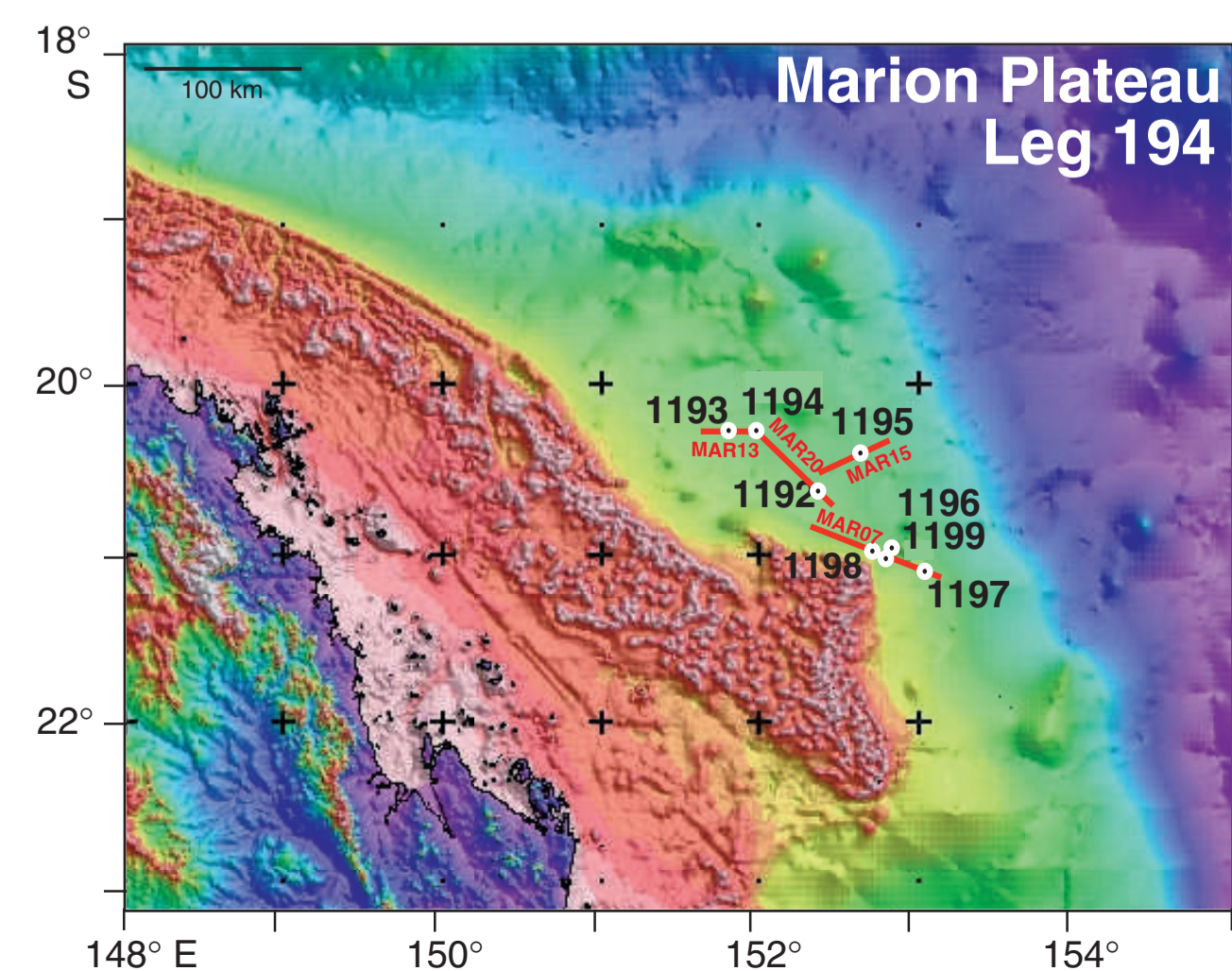
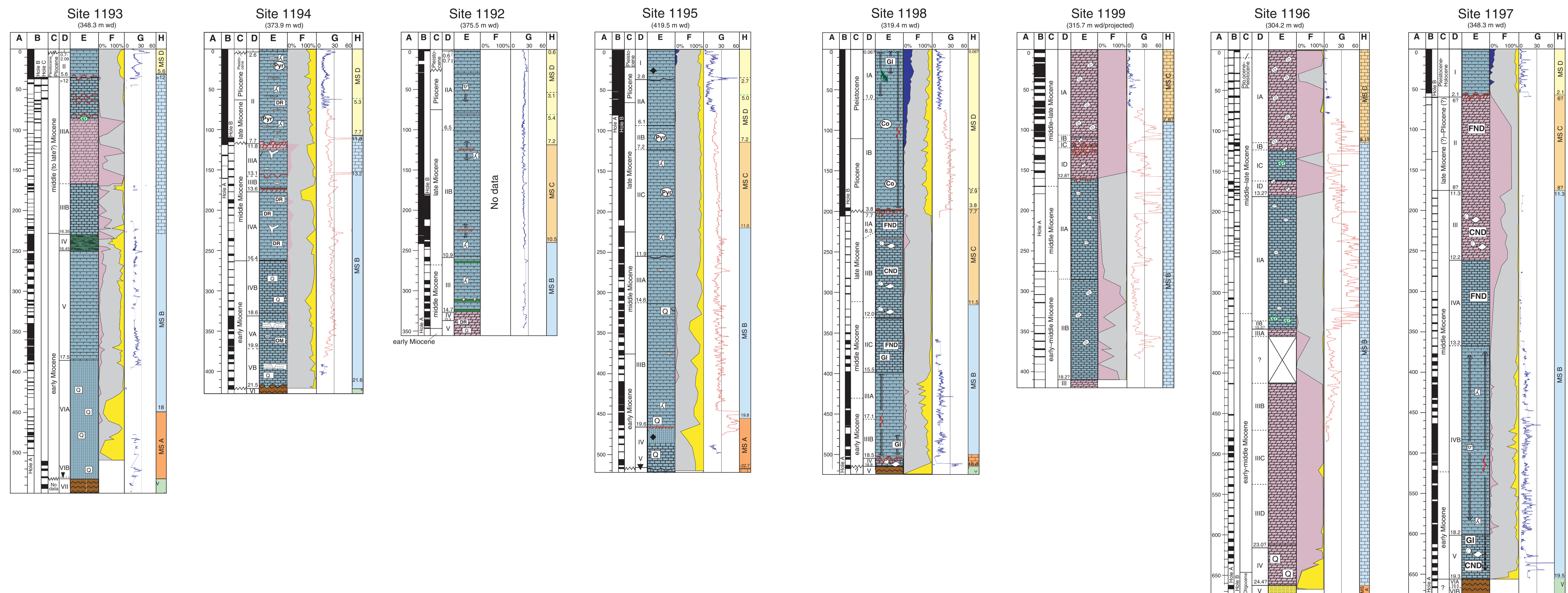
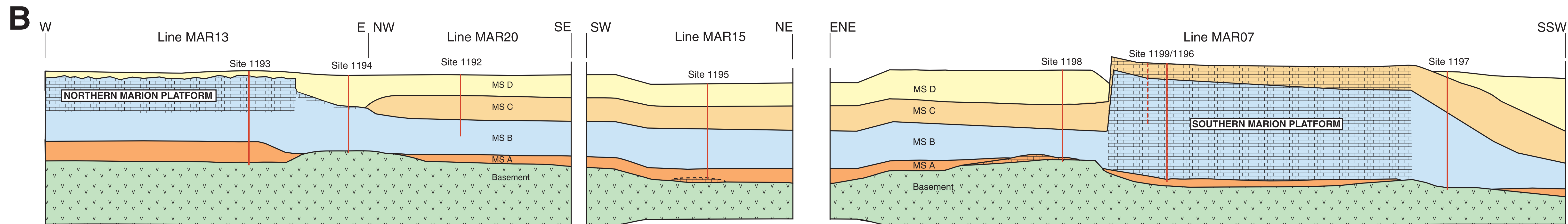


