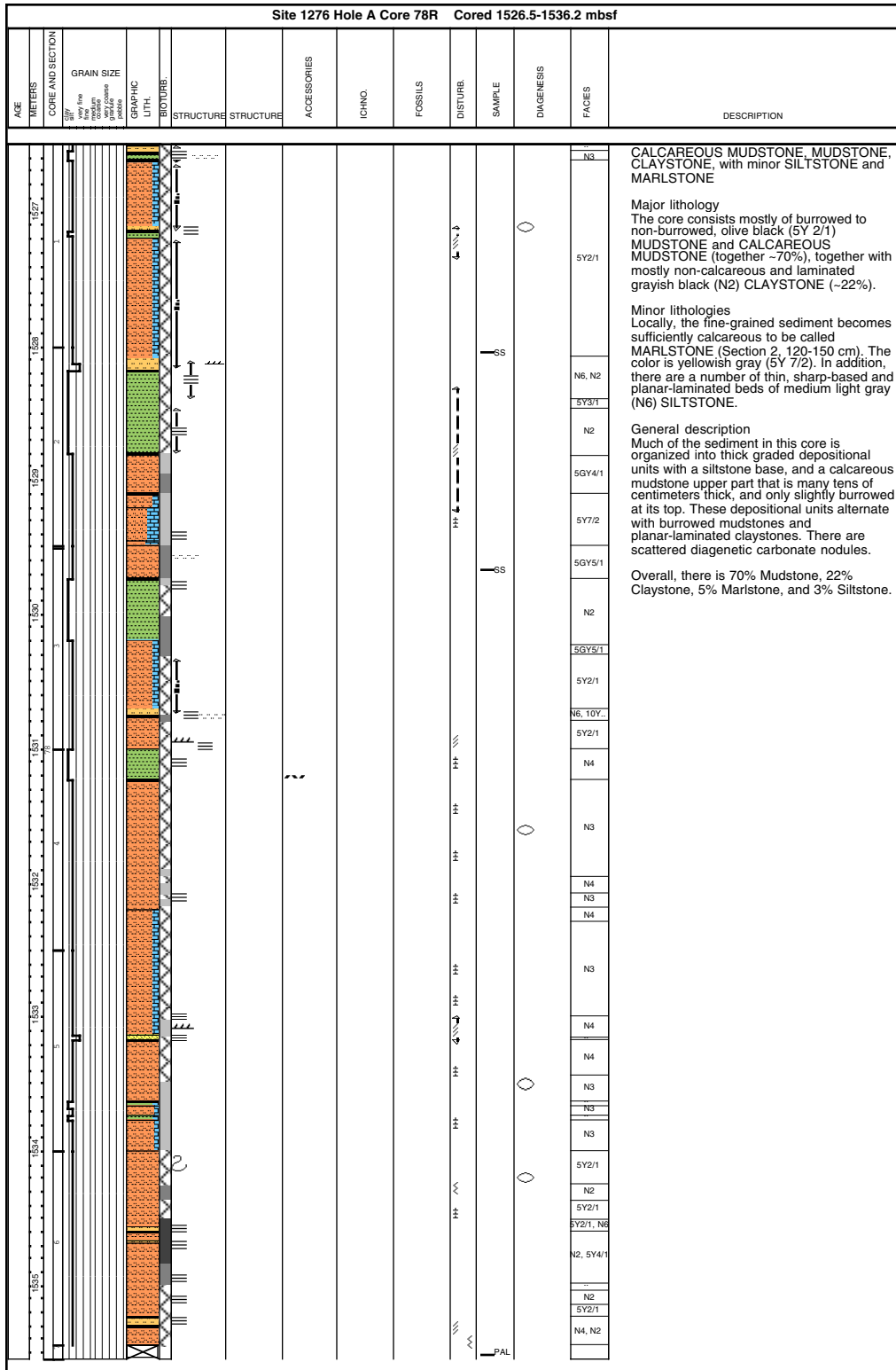


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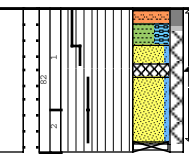
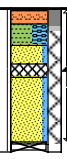
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VISUAL CORE DESCRIPTIONS, SITE 1276

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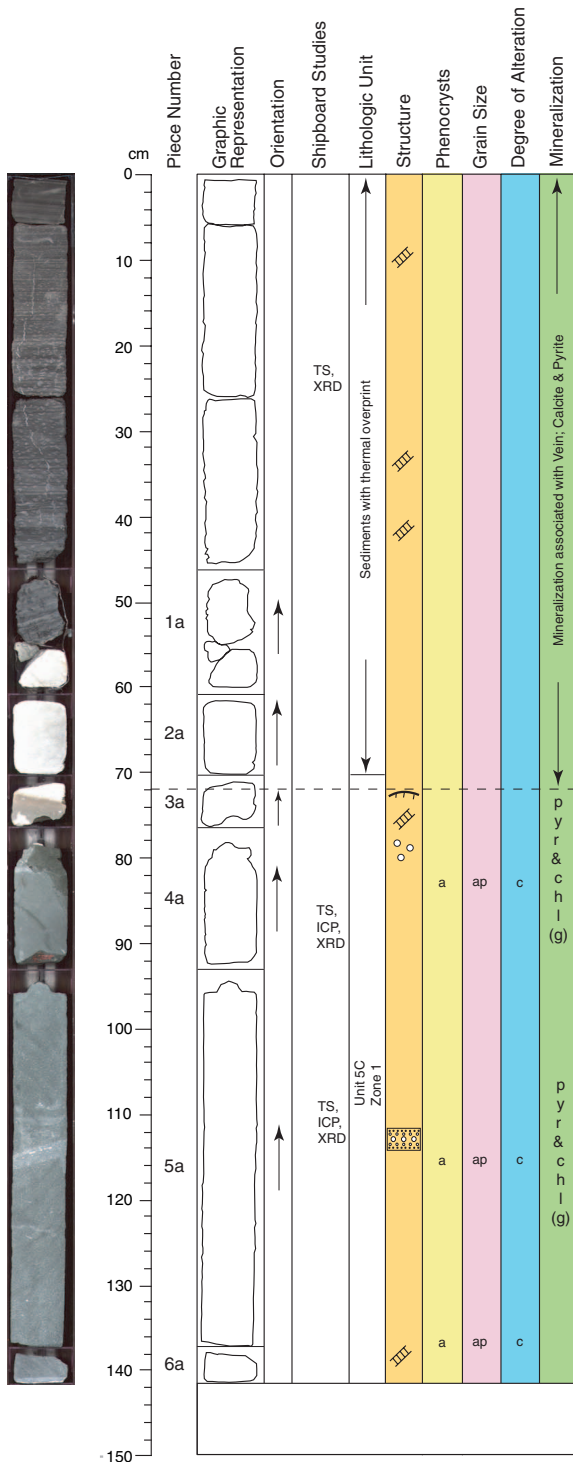


CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1276

Core Photo

| Site 1276 Hole A Core 82R Cored 1565.0-1574.5 mbsf | | | | | | | | | | | | | | | |
|--|-------|---|------------|---|-----------|-----------|-------------|--------|---------|----------|--------|------------|--------|-------------|--|
| AGE | TIERS | CORE AND SECTION | GRAIN SIZE | GRAPHIC | STRUCTURE | STRUCTURE | ACCESSORIES | ICHNO. | FOSSILS | DISTURB. | SAMPLE | DIAGENESIS | FACIES | DESCRIPTION | |
| | |  | |  | | | | | | | | | | | <p>CALCAREOUS SANDSTONE, MUDSTONE and MARLSTONE</p> <p>Major lithologies About 70% of this core is olive gray (5Y 5/1) CALCAREOUS SANDSTONE with scattered <1 mm shale chips throughout. The upper part of Section 1 is grayish green (5G 5/2) burrowed MUDSTONE that grades downward into dark gray (N3) MARLSTONE.</p> <p>General description This is a very short core because the flapper on the core barrel dropped into the bottom of the barrel, preventing greater recovery of rock. Except for the drilling breccia in Section 1, this appears to be part of a single graded depositional unit that passes upward from fine calcareous sandstone into very fine sandstone, marlstone, and eventually burrowed mudstone. Structures in the sandstone are mostly planar lamination. There are short intervals of convolute and low angle cross lamination. The lower part of the marlstone is thinly laminated.</p> |

Core Photo



210-1276A-87R-6 (Section top: 1601.08 mbsf)

UNIT 5C, Metasediments
 ROCK NAME: Hydrothermally altered mudstone and grainstone
 PIECES: Overlying sediments and Pieces 1a, 2a to top of 3a
 CONTACTS:
 Upper: Gradual contact with the overlying contact zone
 Lower: Gradual contact with the coarser grained fine-grained zone
 COLOR: Greenish gray
 ALTERATION: High
 VEINS: 1 mm-thick calcite and pyrite ore vein from 7-14 cm.
 STRUCTURE: Vertical vein within thermally altered unit. This vein shows some post-emplacement compaction
 ADDITIONAL COMMENTS:

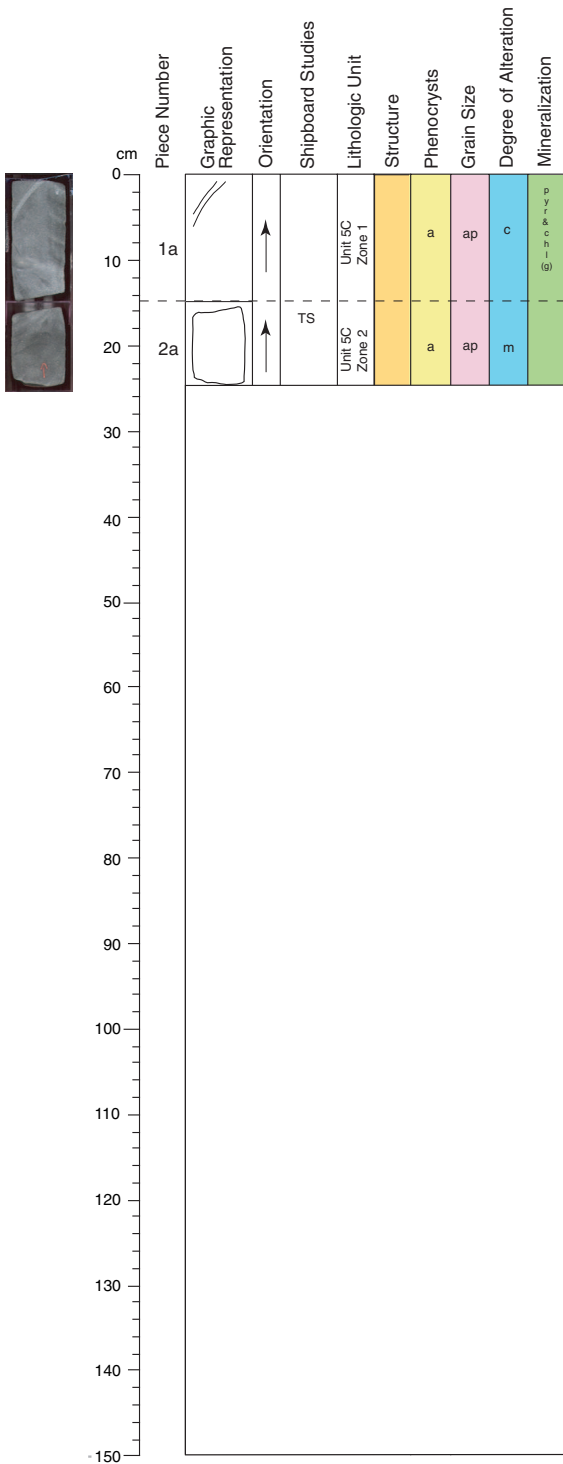
UNIT 5C (1), Zone 1 - Chilled margin
 ROCK NAME: Diabase
 PIECES: 3a-4a
 CONTACTS:
 Upper: A sharp clearly defined chilled margin contact were the sill; is in contact with the overlying meta-grainstone.
 Lower: Gradual contact with the lower aphyric zone
 COLOR: Greenish gray
 GROUNDMASS:
 Primary minerals: Plagioclase, with minor clinopyroxene, olivine and magnetite
 Accessory minerals: Apatite
 Secondary minerals: Chlorite, kaolinite, calcite, quartz and pyrite
 Grain size: 0.2-0.4 mm
 Texture: Intersertal

VEESICLES: Sparsely vesicular at the top near the chilled margin at 78-80 cm
 ALTERATION: Complete
 VEINS: Calcite vein at 76 cm, 1 mm thick; from 78-83 mm calcite vein <1 mm thick
 STRUCTURE: Chilled margin contact zone at the top of the sill with rare vesicles.
 ADDITIONAL COMMENTS: Contact of the sill with the sediments is preserved in Piece 3a.

UNIT 5C (1), Zone 1 - Aphanitic diabase
 ROCK NAME: Diabase
 PIECES: 5a-6a
 CONTACTS:
 Upper: Gradual contact with the overlying contact zone
 Lower: Gradual contact with the coarser grained diabase
 PHENOCRYSTS:
 Plagioclase <1% 0.6 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, magnetite, with minor clinopyroxene, and olivine
 Accessory minerals: Apatite
 Secondary minerals: Chlorite, kaolinite, calcite, quartz and pyrite
 Grain size: 0.2-0.4 mm
 Texture: Intersertal

ALTERATION: Alteration is intense to complete
 VEINS: Horizontal calcite vein (1-2 mm thick) at the base of the section (139 cm).
 ADDITIONAL COMMENTS: A lighter colored segregation band in Piece 5a (112-114 cm); contains up to 3% apatite.

Core Photo



210-1276A-87R-7 (Section top: 1602.70 mbsf)

UNIT 5C, Zone 1 - Aphanitic diabase

ROCK NAME: Diabase
 PIECES: 1a
 CONTACTS:
 Upper: Gradual contact with the overlying diabase
 Lower: Gradual contact into the coarser grained diabase of Zone 2

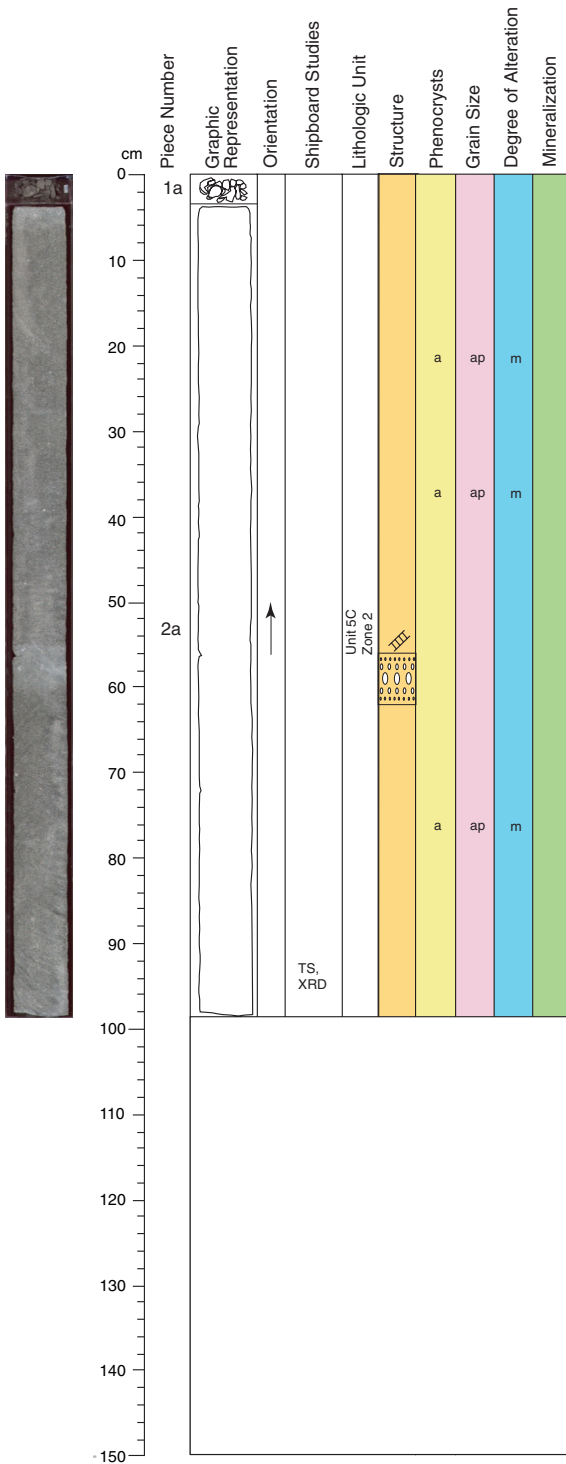
COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 0.6 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, and magnetite, with minor olivine
 Accessory minerals: Apatite
 Secondary minerals: Chlorite, kaolinite, calcite, quartz, pyrite.
 Grain size: 0.2 - 0.4 mm
 Texture: Intersertal
 ALTERATION: Complete
 ADDITIONAL COMMENTS:

UNIT 5C, Zone 2 - Aphanitic Diabase

ROCK NAME: Diabase
 PIECES: 2a
 CONTACTS:
 Upper: Gradual contact with the overlying diabase of Zone 1
 Lower: base of section

COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 1 mm
 Clinopyroxene <1% 1 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, with minor clinopyroxene, olivine, and magnetite
 Accessory minerals: Apatite
 Secondary minerals: Kaolinite, calcite, quartz, pyrite, and chlorite related to alteration, and serpentine
 Grain size: 0.4-0.5 mm
 Texture: Intergranular
 ALTERATION: Moderate
 ADDITIONAL COMMENTS: Apatite (up to 3%).

Core Photo



210-1276A-88R-1 (Section top: 1604.50 mbsf)

UNIT 5C, Zone 2 - Aphanitic diabase

ROCK NAME: Diabase

PIECES: 2a

CONTACTS:

Upper: Gradual contact with the overlying diabase

Lower: Bottom of section

COLOR: Greenish gray

PHENOCRYSTS:

Plagioclase <1% 3.2 mm

Clinopyroxene <1% 1 mm

GROUNDMASS:

Primary minerals: Plagioclase, clinopyroxene, and magnetite with minor olivine

Accessory minerals: Biotite and apatite

Secondary minerals: Smectite, kaolinite, quartz, and analcime

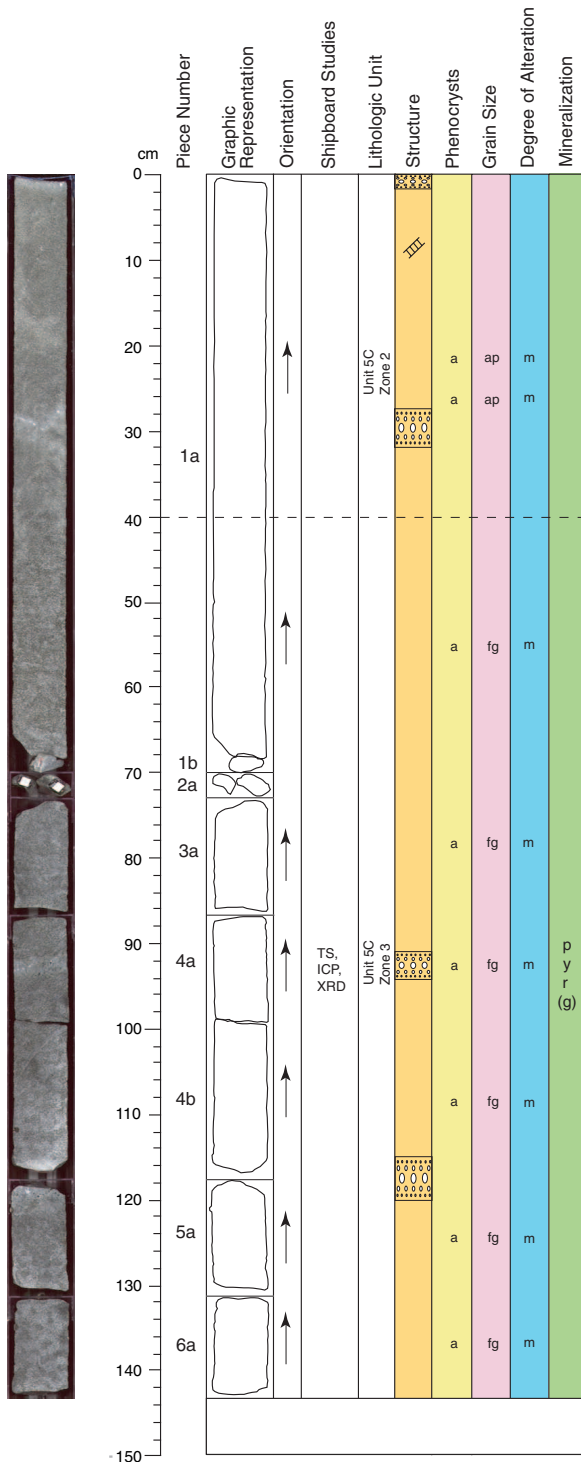
Grain size: 0.4-0.5 mm

Texture: Subophitic to intergranular

ALTERATION: Moderate

ADDITIONAL COMMENTS: Apatite is present (<5%). Piece 1a at the top of the core is drill breccia of claystone from the overlying units.

