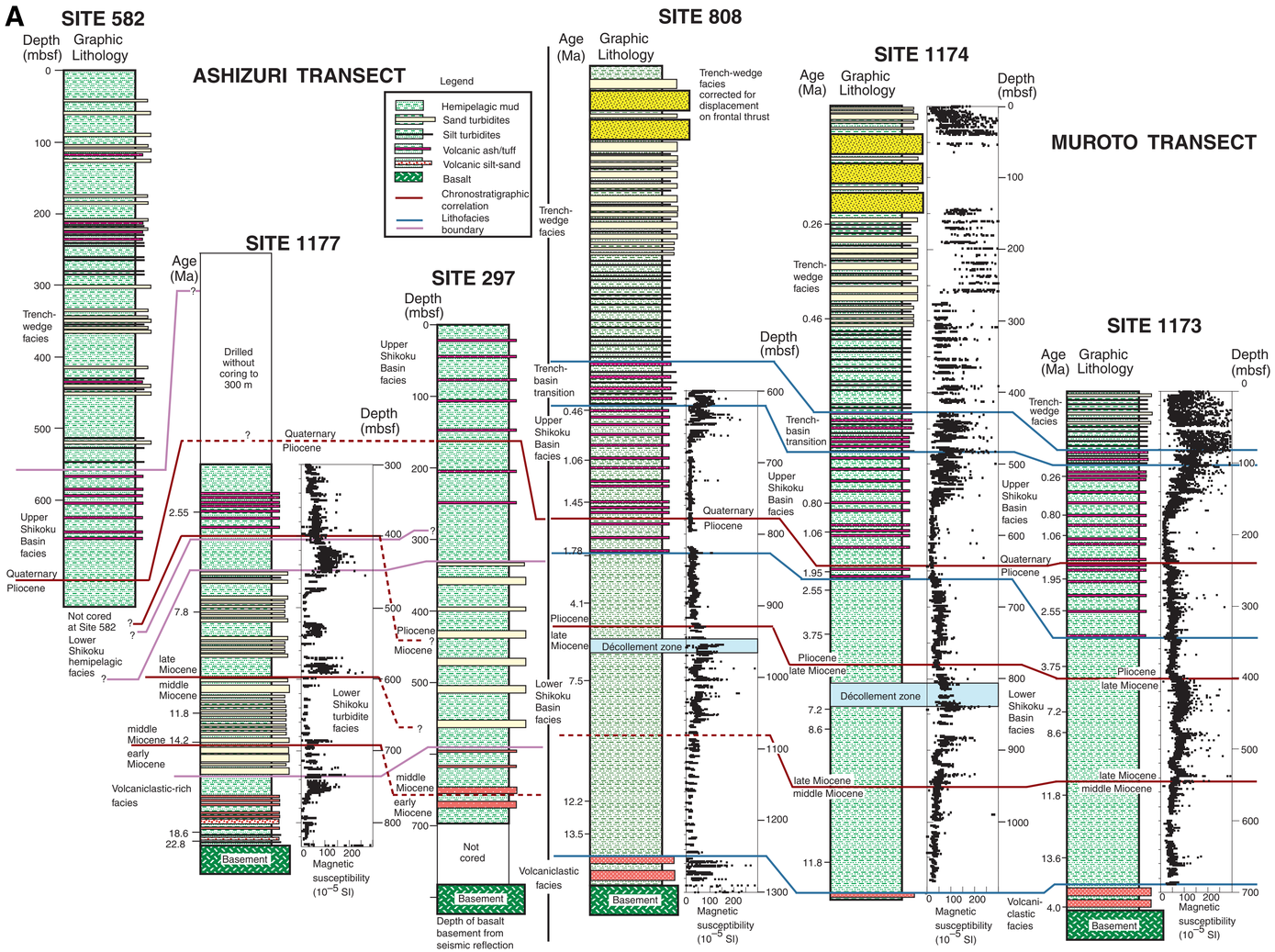
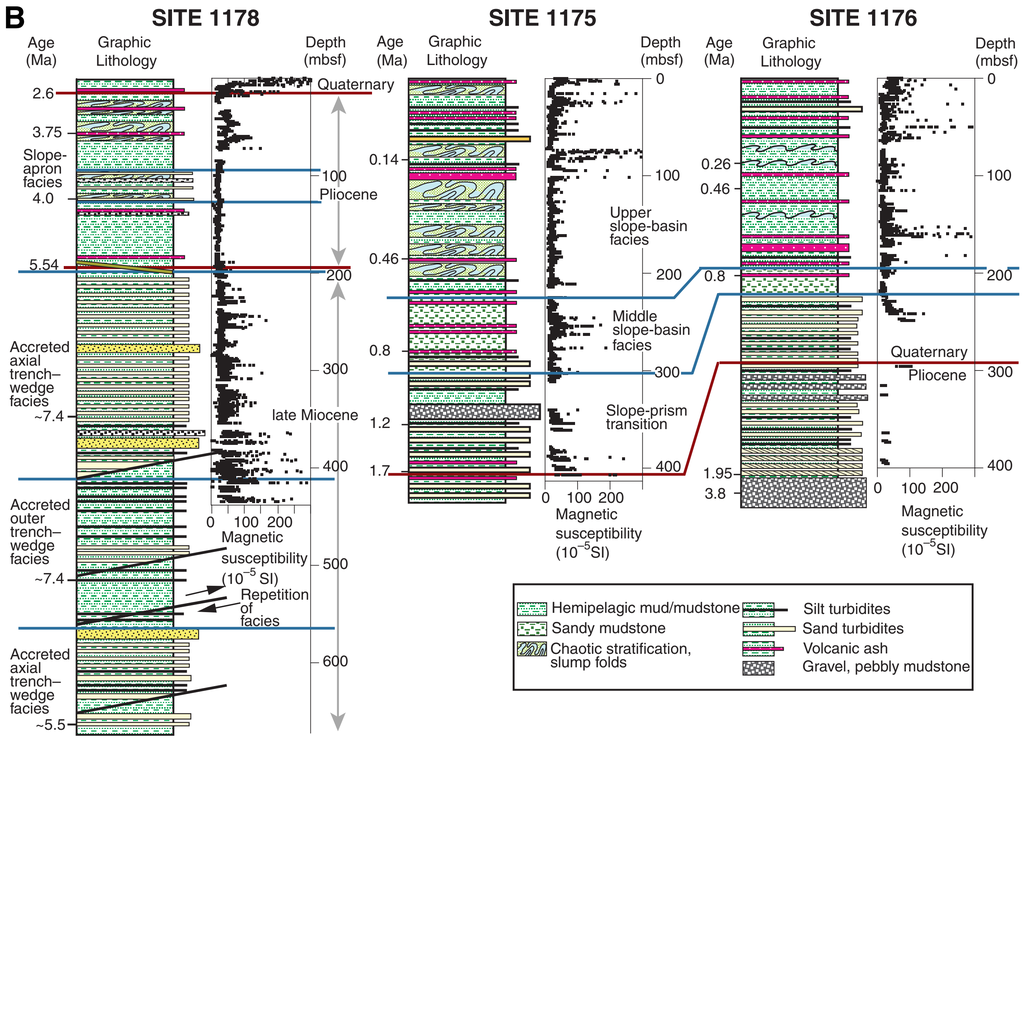
Chapter 1, Figure F8. A. Correlation of facies units, magnetic susceptibility, and major time boundaries within stratigraphic successions of the reference and prism toe sites at the Muroto and Ashizuri Transects at Nankai margin. Time boundaries are in red (solid line). Facies boundaries are in blue (Muroto Transect) and purple (Ashizuri Transect) (patterned lines). Data for DSDP Site 297 are from Shipboard Scientific Party (1975). Data for DSDP Site 582 are from Shipboard Scientific Party (1986). Data for ODP Site 808 are from Shipboard Scientific Party (1991). Note that the effects of facies imbrication along the frontal thrust of Site 808 have been removed and that the position of the Pliocene/Miocene boundary has been shifted in response to reinterpretation of paleomagnetic data. **B.** Correlation of facies units, magnetic susceptibility, and major time boundaries within stratigraphic successions cored at upslope sites of the Muroto Transect, Nankai margin. Time boundaries are in red (solid line). Facies boundaries are in blue (patterned line).





ODP *Proceeding, Intial Reports*, Volume 190: Chapter 1, Figure F8.