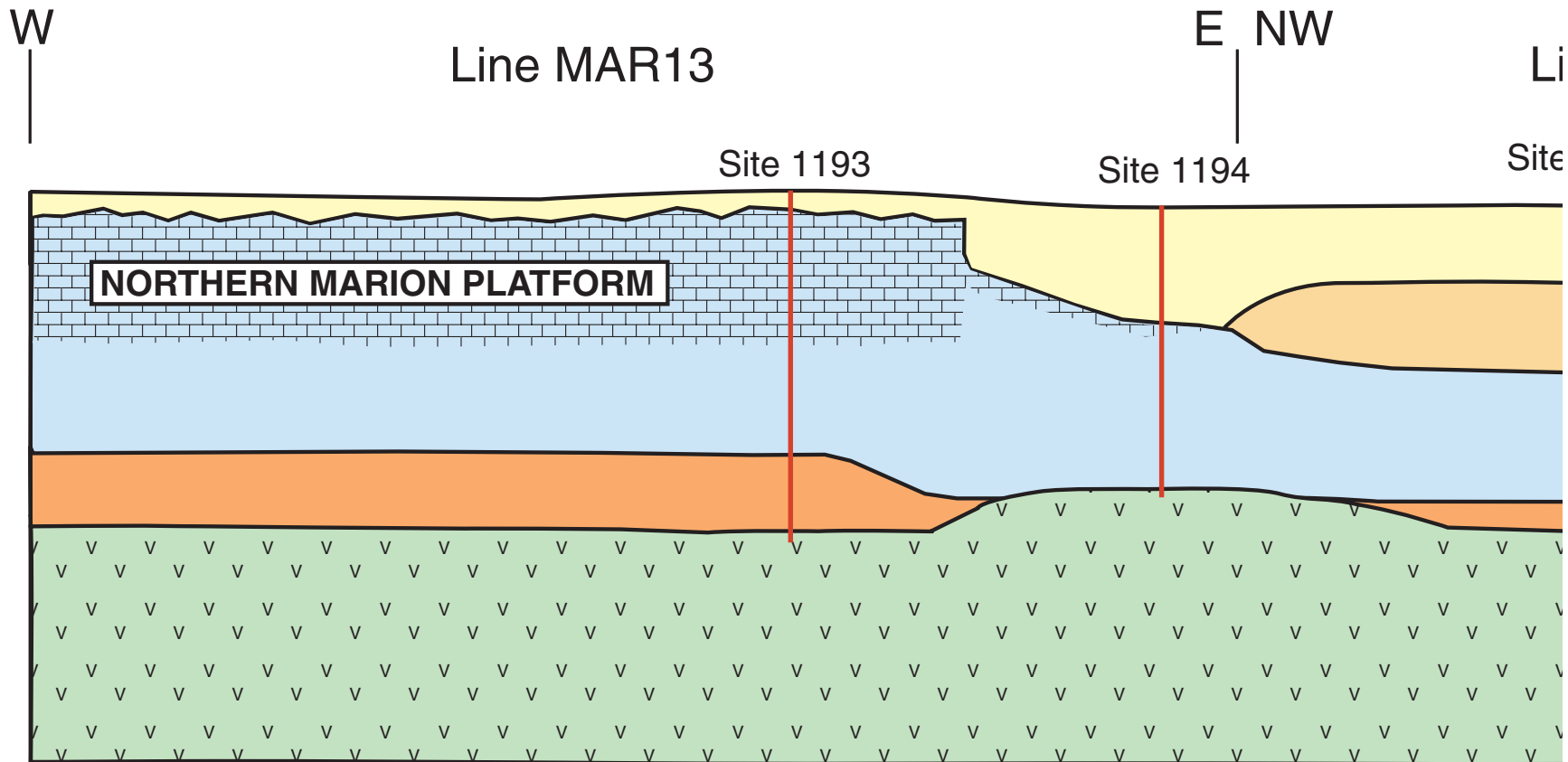
ODP Proceedings, Initial Reports, Volume 194, Chapter 1, Figure F10B. Stratigraphic correlation summary for Leg 194. The upper part of the figure shows a geological transect (sketch) representing all sites of Leg 194, from the Northern Marion Platform to the Southern Marion Platform and its talus. In the middle portion of the figure, seven data panels are presented for each site. In the bottom portion of the figure, an explanation is provided describing the data and symbols used. Data sets include depth downhole in mbsf, core number, core recovery, lithostratigraphic units with age derived from biostratigraphy and magnetostratigraphy, a graphic display of the lithologies, mineralogy based upon XRD analysis, natural gamma ray profiles from downhole logging and core-based physical properties measurements, and the megasequences defined from seismic reflection data. MS = megasequence, wd = water depth.