Core Photo



210-1276A-88R-2 (Section top: 1604.50 mbsf)

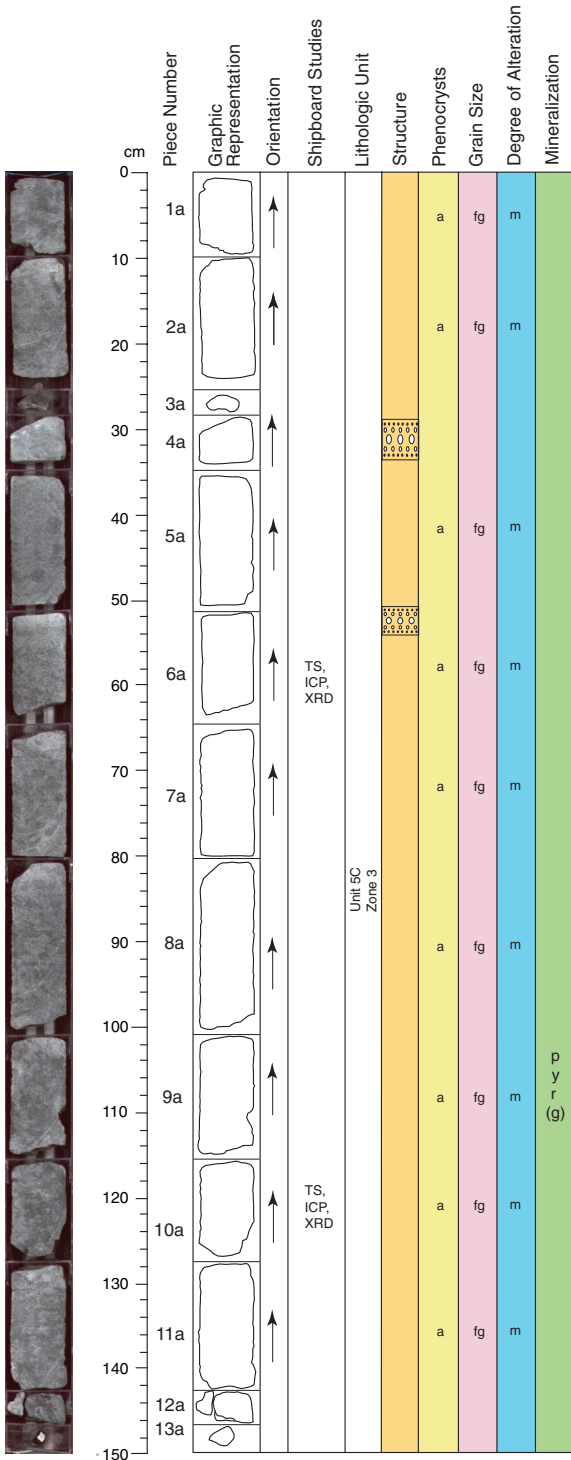
UNIT 5C, Zone 2 - Aphanitic diabase

ROCK NAME: Diabase
 PIECE: 1a to 40cm
 CONTACTS:
 Upper: Top of section
 Lower: Gradational contact into diabase of Zone 3 at 40 cm
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 3 mm
 Clinopyroxene <1% 1 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, and magnetite, with minor olivine
 Accessory minerals: Apatite and biotite
 Secondary minerals: Smectite, kaolinite, quartz, and analcime
 Grain size: 0.4 - 0.5 mm
 Texture: Subophitic to intergranular
 ALTERATION: Moderate
 VEINS: Mineralized fracture from 1-17 cm; <1 mm-thick vertical vein
 ADDITIONAL COMMENTS: Segregation bands in section between 0-2 cm and 28-32 cm.

UNIT 5C, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase
 SUMMARY DESCRIPTION:
 PIECE: 1a from 40 cm downwards, 1b-6a
 CONTACTS:
 Upper: Gradational contact with overlying aphanitic diabase of Zone 2 at 40 cm
 Lower: Bottom of section
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 1.4 mm
 Clinopyroxene <1% 1.5 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, magnetite, with minor olivine
 Accessory minerals: Apatite and biotite
 Secondary minerals: Smectite, kaolinite, quartz, and analcime
 Minor pyrite due to hydrothermal mineralisation.
 Grain size: 0.6 - 0.8 mm
 Texture: Intersertal to subophitic
 ALTERATION: Moderate
 ADDITIONAL COMMENTS: The rock contains apatite (3%-4%) and biotite (<1%). The original composition of the rock was rich in plagioclase (up to 60%), clinopyroxene (10%-20%) and glass (10%-20%). Segregation bands occur between 91-94 cm, and 115-120 cm. These bands contain zoned albite crystals up to 1 mm but no clinopyroxene indicating a high degree of alteration. Additionally, large calcite crystals (from 1.5-4 mm) and acicular pyrite are present. A microscopic pyrite vein was seen in thin section.

Core Photo



210-1276A-88R-3 (Section top: 1607.54 mbsf)

UNIT 5c, Zone 3 - Fine-grained Diabase

ROCK NAME: Diabase

PIECE: 1a - 13a

CONTACTS:

Upper: Top of section

Lower: Bottom of section

COLOR: Greenish gray

PHENOCRYSTS:

Plagioclase <1% 1.5 mm

GROUNDMASS:

Primary minerals: Plagioclase, clinopyroxene, magnetite with minor olivine

Accessory minerals: Apatite and biotite

Secondary minerals: Smectite, kaolinite, quartz, pyrite, analcime

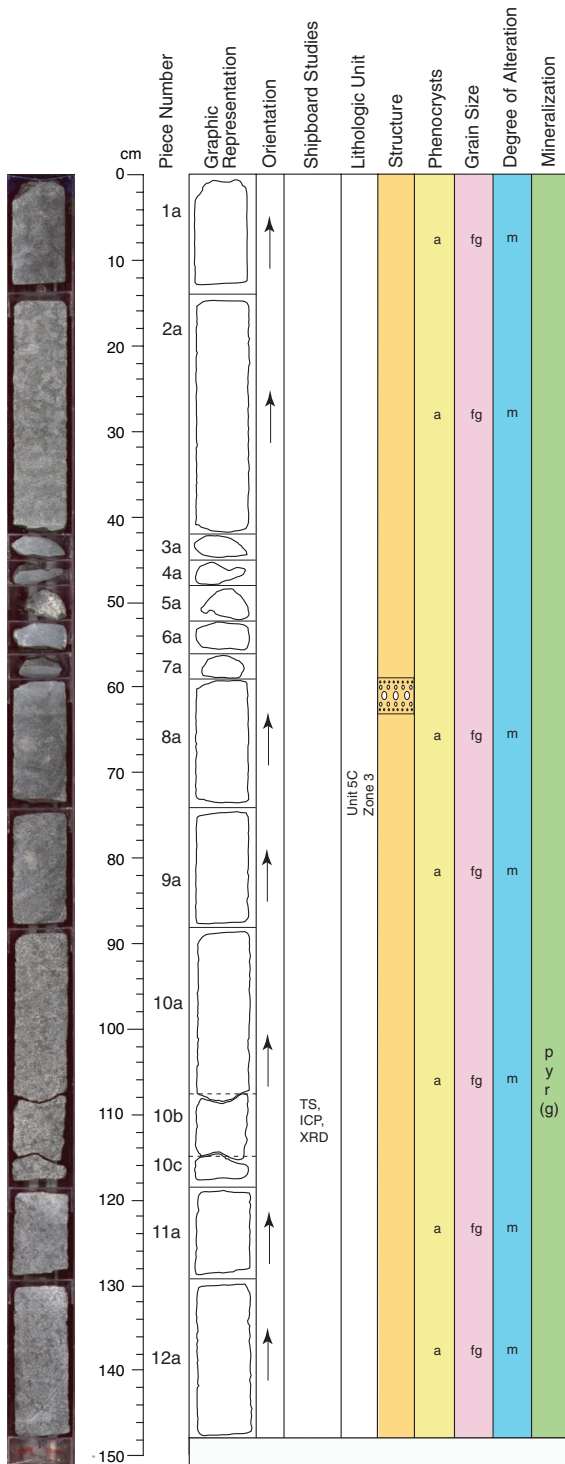
Grain size: 0.5 - 0.7 mm

Texture: Intersertal to subophitic

ALTERATION: Moderate

ADDITIONAL COMMENTS: Accessory apatite (2%) and biotite (1%) are present. Original rock composition rich in plagioclase (60%), clinopyroxene (10%-20%) and glass (10%-20%). Segregation bands occur at 29-34 cm, and 50-54 cm.

Core Photo

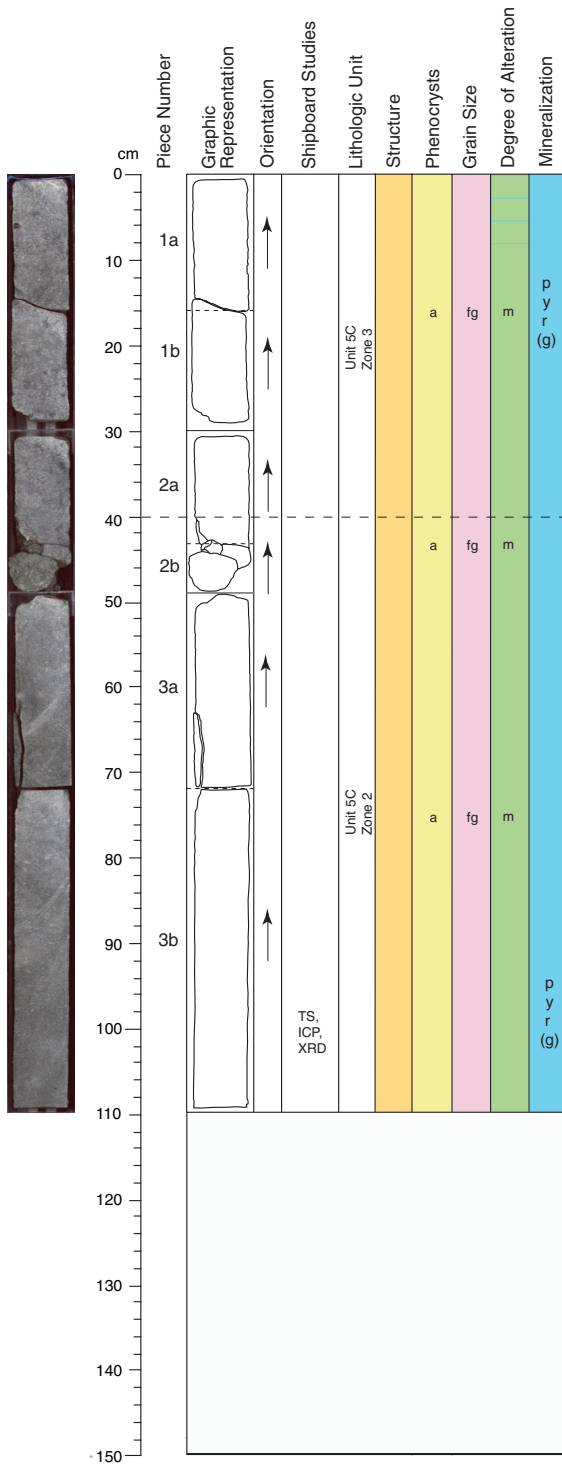


210-1276A-88R-4 (Section top: 1609.04 mbsf)

UNIT 5C, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 1a - 12a
 CONTACTS:
 Upper: Top of section
 Lower: Bottom of section
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 1.5-4.5 mm
 Clinopyroxene <1% 1 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, magnetite, with minor olivine
 Accessory minerals: Apatite and biotite
 Secondary minerals: Smectite, kaolinite, quartz, and analcime
 Grain size: 0.6 - 0.8 mm
 Texture: Intersertal to subophitic
 ALTERATION: Moderate - Mineral alteration up to 30%
 ADDITIONAL COMMENTS: Accessory apatite (4%) and biotite (<1%). Fluid inclusions in the pyroxenes are very frequent.

Core Photo



210-1276A-88R-5 (Section top: 1610.58 mbsf)

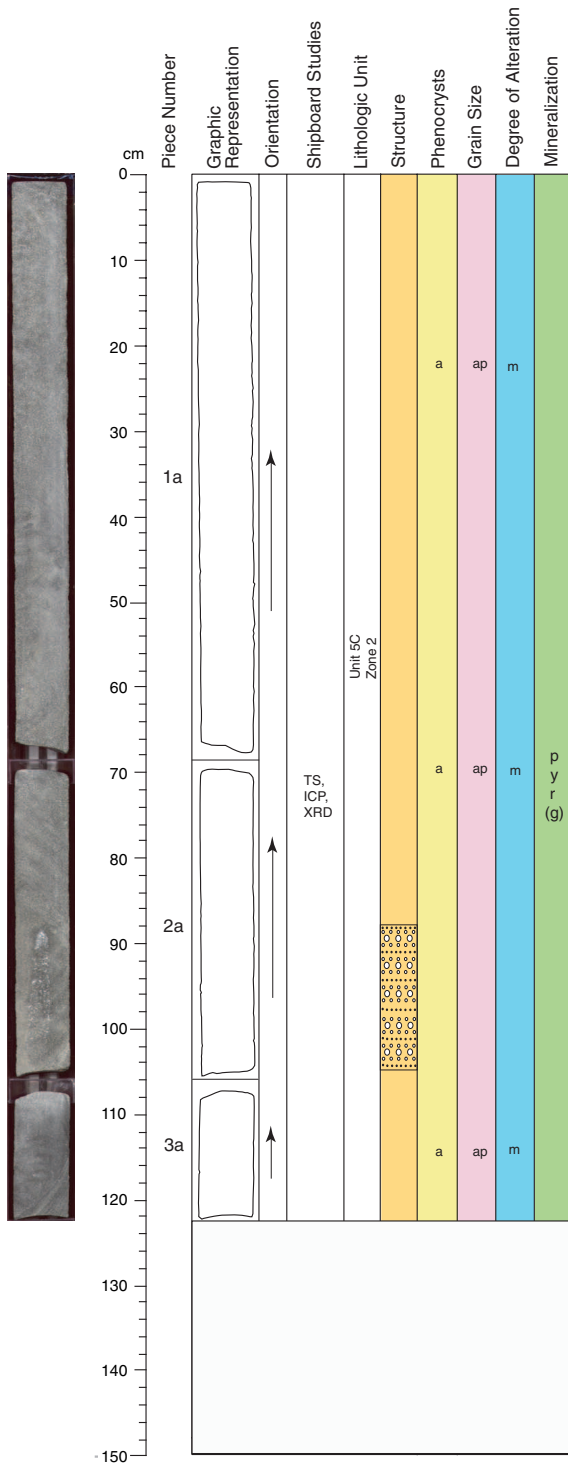
UNIT 5c, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 1a, 1b, 2a to 40 cm
 CONTACTS:
 Upper: Top of section
 Lower: Gradational contact into Zone 2 at contact of 40 cm
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 1.5 mm
 Clinopyroxene <1% 1 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, with minor magnetite, and olivine
 Accessory minerals: Biotite
 Secondary minerals: Smectite, kaolinite, quartz, analcime, and pyrite
 Grain size: 0.6 - 0.8 mm
 Texture: intersertal to subophitic
 ALTERATION: Moderate with 30% alteration of minerals.

UNIT 5c, Zone 2 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 2a from 40 cm downwards, 2b - 3b
 CONTACTS:
 Upper: Gradational contact into overlying Zone 3 (located at 40 cm)
 Lower: Bottom of section
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1% 1.5 mm
 Clinopyroxene <1% 1.5 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, with minor magnetite, and olivine
 Accessory minerals: Apatite and biotite
 Secondary minerals: Smectite, kaolinite, quartz, analcime, and pyrite
 Grain size: 0.6 - 0.8 mm
 Texture: Subophitic to intergranular
 ALTERATION: Moderate

Core Photo



210-1276A-88R-6 (Section top: 1612.11 mbsf)

UNIT 5c, Zone 2 - Aphanitic diabase

ROCK NAME: Diabase

PIECE: 1a - 3a

CONTACTS:

Upper: Top of section

Lower: Bottom of section

COLOR: Greenish gray

PHENOCRYSTS:

Plagioclase <1% 1 mm

Clinopyroxene <1% 1 mm

GROUNDMASS:

Primary minerals: Plagioclase, clinopyroxene, magnetite, and minor olivine

Accessory minerals: Apatite, biotite; possibly also ilmenite (XRD analysis)

Secondary minerals: Smectite, kaolinite, quartz, and pyrite

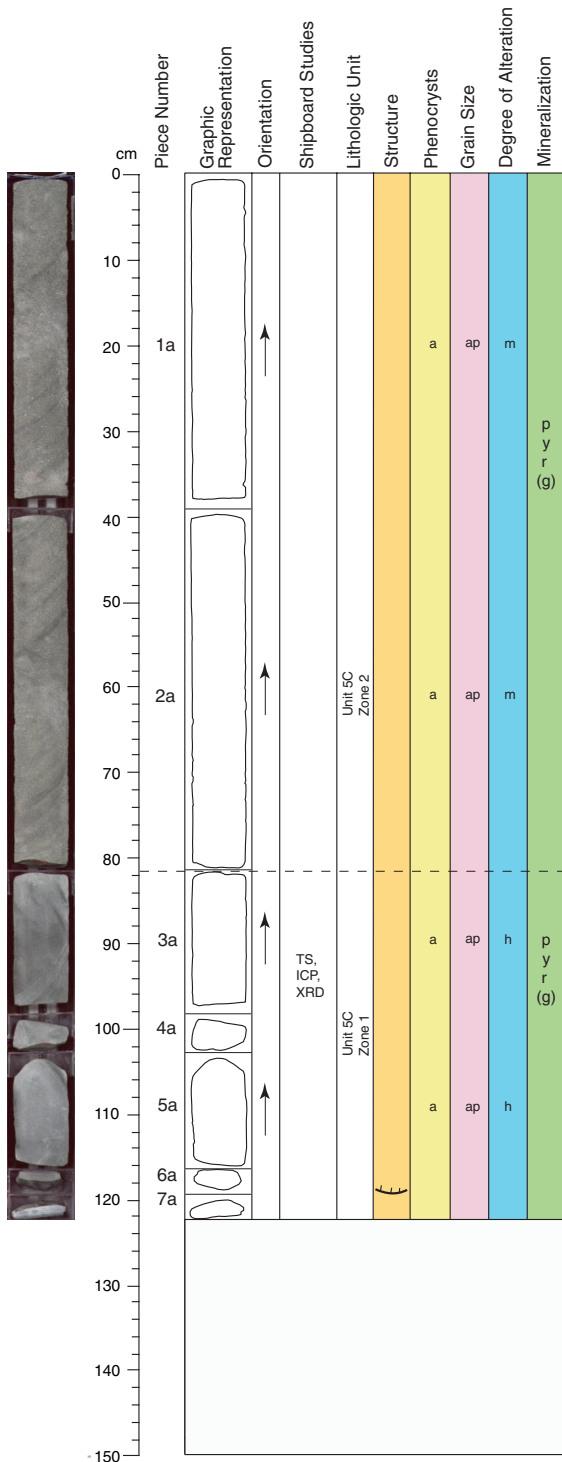
Grain size: 0.4-0.5 mm

Texture: Intersertal

ALTERATION: Moderate with 4%-50% altered minerals

ADDITIONAL COMMENTS: Apatite (up to 4%) and biotite (<1%) seen in thin section. Segregation band is present from 88 cm to 106 cm.

Core Photo



210-1276A-88R-7 (Section top: 1613.51 mbsf)

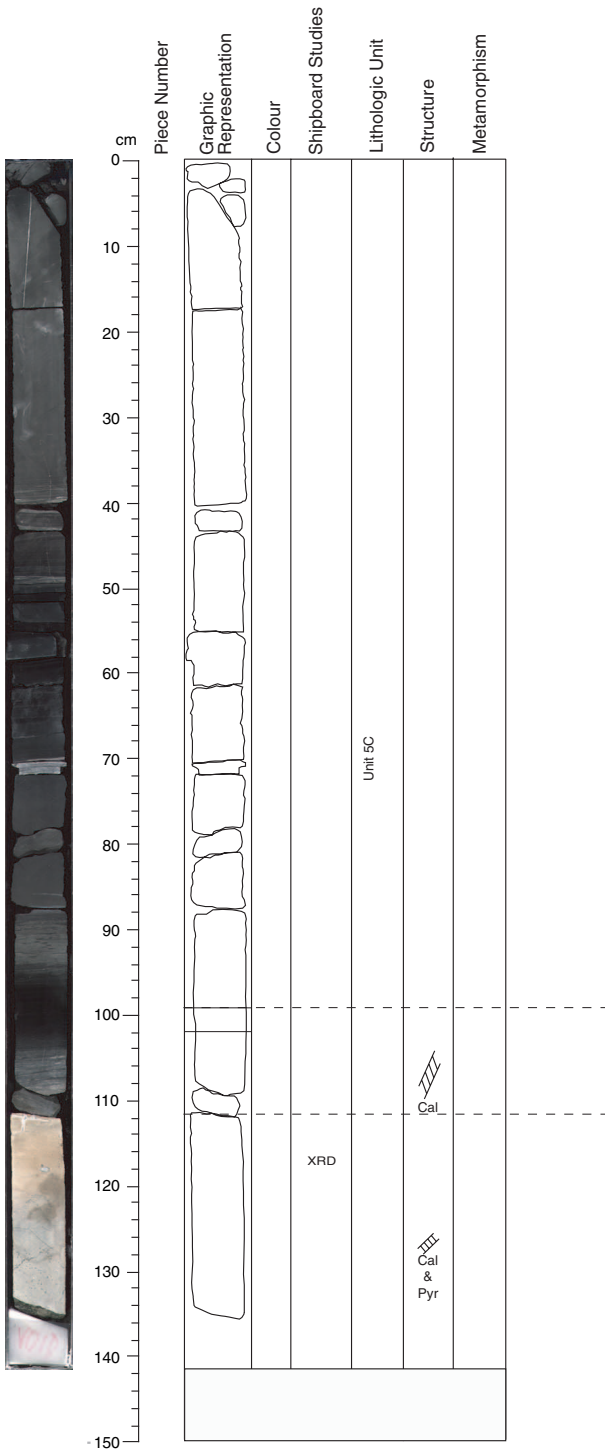
UNIT 5c, Zone 2 - Aphanitic diabase

ROCK NAME: Diabase
 PIECE: 1a and 2a to 81 cm
 CONTACTS:
 Upper: Top of section
 Lower: Gradual into Zone 1 (contact at 81 cm)
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1 % 1 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, magnetite, and minor olivine
 Accessory minerals: Apatite and biotite
 Secondary minerals: Smectite, kaolinite, quartz, and pyrite
 Grain size: 0.4-0.5 mm
 Texture: Intersertal
 ALTERATION: Moderate with 40%-50% altered minerals

UNIT 5c, Zone 1 - Aphanitic diabase

ROCK NAME: Diabase
 PIECE: 3a - 7a
 CONTACTS:
 Upper: Gradational contact into Zone 2 (contact at 81 cm)
 Lower: Chilled margin marks lower contact with underlying sediments
 COLOR: Greenish gray
 PHENOCRYSTS:
 Plagioclase <1 % 0.8-1 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, magnetite, and minor olivine
 Accessory minerals: Apatite and biotite
 Secondary minerals: Smectite, kaolinite, quartz, and pyrite
 Grain size: 0.4-0.6 mm
 Texture: Intersertal
 ALTERATION: High, with 60 - 70% altered minerals
 ADDITIONAL COMMENTS: Accessory apatite up to 3%.