Chapter 1, Figure F8. A. Correlation of facies units, magnetic susceptibility, and major time boundaries within stratigraphic successions of the reference and prism toe sites at the Muroto and Ashizuri Transects at Nankai margin. Time boundaries are in red (solid line). Facies boundaries are in blue (Muroto Transect) and purple (Ashizuri Transect) (patterned lines). Data for DSDP Site 297 are from Shipboard Scientific Party (1975). Data for DSDP Site 582 are from Shipboard Scientific Party (1986). Data for ODP Site 808 are from Shipboard Scientific Party (1991). Note that the effects of facies imbrication along the frontal thrust of Site 808 have been removed and that the position of the Pliocene/Miocene boundary has been shifted in response to reinterpretation of paleomagnetic data. **B.** Correlation of facies units, magnetic susceptibility, and major time boundaries within stratigraphic successions cored at upslope sites of the Muroto Transect, Nankai margin. Time boundaries are in red (solid line). Facies boundaries are in blue (patterned line).

ODP *Proceeding, Intial Reports*, Volume 190: Chapter 1, Figure F8.

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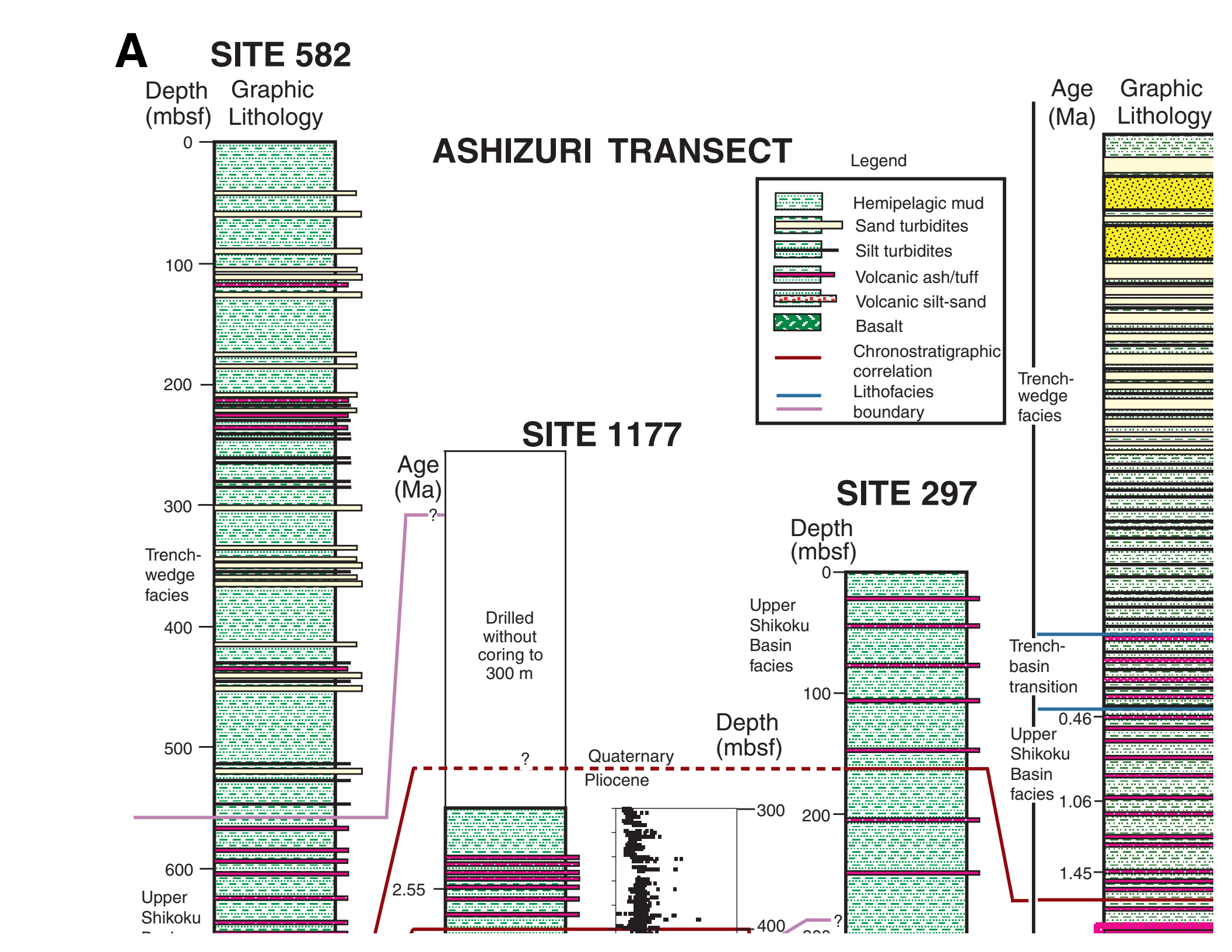
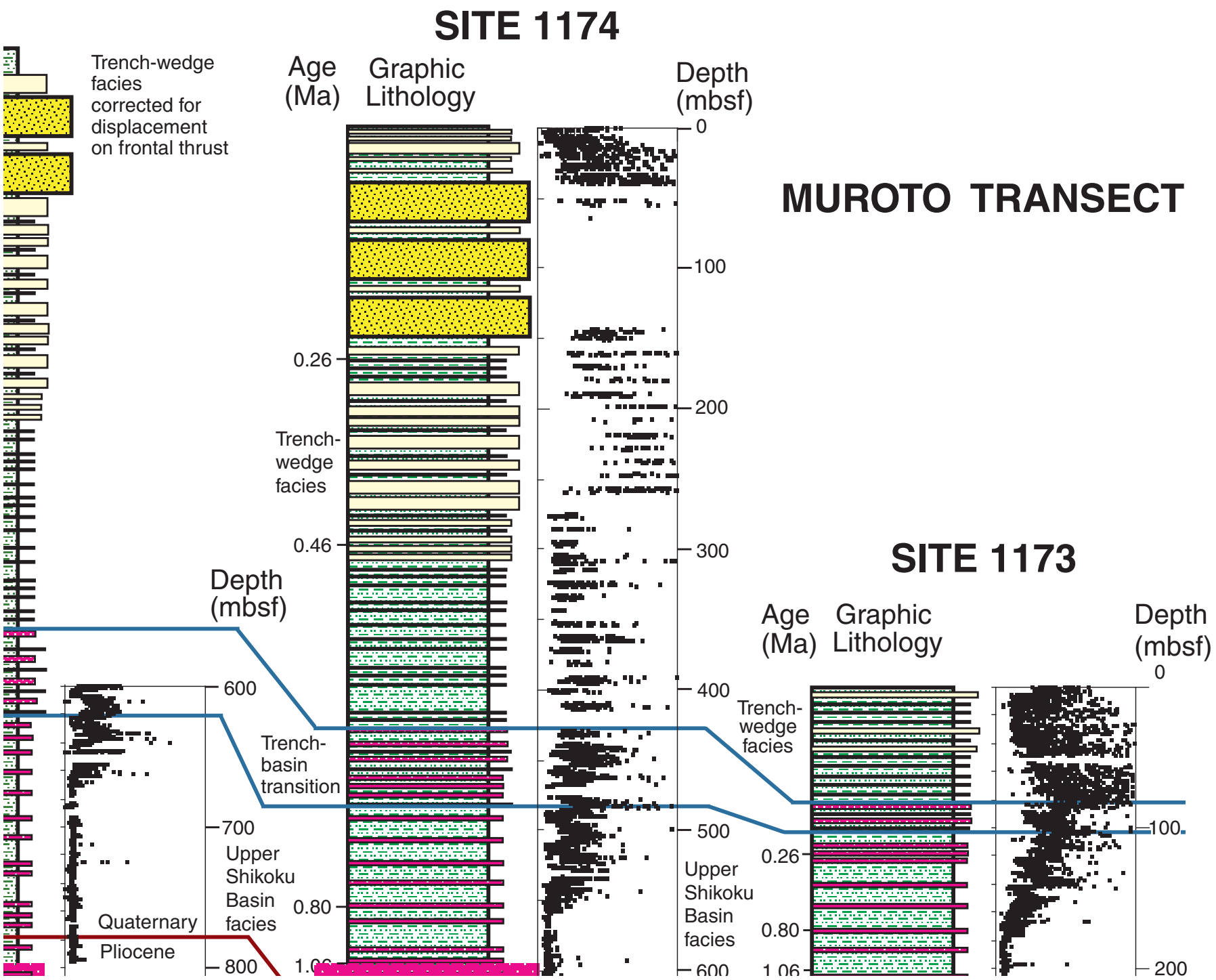
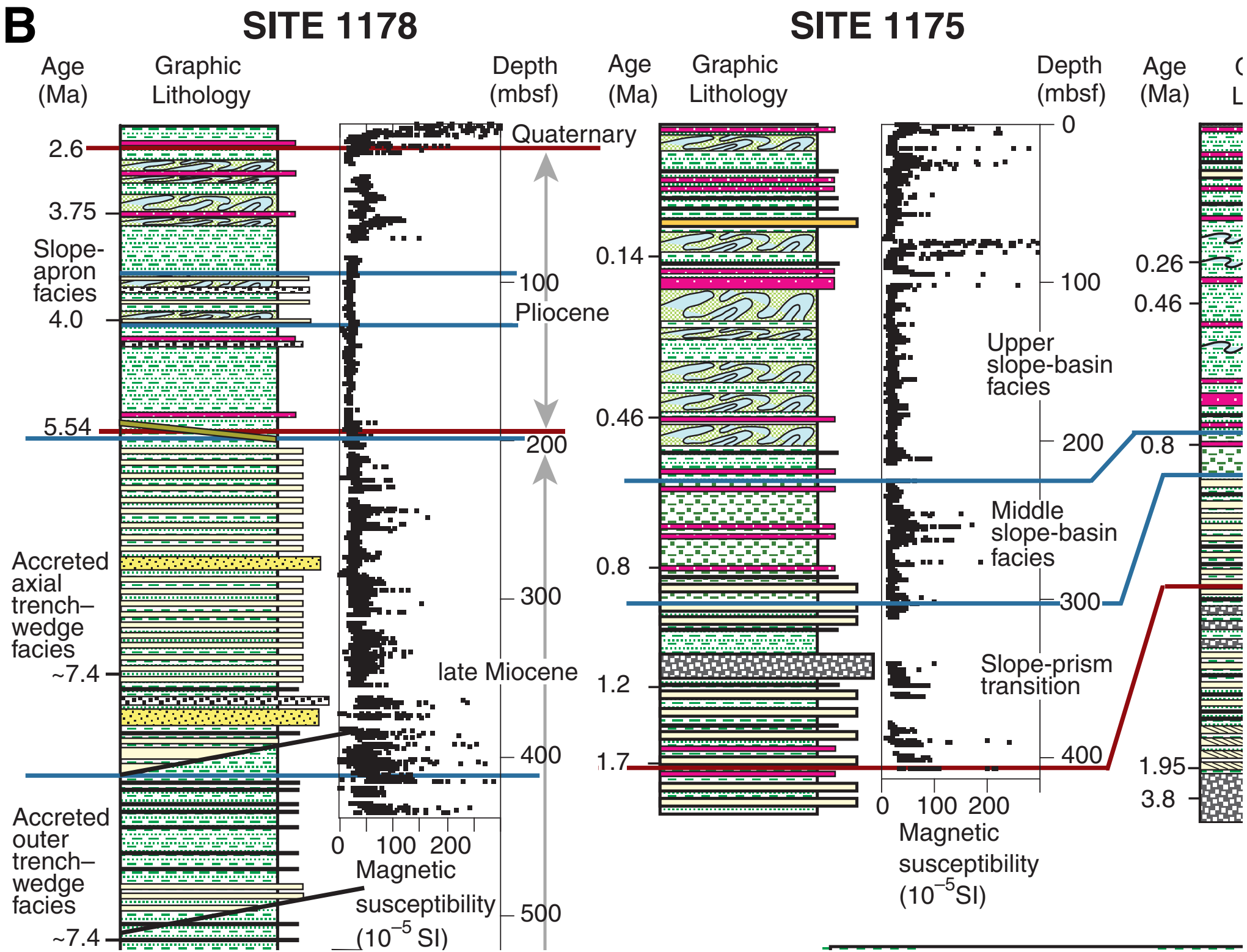