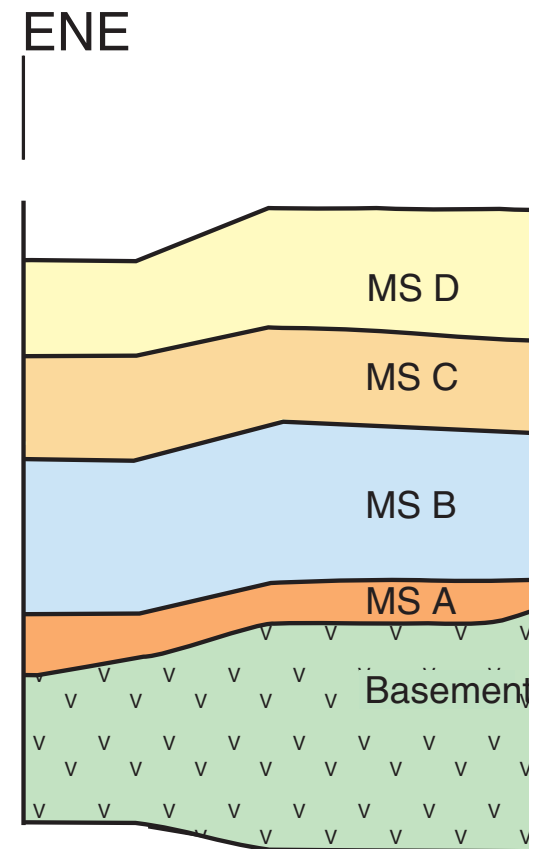
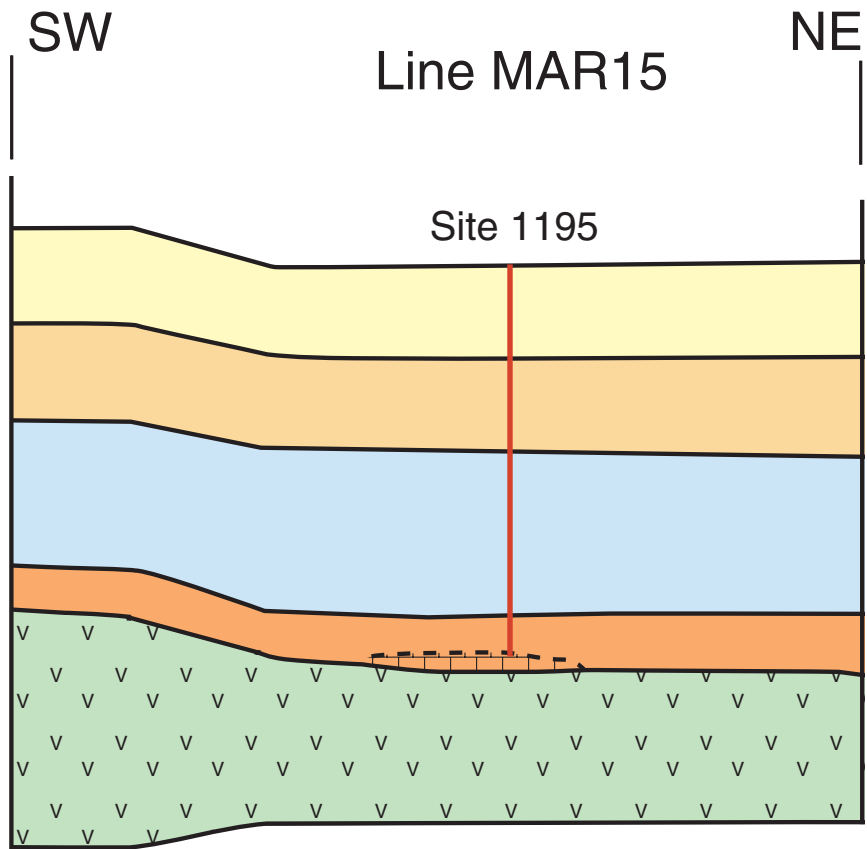
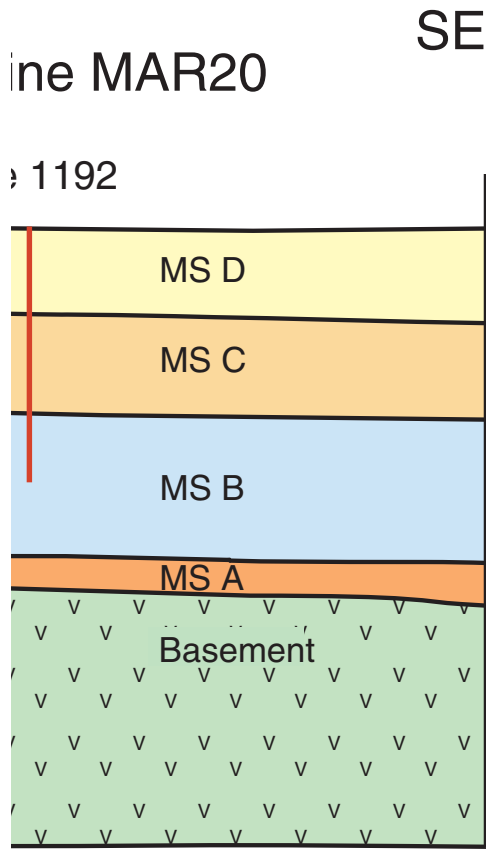


A	B	C	D	E	F	G	H	
Depth Values in mbsf. Each tick is 20 mbsf.	Recovery Hole name Recovery Gap	Epoch e.g.: middle Miocene / late Miocene	Lithostratigraphic unit Unit/Subunit name Age in Ma, determined using shipboard age model	Lithology Limestone, Dolomite, Limestone with clay, Sandy limestone, Claystone, Phosphatic sand, Dolomitized limestone, Basement	Lithostratigraphic column Minerals: Quartz (Q), Glauconite (GI), Pyrite (Pyr), Dolomite rhombs (DR), Structures: Fine neritic debris (FND), Coarse neritic debris (CND). Surfaces: Hardground/exposure surface, Inferred hardground/exposure surface, Firmground. Lithostratigraphic column symbols: Firm nodules, early cementation (Co), Lithoclast, Organic matter (OM), Glauconite-rich layer, Scoured surface, Scoured surface with graded bedding on top: turbidites (?), Shark teeth, Wood fragments, Larger benthic foraminifers, Red algae, Hermatypic corals, Benthic foraminifer-dominated facies, Bryozoa-dominated facies, Lamination partially crossed by burrows, Evidence for slumping, Down/upcore extension of sedimentary features, Highly bioturbated interval, Chondrites burrows.	Mineralogy (wt%) Aragonite content, Dolomite content, Calcite content, Noncarbonate content	Natural gamma ray (cps) Gamma ray data from downhole logging (HSGR), Gamma ray data from core measurements (MST)	Seismic unit Age of seismic boundary, determined using shipboard age model, Megasequence (MS A, B, C, D), Basement (volcaniclastic), Carbonate platform (i.e., in situ production of neritic carbonates in respective megasequences).

ODP Proceedings, Initial Reports, Volume 194, Chapter 1, Figure F10B. Stratigraphic correlation summary for Leg 194. The upper part of the figure shows a geological transect (sketch) representing all sites of Leg 194, from the Northern Marion Platform to the Southern Marion Platform and its talus. In the middle portion of the figure, seven data panels are presented for each site. In the bottom portion of the figure, an explanation is provided describing the data and symbols used. Data sets include depth downhole in mbsf, core number, core recovery, lithostratigraphic units with age derived from biostratigraphy and magnetostratigraphy, a graphic display of the lithologies, mineralogy based upon XRD analysis, natural gamma ray profiles from downhole logging and core-based physical properties measurements, and the megasequences defined from seismic reflection data. MS = megasequence, wd = water depth.