Core Photo



210-1276A-98R-1 (Section top: 1710.10 mbsf)

UNIT5c, Sediments (0 - 99 cm)

ROCK NAME: Mudstone.

CONTACTS:

Lower: Lower contact with sill

ADDITIONAL COMMENTS: There is no evidence for a thermal overprint within the upper part of the section down to 99 cm. Sedimentary Visual Core Description Sheet for discussion of sediments.

UNIT 5c, Thermally altered mudstone (99 - 112 cm)

ROCK NAME: Mudstone

CONTACTS:

Lower: There is a possible weak thermal overprint in the lowermost sediments overlying the sill.

UNIT 5c, Diabase (112 - 134 cm)

ROCK NAME: Diabase

CONTACTS:

Upper: The actual contact to the sediments is not preserved.

Lower: Bottom of section

COLOR: Light brown

PHENOCRYSTS:

Plagioclase:

GROUNDMASS:

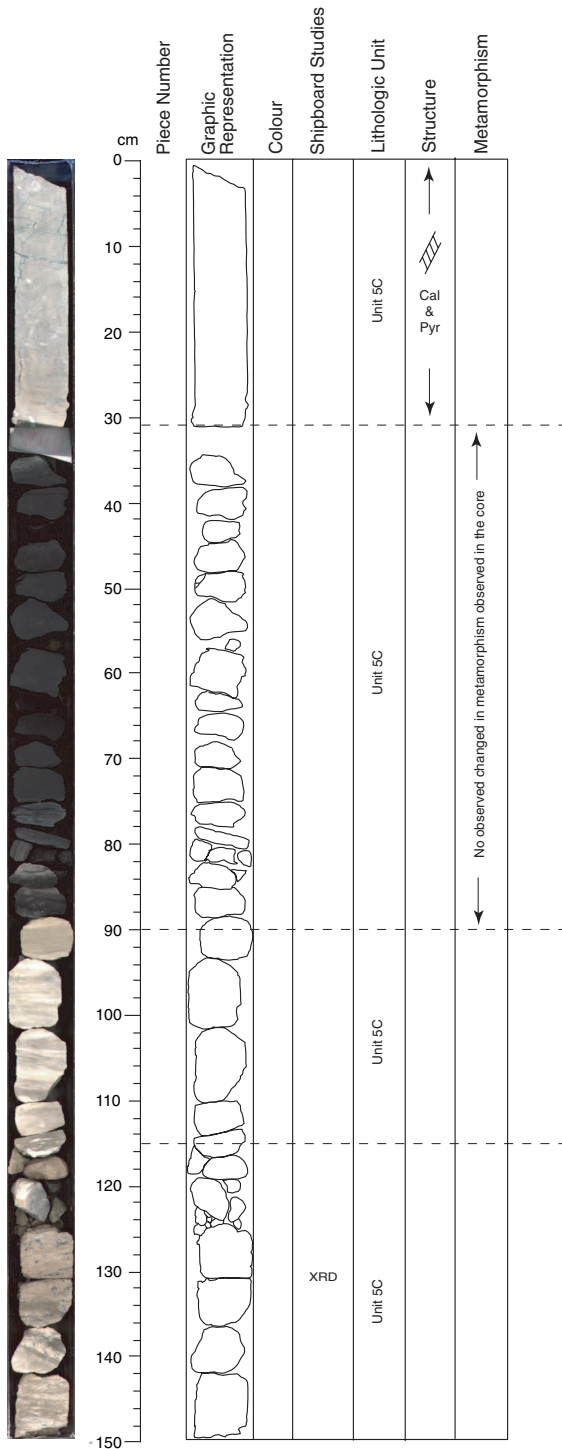
Primary minerals: Plagioclase

Secondary minerals: Clay minerals

ALTERATION: Moderate to complete

VEINS: Mineralized veins are present in the lower sill unit at 115 cm and at the base of the sill at 134 cm. These veins contain quartz.

Core Photo



210-1276A-98R-2 (Section top: 1711.51 mbsf)

UNIT 5c, Diabase (0 - 31 cm)

ROCK NAME: Diabase

CONTACTS:

Upper: Top of section
 a chilled margin is not recorded
 Lower: Lower contact at 31 cm does not preserve primary contact to sediments; no thermally altered contacts is recorded, indicating that it has not been recovered.

COLOR: Light brown

PHENOCRYSTS:

Plagioclase:

GROUNDMASS:

Primary minerals: Plagioclase
 Secondary minerals: Clay minerals

ALTERATION: Moderate to complete

VEINS: Mineralized veins are present in the lower sill unit between 0-31 cm. These veins contain calcite and pyrite.

ADDITIONAL COMMENTS:

UNIT5c, Sediments (31 - 90 cm)

ROCK NAME: Sedimentary rock in interval.

CONTACTS:

Upper: Contact with overlying sill. A chilled margin is not recorded; it may have been removed through drilling disturbance.
 Lower: These may have been removed through drilling disturbance.

COLOR: Light brown

ADDITIONAL COMMENTS: There is no thermal overprint evident in the core. See sedimentary Visual Core Description sheets for discussion of sediments.

UNIT5c, Sediments (90 - 115 cm)

ROCK NAME: Sedimentary rock in interval - Mudstone.

CONTACTS:

Upper: Contact with overlying sill. A chilled margin is not recorded; it may have been removed through drilling disturbance.
 Lower: Sharp contact with underlying sedimentary rock.

COLOR: Light brown

GROUNDMASS:

Grain size: Very fine grained
 Texture: Very finely laminated

ADDITIONAL COMMENTS: There is a change in colour between this and the overlying unit; perhaps due to hydrothermal alteration of the minerals but there is no mineralogical/thermal overprint evident in the core. See sedimentary Visual Core Description sheets for discussion of sediments.

UNIT5c, Sediments (115 - 150 cm)

ROCK NAME: Sedimentary rock in interval - Mudstone.

CONTACTS:

Upper: Contact with overlying sediments is not recorded; it may have been removed through drilling disturbance.
 Lower: Sharp contact with underlying sedimentary rock in Section 1276A-98R-3 at 18 cm.

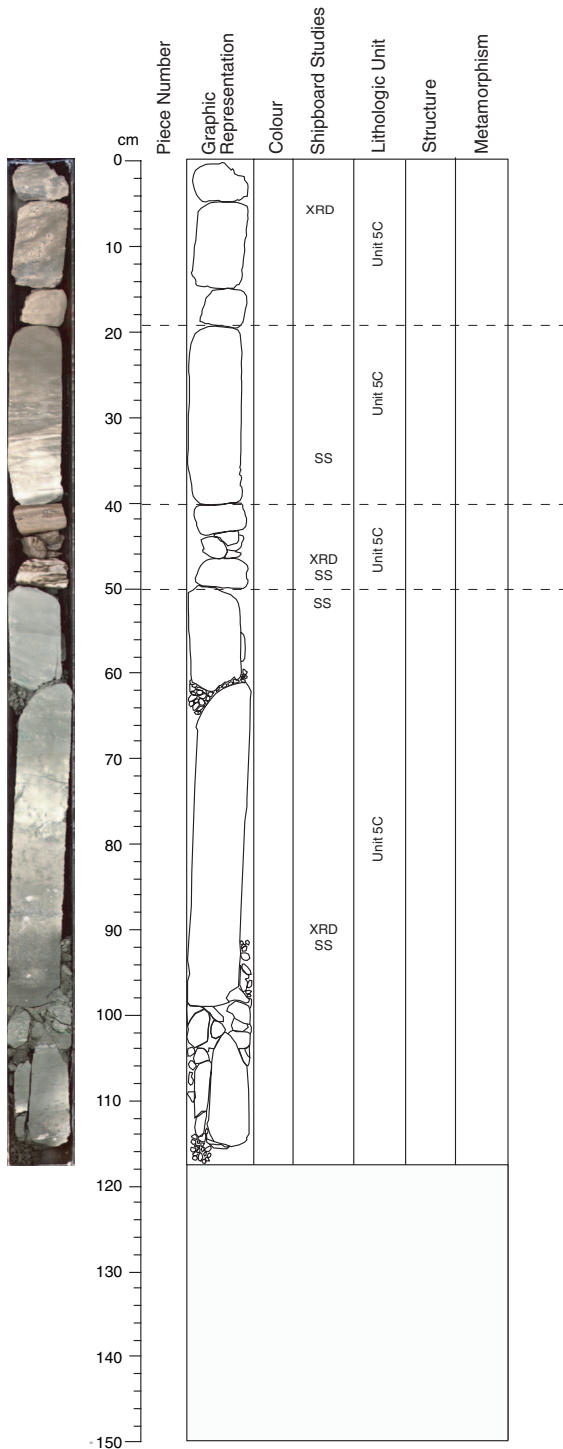
COLOR: Grayish brown

GROUNDMASS:

Grain size: Very fine grained
 Texture: Very finely laminated

ADDITIONAL COMMENTS: A massive faintly laminated grayish brown rock with patches of recrystallized minerals.

Core Photo



210-1276A-98R-3 (Section top: 1713.01 mbsf)

UNIT5c, Sediments (0 - 18 cm)

ROCK NAME: Sedimentary rock in interval.

CONTACTS:

Upper: Contact in Section 1276A-98R-2 at 115 cm with overlying sediments is not recorded; this may have been removed through drilling disturbance.

Lower: Sharp contact with underlying sedimentary rock.

COLOR: Greyish brown

GROUNDMASS:

Grain size: very fine grained

Texture: Very finely laminated

ADDITIONAL COMMENTS: A massive faintly laminated grayish brown rock with patches of recrystallized minerals.

UNIT 5c, Sediments (18 - 40 cm)

ROCK NAME: Sedimentary rock in interval - Mudstone.

CONTACTS:

Upper: Contact with overlying sill. A chilled margin is not recorded; this may have been removed through drilling disturbance.

Lower: Sharp contact with underlying sedimentary rock.

COLOR: Light brown

GROUNDMASS:

Grain size: Very fine grained

Texture: Very finely laminated

ADDITIONAL COMMENTS: This is similar to sediments of Section 1276A-98R-2, 90-115 cm. There are occasional recrystallized carbonates; <1.0 mm grain-sized carbonates are present in the upper part of the section.

UNIT 5c, Sediments (40 - 50 cm)

ROCK NAME: Sedimentary rock in interval.

CONTACTS:

Upper: Sharp contact with overlying interval

Lower: Sharp contact with underlying interval

COLOR: Brownish gray

ADDITIONAL COMMENTS: Claystone and carbonate sparry cement are present. The carbonate content is recrystallized.

UNIT 5c, Sediments (50 - 115 cm)

ROCK NAME: Claystone

CONTACTS:

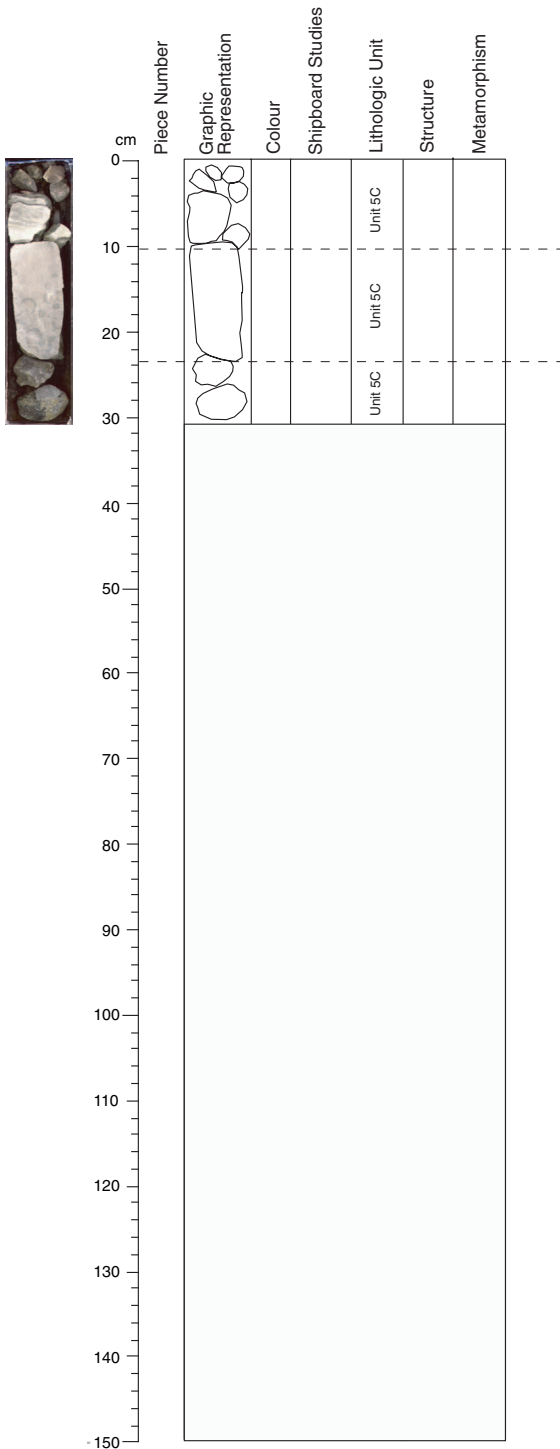
Upper: Sharp contact with overlying interval

Lower: Sharp contact with underlying interval

COLOR: Greenish gray

ADDITIONAL COMMENTS: This is a massive, structureless claystone unit. Crystals of white anhedral recrystallized minerals, localized in bands become more common and larger bands develop towards the base (these appear to be controlled by compositional variations within the interval). Smear slides samples taken at 90 cm show carbonate and mica in this interval.

Core Photo



210-1276A-98R-4 (Section top: 1714.18mbsf)

UNIT 5c, Sediments (50 - 115 cm)

ROCK NAME: Claystone

CONTACTS:

Upper: Sharp contact with overlying interval

Lower: Sharp contact with underlying interval

COLOR: Greenish gray

ADDITIONAL COMMENTS: This is a massive, structureless claystone unit similar to claystone of Section 1276A-98R-3. Occasional crystals of white anhedral recrystallized minerals localized in bands become more common and larger bands develop towards the base (these appear to be controlled by compositional variations within the interval). Smear slides samples taken in Section 1276A-98R-3, 90cm show carbonate and mica in this interval.

UNIT 5c, Diabase (10 - 23 cm)

ROCK NAME: Diabase

CONTACTS:

Upper: contact not recorded - disturbed by drilling

Lower: contact not recorded - disturbed by drilling

COLOR: light brown

GROUNDMASS:

Primary minerals: Plagioclase

Secondary minerals: Clay minerals

ALTERATION: Moderate to complete

UNIT 5c, Diabase (23 - 30 cm)

ROCK NAME: Diabase

CONTACTS:

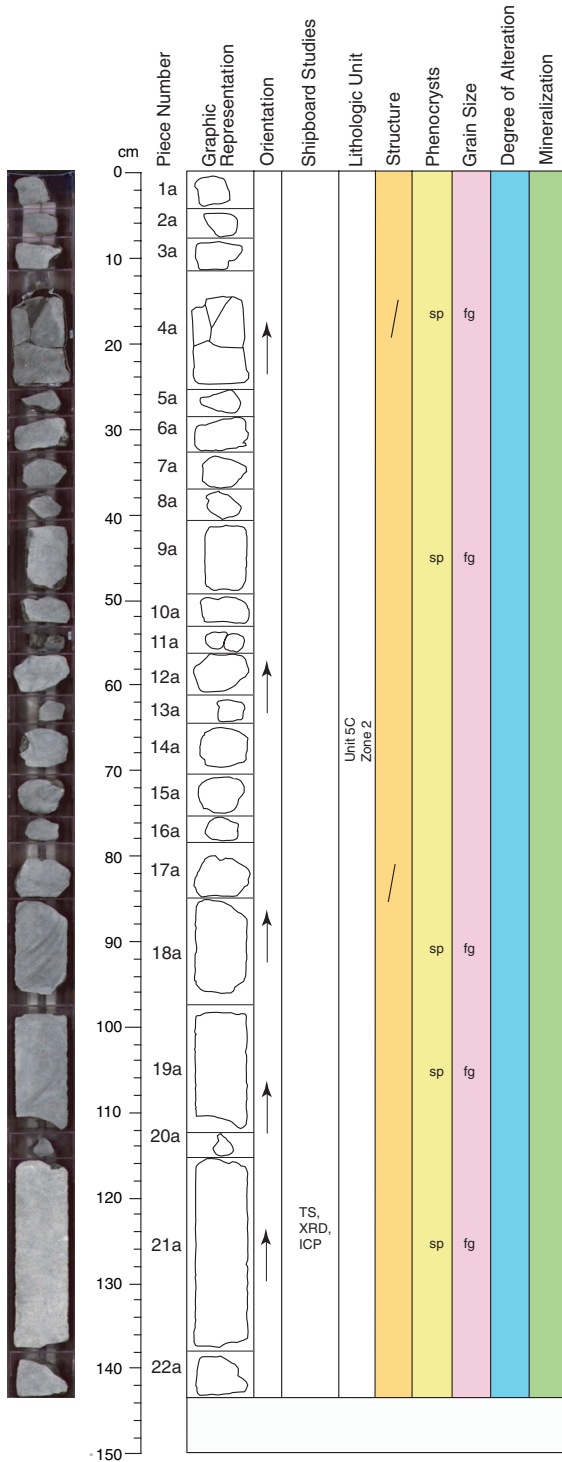
Upper: contact not recorded - disturbed by drilling

Lower: contact not recorded - disturbed by drilling

COLOR: Bluish gray

ADDITIONAL COMMENTS: This interval is composed of loose drilling breccia that appears to be aphyric diabase.

Core Photo



210-1276A-99R-1 (Section top: 1719.40 mbsf)

UNIT 5c, Zone 2, Fine-grained diabase

ROCK NAME: Diabase

PIECE: 1a to 22a

CONTACTS:

Upper: Top of section

Lower: Bottom of section

COLOR: Bluish gray

PHENOCRYSTS:

Clinopyroxene <1% 1-2 mm

GROUNDMASS:

Primary minerals: Plagioclase, clinopyroxene, magnetite, and minor olivine

Secondary minerals: Clay minerals, zeolite, calcite, chlorite, pyrite, analcime, and serpentine

Grain size: 0.6 - 0.8 mm

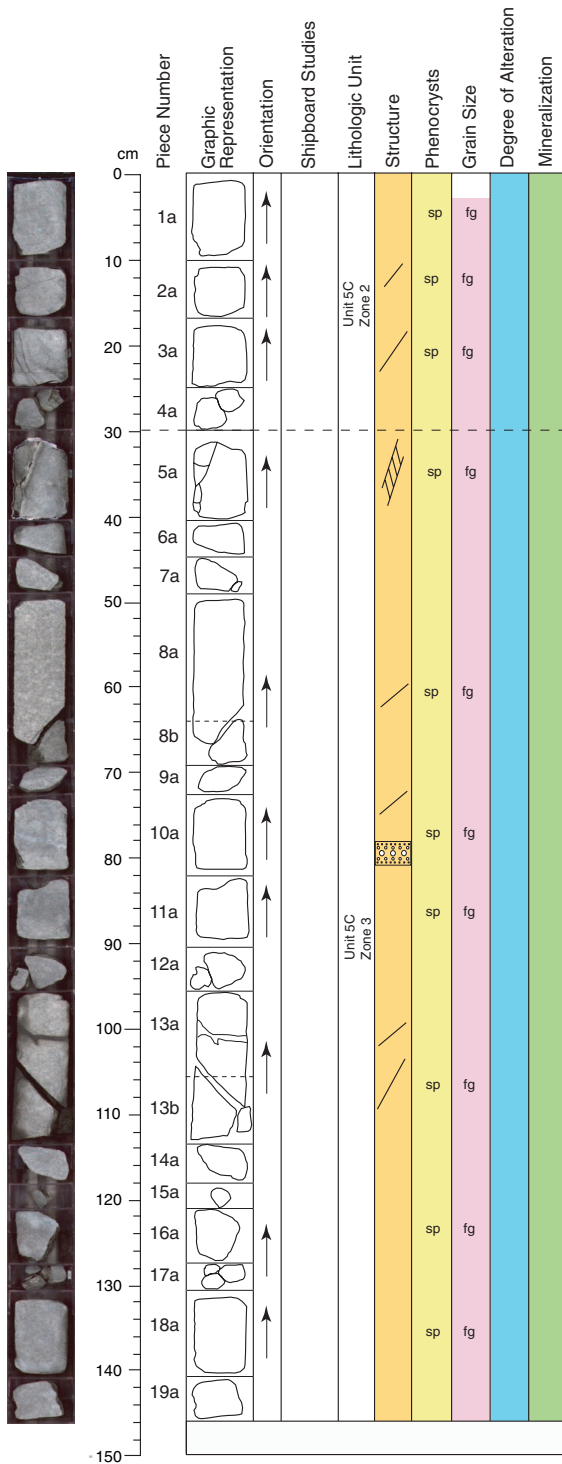
Texture: Ophitic to subophitic

ALTERATION: Alteration approximately 50%

VEINS:

ADDITIONAL COMMENTS: Fractures are recorded in section 1 at 15-20cm and 83cm. These are not mineralized. Accessory apatite is seen in thin section. The original composition of the rock is rich in plagioclase (40%-50%), clinopyroxene (20%-30%), and glass (<10%).