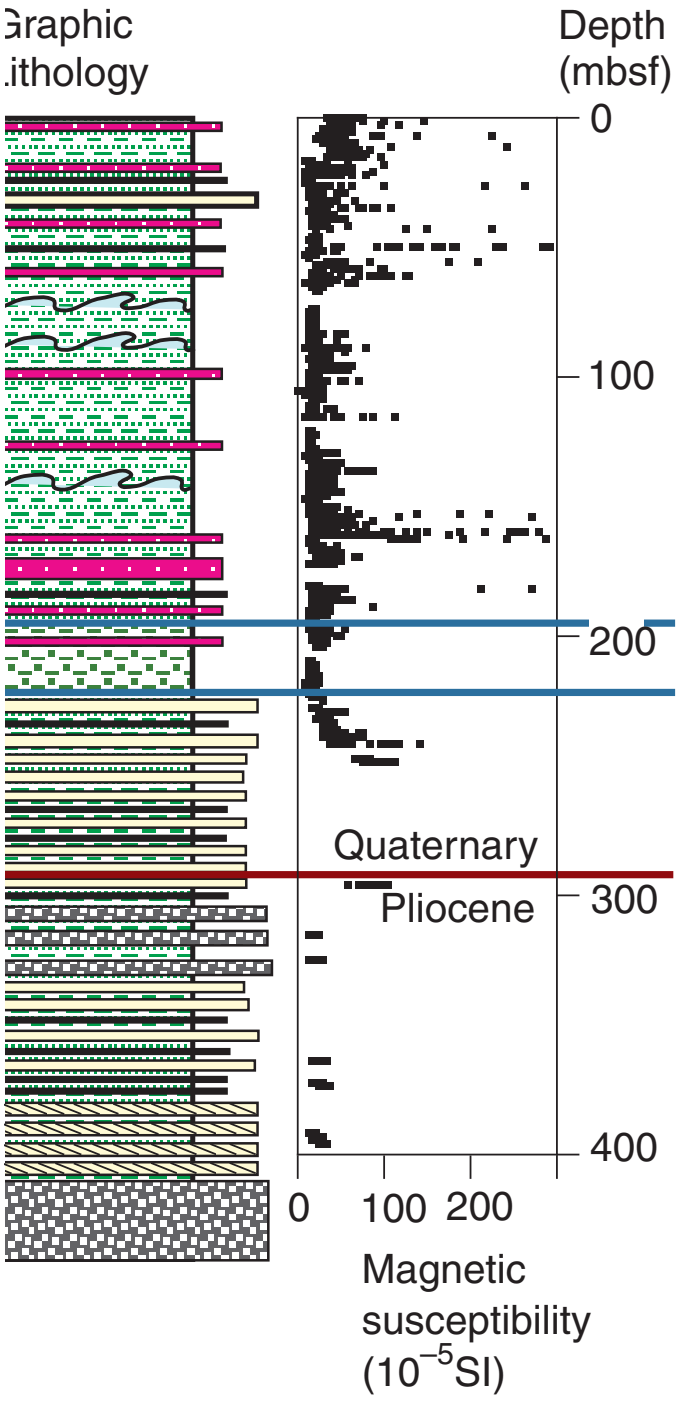
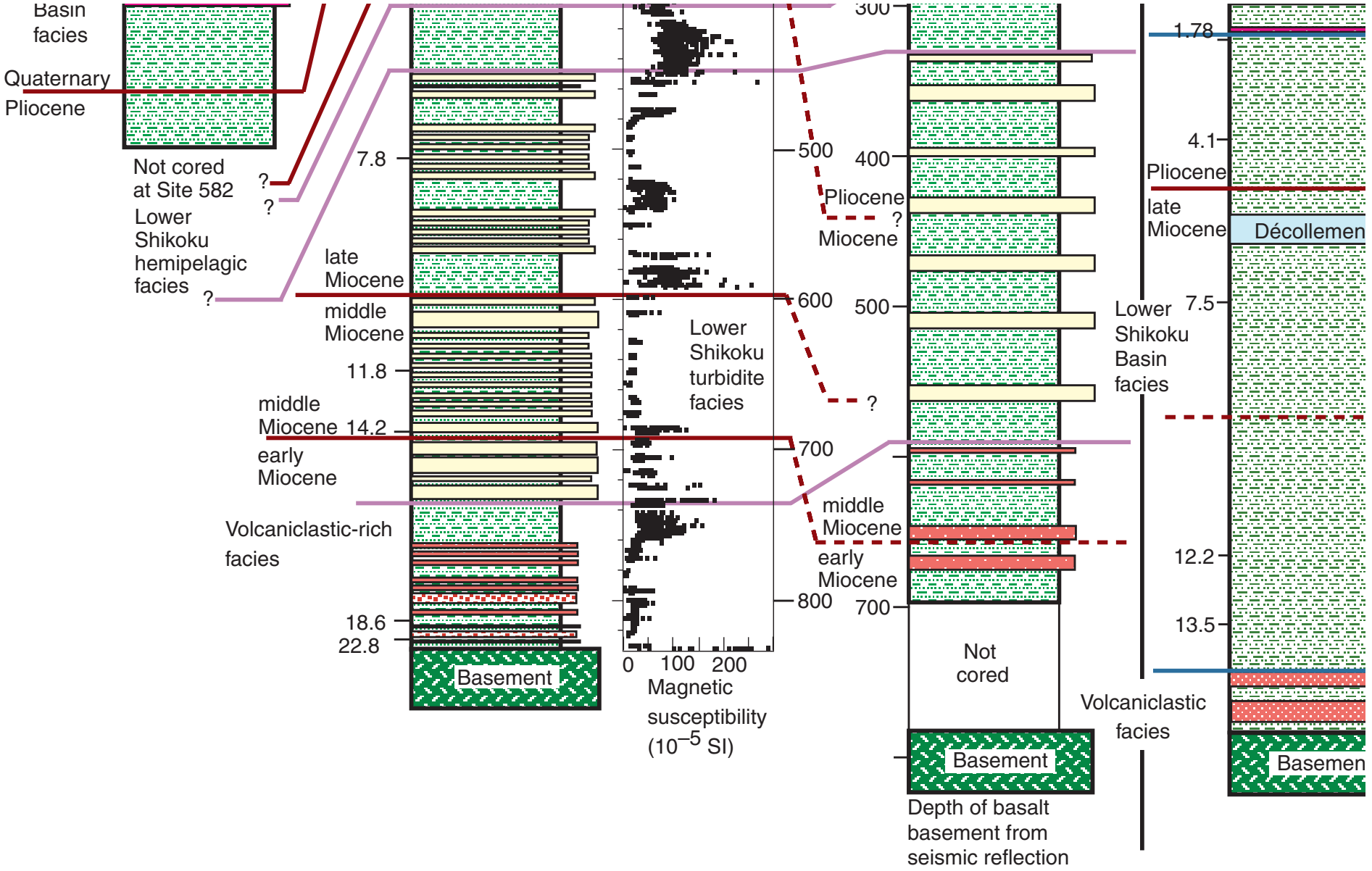

A
SITE 582
Depth (mbsf)
Graphic Lithology
0
100
200
300
400
500
600
Trench-wedge facies
Upper Shikoku Basin facies
ASHIZURI TRANSECT
Legend
Hemipelagic mud
Sand turbidites
Silt turbidites
Volcanic ash/tuff
Volcanic silt-sand
Basalt
Chronostratigraphic correlation
Lithofacies boundary
SITE 1177
Age (Ma)
?
Drilled without coring to 300 m
?
Quaternary