B





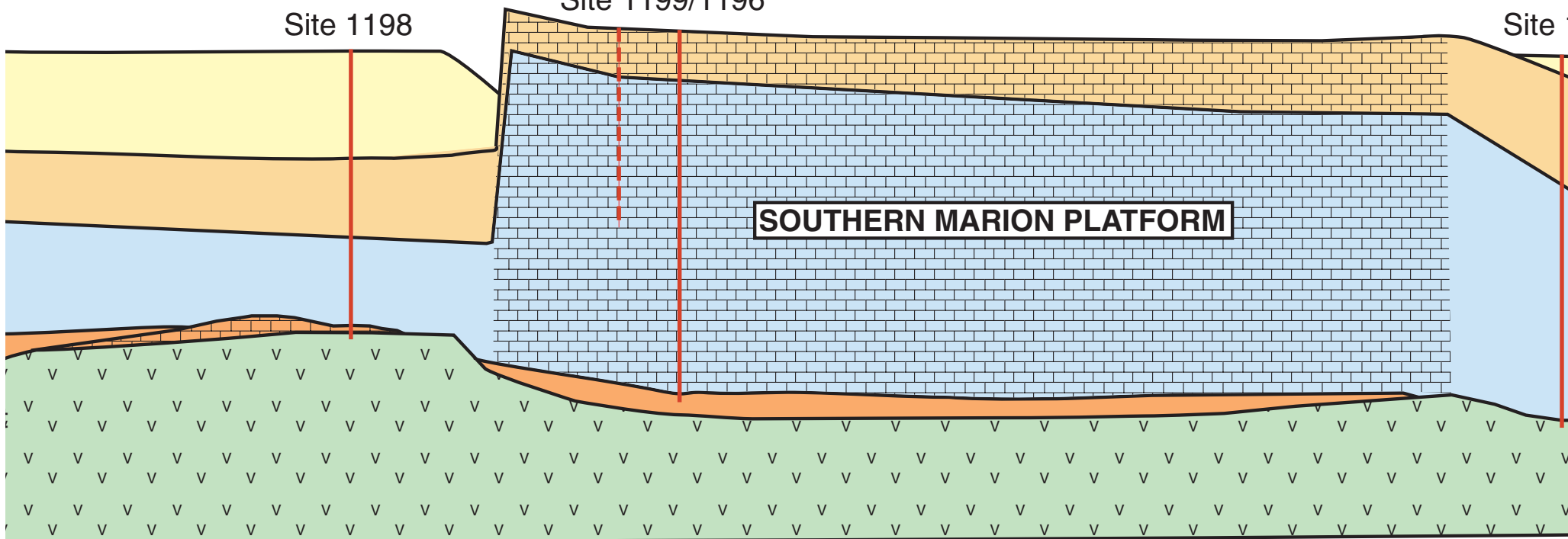
Line MAR07

Site 1198

Site 1199/1196

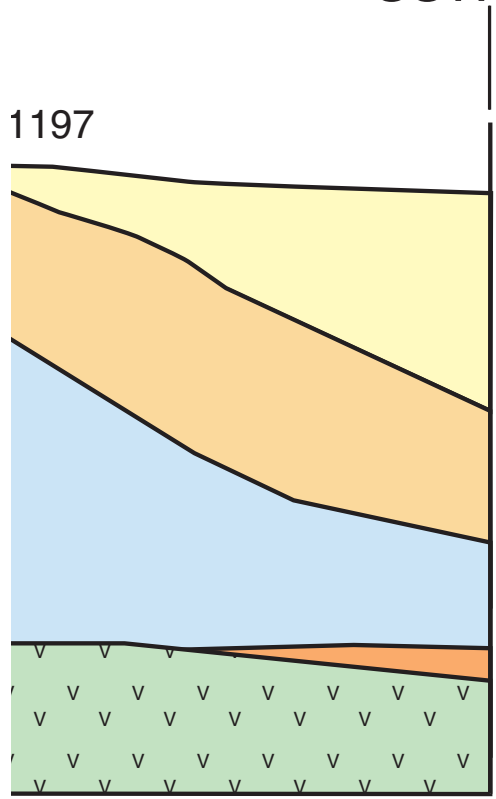
Site

SOUTHERN MARION PLATFORM



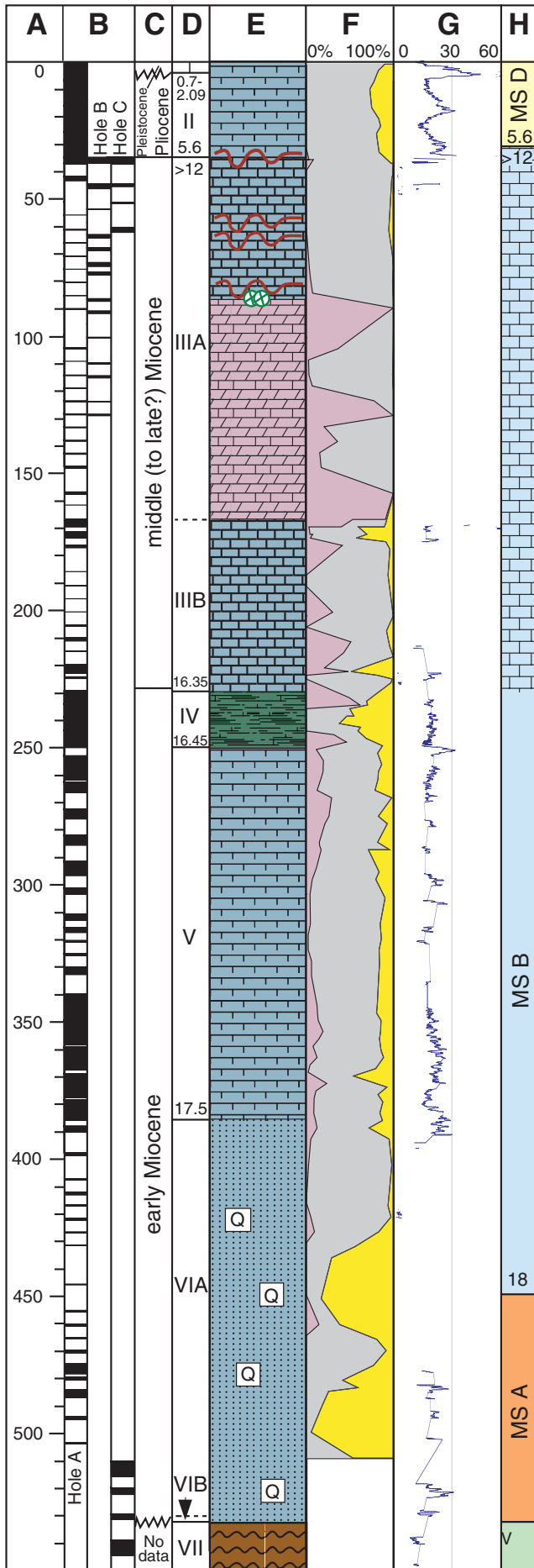