Core Photo



210-1276A-99R-2 (Section top: 1720.83 mbsf)

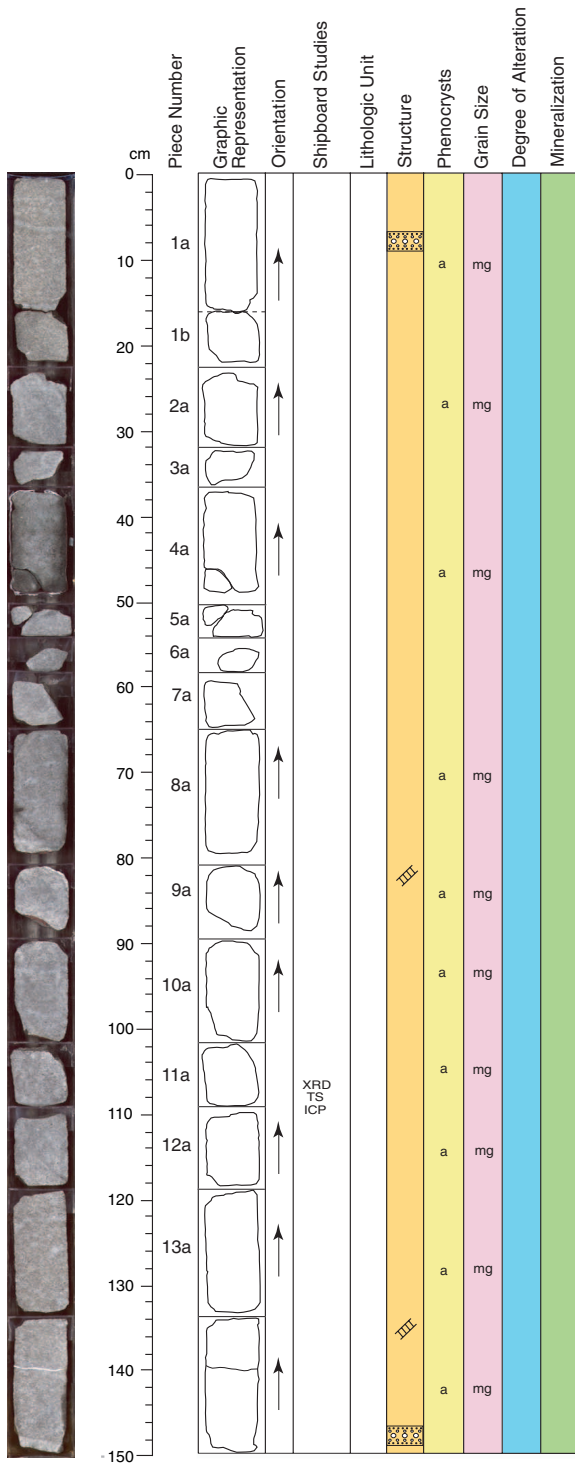
UNIT 5c, Zone 2 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 1a - 4a
 CONTACTS:
 Upper: Top of section
 Lower: Bottom of section
 COLOR: Blueish gray
 PHENOCRYSTS:
 Clinopyroxene: <1% 1-2 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, minor olivine, magnetite
 Secondary minerals: Clay, chlorite, pyrite
 Grain size: 0.6-0.8 mm
 Texture: Ophitic to subophitic
 ALTERATION: 50%
 ADDITIONAL COMMENTS: Fractures are recorded in this section at 11 cm and 18-24 cm; these are not mineralized.

UNIT 5c, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 5a - 19a
 CONTACTS:
 Upper: The upper contact is placed between Piece 4a and Piece 5a at 30cm
 Lower: Bottom of section
 COLOR: Bluish gray
 PHENOCRYSTS:
 Clinopyroxene 30% 4-5 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, olivine, magnetite
 Secondary minerals: Clay, chlorite, pyrite, and clcrite
 Grain size: 0.6-0.8 mm
 Texture: Ophitic to subophitic
 ALTERATION:
 VEINS: A mineralized vein is recorded between 30-39 cm.
 ADDITIONAL COMMENTS: Apatite (<3%) is present as accessory mineral.

Core Photo



210-1276A-99R-3 (Section top: 1722.29 mbsf)

UNIT 5c, Zone 3- Fine-grained diabase

ROCK NAME: Diabase

PIECE: 1a-14a

CONTACTS:

Upper: Top of section

Lower: Bottom of section

COLOR: Blueish gray

PHENOCRYSTS:

Clinopyroxene 30% 4-5 mm

GROUNDMASS:

Primary minerals: plagioclase, clinopyroxene, olivine, magnetite

Secondary minerals: clay, chlorite, pyrite, analcime, serpentine

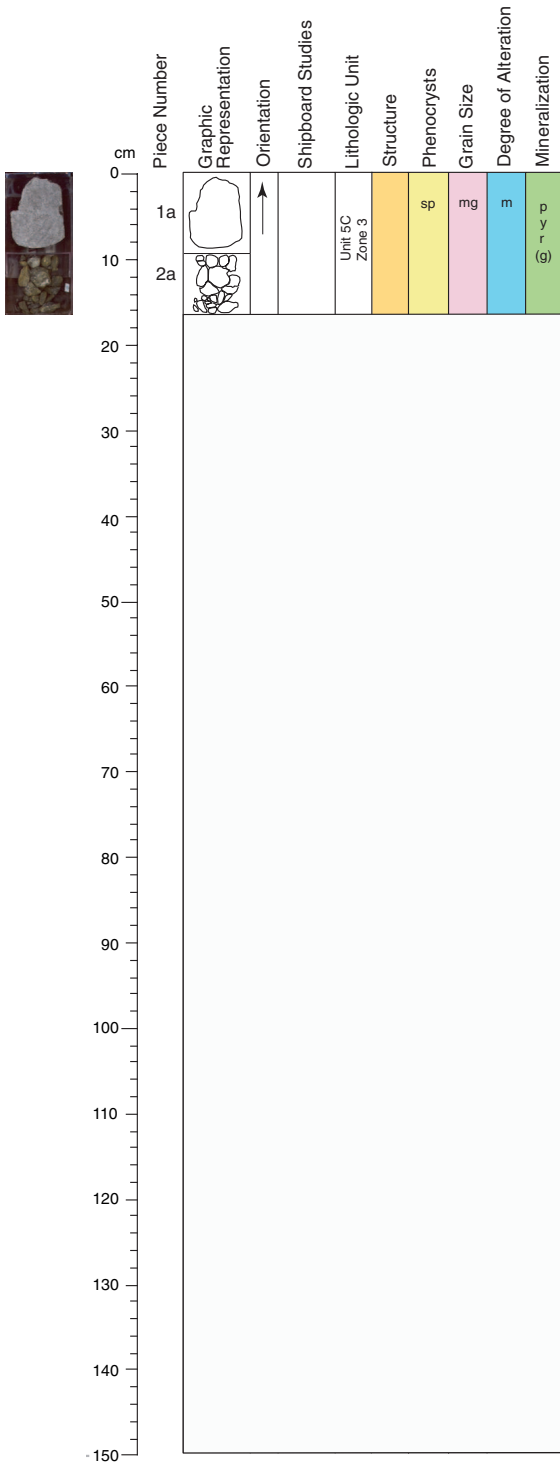
Grain size: 0.6-0.8 mm

Texture: Ophitic to subophitic

ALTERATION: Moderate

ADDITIONAL COMMENTS: Apatite (<2%) occurs as accessory mineral.

Core Photo



210-1276A-99R-4 (Section top: 1723.79 mbsf)

UNIT 5c, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase

PIECE: 1a and 2a

CONTACTS:

Upper: Top of section

Lower: Bottom of section

COLOR: Bluish gray

PHENOCRYSTS:

Clinopyroxene 30% 4-5 mm

GROUNDMASS:

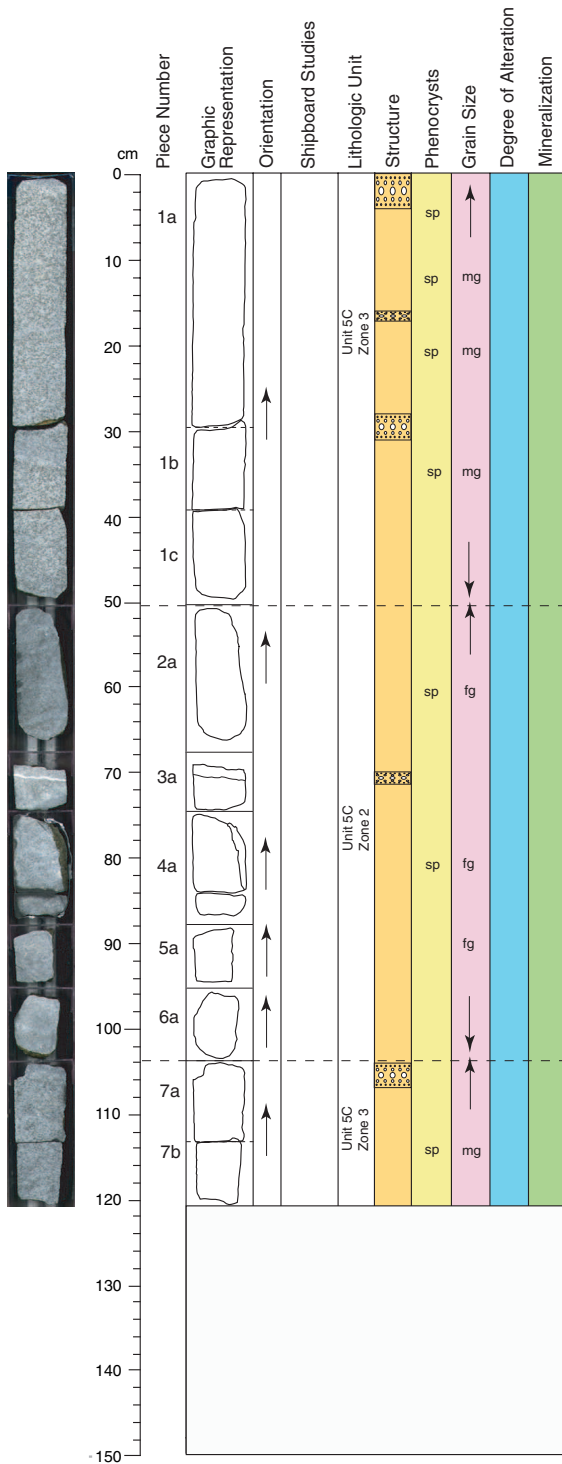
Primary minerals: plagioclase, clinopyroxene, olivine, magnetite

Secondary minerals: clay, chlorite, pyrite

Grain size: 0.6 - 0.8 cm

Texture: Ophitic to subophitic

Core Photo



210-1276A-99R-5 (Section top: 1723.96 mbsf)

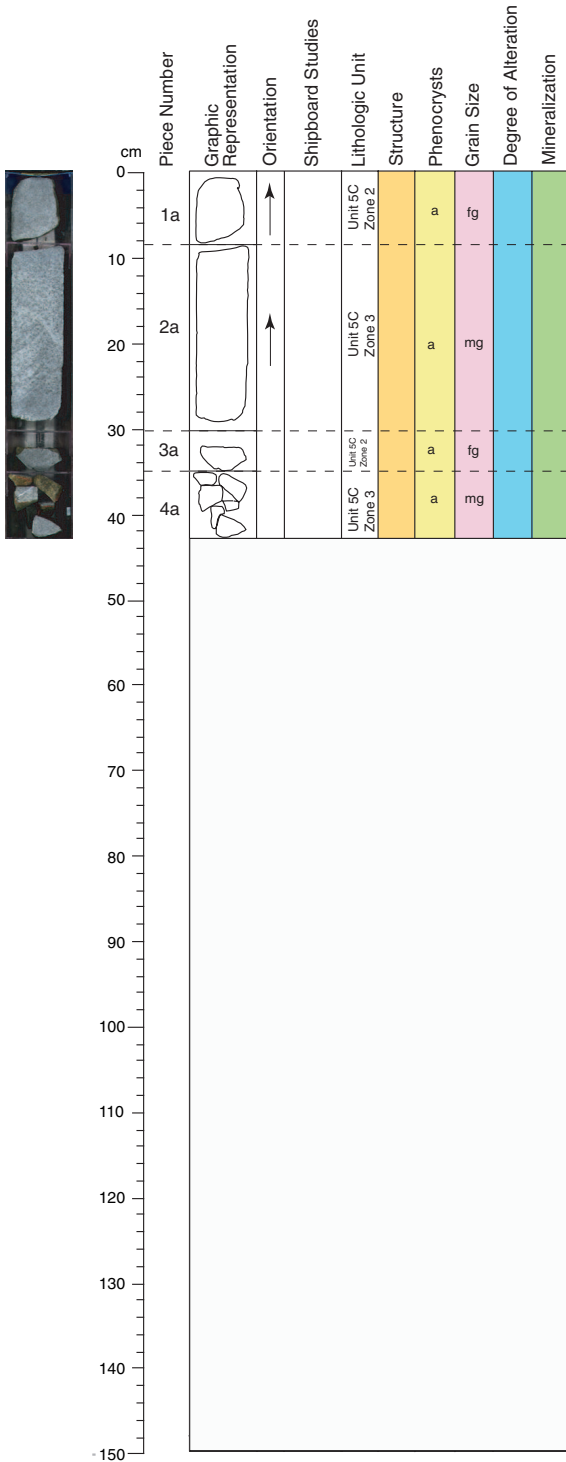
UNIT 5c, Zone 2 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 2a - 6a
 CONTACTS:
 PIECE: 2a - 6a:
 Upper: The upper contact is placed between Piece 1c and Piece 2a at 50 cm.
 Lower: The lower contact with Zone 3 is placed between Piece 6a and Piece 7a at 103 cm.
 COLOR: Bluish Gray
 PHENOCRYSTS:
 Clinopyroxene <1% 1-2 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, magnetite, and olivine
 Secondary minerals: Clay, chlorite, and pyrite
 Grain size: 0.6-0.8 mm
 Texture: Ophitic to subophitic
 ALTERATION: Moderate
 ADDITIONAL COMMENTS: A single segregation band is recorded at 70-72 cm. Section 5 is out of place and pieces may not be in correct order.

UNIT 5c, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase
 PIECE: 1a -1c, and 7a and 7b
 CONTACTS:
 PIECE: 1a - 1c:
 Upper: The upper contact with Zone 2 is placed between Sections 4 and 5 at the base of Section 4
 Lower: The lower contact is placed between Piece 1c and Piece 2a at 50 cm
 PIECE: 7a and 7b :
 Upper: The upper contact with Zone 2 is placed between Piece 6a and Piece 7a at 103 cm.
 Lower: The lower contact with Zone 2 is placed at the base of Section 5.
 COLOR: Bluish gray
 PHENOCRYSTS:
 Clinopyroxene 30% 4-5 mm
 GROUNDMASS:
 Primary minerals: Plagioclase, clinopyroxene, magnetite, and olivine
 Secondary minerals: Clay, chlorite, and pyrite
 Texture: Ophitic to subophitic
 ALTERATION: Moderate
 ADDITIONAL COMMENTS: In the upper Zone 3 interval segregation bands are recorded at 0-4 cm, 16-17 cm, and 28-32 cm. In the lower Zone 3 interval a single segregation band and is recorded at 104-107 cm. Section 5 is out of place and pieces may not be in correct order.

Core Photo



210-1276A-99R-6 (Section top: 1725.16 mbsf)

UNIT 5c, Zone 2 - Fine-grained diabase

ROCK NAME: Diabase

PIECE: 1a and 3a

CONTACTS:

PIECE: 1a:

Upper: The upper contact with Zone 3 is placed between Sections 5 and 6 at the base of Section 5.

Lower: The lower contact is placed between Piece 1a and Piece 2a at 8 cm.

PIECE: 3a:

Upper: The upper contact with Zone 3 is placed between Piece 2a and Piece 3a at 30 cm.

Lower: The lower contact with Zone 3 is placed between Piece 3a and Piece 4a at 35 cm.

COLOR: Bluish gray

PHENOCRYSTS:

Clinopyroxene <1% 1-2 mm

GROUNDMASS:

Primary minerals: Plagioclase, clinopyroxene, magnetite, and olivine

Secondary minerals: Clay, chlorite, and pyrite

Grain size: 0.6-0.8 mm

Texture: Ophitic to subophitic

ALTERATION:

ADDITIONAL COMMENTS: Section 6 is out of order and pieces may not be in correct order.

UNIT 5c, Zone 3 - Fine-grained diabase

ROCK NAME: Diabase

PIECE: 2a and 4a

CONTACTS:

PIECE: 2a:

Upper: The upper contact with Zone 2 is placed between Piece 1a and Piece 2a at 8 cm.

Lower: The lower contact is placed between Piece 2a and Piece 3a at 30 cm.

PIECE: 4a :

Upper: The upper contact with Zone 2 is placed between Piece 3a and Piece 4a at 35 cm.

Lower: The lower contact with Zone 2 is placed at the base of the core. The underlying sediments and the baked margin contact of the Zone 1 type are not recovered.

COLOR: Bluish gray

PHENOCRYSTS:

Clinopyroxene 30% 4-5 mm

GROUNDMASS:

Primary minerals: Plagioclase, clinopyroxene, olivine, and magnetite

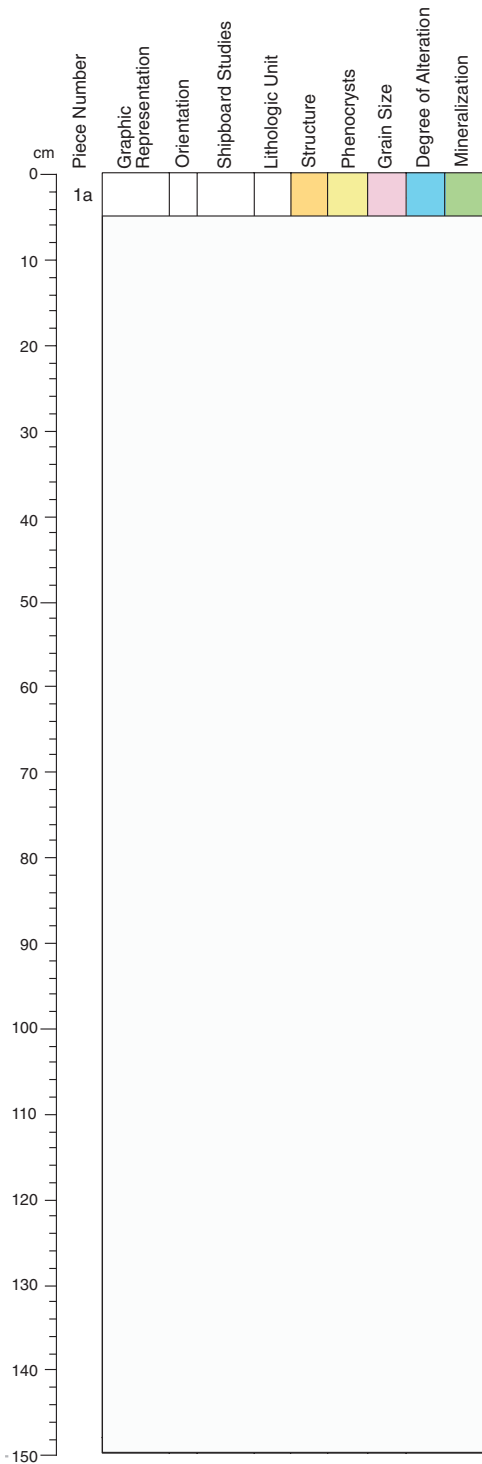
Secondary minerals: Clay, chlorite, and pyrite

Grain size: 0.6-0.8 mm

Texture: Ophitic to subophitic

ADDITIONAL COMMENTS: Section is out of order.

Core Photo



210-1276A-102R-1 (Section top: 1732.1 mbsf)

NOTE: One piece was recovered after core was jammed in Core 101R. The piece was not described.