Pliocene
2.55
SITE 297
Depth (mbsf)
0
100
200
300
400
?
Upper Shikoku Basin facies
Depth (mbsf)
Age (Ma)
Graphic Lithology
Trench-wedge facies
Trench-basin transition
0.46
Upper Shikoku Basin facies
1.06
1.45

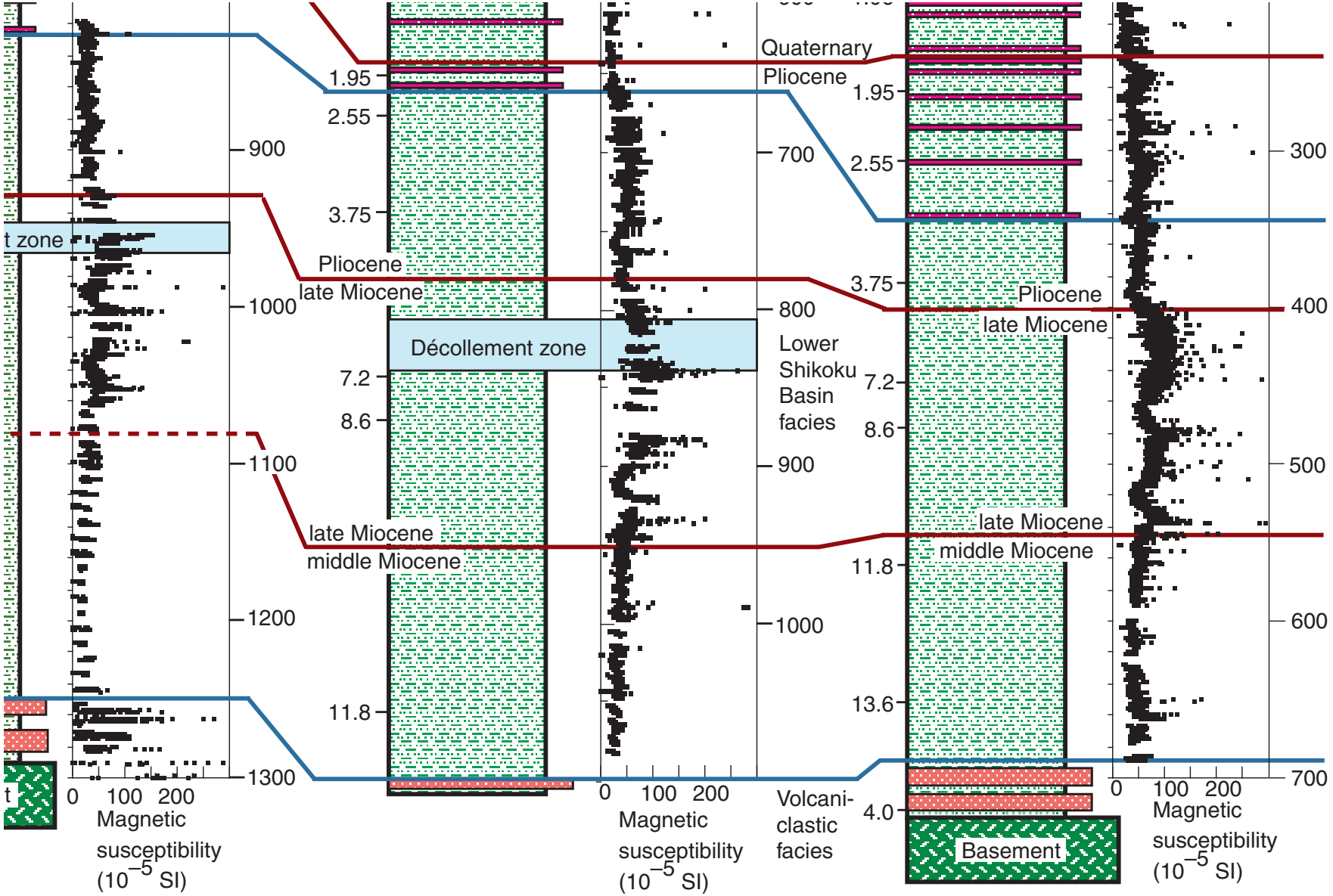

SITE 808
SITE 1174
Trench-wedge facies corrected for displacement on frontal thrust
Age (Ma)
Graphic Lithology
Depth (mbsf)
0
100
200
300
400
500
600
700
800
0.26
0.46
0.80
1.06