SSW

1197



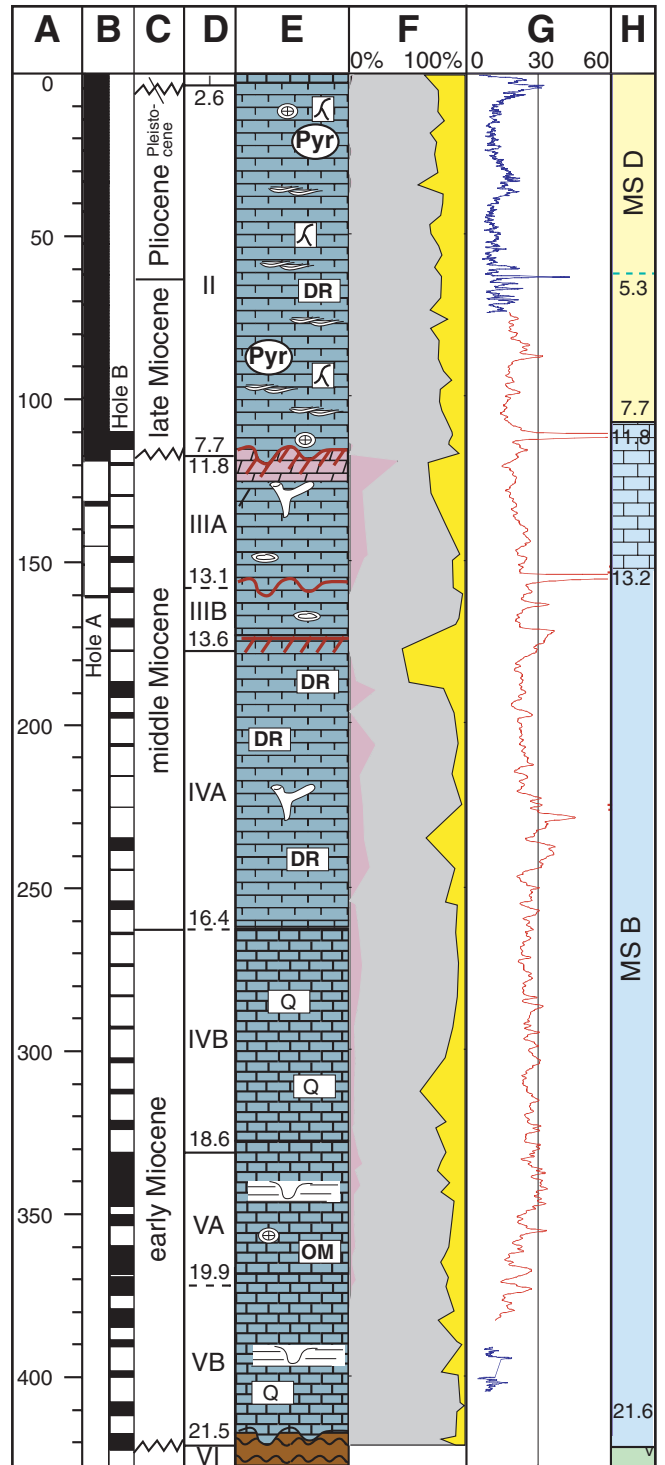
Site 1193

(348.3 m wd)



Site 1194

(373.9 m wd)

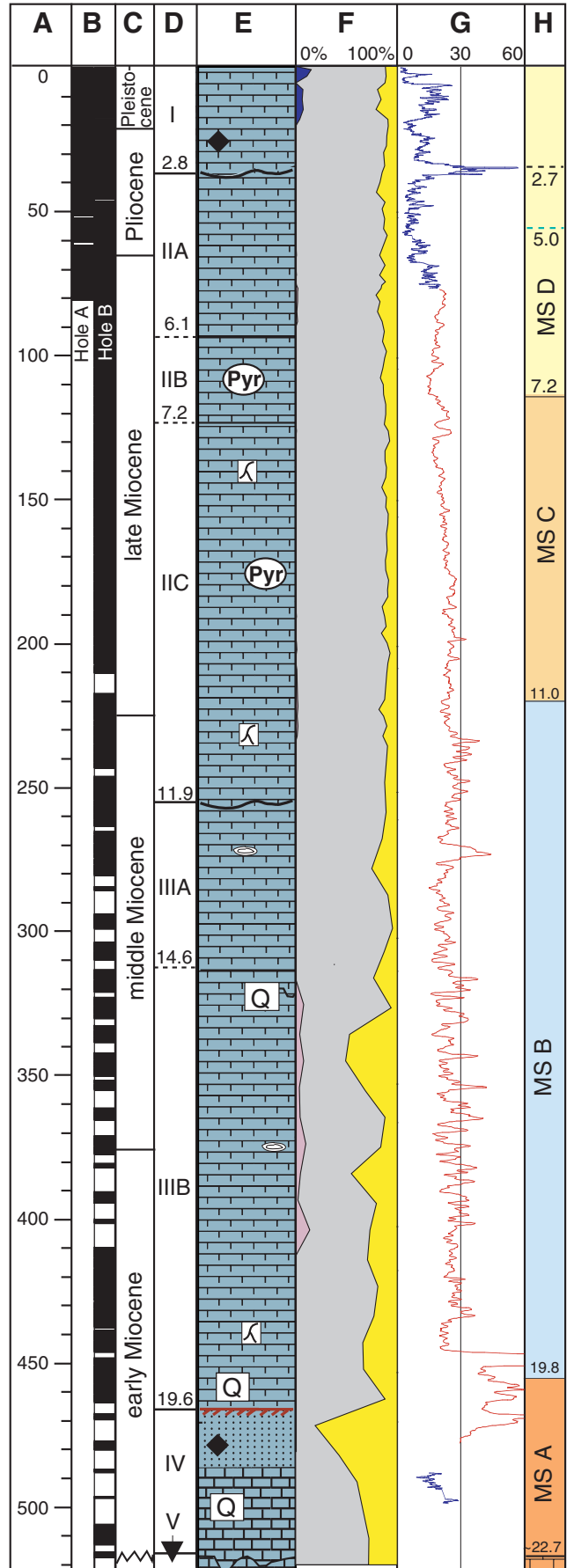
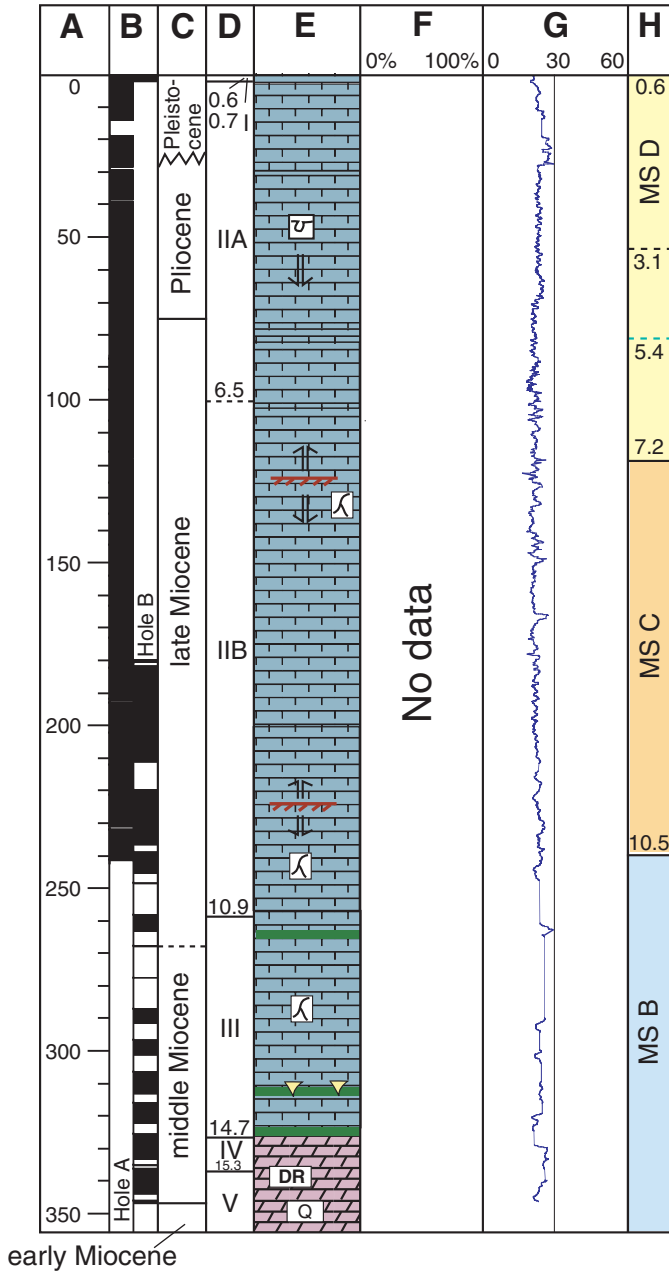