There was no recovery for Cores 100R, 101R, 103R, and 104R.

| Core | Type | Set | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glaucanite | Heavy Minerals | Mica | Biotite | Muscovite | Opaques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radiolarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | | |
|---------------|------|-----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|---------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|--------------|---------------------------|-----------|--------|---------|---------------|------------------|----------------------------|--------------------------------|-------------------|
| Hole A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | W | 1 | 69 | 753.69 | M | C | C | A | | A | R | | | | | | R | R | | | R | R | | | T | | R | C | | | T | A | | | T | | Marlstone with Bioclasts | | |
| 1 | W | 2 | 102 | 755.51 | D | | A | D | | D | T | | | | | T | R | | R | | R | R | | | | | | | | | | | | | | | Claystone | | |
| 1 | W | 3 | 48 | 756.21 | M | | D | A | | D | | | | | | T | | | | | T | | | | | | | | | | | | | | | | Micritic chalk | | |
| 1 | W | 4 | 42 | 757.41 | M | | | | | A | C | | | | T | | | | | | R | T | | | | T | | R | C | T | | | | | | | Bioclastic muddy sandstone | | |
| 2 | R | 1 | 45 | 800.45 | D | | A | D | | D | | | | | | T | R | | R | | | R | | | | | | | | | | | | | | | Claystone | | |
| 2 | R | 1 | 85 | 800.85 | D | | A | D | | D | | | | | R | T | | | | | | R | | | | | T | | | | | | | | | | Claystone | | |
| 2 | R | 2 | 8 | 801.58 | M | R | D | C | | C | R | C | | | | | | | | | T | | | | | | | C | A | | | | | | | | Nannofossil Chalk | | |
| 3 | R | 2 | 50 | 810.29 | M | T | D | A | | R | | | | | T | | | | | | T | R | | | | | | R | D | | | | | T | | | Nannofossil Chalk | | |
| 3 | R | 2 | 133 | 811.12 | D | T | A | D | | D | | | | | T | | | | | | R | R | | T | | | | | | | T | | | | | | Claystone | | |
| 3 | R | 4 | 55 | 813.23 | D | D | C | R | | C | | | | | | | | | | | T | R | | | | | | C | | | | | A | | R | | Bioclastic muddy sandstone | | |
| 3 | R | 8 | 19 | 818.86 | D | | D | A | | D | | | | T | | | | | | | R | R | | | | | | T | R | | | | | | | | Claystone | | |
| 4 | R | 3 | 40 | 822.6 | M | | | T | | R | | | | T | T | T | T | | | T | | R | T | | | | R | T | T | C | R | | | | T | | Sandstone | | |
| 4 | R | 3 | 52 | 822.72 | M | R | D | | | D | | | | | T | | | | | | T | T | | | | | | T | T | | | | | | | | Claystone | | |
| 4 | R | 4 | 10 | 823.8 | D | | R | D | | T | D | | | T | | | | | | | T | | | | | | | | T | T | | | | | | | | Claystone | |
| 5 | R | 4 | 21 | 833.51 | D | | | | | T | D | | | T | | | | | | | T | T | | | | | | T | T | T | T | | | | | | | Claystone | |
| 5 | R | 4 | 24 | 833.54 | M | | | | | D | | | | T | | T | T | T | T | | T | T | | | | | | | | | T | | | | | | | Claystone | |
| 6 | R | 2 | 44 | 840.34 | D | | | | | R | | | | | | | | | | | T | | D | C | | | | | | T | R | | | | | | | Porcellanite with zeolite | |
| 6 | R | 3 | 60 | 842 | D | | | | | D | | | | T | | | | | | | R | R | | | | | | | T | T | | | | | | | | Claystone | |
| 6 | R | 4 | 10 | 843 | D | | | | | R | | | | | T | | | | | | | | | | | | | C | | | | | | D | | | | Grainstone | |
| 6 | R | 5 | 17 | 844.57 | M | | | | | R | R | | | R | D | T | | | | | | R | C | | | | | | | | | | | | | | | Glaucanite Sand | |
| 6 | R | 5 | 140 | 845.8 | D | | | | | D | | | | | T | | | | | | T | R | | T | | T | | | | | | | | | | | | Claystone | |
| 7 | R | 1 | 97 | 848.97 | D | | | | | D | R | | | | R | | | | | | | R | R | | | | | C | R | | | | | C | | | | Calcareous Sandstone | |
| 7 | R | 4 | 95 | 853.45 | M | | | | | R | R | | | | | | | | | | | R | | | | | | C | R | | | | | A | | | | Calcareous Sandstone | |
| 8 | R | 2 | 103 | 860.13 | M | | D | A | | D | R | | | | | | | | | | T | T | | | | | | | | | | | | | | | | Micritic Chalk/Limestone | |
| 8 | R | 5 | 112 | 864.72 | M | | | | | D | A | R | | | C | | | | | | | | | | | | | R | | | | | | | | | | Glaucanitic Carbonate Grains | |
| 8 | R | 6 | 7 | 865.17 | D | | | | | D | R | C | | | T | | | | | | T | R | | | | | T | C | C | T | | | | | | | | Calcareous Sandstone | |
| 8 | R | 6 | 9 | 865.19 | D | R | A | D | | D | R | | | | T | | | | | | T | T | | | | | | | | T | | | | | | | | Claystone | |
| 8 | R | 6 | 71 | 865.81 | M | | | | | A | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | Glaucanite Grains |
| 9 | R | 1 | 29 | 867.49 | D | | | | | R | R | T | | | | | | | | | T | C | A | R | | | R | C | | | | | | | | | | Siliceous Marlstone | |
| 9 | R | 2 | 67 | 869.37 | M | | | | | T | R | | | | | | A | | | T | | A | | | | | | | | | | | | | | | | Shale Clast | |
| 9 | R | 6 | 107 | 875.68 | D | | R | D | | D | T | T | T | | | | | | | | | T | | | T | | | | | | | | | | | | | Claystone | |
| 10 | R | 4 | 106 | 882.33 | M | | C | D | | D | | T | | | T | | T | | | T | T | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 10 | R | 4 | 115 | 882.42 | M | | D | A | | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 10 | R | 4 | 122 | 882.49 | D | | | | | C | | | | | R | | T | T | | | | C | | T | | | C | T | T | T | | C | | | A | | Grainstone | | |
| 11 | R | 3 | 72 | 890.12 | D | | C | D | | D | | T | | | | | | | | | | | | | T | | | T | R | | | | | | | | | Calcareous Mudstone | |
| 11 | R | 4 | 123 | 892.13 | M | | T | D | | D | | | | | | | | | | | | T | | | | | | | | | | | | | | | | Zeolitic Claystone | |
| 11 | R | 6 | 60 | 894.17 | M | | C | D | | D | | | | | | | | | | | | | | | | | | T | C | | | | | | | R | | Marlstone | |
| 12 | R | 2 | 148 | 898.98 | M | | | | | D | A | | | | | | R | R | | | | | C | | | | | | R | | | | | | | | | Mudstone with carbonate cement | |
| 12 | R | 3 | 31 | 899.31 | M | R | D | C | | C | A | | T | | | | T | T | | | | A | | | | | T | | T | | | | | | | | | Calcareous Mudstone | |
| 12 | R | 4 | 55 | 901.05 | D | | A | A | | R | D | | | | T | T | | | | | | C | | | | | T | | T | | | | | | | | | Mudstone | |
| 13 | R | 2 | 120 | 908.4 | D | | A | D | | R | D | | R | T | | | T | T | | | | C | | | | | | | R | | | | | | | | | Claystone with quartz silt | |
| 13 | R | 2 | 130 | 908.5 | M | | | | | D | C | | | T | T | R | | T | T | | | | | | | | | | | | | | | | | | | Muddy Limestone | |
| 13 | R | 3 | 10 | 908.8 | D | | D | A | | R | D | | R | R | T | | | | | | | | R | | | | | R | R | T | | | | | | | | Claystone | |
| 14 | R | 1 | 40 | 915.7 | D | | D | A | | R | D | | | | T | R | | | | | | T | C | | | | T | | R | T | | | | | | | | Claystone | |
| 14 | R | 2 | 110 | 917.9 | M | | | | | | | | | R | | T | D | | | T | | A | | | | | | | | | | | | | | | | Shale Clast | |
| 14 | R | 4 | 13 | 919.49 | M | | | | | D | | | T | T | | | | | | | | | | | | | | | T | | | | | | | | | Sparry Limestone | |
| 15 | R | 1 | 124 | 926.24 | M | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone |
| 15 | R | 1 | 124 | 926.24 | M | | | | | D | | T | | | | | | | | | | | | | | | | | | | | | | | | | | | Nanno Marlstone |
| 15 | R | 2 | 25 | 926.75 | M | | | | | D | | R | | | T | | | | | | | | | | | | | | A | T | | | | | | | | Claystone | |

| Core | Type | Sc | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opauques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radioarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | | | |
|---------------------------|------|----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|-------------|---------------------------|-----------|--------|---------|---------------|------------------|---------------------------------------|------------------------|---------------------------------------|---------------------|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | R | 2 | 25 | 926.75 | M | | | | | C | A | | T | | | T | | | | | | R | | | | | T | D | T | | | | | | | Nanno Marlstone | | | | |
| 15 | R | 2 | 76 | 927.26 | M | | | | | C | D | | T | T | | | | | | | | T | C | | | | R | R | | | | | | | | | Mudstone /Carbonate | | | |
| 15 | R | 4 | 45 | 929.95 | M | | | | | | A | | T | R | T | | R | R | | | | A | | | | T | | | | | | | | | | | Sandy Mudstone | | | |
| 15 | R | 4 | 50 | 930 | D | | D | A | | | D | | R | | T | T | T | T | | | | C | | | | | | | T | | | | | | | | Claystone | | | |
| 15 | R | 4 | 137 | 930.87 | M | D | | | | | | | | T | | D | T | T | T | | | T | | | | | | | | | | | | | | | Sandstone (heavy mineral concentrate) | | | |
| 15 | R | 5 | 48 | 931.48 | D | | A | D | | T | D | | R | | | T | | | | T | | | | | | | | | | | | | | | | | Claystone | | | |
| 16 | R | 2 | 74 | 936.74 | D | | C | D | | | D | | | T | | T | R | | | | T | | T | | | | | | | | | | | | | | Mudstone | | | |
| 16 | R | 2 | 120 | 937.2 | D | | | R | D | | D | | | | T | | | | | | | R | | | | | | | T | R | | | | | | | Claystone | | | |
| 16 | R | 2 | 145 | 937.45 | M | C | D | C | | | C | | | | C | T | | | T | T | T | A | | | | | T | T | T | | | | | T | | | Glauconitic Sandy Siltstone | | | |
| 16 | R | 4 | 77 | 939.73 | D | T | C | D | | | D | | | R | R | T | R | | | | T | T | R | | | | | T | T | | | | | | | | Mudstone | | | |
| 16 | R | 6 | 20 | 941.93 | D | | | R | D | | D | | | T | | T | | | | | | | T | | | | | | T | | | | | | | | | Claystone | | |
| 17 | R | 4 | 18 | 948.09 | D | | C | D | | C | A | | | | | T | T | | | | | | T | | | | | | R | T | | | | | | | | Marlstone | | |
| 17 | R | 4 | 73 | 948.64 | M | R | D | C | | A | | | | | | | | | | | | | | | | T | D | T | | | | | | | | | | Foraminifer Grainstone | | |
| 17 | R | 7 | 23 | 952.54 | D | T | R | A | | | D | | | T | | | | | | | | T | T | | | | | | R | R | | | | | | | | Claystone | | |
| 18 | R | 1 | 30 | 954.1 | D | | R | D | | | D | | | | | | T | | | | | T | | | | | | | T | T | | | | | | | | Claystone | | |
| 18 | R | 4 | 26 | 958.2 | M | D | C | C | | | C | | | R | C | T | T | | | | | C | | | | | C | R | C | | | | T | | | | Silty Sandstone | | | |
| 18 | R | 5 | 17 | 959.29 | D | | | R | D | | D | | | | | | | | | | | T | T | | | | | R | T | | | | | | | | | Claystone | | |
| 18 | R | 7 | 97 | 962.9 | M | | C | D | | | D | | | T | | T | | | | | | T | | | | | T | C | T | | | | | | | | Calcareous Claystone | | | |
| 19 | R | 2 | 55 | 965.48 | M | | | R | D | | D | | | T | | | | | | | T | | T | | | | | T | R | T | | | | | T | | | Calcareous claystone | | |
| 19 | R | 2 | 103 | 965.96 | M | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Carbonate vein | | |
| 19 | R | 3 | 120 | 967.59 | D | | | R | D | | D | | T | | T | | T | | | | | | T | | | | | | R | | | | | | | | | Claystone | | |
| 19 | R | 5 | 100 | 970.17 | M | | | | | T | A | | | | | | | | | | | | | | | | C | A | | | | | | | | | | Marlstone | | |
| 20 | R | 1 | 27 | 973.37 | M | | D | A | | | C | A | | T | | | | | | | | R | | | | | | A | | | | | | | | | | Nanno Marlstone | | |
| 20 | R | 1 | 75 | 973.85 | D | | D | A | | | A | | | | | T | | | | | | T | Q | | | | T | T | D | | | | | | | | | Nanno Marlstone | | |
| 20 | R | 2 | 50 | 974.95 | D | R | | D | A | | D | | | | T | | | | | | | R | R | | | | T | R | C | | | | | | | | | Nanno Marlstone | | |
| 20 | R | 3 | 90 | 976.74 | D | | D | A | | | C | D | | R | T | T | T | T | T | | | | C | | | | T | | | | | | | | | | | | Mudstone | |
| 20 | R | 5 | 23 | 978.94 | M | | | | | | C | | | | | R | | | | | | | C | | | | | A | C | R | | | | | | | | | Calcareous Sandstone | |
| 20 | R | 6 | 60 | 980.72 | D | | | D | A | | D | | | | | T | | | | | | R | C | | | | | T | R | | | | | | | | | | Mudstone with pyrite and plant debris | |
| 20 | R | 7 | 103 | 982.65 | M | | | | | | | | | | | T | | | | | | D | | | | R | | | R | R | | | | | | | | | Pyrite Nodule | |
| 21 | R | 2 | 90 | 984.86 | D | D | R | D | A | | T | C | C | | | T | T | T | | | | | | R | | | | T | R | D | | | | | | | | | Muddy Nannofossil Limestone | |
| 21 | R | 3 | 51 | 985.97 | D | T | | D | A | | C | D | | | T | T | T | | | | | | R | | | | | T | C | R | | | | | | | | | Nanno Marlstone | |
| 21 | R | 4 | 41 | 987.37 | M | | | | | | R | | | | | | T | | | | | | C | D | | | | | | | | | | | | | | | Opaline Silica Clast | |
| 21 | R | 4 | 42 | 987.38 | M | | | | | | R | D | | | | | T | R | R | | | | C | C | R | | | R | R | | | | | | | | | | Mudstone | |
| 21 | R | 4 | 56 | 987.52 | M | | | | | | D | D | | T | | T | | | | | | | C | | | | | | | R | | | | | | | | | Mudstone | |
| 21 | R | 4 | 88 | 987.84 | D | | | D | A | | D | R | | | | | | | | | | | | | | | | C | | | | | | | | | | | Nanno Limestone | |
| 21 | R | 4 | 134.5 | 988.3 | M | | | | | | D | C | | | | | T | R | R | | | | C | | | | | | T | | | | | | | | | | Muddy Grainstone | |
| 22 | R | 2 | 50 | 994.39 | M | R | | D | A | | | D | | R | T | T | T | T | T | | | | A | | | | | | R | R | | | | | | | | | Mudstone | |
| 22 | R | 2 | 106 | 994.95 | D | | | | | | D | T | | | T | T | R | R | T | | | | A | | | | | | T | | | | | | | | | | Mudstone | |
| 23 | R | 1 | 72 | 1002.72 | M | | | | | | T | A | | | | | | | | | | | | | | | | D | | | | | | | | | | | Marlstone | |
| 23 | R | 2 | 74 | 1004.13 | M | | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Carbonate vein | |
| 23 | R | 2 | 108 | 1004.47 | M | | A | D | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Micritic Chalk | |
| 23 | R | 2 | 116 | 1004.55 | D | | C | D | | | C | D | | R | | | | | | | T | | | | | | | R | | | | | | | | | | | Mudstone | |
| 23 | R | 3 | 70 | 1005.54 | D | | | | | | T | C | | R | | | R | | | | | R | T | | | | | T | T | | | | | | | | | | Mudstone | |
| 23 | R | 4 | 78 | 1006.72 | M | | T | D | | | A | | A | | | | | | | | | | | | | | | R | T | | T | | | | | | | | | Hematitic claystone |
| 23 | R | 4 | 79 | 1006.73 | M | | | D | | | T | | | | D | | | | | | | | | | | | | | | | | | | | | | | | Hematitic claystone | |
| 24 | R | 1 | 54 | 1012.14 | D | | | | | | C | R | | | T | R | | | | | | | C | | | | | C | R | | | | | | | | | | Siltstone | |
| 24 | R | 3 | 93 | 1015.53 | M | | | T | D | | D | | | | | | | | | | | | T | | | | | | A | | | | | | | | | | Marlstone | |
| 24 | R | 3 | 97 | 1015.57 | M | | | R | D | | D | | | | | | | | | | | T | | | | | | T | | T | | | | | | | | | Claystone | |
| 24 | R | 5 | 86 | 1018.46 | M | | | | | | R | C | | | | | | | | | | | | | | | | | D | | | | | | | | | | Calcareous Siltstone | |

| Core | Type | Sc | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opauques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radioarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | | | | | | | | | | | | | | | | | | | | |
|--------------------|------|----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|-------------|---------------------------|-----------|--------|---------|---------------|---------------------------------|---|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | R | 2 | 2 | 1022.72 | M | | D | C | | D | C | | T | | | T | T | T | | T | | T | | | | | | | | | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | |
| 25 | R | 3 | 1 | 1024.21 | M | | D | R | | D | D | | | | | | | | | | T | | | | | | | | | | | | | T | | | Muddy Nanno Limestone | | | | | | | | | | | | | | | | | | | | |
| 25 | R | 6 | 46 | 1029.16 | M | R | R | D | | R | D | | | T | | | | | | | | T | | | | | | | | | | | | | T | | Claystone | | | | | | | | | | | | | | | | | | | | |
| 25 | R | 6 | 52 | 1029.22 | D | A | A | A | | A | | | R | | T | R | | | | | | C | | | | | | | | | | | | R | | Sandy Mudstone | | | | | | | | | | | | | | | | | | | | | |
| 26 | R | 2 | 1 | 1032.27 | M | R | D | A | | A | | | | C | R | T | T | | | | | A | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 26 | R | 2 | 48 | 1032.74 | D | | | | | A | | | C | T | | T | T | | | | | A | | | | | | | | | | | | R | | Muddy Sandstone | | | | | | | | | | | | | | | | | | | | | |
| 27 | R | 3 | 61 | 1044.02 | M | | | | | | | | C | | T | | | | | | D | R | | | | | | | | | | | | | | | Manganite Nodule | | | | | | | | | | | | | | | | | | | | |
| 27 | R | 4 | 29 | 1045.2 | M | R | A | D | | D | | | R | T | T | | | | | | | C | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 27 | R | 5 | 70 | 1047.11 | D | | | | T | D | | | T | R | R | T | R | R | | | | A | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 28 | R | 2 | 40 | 1052 | D | R | D | A | | A | | | | | T | T | R | | R | | R | | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 28 | R | 4 | 140 | 1055.66 | D | T | D | A | | A | A | | | | T | T | T | T | | | | C | | | | | | | | | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | | |
| 28 | R | 5 | 20 | 1055.9 | D | R | D | C | | A | A | | | | T | T | T | T | | | | C | | | | | | | | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | | |
| 28 | R | 6 | 22 | 1056.88 | M | | | | | A | R | | | | C | | | | T | | | C | | | | | | | | | | | | | | | Quartz Sandstone with Glauconite | | | | | | | | | | | | | | | | | | | | |
| 29 | R | 4 | 27 | 1064.3 | M | | D | A | | R | D | | T | T | T | | | | | | | C | | | | | | | | | | | | | | | Nanno Mudstone with Quartz Silt | | | | | | | | | | | | | | | | | | | | |
| 29 | R | 5 | 10 | 1065.63 | D | T | D | A | | C | D | | R | | | T | R | | | | | C | | | | | | | | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | | |
| 29 | R | 6 | 53 | 1067.15 | M | R | D | C | | C | R | | | | | T | T | | | | | C | | | | | | | | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | | |
| 29 | R | CC | 8 | 1067.69 | M | D | A | R | | C | R | | | R | | R | R | | | | | D | | | | | | | | | | R | | | | Sandstone with carbonate cement | | | | | | | | | | | | | | | | | | | | | |
| 30 | R | 4 | 25 | 1073.88 | D | D | A | R | | R | T | | | R | C | R | R | R | R | | | D | | | | | | | | | | | R | | | | Quartz Sandstone with Glauconite | | | | | | | | | | | | | | | | | | | | |
| 30 | R | 4 | 48 | 1074.11 | M | R | D | A | | D | | | | | T | T | T | | | | T | C | | | | R | | | | | | | | | | | Mudstone with Organic Matter | | | | | | | | | | | | | | | | | | | | |
| 30 | R | 4 | 80 | 1074.43 | D | | D | A | | R | D | | T | | | T | | | T | | | C | | | | | | | | | | | | | | | Nanno Mudstone | | | | | | | | | | | | | | | | | | | | |
| 30 | R | 5 | 95 | 1076.08 | M | R | D | A | | C | D | | | | T | T | T | T | | | R | C | | | | | | | | | | | | | | | Calcareous Mudstone with Organic Matter | | | | | | | | | | | | | | | | | | | | |
| 31 | R | 1 | 30 | 1079.3 | D | | D | A | | C | D | | | | | T | | | | | | C | | | | | | | | | | | | | | | | Nanno Mudstone | | | | | | | | | | | | | | | | | | | |
| 31 | R | 2 | 125 | 1081.75 | D | | D | A | | D | | | | T | T | | | | | | R | C | | | | | | | | | | | | | | | Mudstone with Organic Matter | | | | | | | | | | | | | | | | | | | | |
| 31 | R | 3 | 51 | 1082.46 | D | R | D | A | | C | A | | | | | | T | T | | | | R | | | | | | | | | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | |
| 32 | R | 4 | 53 | 1093.5 | M | T | A | D | | R | | | | T | | | T | T | | | T | R | | | | | | | | | | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | |
| 32 | R | 5 | 43 | 1094.85 | M | | T | D | | T | D | | | T | | | | | | | | T | | | | | | | | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 32 | R | 5 | 108 | 1095.5 | M | R | D | A | | C | C | | | | T | T | T | T | T | T | T | A | | | | | | | | | | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | |
| 32 | R | 6 | 144 | 1097.36 | M | R | A | A | | A | | | C | T | T | R | | | R | | T | C | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 33 | R | 5 | 18 | 1104.38 | D | | R | D | | T | D | | | T | | T | T | | | | | R | | | | | | | | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 33 | R | 5 | 34 | 1104.54 | D | | T | D | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | |
| 33 | R | 5 | 58 | 1104.78 | M | T | D | C | | C | C | | | | | T | R | | | T | T | | | | | | | | | | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | | |
| 33 | R | 6 | 146 | 1107.16 | D | | C | D | | D | | | | T | T | R | | | | | | R | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 34 | R | 1 | 135 | 1109.15 | D | D | A | T | | R | | | | R | | T | R | | | | | D | | | | | | | | | | | | | | | | Silty Sandstone | | | | | | | | | | | | | | | | | | | |
| 34 | R | 2 | 98 | 1110.15 | M | R | D | A | | A | | | | T | T | T | C | | | | | C | | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 34 | R | 2 | 110 | 1110.27 | M | | R | D | | D | | | | | | T | | | | | | R | T | | | | | | | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 34 | R | 2 | 117 | 1110.34 | D | | | | | T | D | | | T | | T | R | | | | | T | T | | | | | | | | | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | |
| 35 | R | 3 | 7 | 1120.47 | D | D | A | C | | R | C | | | | | T | R | R | | | | | | | | | | | | | | | | | | | | Muddy Calcareous Sandstone | | | | | | | | | | | | | | | | | | | |
| 35 | R | 3 | 100 | 1121.4 | D | R | D | A | | A | | C | | | T | T | | | | | T | R | | | | | | | | | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | |
| 35 | R | 3 | 113 | 1121.53 | D | A | A | A | | A | | | | | R | R | T | T | | | | T | A | | | | | | | | | | | | | | | Sandy Mudstone | | | | | | | | | | | | | | | | | | | |
| 35 | R | 4 | 46 | 1122.21 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Phosphatic Fish Remains | | | | | | | | | | | | | | | | | | | |
| 35 | R | 6 | 57 | 1125.12 | D | R | D | A | | R | D | | R | | | T | | | | | | C | | | | | | | | | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | |
| 36 | R | 5 | 142 | 1134.05 | M | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Carbonate Nodule | | | | | | | | | | | | | | | | | | | |
| 36 | R | 6 | 85 | 1134.98 | M | | D | A | | C | C | | T | | | T | | | | | | | | | | | | | | | | | | | | | | Muddy Nanno Limestone | | | | | | | | | | | | | | | | | | | |
| 37 | R | 1 | 114 | 1137.54 | M | | D | A | | D | C | | | | | | | | | | | | | | | | | | | | | | | | | | | Marlstone with Nannos | | | | | | | | | | | | | | | | | | | |
| 37 | R | 4 | 44 | 1140.95 | D | A | D | | | R | D | | | T | T | T | T | T | | | | R | | | | | | | | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 37 | R | 5 | 21 | 1141.86 | M | | D | A | | D | R | | T | | | T | | | | | | | | | | | | | | | | | | | | | | Limestone | | | | | | | | | | | | | | | | | | | |
| 37 | R | 6 | 47 | 1143.53 | M | | D | A | | R | C | | | | | | | | | | | | | | | | | | | | | | | | | | | Muddy Nanno Limestone | | | | | | | | | | | | | | | | | | | |
| 38 | R | 1 | 112 | 1147.12 | M | | C | D | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Micritic Limestone | | | | | | | | | | | | | | | | | | | |
| 38 | R | 5 | 98 | 1152.42 | M | | C | D | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Micritic Limestone | | | | | | | | | | | | | | | | | | | |
| 38 | R | 6 | 13 | 1152.95 | M | | D | C | | D | C | | T | | | T | | | | | R | | | | | | | | | | | | | | | | | Muddy Limestone with Nannos | | | | | | | | | | | | | | | | | | | |

