NGHP Expedition 1

Cored Interval Site 17 - Hole A

Seafloor 1356 (m)

Depth (mbsf)

CORE — Cored / Recovered

WIRELINE — Gamma Ray (API); Vp (m/s) 1400–2200; Density (g/cc) 1.5–3.0; Spher Foc Res 0.6–4 (ohm.m); Deep Induction 0.6–4 (ohm.m)

SEDIMENTARY LOG — Lithology; Stratigraphy; Bioturbation; Diagenesis; Magnetic Susceptibility 0–700 (SI); Ash Bearing Intervals (thickness) 0–30 cm; FMS Resistivity low–high 0–180–360; Fossils; Disturbance

~SMI

~BSR

Zone of Potential Gas Hydrate Occurrence

Lithostratigraphic Unit Ia

Lithostratigraphic Unit Ib

Lithostratigraphic Unit I c

Key

Cored & Recovered:

- APC Core Recovery
- Cored Interval No Recovery
- XCB Core Recovery
- Pressure Core Recovery

Lithology:

- Catwalk Sampled Core
- Foraminifera Rich Nannofossil Ooze
- Foraminifera Bearing Nannofossil Ooze
- Nannofossil Ooze
- Authigenic Carbonate Rich Nannofossil Ooze
- Authigenic Carbonate Bearing Nannofossil Ooze
- Biosiliceous Rich Nannofossil Ooze
- Biosiliceous Bearing Nannofossil Ooze
- Volcanic Ash

Bioturbation:

- Rare
- Moderate
- Common
- Abundant

Diagenesis:

- PY Pyrite
- Fe FeS
- Fe FeS Nodule

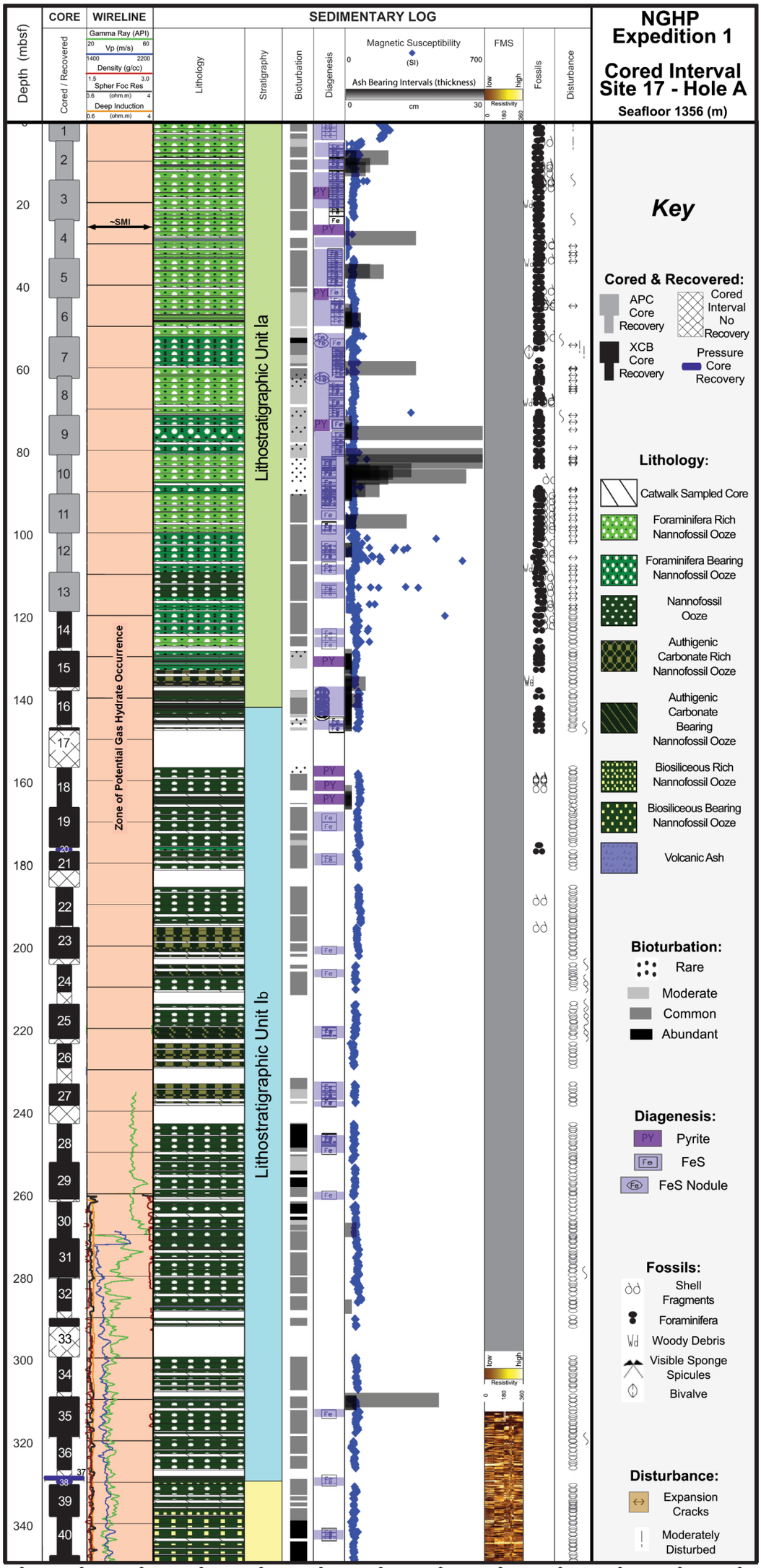
Fossils:

- Shell Fragments
- Foraminifera
- Wd Woody Debris
- Visible Sponge Spicules
- Bivalve

Disturbance:

- Expansion Cracks
- Moderately Disturbed
- Very Disturbed
- Biscuit & Slurry
- Drilling Induced Fractures

Zone of Potential Gas Hydrate Occurrence



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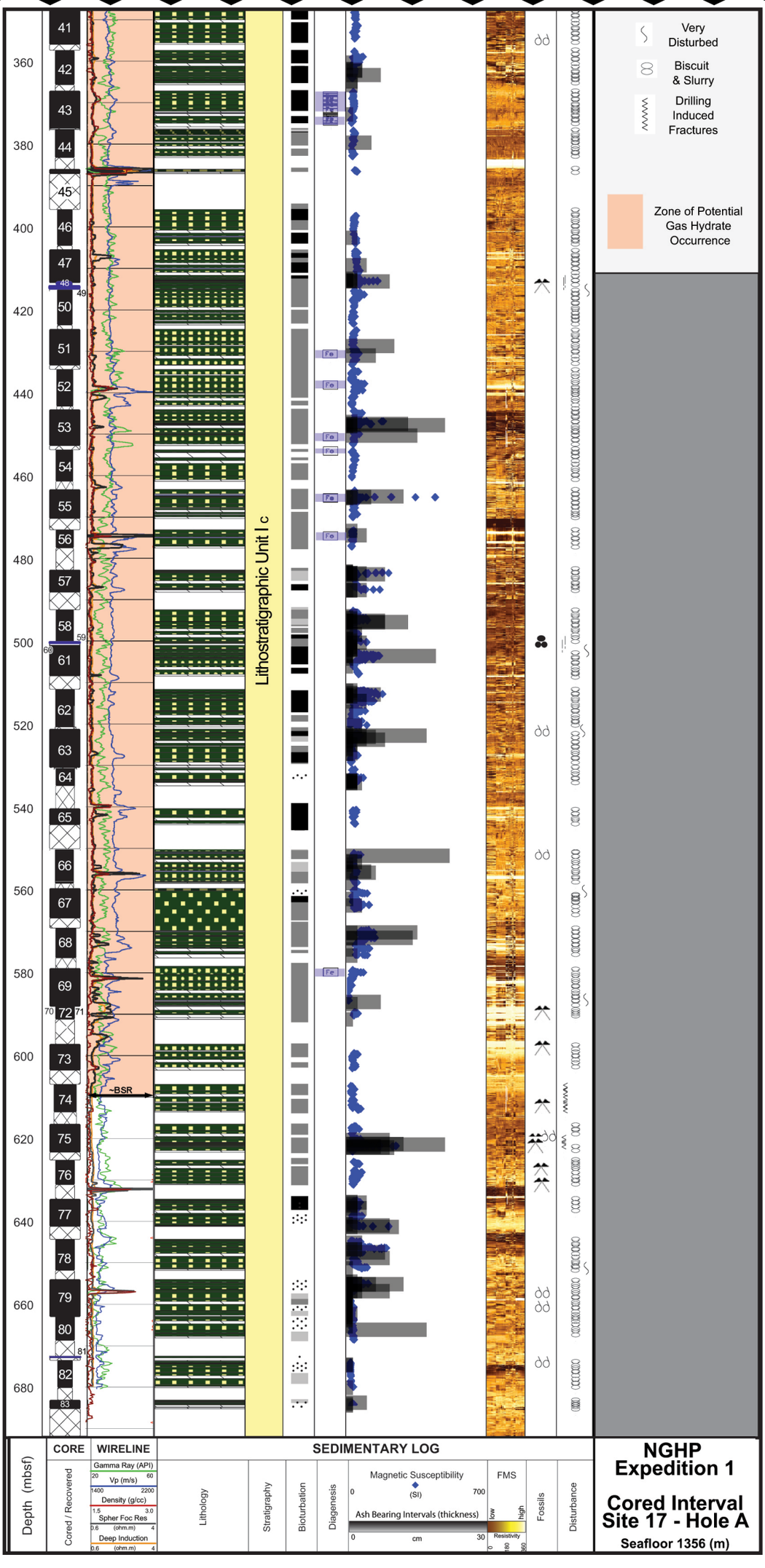
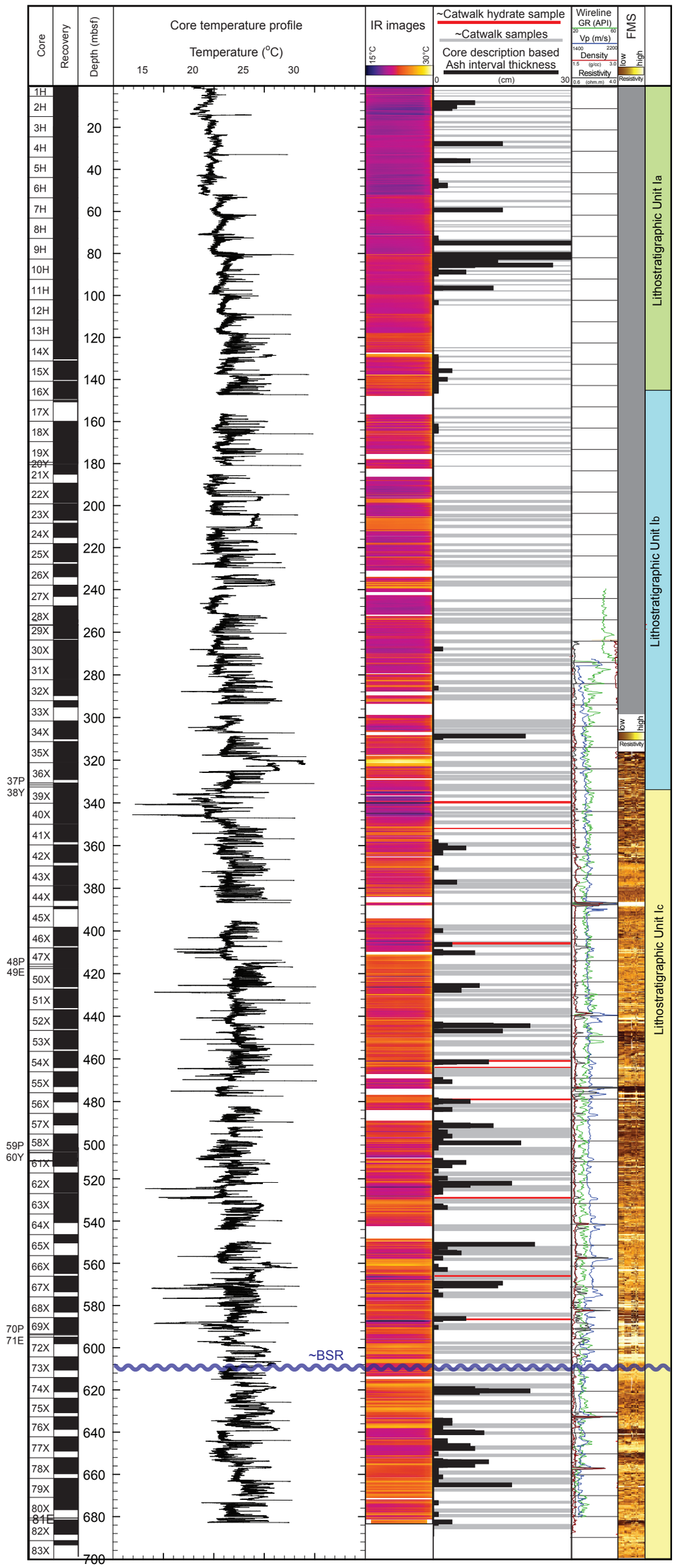


NGHP Expedition 1

Cored Interval
Site 17 - Hole A

Seafloor 1356 (m)


Core
Recovery
Depth (mbsf)
Core temperature profile
Temperature (°C)
15
20
25
30
IR images
15°C
30°C
~Catwalk hydrate sample
~Catwalk samples
Core description based
Ash interval thickness
0
(cm)
30
Wireline
GR (API)
20
60
Vp (m/s)
1400
2200
Density
1.5
(g/cc)
3.0
Resistivity
0.6
(ohm.m)
4.0
FMS
low
high
Resistivity
Lithostratigraphic Unit Ia
Lithostratigraphic Unit Ib
Lithostratigraphic Unit Ic
~BSR
37P
38Y
48P
49E
59P
60Y
70P
71E