Site 1192

(375.5 m wd)

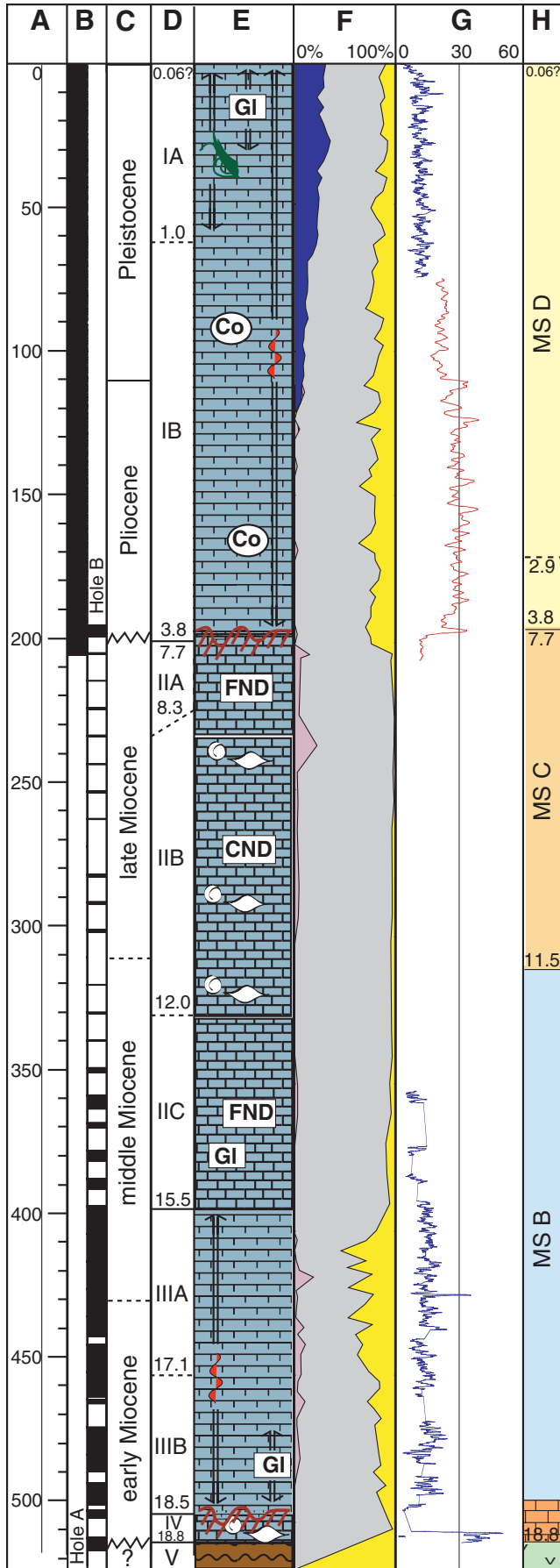
Site 1195

(419.5 m wd)



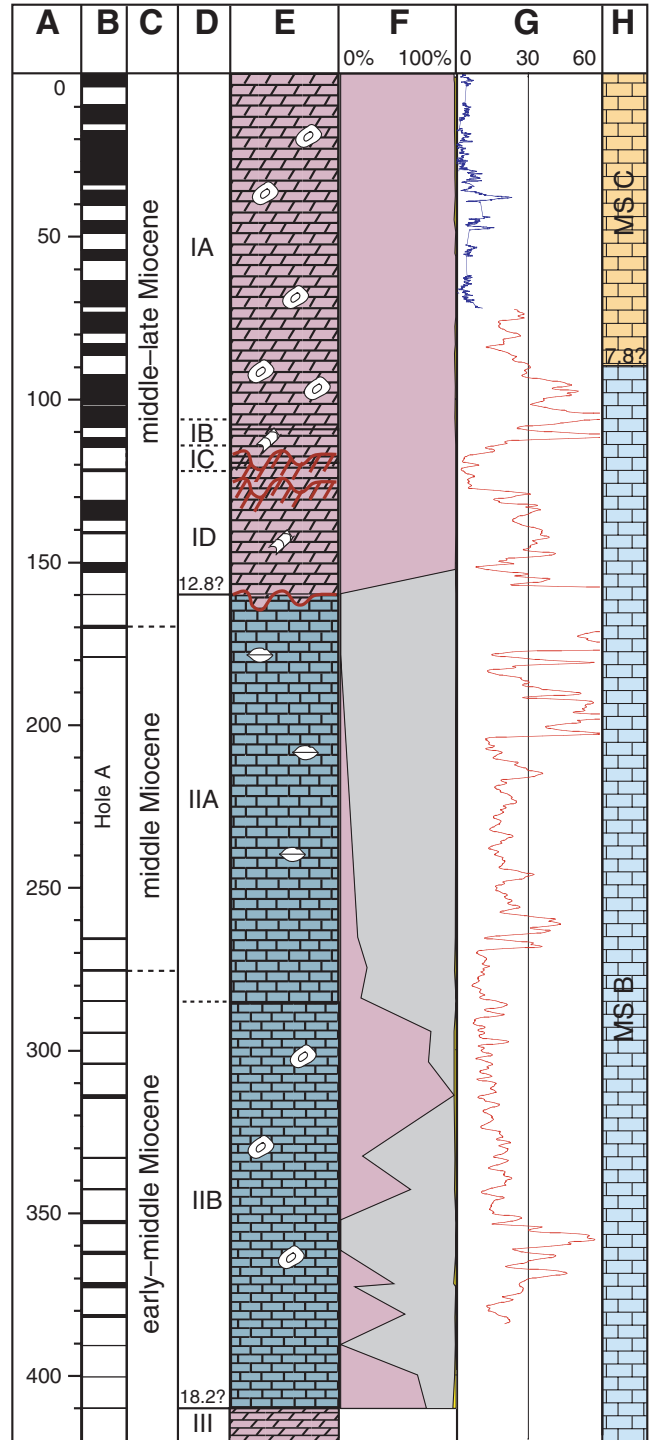
Site 1198

(319.4 m wd)