| Core | Type | Sct | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opalques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radioarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | | | | | | | | | | | | | | | | | | | | |
|---------------------------|------|-----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|-------------|---------------------------|-----------|--------|---------|---------------|------------------|---|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | R | 1 | 57 | 1155.77 | M | | | | | D | C | | | | | T | | | | | R | C | | | | | | R | | | | | | | | | | Muddy Limestone | | | | | | | | | | | | | | | | | | | |
| 39 | R | 3 | 91 | 1159.14 | D | R | D | A | | A | A | | | | | R | | | | | | R | | | | | | A | R | | | | | | | | | Mudstone with Organic Matter | | | | | | | | | | | | | | | | | | | |
| 39 | R | 3 | 93 | 1159.16 | M | | D | C | | D | R | | | | | | | | | | | R | | | | | | | | | | | | | | | | Micritic Limestone | | | | | | | | | | | | | | | | | | | |
| 39 | R | 5 | 38 | 1161.61 | D | R | D | A | | D | D | | | | | T | T | T | T | | T | C | | | R | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 40 | R | 2 | 53 | 1166.86 | D | | D | A | | T | A | | | R | | T | T | T | R | | | C | | | | | | | T | T | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 40 | R | 2 | 81 | 1167.14 | M | | D | R | | D | D | | | T | | T | T | | | | R | | | | | | T | C | R | | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | |
| 40 | R | 2 | 88 | 1167.21 | M | | R | D | | D | D | | | | | | | | | | | | | | | | R | T | | | | | | | | | Calcareous Mudstone | | | | | | | | | | | | | | | | | | | | |
| 40 | R | 3 | 144 | 1169.31 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | D | D | | | | Micritic Limestone Concretion with Spar | | | | | | | | | | | | | | | | | | | | |
| 40 | R | 5 | 41 | 1171.29 | M | | | | | C | | | | | | T | R | | | | T | C | | | | | T | | | | A | A | | | | | Siltstone | | | | | | | | | | | | | | | | | | | | |
| 41 | R | 1 | 114 | 1175.54 | M | | D | C | | | | | | R | | T | T | | | | T | D | | | | | R | T | T | | | | | | | | | Calcareous Silstone | | | | | | | | | | | | | | | | | | | |
| 41 | R | 1 | 124 | 1175.64 | M | | | | | R | | | | | T | T | R | | | | | A | | | | | D | R | | | | | | T | | | Quartzose Grainstone | | | | | | | | | | | | | | | | | | | | |
| 41 | R | 2 | 92 | 1176.82 | M | | | | | R | | | | | | T | | | | | | R | | | | | | | | | | | | A | A | | Grainstone | | | | | | | | | | | | | | | | | | | | |
| 41 | R | 5 | 87 | 1181.38 | D | | C | D | | D | D | | | | | T | T | | | | T | T | | | | | T | T | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | | |
| 41 | R | 6 | 74 | 1182.79 | D | | C | D | | D | D | | | | | T | T | | | | T | T | | | | | T | R | R | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | | |
| 41 | R | 6 | 80 | 1182.85 | M | | R | D | | D | D | | | | | T | | | | | T | | | | | | R | R | T | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | | |
| 42 | R | 1 | 6 | 1184.06 | D | T | R | D | | D | D | | | | | T | T | T | | | | T | | | | | | C | T | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | | |
| 42 | R | 4 | 115 | 1189.31 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | D | | | | | Siderite Nodule | | | | | | | | | | | | | | | | | | | | |
| 42 | R | 6 | 42 | 1191.62 | M | T | R | D | | D | D | | | | | T | | | T | | T | T | | | | | R | C | R | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | | |
| 43 | R | 2 | 35 | 1195.38 | D | R | D | A | | C | D | | | | | T | T | | | | R | C | | | | T | | C | R | | | | | | | | Calcareous Mudstone | | | | | | | | | | | | | | | | | | | | |
| 43 | R | 3 | 30 | 1196.85 | D | R | D | A | | R | D | | | | | | | | | | | C | | | | | | R | R | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 43 | R | 4 | 150 | 1199.45 | D | | D | A | | C | D | | | | | T | T | | | | R | R | | | | | R | A | R | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | | |
| 43 | R | 5 | 78 | 1200.25 | M | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Barite Nodule | | | | | | | | | | | | | | | | | | | | |
| 44 | R | 1 | 34 | 1203.54 | D | | D | A | | T | D | | | | | T | | | | | | C | | | | | | T | R | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 44 | R | 2 | 126 | 1205.99 | D | D | A | C | | C | R | | | R | R | R | | | | | T | D | | | | | R | R | T | | R | | | | | | Sandstone with carbonate cement | | | | | | | | | | | | | | | | | | | | |
| 44 | R | 4 | 61 | 1208.35 | D | | T | | | A | | | | R | | T | T | | | | T | A | | | | T | | | R | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 44 | R | 4 | 105 | 1208.79 | D | | C | D | | D | | | | | | T | | | | | | | | | | | | | T | | | | | | | | Nodular Limestone | | | | | | | | | | | | | | | | | | | | |
| 44 | R | 7 | 25 | 1212.61 | M | R | D | A | | C | | | | | | T | | | | | | | | | | | C | A | R | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | | |
| 45 | R | 1 | 29 | 1213.09 | M | | | | | | | | | | | | | | | | T | R | | | | | | | | | | | | | | | Limestone with Rads | | | | | | | | | | | | | | | | | | | | |
| 45 | R | 3 | 54 | 1216.4 | M | R | D | C | | A | | | | | | T | R | R | | | | R | | | | | C | A | R | | R | | | | | | Nanno Marlstone with Forams | | | | | | | | | | | | | | | | | | | | |
| 45 | R | 4 | 24 | 1217.63 | D | | | | | C | C | R | | | | T | R | R | | | T | D | | | | | R | R | | | | | | | | | Clayey Sandstone with carbonate cement | | | | | | | | | | | | | | | | | | | | |
| 45 | R | 5 | 46 | 1219.38 | D | R | D | A | | D | T | | | | | | | | | | | C | | | | | | R | C | C | | | | | | | Calcareous Mudstone with Organic Matter | | | | | | | | | | | | | | | | | | | | |
| 46 | R | 1 | 25 | 1222.65 | D | | D | A | | D | D | | | | | T | | | | | | C | | | | | | A | R | | | | | | | | Marlstone with Quartz Silt | | | | | | | | | | | | | | | | | | | | |
| 46 | R | 2 | 25 | 1224.16 | D | T | D | A | | R | D | | | | | T | | | | | T | C | | | | | T | A | R | | | | | | | | Calcareous Mudstone | | | | | | | | | | | | | | | | | | | | |
| 46 | R | 3 | 44 | 1225.89 | D | | | | | C | R | | | | | T | | | | | | D | | | | | | R | R | | | | | | | | Sandstone with carbonate cement | | | | | | | | | | | | | | | | | | | | |
| 47 | R | 1 | 97 | 1232.97 | M | | | | | | | | | | | T | | | | | | T | | | | | T | T | | | | | | | | | Micritic Limestone | | | | | | | | | | | | | | | | | | | | |
| 47 | R | 2 | 66 | 1234.19 | D | | D | A | | D | D | | | | | T | | | | | | T | | | | | T | A | T | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | | |
| 47 | R | 2 | 139 | 1234.92 | M | T | D | T | | T | | | | C | | T | R | R | R | | | A | | | | | T | T | | | | | R | | C | | | Siltstone | | | | | | | | | | | | | | | | | | | |
| 47 | R | 3 | 135 | 1236.39 | M | | R | D | | D | D | | | | | T | T | | | | | T | | | | | | C | | | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | |
| 47 | R | 5 | 118 | 1239.29 | D | | D | A | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Micritic Limestone | | | | | | | | | | | | | | | | | | | |
| 47 | R | 7 | 32 | 1241.3 | D | | A | D | | D | | | | T | T | | | | C | | T | T | | | | | | C | T | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | | |
| 48 | R | 2 | 87 | 1244.11 | D | | T | D | | D | | | | | | T | | | | | | | | | | | | C | T | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | | |
| 48 | R | 3 | 71 | 1245.49 | M | | | | | | | | | | | T | | | | | | T | | | | | T | | | | | D | | | | | Micritic Limestone/Grainstone | | | | | | | | | | | | | | | | | | | | |
| 48 | R | 4 | 47 | 1246.79 | M | | D | T | | T | | | | R | | T | R | | | | | D | | | | R | | T | | | | A | | R | | | Siltstone with carbonate cement | | | | | | | | | | | | | | | | | | | | |
| 48 | R | 5 | 85 | 1248.71 | M | | T | D | | D | | | | | | R | | | | | | R | | | | | C | T | | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | | |
| 49 | R | 2 | 12 | 1253.02 | D | | T | D | | D | | | | | | | | | | | | T | | | | | | R | R | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | | |
| 49 | R | 3 | 63 | 1255.03 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Micritic Limestone | | | | | | | | | | | | | | | | | | | |
| 49 | R | 4 | 68 | 1256.58 | D | | D | R | | T | | | | R | T | T | C | | | | | D | | | | | T | T | T | | | | | | | | | Siltstone | | | | | | | | | | | | | | | | | | | |
| 49 | R | 5 | 111 | 1258.51 | M | | | | | R | | | | R | R | T | T | | | | | A | | | | | C | T | T | | | | C | A | R | | | Calcareous Silty Sandstone | | | | | | | | | | | | | | | | | | | |
| 50 | R | 4 | 20 | 1265.7 | D | T | D | C | | C | | | | R | T | T | T | | | | R | D | | | | | T | T | T | | | | | | | | | Siltstone | | | | | | | | | | | | | | | | | | | |
| 50 | R | 6 | 63 | 1268.61 | D | | | | | D | | | | | | T | | | | | | T | | | | | | C | R | | | | | | | | Calcareous Claystone | | | | | | | | | | | | | | | | | | | | |

| Core | Type | Sct | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opaaques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radioarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | | | | | | | | | | | | | | | | | | | |
|---------------------------|------|-----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|-------------|---------------------------|-----------|--------|---------|---------------|---|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | R | 1 | 60 | 1271.3 | D | | | R | | | D | | | | | | R | | | | | R | | | | | | | | R | R | | | | | | | Claystone with Nannos | | | | | | | | | | | | | | | | | | |
| 51 | R | 2 | 90 | 1273.1 | D | | | | | D | | | | | | | | | | | | R | | | | | | | | R | | | | | | | | Nodular Limestone | | | | | | | | | | | | | | | | | | |
| 51 | R | 6 | 30 | 1278.5 | D | | | | | T | D | | | | T | R | | | | | | C | | | | | | | T | R | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 53 | R | 1 | 48 | 1290.48 | D | A | D | C | | C | C | | | | T | T | | | | | | D | | | | | | | T | C | R | | | | | | Calcareous Sandstone | | | | | | | | | | | | | | | | | | | |
| 53 | R | 3 | 48 | 1293.48 | D | D | A | R | | C | C | | | R | | | | | | | | D | | | | | | T | C | | | | | | | Calcareous Mudstone with Organic Matter | | | | | | | | | | | | | | | | | | | | |
| 53 | R | 3 | 113 | 1294.13 | D | R | D | A | | D | | | | | T | | | | | | R | | | | | T | T | A | R | | | | | | | | Nanno Marlstone with Organic Matter | | | | | | | | | | | | | | | | | | | |
| 53 | R | 5 | 59 | 1296.53 | D | | D | A | | R | D | | | | T | T | | | | | T | R | | | | | | T | R | R | | | | | | | Nanno Claystone | | | | | | | | | | | | | | | | | | | |
| 53 | R | 6 | 51 | 1297.95 | D | R | D | C | | C | C | | | | T | T | R | | | | | D | | | | | | R | R | | | | | | | | Calcareous Siltstone | | | | | | | | | | | | | | | | | | | |
| 54 | R | 1 | 71 | 1300.31 | D | | | | | D | | | | | T | T | | | | | | A | | | | | | | | | | | | | | | Sandstone with carbonate cement | | | | | | | | | | | | | | | | | | | |
| 54 | R | 5 | 95 | 1306.55 | D | | | | | A | R | | | | T | T | T | | | | T | D | | | | | R | R | C | | | | | | | | Sandstone with carbonate cement | | | | | | | | | | | | | | | | | | | |
| 54 | R | 6 | 53 | 1307.54 | D | | D | A | | R | D | R | | | T | T | | | | | | T | | | | | | R | C | T | | | | | | | Marlstone | | | | | | | | | | | | | | | | | | | |
| 55 | R | 2 | 9 | 1310.79 | D | | D | A | | R | D | | | | T | | | | | | | R | | | | | | A | | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | |
| 55 | R | 4 | 50 | 1314.2 | D | | D | A | | R | D | | | | T | | | | | | R | T | | | | | | A | R | | | | | | | | Nanno Marlstone | | | | | | | | | | | | | | | | | | | |
| 56 | R | 1 | 119 | 1319.99 | D | | R | D | | D | | | | | | | R | | | | | R | | | | | | | | T | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 56 | R | 2 | 48 | 1320.78 | M | | D | A | | D | | | | | | | | | | | | | | | | | | | T | | | | | | | | Nodular Limestone | | | | | | | | | | | | | | | | | | | |
| 57 | R | 1 | 7 | 1328.57 | M | | T | D | | C | D | | | | T | | | | | | | C | | | | | T | R | T | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 57 | R | 1 | 95 | 1329.45 | M | | D | A | | D | | | | | | | | | | | | | | | | | | | T | | | | | | | | Limestone Clast in coars-grained Sandstone | | | | | | | | | | | | | | | | | | | |
| 58 | R | 2 | 28 | 1339.88 | M | T | D | A | | A | A | | | | | | | | | | T | A | | | | | | T | | R | | | | | | | Calcareous Mudstone | | | | | | | | | | | | | | | | | | | |
| 58 | R | 3 | 68 | 1341.78 | D | | C | D | | D | | | | | | | R | | | | | R | | | | | | | R | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 58 | R | 3 | 79 | 1341.89 | D | | T | D | | D | | | | | | R | | | | | | T | | | | | | | R | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 59 | R | 5 | 120 | 1351.3 | M | | D | R | | R | | | | T | | T | | | | | | D | | | | | | T | | | | | | | | | Siltstone | | | | | | | | | | | | | | | | | | | |
| 59 | R | 6 | 10 | 1351.72 | M | | R | D | | D | | | | | | | T | | | | | T | | | | | | | T | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 60 | R | 2 | 53 | 1355.73 | D | | D | A | | R | D | | | R | | T | | | | | | C | | | | | | T | R | | | | | | | | Claystone with Organic Matter | | | | | | | | | | | | | | | | | | | |
| 60 | R | 3 | 40 | 1357.1 | D | R | D | A | | C | D | | | | R | T | | | | | | R | | | | | T | T | A | R | | | | | | | Nanno Marlstone with Organic Matter | | | | | | | | | | | | | | | | | | | |
| 60 | R | 4 | 86 | 1358.96 | D | C | D | R | | C | C | | | | | | | | | | | D | | | | | | R | T | T | | | | | | | Siltstone with carbonate cement | | | | | | | | | | | | | | | | | | | |
| 60 | R | 6 | 59 | 1361.69 | D | | D | C | | C | C | | | R | | T | R | | | | | T | D | | | | | T | R | R | | | | | | | Siltstone | | | | | | | | | | | | | | | | | | | |
| 61 | R | 2 | 90 | 1365.6 | D | | A | D | | R | R | | | R | | T | T | | | | | T | D | | | | | T | R | R | | | | | | | Siltstone with carbonate cement | | | | | | | | | | | | | | | | | | | |
| 61 | R | 3 | 105 | 1367.25 | D | | D | A | | R | D | | | | | | T | | | | | T | R | | | | | | T | R | | | | | | | Claystone with Organic Matter | | | | | | | | | | | | | | | | | | | |
| 61 | R | 3 | 140 | 1367.6 | M | | | | | D | | | | | | | | | | | | | R | | | | | | T | T | | | | | | | Calcareous Halo around Chert nodule | | | | | | | | | | | | | | | | | | | |
| 61 | R | 4 | 120 | 1368.9 | D | T | D | A | | T | D | | | | T | T | | | | | | A | | | | | | | R | | | | | | | | Silty Mudstone | | | | | | | | | | | | | | | | | | | |
| 62 | R | 5 | 70 | 1379.6 | M | | | | | D | | | | | | | T | | | | | R | | | | | | | R | T | | | | | | | Limestone | | | | | | | | | | | | | | | | | | | |
| 62 | R | 6 | 35 | 1380.75 | M | | | | | D | | | | | | | | | | | | | T | | | | | | | | | | | | | | | Limestone | | | | | | | | | | | | | | | | | | |
| 64 | R | 3 | 79 | 1395.99 | M | T | C | D | | T | D | | | | T | R | | | | | | T | | | | | | R | T | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 64 | R | 3 | 102 | 1396.22 | M | T | D | T | | T | | | | | T | T | | | | | T | C | | | | | | | T | | | | | | | | Calcareous Siltstone | | | | | | | | | | | | | | | | | | | |
| 64 | R | 4 | 90 | 1397.6 | M | | A | D | | D | | | T | | | | C | | | | T | C | | | | | | | | | | | | | | | Mudstone | | | | | | | | | | | | | | | | | | | |
| 65 | R | 2 | 104 | 1404.34 | D | | R | D | | D | | | | | | | R | | | | | T | | | | | | | T | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 66 | R | 3 | 88 | 1415.18 | D | | R | D | | D | | | | | | | R | | | | | T | | | | | | | | R | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | |
| 66 | R | 5 | 60 | 1417.9 | M | | | | | A | | | | | | | | | | | | A | | | | | | T | | | | | | | | | Calcareous Siltstone | | | | | | | | | | | | | | | | | | | |
| 68 | R | 1 | 18 | 1430.68 | D | | D | A | | R | C | | | | | | | | | | | T | R | | | | | | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 68 | R | 2 | 139 | 1433.39 | D | | D | A | | C | D | | | | | | | | | | | T | A | | | | | | C | R | | | | | | | Calcareous Mudstone | | | | | | | | | | | | | | | | | | | |
| 68 | R | 3 | 22 | 1433.72 | D | C | D | A | | A | R | | | | R | | T | R | | | | T | D | | | | | T | R | R | | | | | | | Siltstone with carbonate cement | | | | | | | | | | | | | | | | | | | |
| 69 | R | 2 | 2 | 1441.32 | D | | D | A | | D | A | | | | | | | | | | | R | R | | | | | T | | R | C | | | | | | Marlstone with Organic Matter | | | | | | | | | | | | | | | | | | | |
| 70 | R | 1 | 100 | 1450.5 | D | | D | A | | R | D | | | | | | T | | | | | T | R | | | | | | T | R | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 70 | R | 2 | 45 | 1451.45 | D | | D | A | | R | D | T | | | | | T | T | | | | T | R | | | | | | T | R | | | | | | | Claystone | | | | | | | | | | | | | | | | | | | |
| 70 | R | 3 | 121 | 1453.71 | D | | D | A | | T | D | | | | | | T | | | | | C | R | | | | T | | | C | | | | | | | Claystone with Organic Matter and Pyrite | | | | | | | | | | | | | | | | | | | |
| 71 | R | 1 | 87 | 1460.07 | M | | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | Diagenetic Carbonate | | | | | | | | | | | | | | | | | | |
| 71 | R | 2 | 67 | 1461.37 | M | | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | Diagenetic Carbonate | | | | | | | | | | | | | | | | | | |
| 71 | R | 5 | 22 | 1465.42 | M | | | | | | D | | | | | | | | | | | C | | | | | | | | | | | | | | | Diagenetic Carbonate | | | | | | | | | | | | | | | | | | | |
| 72 | R | 3 | 79 | 1472.69 | D | | D | A | | T | D | | | | | | T | | | | | | C | | | | | | | R | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | |
| 72 | R | 5 | 81 | 1475.54 | M | | | D | | D | | | | | | | T | | | | | T | T | | | | | | R | | | | | | | | | Claystone | | | | | | | | | | | | | | | | | | |

| Core | Type | Sc | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opauques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radiolarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | | | |
|--------------------|------|----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|--------------|---------------------------|-----------|--------|---------|---------------|------------------|----------------------|---------------------------------|---------------------------------|---------------------------------|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | R | 5 | 107 | 1475.8 | D | | D | A | | D | A | | | | | | | | | | | A | | | | | | | | | | | | | | | Marlstone | | | |
| 73 | R | 3 | 50 | 1482 | D | | D | C | | | C | | | | | | | | | | C | T | | | | | | | | | | | | | | | Pyrite-rich mudstone | | | |
| 73 | R | 6 | 40 | 1486.4 | M | | A | D | | C | D | | | | | T | | | | | | T | T | | | | | | | | | | | | | | Calcareous Mudstone | | | |
| 73 | R | CC | 8 | 1487.16 | M | | R | D | | | D | | | | | | T | | | | T | T | | | | | | | | | | | | | | | Claystone | | | |
| 75 | R | 5 | 132 | 1505.02 | M | R | A | A | | | A | | | | C | | T | C | | | | T | C | | | | | | | | | | | T | | | Sandy Mudstone | | | |
| 75 | R | 6 | 30 | 1505.5 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Micritic Limestone | | | |
| 75 | R | 6 | 63 | 1505.83 | M | | C | D | | | D | | | | | | T | R | | | | R | | | | | | | | | | | | | | | | Calcareous Mudstone | | |
| 76 | R | 2 | 15 | 1508.95 | D | T | D | A | | R | A | | | | | | | | | | T | A | | | | | | | | | | | | | | | | Calcareous Mudstone | | |
| 76 | R | 3 | 10 | 1510.4 | D | D | A | R | | A | C | | | | T | | T | R | | | | T | D | | | | | | | | | | | | | | | Sandstone with carbonate cement | | |
| 76 | R | 3 | 52 | 1510.82 | D | | D | A | | C | A | | | | T | | | | | | | T | A | | | | | | | | | | | | | | | Calcareous Mudstone | | |
| 76 | R | 5 | 14 | 1513.44 | D | | D | A | | T | D | | | | T | | | | | | | | C | | | | | | | | | | | | | | | | Mudstone | |
| 76 | R | 6 | 39 | 1515.19 | M | | D | A | | D | | | | | | | T | | | | | A | | | | | | | | | | | | | | | | Diagenetic Carbonate | | |
| 76 | R | CC | 10 | 1517.67 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Plant Debris | | |
| 77 | R | 1 | 96 | 1517.86 | D | | D | A | | R | D | | | | | | T | | | | | A | | | | | | | | | | | | | | | | Calcareous Mudstone | | |
| 77 | R | 4 | 73 | 1522.13 | D | | D | A | | T | D | | | | | | T | | | | | C | | | | | | | | | | | | | | | | Claystone | | |
| 77 | R | 5 | 145 | 1524.35 | M | T | D | C | | D | D | | | | | | T | T | | | T | A | | | | | T | T | T | | | | | | | | | | Siltstone with carbonate cement | |
| 78 | R | 2 | 4 | 1528.04 | D | | D | A | | R | D | | | | T | | | | | | | | C | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 78 | R | 3 | 17 | 1529.67 | D | | D | A | | T | D | | | | | | T | T | | | | R | | | | | | | | | | | | | | | | | Claystone | |
| 79 | R | 1 | 123 | 1537.43 | D | | A | D | | | D | | | | | | | | | | | T | T | | | | | T | T | R | | | | | | | | | Calcareous Mudstone | |
| 79 | R | 5 | 42 | 1542.62 | M | | C | D | | | D | | | | | | | | | | | | T | | | | | | | | | | | | | | | | Mudstone | |
| 79 | R | 5 | 84 | 1543.04 | D | R | D | R | | C | R | | | | | | | | | | | T | D | | | | | T | | T | | | | | | | | | Calcareous siltstone | |
| 79 | R | 6 | 52 | 1544.22 | D | | C | D | | | D | | | | T | | T | R | | | | T | R | | | | | | | | | | | | | | | Organic Mudstone | | |
| 80 | R | 1 | 76 | 1546.56 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Carbonate Vein | | |
| 80 | R | 2 | 70 | 1548 | D | | C | D | | | D | | | | | | T | C | | | | | T | | | | | | | | | | | | | | | Mudstone | | |
| 80 | R | 3 | 123 | 1550.03 | M | | C | D | | | D | | | | T | | T | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 81 | R | 1 | 32 | 1555.72 | D | | D | A | | R | D | | | | | | T | | | | | T | C | | | | | | | | | | | | | | | | Claystone | |
| 81 | R | 1 | 48 | 1555.88 | D | | R | D | | | D | | | | | | | | | | | T | T | | | | | | | | | | | | | | | | Claystone | |
| 81 | R | 1 | 51 | 1555.91 | D | T | C | D | | | D | | | | | | | | | | | T | T | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 81 | R | 3 | 6 | 1558.46 | D | | D | C | | | C | | | | | | | | | | T | | D | | | | | | | | | | | | | | | | Calcareous Siltstone | |
| 81 | R | 4 | 135 | 1561.15 | D | | D | A | | C | D | | | | T | | T | T | | | | | C | | | | | | | | | | | | | | | | Nanno Marlstone | |
| 82 | R | 1 | 5 | 1565.05 | D | | D | A | | R | D | | | | T | | | | | | | | C | | | | | | | | | | | | | | | | Claystone | |
| 82 | R | 1 | 20 | 1565.2 | D | | D | A | | C | D | | | | | | | | | | | T | C | | | | | | | | | | | | | | | | Calcareous Claystone | |
| 83 | R | 1 | 64 | 1575.14 | D | T | D | A | | T | D | | | | | | | | | | | T | A | | | | | | | | | | | | | | | | Mudstone | |
| 83 | R | 2 | 64 | 1576.64 | D | | | | | A | R | | | | | | | | | | | | D | | | | | | | | | | | | | | | | | Sandstone with carbonate cement |
| 83 | R | 3 | 67 | 1578.17 | D | R | D | A | | R | D | | | | T | | | | | | | | C | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 83 | R | 3 | 133 | 1578.83 | M | | | | | D | C | | | | | | | | | | | | R | | | | | | | | | | | | | | | | Diagenetic Carbonate | |
| 83 | R | 4 | 16 | 1579.16 | D | | D | A | | R | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 83 | R | 4 | 42 | 1579.42 | M | T | D | A | | R | D | | | | | | | | | | | T | C | | | | | | | | | | | | | | | | Mudstone with Organic Matter | |
| 84 | R | 1 | 68 | 1584.88 | M | | D | A | | | A | | | | | | | | | | | | A | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 84 | R | 2 | 1 | 1585.71 | M | A | A | C | | | C | | | | R | T | T | R | | | | T | A | | | | | | | | | | | | | | | | Calcareous Silty Sandstone | |
| 84 | R | 2 | 114 | 1586.84 | D | | C | D | | | D | | T | | | | | | | | | | T | | | | | | | | | | | | | | | | Mudstone | |
| 84 | R | 3 | 47 | 1587.67 | M | | D | A | | | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Mudstone |
| 85 | R | 1 | 23 | 1587.93 | D | | D | A | | C | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 85 | R | 2 | 62 | 1589.82 | D | | D | A | | C | D | | | | T | | T | T | | | | T | A | | | | | | | | | | | | | | | | Calcareous Claystone | |
| 85 | R | 3 | 70 | 1591.4 | M | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Diagenetic Carbonate | |
| 85 | R | 4 | 96 | 1592.41 | D | D | A | R | | C | C | | | | | | | | | | | T | D | | | | | | | | | | | | | | | | Sandstone with carbonate cement | |
| 85 | R | 5 | 41 | 1593.26 | D | | D | A | | T | D | | | | | | | | | | | | R | C | | | | | | | | | | | | | | | Claystone | |
| 85 | R | 5 | 31 | 1593.36 | M | | D | A | | | D | | | | | | | | | | | | A | | | | | | | | | | | | | | | | Claystone with Kaolin blebs | |
| 86 | R | 1 | 26 | 1595.06 | D | | D | A | | A | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | Marlstone | |
| 86 | R | 5 | 24 | 1601.04 | D | R | D | A | | D | | | T | | | | | R | | | | | C | | | | | | | | | | | | | | | | Claystone | |

| Core | Type | Sct | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay/Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opauques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radiolarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | |
|---------------------------|------|-----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|--------------|---------------------------|-----------|--------|---------|---------------|------------------|--|-------------------------|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | R | 6 | 23 | 1602.03 | D | D | A | A | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | Muddy Sandstone | |
| 87 | R | 2 | 105 | 1607.05 | D | | D | A | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 87 | R | 2 | 107 | 1607.07 | M | | C | D | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 87 | R | 3 | 76 | 1608.3 | M | A | D | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Sandy Siltstone | |
| 87 | R | 5 | 6 | 1610.64 | D | | D | A | | C | D | | T | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 87 | R | 5 | 7 | 1610.65 | D | | C | D | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 87 | R | 6 | 41 | 1612.52 | D | D | A | R | | C | A | | | R | | | | | | | | | | | | | | | | | | | | | | | Muddy Sandstone with Carbonate Cement | |
| 87 | R | 6 | 50 | 1612.61 | D | D | A | R | | C | C | | | R | | | | | | | | | | | | | | | | | | | | | | | Clayey Sandstone with Carbonate Cement | |
| 87 | R | 6 | 67 | 1612.78 | M | | D | A | | C | D | C | | R | | | | | | | | | | | | | | | | | | | | | | | Altered Marlstone | |
| 87 | R | 6 | 72 | 1612.83 | M | | | | | D | | C | | | | | | | | | | | | | | | | | | | | | | | | | Authigenic Carbonate with Biotite | |
| 88 | R | 7 | 119 | 1623.02 | M | | | | | D | C | | | | | | | | | | | | | | | | | | | | | | | | | | Carbonate Vein with some Host Sediment | |
| 88 | R | 8 | 5 | 1623.09 | D | | D | R | | A | D | | | T | | | | | | | | | | | | | | | | | | | | | | | Siltstone with carbonate cement | |
| 89 | R | 1 | 20 | 1623.8 | M | | | | | D | A | | | | | | | | | | | | | | | | | | | | | | | | | | Altered Ash with Carbonate Cement | |
| 89 | R | 1 | 36 | 1623.96 | D | | D | A | | A | D | | T | | | | | | | | | | | | | | | | | | | | | | | | Marlstone | |
| 89 | R | 2 | 26 | 1625.36 | M | | A | D | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 89 | R | 5 | 6 | 1628.7 | D | | D | A | | C | D | | T | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Claystone | |
| 90 | R | 4 | 79 | 1638.56 | D | R | | D | R | A | R | | | T | | | | | | | | | | | | | | | | | | | | | | | Siltstone with carbonate cement | |
| 90 | R | 4 | 100 | 1638.77 | D | | D | A | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 90 | R | 7 | 47 | 1642.14 | M | | | | | C | | | | | | | | | | | | | | | | | | | | | | | | | | | Plant Debris with Carbonate Cement | |
| 91 | R | 2 | 110 | 1645.4 | M | | D | A | | A | | | C | | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 91 | R | 3 | 72 | 1646.52 | M | | A | A | | A | | | C | | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 91 | R | 4 | 10 | 1647.4 | M | | A | D | | D | | | T | | | | | | | | | | | | | | | | | | | | | | | | Marlstone | |
| 91 | R | 4 | 110 | 1648.4 | M | A | | D | C | C | C | | | R | | | | | | | | | | | | | | | | | | | | | | | Muddy Sandstone to Sandy Mudstone | |
| 92 | R | 1 | 131 | 1653.81 | D | | C | D | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 92 | R | 5 | 71 | 1659.21 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Phosphate(?) Concretion |
| 92 | R | 6 | 127 | 1661.27 | M | | C | D | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 93 | R | 1 | 30 | 1662.4 | D | | D | A | | T | D | | | R | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 93 | R | 3 | 36 | 1665.46 | M | | D | A | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone Clast | |
| 93 | R | 3 | 78 | 1665.88 | M | | D | A | | T | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone Clast | |
| 93 | R | 4 | 131 | 1667.91 | D | | D | A | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 93 | R | 5 | 115 | 1669.25 | D | R | | D | A | C | D | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 94 | R | 2 | 40 | 1673.66 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Mineralised Plant Debris | |
| 94 | R | 4 | 42 | 1676.57 | D | | D | A | | C | D | | | | | | | | | | | | | | | | | | | | | | | | | | Marlstone with Organic Matter | |
| 94 | R | 4 | 117 | 1677.32 | D | | D | A | | T | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone with Organic Matter and Pyrite | |
| 96 | R | 1 | 8 | 1690.98 | M | | D | R | | | R | | C | | | | | | | | | | | | | | | | | | | | | | | | Carbonate-cemented Siltstone | |
| 96 | R | 1 | 127 | 1692.17 | M | | | | | | D | | C | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Sandstone | |
| 96 | R | 2 | 75 | 1693.08 | D | | D | A | | A | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 96 | R | CC | 8 | 1698.57 | D | | C | D | | D | D | | | T | | | | | | | | | | | | | | | | | | | | | | | Mudstone | |
| 97 | R | 1 | 82 | 1701.32 | M | | | | | D | C | | | | | | | | | | | | | | | | | | | | | | | | | | Microsparite Limestone | |
| 97 | R | 1 | 97 | 1701.47 | M | | R | D | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 97 | R | 2 | 145 | 1703.45 | D | | D | A | | A | | | | T | | | | | | | | | | | | | | | | | | | | | | | Calcareous Mudstone | |
| 97 | R | 3 | 143 | 1704.93 | M | | | | | D | | | | | | | | | | | | | | | | | | | | | | | | | | | Carbonate Vug fill | |
| 97 | R | 3 | 143 | 1704.93 | M | | | | | R | C | | | | | | | | | | | | | | | | | | | | | | | | | | Hydrogunkite? | |
| 98 | R | 1 | 30 | 1710.4 | D | | D | A | | R | D | | | | | | | | | | | | | | | | | | | | | | | | | | Mudstone with Organic Matter | |
| 98 | R | 1 | 101 | 1711.11 | M | | D | A | | T | D | | | T | | | | | | | | | | | | | | | | | | | | | | | Claystone with Organic Matter and Pyrite | |
| 98 | R | 2 | 140 | 1712.91 | M | | D | C | | R | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |
| 98 | R | 3 | 5 | 1713.06 | M | | | | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Micaceous Claystone | |
| 98 | R | 3 | 35 | 1713.36 | M | | | | | C | D | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous Claystone | |
| 98 | R | 3 | 48 | 1713.49 | M | | | | | A | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone with carbonate cement | |
| 98 | R | 3 | 51 | 1713.52 | M | | D | A | | D | D | | | | | | | | | | | | | | | | | | | | | | | | | | Claystone | |

| Core | Type | Sct | Top (cm) | Depth (mbsf) | Lithology | Sand | Silt | Clay | Barite | Carbonate | Clay Mineral | Dolomite | FeOxide | Feldspar | Glauconite | Heavy Minerals | Mica | Biotite | Muscovite | Opauques | Pyrite | Quartz | Silica | Zeolite | Diatoms | Fish Remains | Foraminifers | Nannofossils | Organic debris | Radiolarians | Siliceous Sponge Spicules | Bioclasts | Cement | Micrite | Rock Fragment | Carbonate Grains | Comments | |
|--|------|-----|----------|--------------|-----------|------|------|------|--------|-----------|--------------|----------|---------|----------|------------|----------------|------|---------|-----------|----------|--------|--------|--------|---------|---------|--------------|--------------|--------------|----------------|--------------|---------------------------|-----------|--------|---------|---------------|------------------|----------|---------------------|
| Hole A (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | R | 3 | 90 | 1713.91 | M | | | | | A | | | | R | | | D | | | | | | | | | | | | | | | | | | | | | Micaceous Claystone |
| <small>"Key: D=Dominant (>50%), A=Abundant (25%-50%), C=Common (10%-25%), R=Rare (2%-10%), and T=Trace (<2%). See "Explanatory Notes" chapter (this volume)."</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----------------------------|----------------------------------|-------------------|-----------------------|-----------------------|---------------------------------|
| Thin Section: | 87R-7, 16-19 cm Piece 2A Unit 5c | | | ODP TS# 1 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.4-0.5 mm | | | | |
| Texture: | Intergranular | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <1 | | 0.8 x 1 or 1.6 x 0.08 | Subhedral | Only two in whole thin section. |
| clinopyroxene | <1 | | up to 1.2 | Anhedral | |
| Groundmass | | | | | |
| plagioclase | 30 | 50-60 | 0.4 | Subhedral to anhedral | Strongly altered. |
| clinopyroxene | 10 | 20 | 0.2 to 0.4 - 0.5 | Anhedral | |
| magnetite | 8 | <5 | 0.3 | | |
| olivine | | <5 | | | |
| glass | | 15 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 25 | | | | |
| clay | 30 | | | | |
| serpentine | <5 | | | | |
| calcite | 3 | | 0.48 | Anhedral | Acicular magnetite. |
| pyrite | 5 | | | Subhedral to euhedral | |
| Comments | Up to 3% apatite are present. | | | | |

| | | | | | | |
|---|------------------------|-------------------|------------------|----------------------|--------------------------|---------------------|
| 87R-6, 86-89 cm Piece 4A Unit 5c | | | | | ODP TS# 2 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | | |
| Grain Size: | 0.2-0.4 mm | | | | | |
| Texture: | Intersertal | | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments | |
| Phenocrysts | | | | | | |
| plagioclase | <1 | | 0.6 | Subhedral | | |
| clinopyroxene | <1 | | 0.8 | Subhedral | | |
| Groundmass | | | | | | |
| plagioclase | <1 | 60 | 0.2-0.4 | | | |
| clinopyroxene | <1 | 10 | 0.2-0.4 | | | |
| magnetite | <<1 | <5 | 0.04-0.08 to 0.8 | Euhedral to anhedral | Smaller euhedral grains. | |
| olivine | <<1 | <5 | | | | |
| glass | | 20 | | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments | |
| chlorite | 45 | | | | | |
| calcite | 10 | | 0.2-0.4 | Anhedral | | |
| clay | 30 | | | | | |
| pyrite | 4 | | 0.04-0.08 to 0.8 | Euhedral to anhedral | | |
| Comments | | | | | | |
| Accessory apatite are present up to 1%. | | | | | | |

| | | | | | |
|-----------------------------|--|-------------------|------------------|------------------------------|-----------------------|
| 87R-6, 108-113 cm | Piece 5A | Unit 5c | | ODP TS# 3 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.2-0.4 mm | | | | |
| Texture: | Intersertal | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <1 | | up to 0.8 | Subhedral | |
| Groundmass | | | | | |
| plagioclase | <1 | 60 | 0.4 | | |
| cpx | <1 | 10 | 0.16-0.2 | | |
| magnetite | 3 | <5 | 0.04-0.8 | Subhedral to anhedral grains | |
| olivine | | <5 | | | |
| glass | | 20 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 20 | | | | |
| calcite | 15 | | 0.8 | | |
| clay | 45 | | | | |
| pyrite | 7 | | 0.2 | Subhedral to euhedral | Some acicular pyrite. |
| Comments | The rock contains up to 3% apatite. Fluid inclusions are very frequent especially in the pyroxene. In the thin section one zone containing spherulitic calcite up to 2.5 mm in size and acicular pyrite are found. The zone has a subophitic texture and is less altered than the remainder of the thin section. | | | | |

| 88R-2, 93-96 cm Piece 4A Unit 5c | | | ODP TS# 4 | | Observer: AE |
|--|---------------------------|------------|----------------------|-----------------------|--|
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.6-0.8 mm | | | | |
| Texture: | Intersertal to subophitic | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <<1 | | 1.4 x 0.7 | Subhedral | Zoned, only one in whole thin section. |
| clinopyroxene | <1 | | 1.6 (original size?) | | Altered. |
| Groundmass | | | | | |
| plagioclase | 50 | 60 | 0.32-0.6 | Subhedral to anhedral | Size only due to degree of alteration. |
| clinopyroxene | 7 | 10-20 | 0.08-0.6 | | |
| magnetite | 5 | <5 | up to 0.5 | | |
| olivine | | <5 | | | |
| glass | | 10-20 | | | |
| Accessory minerals | % present | % original | Size (mm) | Morphology | Comments |
| apatite | 4 | | 0.3 | Euhedral | Only a few crystals. |
| biotite | <3 | | 0.2 | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 10 | | | | Acicular. |
| pyrite | 2 | | | | |
| clay | 30 | | | | |
| Comments | | | | | |
| "Half the thin section is a zone which is very different from the background in terms of texture (intersertal), composition, and crystal shapes. In this zone albite crystals are up to 1 mm and zoned and clinopyroxene is totally alteration. There are large calcite crystals, generally 1.6 mm, however the largest is 4 mm. In addition, acicular pyrite up to 5 mm and clay minerals are common, and occur together with feldspar and quartz (XRD). A pyrite vein is present. Analcime was identified by XRD." | | | | | |

| | | | | | |
|--|--|-------------------|------------------------|-----------------------|---------------------|
| 88R-3, 56-59 cm Piece 6 Unit 5c | | | | ODP TS# 5 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.5-0.7 mm | | | | |
| Texture: | Intersertal to subophitic | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| clinopyroxene | <1 | | 1.2-1.8 | | Strongly altered. |
| Groundmass | | | | | |
| plagioclase | 45 | 60 | 0.2-0.6 | Anhedral | |
| clinopyroxene | 10 | 20-Oct | 0.38-0.5 and up to 0.7 | Anhedral | |
| magnetite | 5 | <5 | 0.15-0.3 | | |
| olivine | | <5 | | | |
| glass | | 20-Oct | | | |
| Accessory minerals | % present | % original | Size (mm) | Morphology | Comments |
| apatite | 2 | | | | |
| biotite | <3 | | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 10 | | | | |
| clay | 20 | | | | |
| pyrite | 2 | | | Anhedral to subhedral | Acicular. |
| Comments | Anacime and quartz were identified by XRD. | | | | |