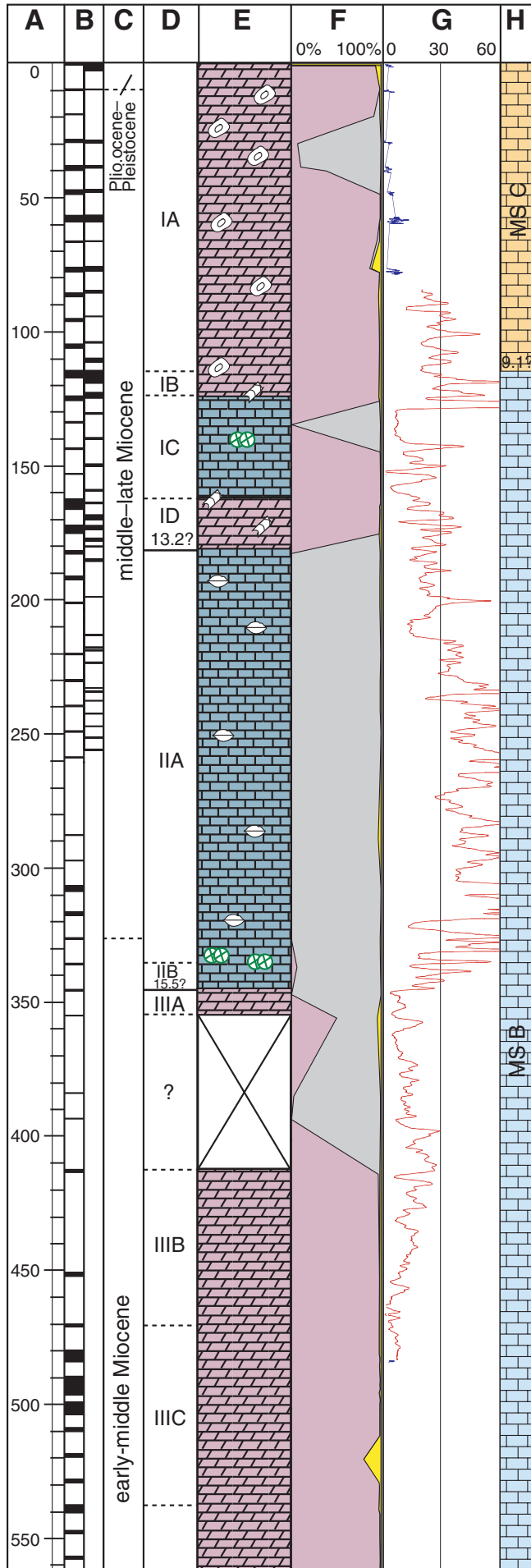
Site 1199

(315.7 m wd/projected)



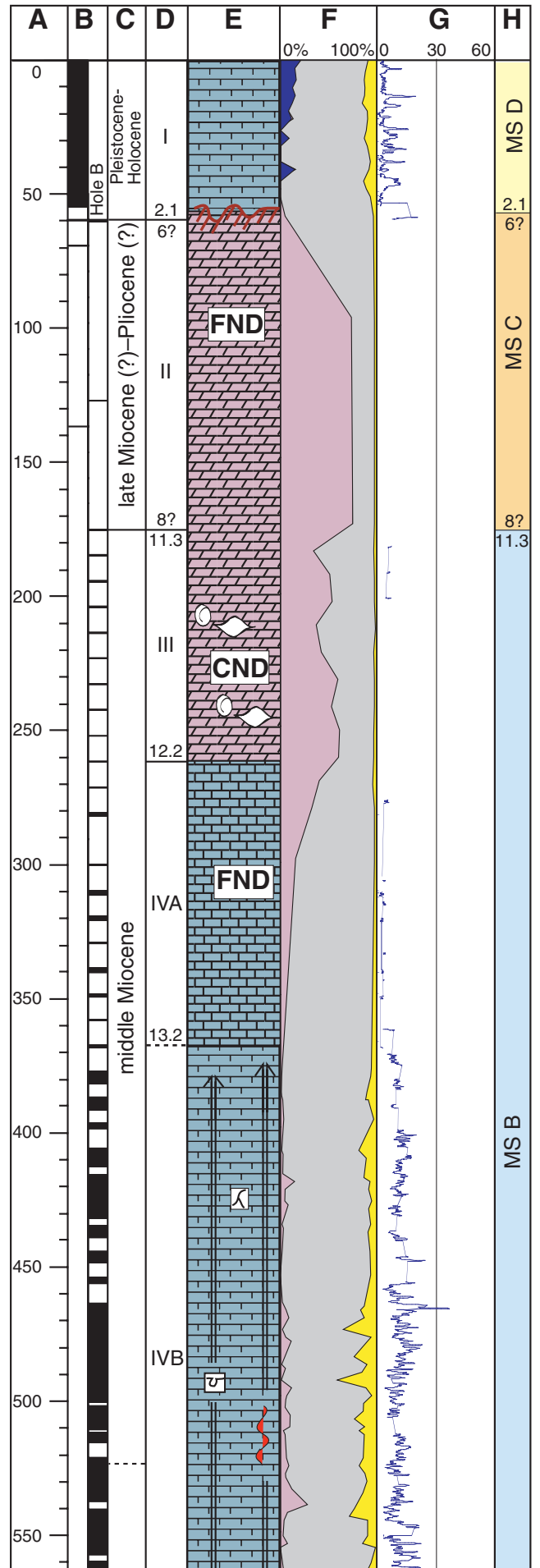
Site 1196

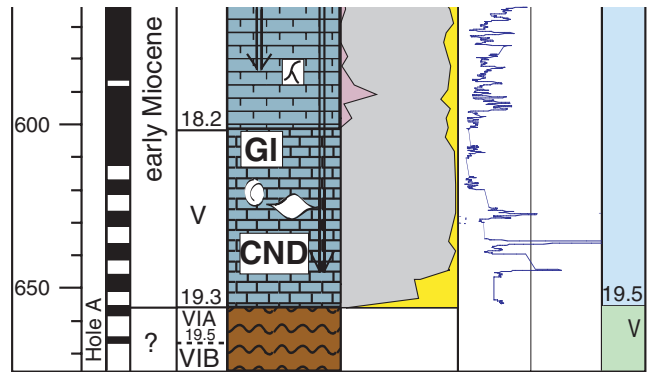
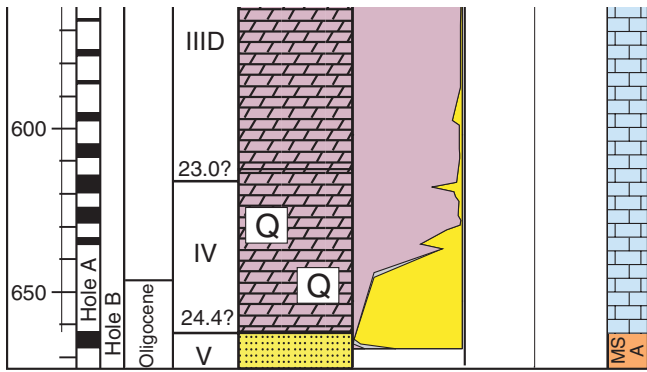
(304.2 m wd)