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|---|---|-------------------|------------------|-------------------|----------------------|
| 88R-3, 121-125 cm Piece 10 Unit 5c | | | | ODP TS# 6 | Observer AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.6-0.8 mm | | | | |
| Texture: | Intersertal to subophitic | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <1 | | 1.14 to 1.8 | Subhedral | Zoned, albite twins. |
| Groundmass | | | | | |
| plagioclase | 50 | 60 | 0.4-0.5 | Subhedral | |
| clinopyroxene | 20 | 20-Oct | 0.4 to 0.5 | Subhedral | |
| magnetite | 5 | <5 | 0.16 to 0.4 | Subhedral | |
| olivine | | <5 | | | |
| glass | | 0-20 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 10 | | | | |
| clay | 20 | | | | |
| calcite | 5 | | 0.32 to 1 | Anhedral | |
| pyrite | 7 | | 0.16 to 0.4 | Euhedral | |
| Comments | Apatite up to 2% in the thin section. Quartz and analcime were identified by XRD. | | | | |

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|---|---------------------------|-------------------|-------------------------|-----------------------|----------------------|
| 88R-4, 111-115 cm Piece 10B Unit | | 5c | | ODP TS# 7 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.6-0.8 mm | | | | |
| Texture: | Intersertal to subophitic | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <1% | | up to 4.5 , average 1.5 | Subhedral to euhedral | Zoned, albite twins. |
| clinopyroxene | <1% | | 1 x 1 | Subhedral to anhedral | Altered up to 80% |
| Groundmass | | | | | |
| plagioclase | 45 | 60 | 0.5 | Subhedral | |
| clinopyroxene | 13 | 10-20 | 0.3 up to 0.7 | Subhedral | |
| magnetite | 5 | <5 | 0.3-0.5 | Subhedral | |
| olivine | | <5 | | | |
| glass | | 10-20 | | | |
| Accessory minerals | % present | % original | Size (mm) | Morphology | |
| apatite | 4 | | | | |
| biotite | <1 | | | | |
| analcime | <1 | | 0.5 x 0.7 | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | |
| chlorite | 28 | | | | |
| clay | 2 | | | | |
| calcite | <<1 | | 0.5 x 0.7 | Anhedral | |
| pyrite | 2 | | 0.3 - 0.5 | Euhedral | |
| Comments | | | | | |
| Fluid inclusions in clinopyroxene. Quartz and analcime were defined by XRD. | | | | | |

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|--|-----------------------------|-------------------|-------------------|-----------------------|---|
| 88R-5, 104-109 cm Piece 3B Unit | | | | ODP TS# 8 | Observer: AE |
| 5c | | | | | |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.6-0.8 mm | | | | |
| Texture: | Subophitic to intergranular | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <<1 | | 1.5 x 1.5 | | Only one large crystal. Altered up to 80%. |
| clinopyroxene | <1 | | largest 1.6 x 1.2 | | |
| Groundmass | | | | | |
| plagioclase | 40 | 50-60 | | | |
| clinopyroxene | 25 | 20-30 | 0.4 to 0.7 | | |
| magnetite | 3 | <5 | 0.4 - 0.6 | | |
| olivine | | <5 | | | |
| glass | | 10 | | | |
| Accessory minerals | % present | % original | Size (mm) | Morphology | |
| biotite | <3 | | | | |
| apatite | 5 | | | | |
| Secondary minerals | % present | % original | Size (mm) | Morphology | |
| chlorite | 10 | | | | |
| clay | 20 | | | | |
| pyrite | 2 | | up to 0.6 | Subhedral to euhedral | |
| calcite | <1 | | 0.4 x 0.3 | | |
| Comments | | | | | |
| Large clinopyroxene range in size from 0.8 to >1 mm (phenocrysts). Quartz and analcime were identified by XRD. | | | | | |

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|--|--|-------------------|-----------------------|-----------------------|---------------------|
| 88R-6, 69-72 cm Piece 2 Unit 5c | | | | ODP TS# 9 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.4-0.5 mm | | | | |
| Texture: | Intersertal | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <<1 | | 1.8 x 1 | Subhedra | One large crystal. |
| clinopyroxene | <1 | | 1 x 1 | Subhedral to anhedral | |
| Groundmass | | | | | |
| plagioclase | 45 | 60 | 0.32-0.6; average 0.4 | Subhedral | |
| clinopyroxene | 15 | 10 | 0.2 to 0.8 | Subhedral | |
| magnetite | 6 | <5 | | Subhedral | |
| olivine | | <5 | | | |
| glass | | <20 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 5 | | | | |
| clay | 25 | | | | |
| calcite | 1 | | 0.32-0.8 | Anhedral | |
| pyrite | 3 | | | Euhedral | Some acicular. |
| Comments | Quartz and biotite were identified by XRD. | | | | |

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|--|-------------------------|-------------------|------------------|-------------------|---------------------|
| 88R-7, 93-96 cm Piece 3 Unit 5c | | | | ODP TS# 10 | Observer: AE |
| Rock Name: | Aphyric dolerite | | | | |
| Grain Size: | 0.4-0.6 mm | | | | |
| Texture: | Intersertal | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| clinopyroxene | <1 | | 0.8 to 1 | | |
| Groundmass | | | | | |
| plagioclase | 30 | 60 | 0.4- 0.6 | Subhedral | |
| clinopyroxene | 5 | 10 | 0.4-0.6 | Subhedral | |
| magnetite | 7 | <5 | | | |
| olivine | | <5 | | | |
| glass | | 20 | | | |
| Secondary Mineralogy | | | | | |
| chlorite | 5 | | | | |
| clay | 55 | | | | |
| calcite | 3 | | 0.2-0.8 | Anhedral | |
| pyrite | 1 | | | Euhedral | |
| Comments | Accessory apatite <2%. | | | | |

| | | | | | |
|---|-----------------------|-------------------|------------------|-------------------|-----------------|
| 99R-1, 123-126 cm Piece 21 Unit 5c | | | | ODP TS# 11 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.6-0.8 mm | | | | |
| Texture: | Ophitic to subophitic | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| clinopyroxene | <1 | | 1-2 | | |
| Groundmass | | | | | |
| plagioclase | 10 | 40-50 | 0.4-0.6 | | |
| clinopyroxene | 20 | 20-30 | 0.6-0.8 | | |
| magnetite | <5 | <5 | | | |
| olivine | | <5 | | | |
| glass | | <10 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 15 | | | | |
| clay | 35 | | | | |
| opaque altered | 12 | | 0.2-0.4 | | |
| pyrite | 3 | | 0.2-0.4 | | Some acicular. |
| Comments | | | | | |
| Semi-opaque, subhedral to euhedral mineral (~10% of the thin section) -- not identified on the ship. Apatite occurs as accessory mineral (<2%). | | | | | |

| | | | | | |
|---|------------------------------|-------------------|------------------|-------------------|---------------------|
| 99R-3, 110-114 cm Piece 12 Unit 5c | | | | ODP TS# 12 | Observer: AE |
| Rock Name: | Porphyritic diabase | | | | |
| Grain Size: | 0.6-0.8 mm | | | | |
| Texture: | Ophitic to subophitic | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| clinopyroxene | 30 | | 4-5 | | |
| Groundmass | | | | | |
| plagioclase | 12 | 40-50 | 0.4-0.6 | | |
| clinopyroxene | 5 | 20-30 | 0.6-0.8 | | |
| magnetite | <5 | <5 | | | |
| olivine | | <5 | | | |
| glass | | <10 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| chlorite | 5 | | | | |
| clay | 35 | | | | |
| opaque altered | 10 | | 0.2-0.4 | | |
| pyrite | 2 | | 0.2-0.4 | | Some acicular. |
| Comments | | | | | |
| Semi-opaque, subhedral to euhedral mineral (~10% of the thin section) -- not identified on the ship. Apatite occurs as accessory mineral (<2%). | | | | | |

| | | | | | |
|--|------------------------------------|-------------------|--------------------|-------------------|---|
| 88R-1, 93-95 cm Piece 2A Unit 5c | | | | ODP TS# 13 | Observer: AE |
| Rock Name: | Aphyric diabase | | | | |
| Grain Size: | 0.4-0.5 mm | | | | |
| Texture: | Subophitic to intergranular | | | | |
| Primary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| Phenocrysts | | | | | |
| plagioclase | <<1 | | 3.2 x 0.92 | Subhedral | Only one phenocryst. Altered to 70%-85%. |
| clinopyroxene | <1 | | 0.8 x 0.8 to 1 x 1 | | |
| Groundmass | | | | | |
| plagioclase | 50 | 40-50 | 0.48 | Subhedral | |
| clinopyroxene | 5 | 20 | 0.2-0.52 | Subhedral | |
| magnetite | 7 | <5 | 0.2 - 0.48 | | |
| olivine | | <5 | | | |
| glass | | <10 | | | |
| Secondary Mineralogy | % present | % original | Size (mm) | Morphology | Comments |
| clay | 40 | | | | |
| calcite | <1 | | 0.4-0.52 | | |
| pyrite | 7 | | 0.2 - 0.48 | | Some acicular. |
| Comments | | | | | |
| Accessory apatite <5% and biotite (<3%). Analcime and quartz were identified by XRD. | | | | | |

**CORE DESCRIPTIONS
PIECE LOG, SITE 1276**

| Core | Section | Piece | Top | Bottom |
|---------------|---------|-------------------|-------|--------|
| Hole A | | | | |
| 87R | 6 | altered sediments | 0 | 6 |
| 87R | 6 | | 6 | 26 |
| 87R | 6 | | 26 | 45 |
| 87R | 6 | 1A | 46 | 58.5 |
| 87R | 6 | 2A | 60 | 69 |
| 87R | 6 | 3A | 70 | 75 |
| 87R | 6 | 4A | 76 | 90 |
| 87R | 6 | 5A | 92 | 134 |
| 87R | 6 | 6A | 136.5 | 140 |
| 87R | 7 | 1A | 0 | 15 |
| 87R | 7 | 2A | 15 | 25 |
| 88R | 1 | 1A | 1 | 3 |
| 88R | 1 | 2A | 3 | 100 |
| 88R | 2 | 1A | 0 | 68 |
| 88R | 2 | 1B | 68 | 69 |
| 88R | 2 | 2A | 70 | 73 |
| 88R | 2 | 3A | 73 | 86 |
| 88R | 2 | 4A | 87 | 99 |
| 88R | 2 | 4B | 99 | 116 |
| 88R | 2 | 5A | 117 | 130 |
| 88R | 2 | 6A | 131 | 142 |
| 88R | 3 | 1A | 1 | 9 |
| 88R | 3 | 2A | 10 | 24 |
| 88R | 3 | 3A | 26 | 27 |
| 88R | 3 | 4A | 28 | 34 |
| 88R | 3 | 5A | 35 | 50 |
| 88R | 3 | 6A | 52 | 64 |
| 88R | 3 | 7A | 66 | 80 |
| 88R | 3 | 8A | 80 | 100 |
| 88R | 3 | 9A | 101 | 115 |
| 88R | 3 | 10A | 116 | 127 |
| 88R | 3 | 11A | 128 | 142 |
| 88R | 3 | 12A | 143 | 146 |
| 88R | 3 | 13A | 147 | 148 |
| 88R | 4 | 1A | 0 | 13 |
| 88R | 4 | 2A | 14 | 41 |
| 88R | 4 | 3A | 41 | 44 |
| 88R | 4 | 4A | 44 | 47 |
| 88R | 4 | 5A | 47 | 51 |
| 88R | 4 | 6A | 51 | 55 |
| 88R | 4 | 7A | 55 | 58 |
| 88R | 4 | 8A | 58 | 73 |
| 88R | 4 | 9A | 74 | 87 |
| 88R | 4 | 10A | 89 | 107 |
| 88R | 4 | 10B | 107 | 114 |
| 88R | 4 | 10C | 114 | 117 |
| 88R | 4 | 11A | 118 | 128 |
| 88R | 4 | 12A | 129 | 148 |
| 88R | 5 | 1A | 0 | 16 |
| 88R | 5 | 1B | 16 | 28 |
| 88R | 5 | 2A | 30 | 43 |
| 88R | 5 | 2B | 43 | 48 |
| 88R | 5 | 3A | 49 | 71 |
| 88R | 5 | 3B | 71 | 108 |
| 88R | 6 | 1A | 0 | 67 |
| 88R | 6 | 2A | 68 | 105 |
| 88R | 6 | 3A | 106 | 121 |
| 88R | 7 | 1A | 0 | 38 |
| 88R | 7 | 2A | 39 | 80 |
| 88R | 7 | 3A | 81 | 97 |
| 88R | 7 | 4A | 98 | 102 |
| 88R | 7 | 5A | 102 | 115 |
| 88R | 7 | 6A | 116 | 117 |
| 88R | 7 | 7A | 119 | 120 |
| 99R | 1 | 1A | 0 | 4 |
| 99R | 1 | 2A | 4 | 7 |
| 99R | 1 | 3A | 7 | 11 |
| 99R | 1 | 4A | 11 | 23 |
| 99R | 1 | 5A | 25 | 28 |
| 99R | 1 | 6A | 28 | 32 |
| 99R | 1 | 7A | 32 | 36 |
| 99R | 1 | 8A | 37 | 40 |
| 99R | 1 | 9A | 40 | 48 |
| 99R | 1 | 10A | 49 | 53 |
| 99R | 1 | 11A | 53 | 56 |
| 99R | 1 | 12A | 56 | 60 |
| 99R | 1 | 13A | 61 | 64 |

| Core | Section | Piece | Top | Bottom |
|---------------|---------|-------|-----|--------|
| Hole A | | | | |
| 99R | 1 | 14A | 64 | 69 |
| 99R | 1 | 15A | 70 | 74 |
| 99R | 1 | 16A | 75 | 78 |
| 99R | 1 | 17A | 78 | 83 |
| 99R | 1 | 18A | 84 | 95 |
| 99R | 1 | 19A | 97 | 111 |
| 99R | 1 | 20A | 111 | 114 |
| 99R | 1 | 21A | 114 | 137 |
| 99R | 1 | 22A | 137 | 142 |
| 99R | 2 | 1A | 0 | 9 |
| 99R | 2 | 2A | 10 | 16 |
| 99R | 2 | 3A | 17 | 24 |
| 99R | 2 | 4A | 25 | 30 |
| 99R | 2 | 5A | 30 | 40 |
| 99R | 2 | 6A | 40 | 44 |
| 99R | 2 | 7A | 45 | 49 |
| 99R | 2 | 8A | 49 | 66 |
| 99R | 2 | 8B | 63 | 69 |
| 99R | 2 | 9A | 69 | 72 |
| 99R | 2 | 10A | 72 | 81 |
| 99R | 2 | 11A | 82 | 89 |
| 99R | 2 | 12A | 90 | 95 |
| 99R | 2 | 13A | 95 | 109 |
| 99R | 2 | 13B | 104 | 112 |
| 99R | 2 | 14A | 113 | 118 |
| 99R | 2 | 15A | 118 | 120 |
| 99R | 2 | 16A | 120 | 127 |
| 99R | 2 | 17A | 127 | 130 |
| 99R | 2 | 18A | 130 | 140 |
| 99R | 2 | 19A | 140 | 145 |
| 99R | 3 | 1A | 0 | 16 |
| 99R | 3 | 1B | 16 | 22 |
| 99R | 3 | 2A | 22 | 31 |
| 99R | 3 | 3A | 32 | 36 |
| 99R | 3 | 4A | 37 | 49 |
| 99R | 3 | 5A | 50 | 54 |
| 99R | 3 | 6A | 54 | 57 |
| 99R | 3 | 7A | 58 | 63 |
| 99R | 3 | 8A | 64 | 79 |
| 99R | 3 | 9A | 80 | 88 |
| 99R | 3 | 10A | 89 | 101 |
| 99R | 3 | 11A | 101 | 109 |
| 99R | 3 | 12A | 109 | 118 |
| 99R | 3 | 13A | 118 | 133 |
| 99R | 3 | 14A | 133 | 149 |
| 99R | 4 | 1A | 0 | 8 |
| 99R | 4 | 2A | 9 | 16 |
| 99R | 5 | 1A | 0 | 29 |
| 99R | 5 | 1B | 29 | 39 |
| 99R | 5 | 1C | 39 | 49 |
| 99R | 5 | 2A | 50 | 66 |
| 99R | 5 | 3A | 67 | 73 |
| 99R | 5 | 4A | 74 | 87 |
| 99R | 5 | 5A | 87 | 94 |
| 99R | 5 | 6A | 94 | 102 |
| 99R | 5 | 7A | 103 | 112 |
| 99R | 5 | 7B | 112 | 120 |
| 99R | 6 | 1A | 0 | 8 |
| 99R | 6 | 2A | 8 | 29 |
| 99R | 6 | 3A | 30 | 35 |
| 99R | 6 | 4A | 35 | 43 |

| Core | Section | Interval | Porphyr. | Contacts | Comments |
|---------------|---------|------------|-----------------|-------------------|--|
| Hole A | | | | | |
| 87R | 6 | 110-113 cm | <5 mm, anhedral | | Zone defined by porphyroclasts dipping approx. 20. |
| 88R | 1 | 56-62 cm | | gradual | Change in texture, finer crystal size, more of white (?) mineral. Vein that cut into zone |
| 88R | 2 | 0-1 cm | | | Finer crystal size and white (?) mineral. |
| 88R | 2 | 27-32 cm | | | Slightly different, not as well-defined as previous (not a band), more like a alteration zone. |
| 88R | 2 | 91-94 cm | <4 mm, anhedral | | Porphyroclasts of plag. and dark greenish black anhedral mineral. |
| 88R | 2 | 115-120 cm | | | See 88R_2W_91-94 cm. Relic minerals overgrown by white chlorite (?) mineral. |
| 88R | 3 | 29-34 cm | | | See 88R_2W_91-94 cm. |
| 88R | 3 | 51-54 cm | | | See 88R_2W_91-94 cm. |
| 88R | 4 | 59-63 cm | | | See 88R_2W_91-94 cm. |
| 88R | 6 | 88-105 cm | anhedral | | Vertical zone of porphyric anhedral plag. |
| 99R | 2 | 77 cm | | sharp, undulating | 3-5-mm-wide zone of white mineral and green vein material. |
| 99R | 3 | 6 cm | | gradational | 4-mm-wide zone |
| 99R | 3 | 148 cm | | sharp | Base missing |

| Core | Section | Interval | Width | App. Orient. | Fracture | Composition | halo | Metamorph. | Comment |
|---------------|---------|------------|---------|--------------|----------|-----------------------|-------------|--|---|
| Hole A | | | | | | | | | |
| 87R | 6 | 7-41 cm | 1 mm | C, V | | 95% cc, 5% ore | | | Folded by compaction |
| 87R | 6 | 76 cm | 1 mm | H | | cc | | | Sparry crystals |
| 87R | 6 | 78-83 cm | <1 mm | V | | cc | | | |
| 87R | 6 | 78-79 cm | 10 mm | SH | | | | | |
| 87R | 6 | 139 cm | 1-2 mm | H | | cc | | | |
| 87R | 6 | 139-140 cm | 1 cm | SH | | | | | Bounded by other vein |
| 88R | 1 | 55-57 cm | <1 mm | C | | cc | | | |
| 88R | 2 | 0-17 cm | <1mm | SV | | | | | Fracture |
| 98R | 1 | 4-17 cm | 1 mm | V | | cc 70%, py 30% | | In sediment | |
| 98R | 1 | 33-52 cm | 1 mm | SV | | cc 70%, py 30% | | In sediment | |
| 98R | 1 | 59-61 cm | <1 mm | SV | | py | | In sediment | |
| 98R | 1 | 112-114 cm | << 1 mm | N | | qz 90%, py 5%, ore 5% | cc, 1mm | Metamorph. | Vein <<1 mm with halo 1 mm on each side. |
| 98R | 1 | 125 cm | 1 mm | SH, N | | qz 90%, py 5%, ore 5% | | Metamorph. | |
| 98R | 2 | 7 cm | <1 mm | SH, N | | | | | |
| 98R | 2 | 8 cm | <1 mm | SH, N | | | | | |
| 98R | 2 | 11 cm | 1 mm | SH, N | | cc 90%, py 10% | green, 1 mm | | Halo 1 mm on each side. Green mineral chl (?) or zeolite. |
| 98R | 2 | 21-28 cm | 2 mm | V, C | | py 95%, ore 5% | | | |
| 98R | 2 | 30-31 cm | 4 mm | SV | | cc | | | |
| 98R | 2 | 36-37 cm | <1 mm | SV | | cc | | Blk sediment | |
| 98R | 3 | 15-18 cm | <1 mm | O | | py 50%, ore 50% | | | |
| 98R | 3 | 35-40 cm | | | | | | | |
| 98R | 3 | 40-45 cm | | V, N | | | | Beige sst | |
| 98R | 3 | 70-72 cm | <<1 mm | NET, H | | | | | |
| 98R | 3 | 77 cm | 1 mm | SV, C | | cc 95%, ore 5% | | | |
| 99R | 1 | 15-20 cm | | H, V, N | Fracture | | | | |
| 99R | 1 | 83 cm | 1 mm | H, V, N | Fracture | | | | |
| 99R | 2 | 11 cm | <1 mm | O | Fracture | | | Some opaque mineral crystallization | |
| 99R | 2 | 18-24 cm | <1 mm | H, V, N | Fracture | | | Cutting whole core width | |
| 99R | 2 | 30-39 | 2 mm | V | | green min. | 3 mm | Unknown green mineral (chl or possible zeolite?) | |
| 99R | 2 | 61 cm | | O | Fracture | | | Cutting whole core width. Slickenlines in amp seen. | |
| 99R | 2 | 73 cm | 1 mm | O | Fracture | | | | |
| 99R | 2 | 100 cm | <<1 mm | H | Fracture | | 2 mm | Strange vein with halo of blueish/green unknown mineral. | |
| 99R | 2 | 103-109 | <1 mm | O | Fracture | | | | |
| 99R | 3 | 46-49 cm | | C | Fracture | | 3 mm | Cutting whole core width. | |
| 99R | 3 | 82 cm | 1 mm | H | | qz | | Open fracture but has 3-5 mm halo on both sides with green/white unknown material. | |
| 99R | 3 | 139 cm | 2 mm | H | | qz | | | |
| 99R | 5 | 69 cm | 3 mm | H, C | | ? | | White mineral | |
| 99R | 6 | 39 cm | 1 mm | ? | | ? | | Same white material in small non oriented piece. | |