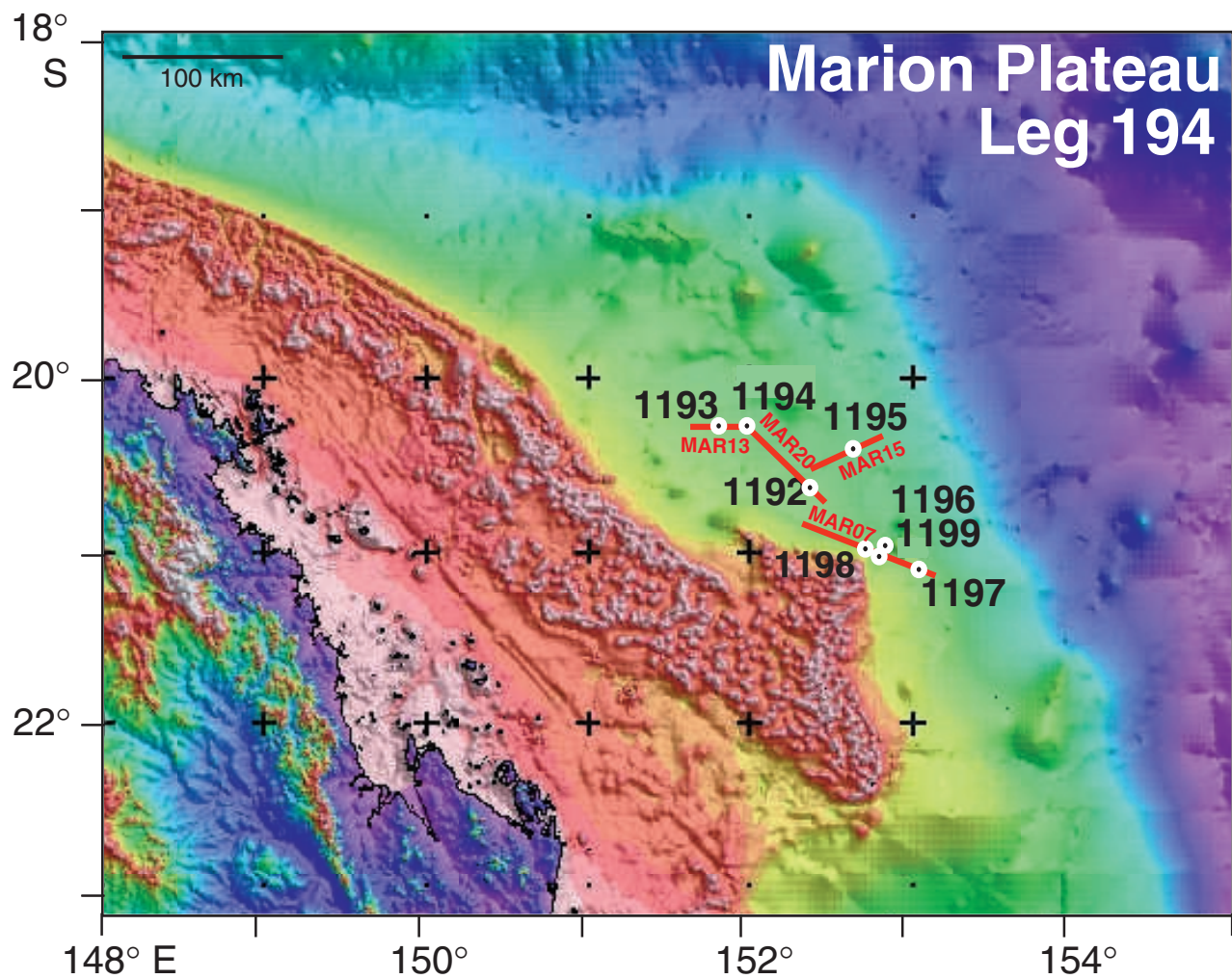



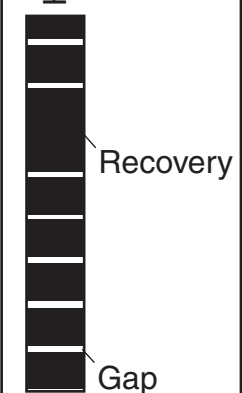
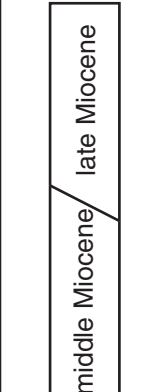

Site 1197

(348.3 m wd)







A	B	C	
<p>Depth Values in mbsf. Each tick is 20 mbsf</p> 	<p>Recovery Hole name</p> 	<p>Epoch e.g. :</p> 	<p>Lithostratigraphy</p> 

D**E****Lithostratigraphic unit****Lithology**

Limestone



Dolostone



Limestone with clay



Sandy limestone



Claystone



Phosphatic sand



Dolomitized limestone



Basement

Minerals

Quartz



Glauconite



Pyrite



Dolomite rhombs

Structures

Fine neritic debris



Coarse neritic debris

Firm nodules,
early cementation

Lithoclast



Organic matter



Glauconite-rich layer

SurfacesHardground/
exposure surfaceInferred hardground/
exposure surface

Firmground



Scoured surface

Scoured surface with
bedding on top: turbidite**Fossils**

Rhodoliths



Mollusks

Benthic foraminifer-
dominated faciesBryozoan-dominated
facies

Lithostratigraphic unit/Subunit name

Age in Ma, determined from shipboard model

			F	G	H
<p>Highly graded chondrites (?)</p> <p>Shark teeth</p> <p>Wood fragments</p> <p>Larger benthic foraminifers</p> <p>Red algae</p> <p>Hermatypic corals</p> <p>Ichnofossils</p> <p>Highly bioturbated interval</p> <p><i>Chondrites</i> burrows</p>	<p>Lamination partially crossed by burrows</p> <p>Miscellaneous</p> <p>Cyclic alternation in color</p> <p>Evidence for slumping</p> <p>Down-/upcore extension of sedimentary features</p>	<p>Mineralogy (wt%)</p> <p>Aragonite content</p> <p>Dolomite content</p> <p>Calcite content</p> <p>Noncarbonate content</p>	<p>Natural gamma ray (cps)</p> <p>Gamma ray data from downhole logging (HSGR)</p> <p>Gamma ray data from core measure- ments (MST)</p>	<p>Seismic</p> <p>MS B</p> <p>10.6</p> <p>MS A</p> <p>Age of seismic using shipboard</p> <p>Megasequence</p>	
				<p>MS A</p> <p>Megasequence A</p> <p>MS C</p> <p>MS B</p> <p>Megasequence B</p> <p>MS D</p> <p>v</p> <p>Basement (volcaniclas</p> <p>Carbonate platform (i.e., in situ production of neritic carbonates in respective megasequences).</p>	

unit

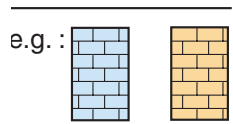
boundary, determined
by age model

,

Megasequence C

Megasequence D

stic)



in MS B in MS C