Trench-wedge facies
Trench-basin transition
Upper Shikoku Basin facies
Quaternary
Pliocene
MUROTO TRANSECT
SITE 1173
Age (Ma)
Graphic Lithology
Depth (mbsf)
0
100
200
0.26
0.80
1.06
Trench-wedge facies
Upper Shikoku Basin facies

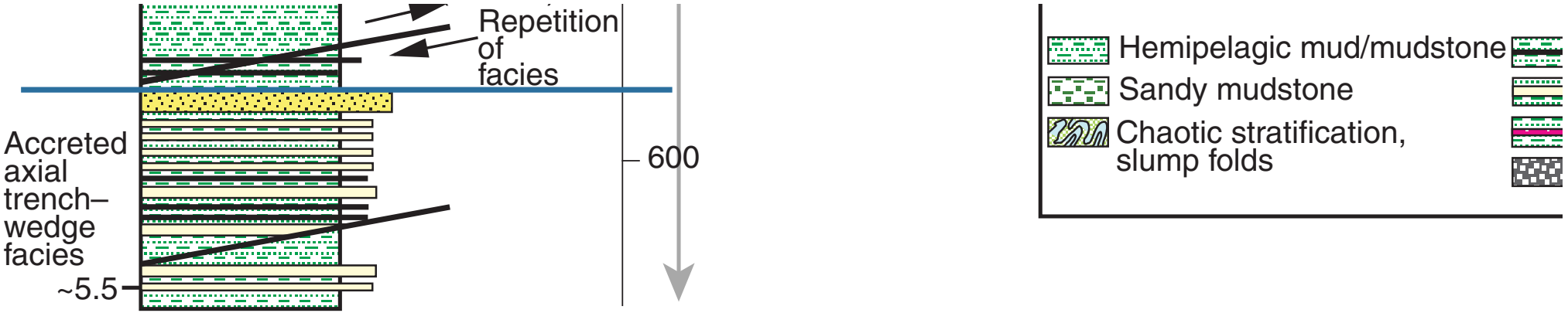

B
SITE 1178
SITE 1175
Age (Ma)
Graphic Lithology
Depth (mbsf)
Quaternary
Pliocene
late Miocene
2.6
3.75
Slope-apron facies
4.0
5.54
Accreted axial trench–wedge facies
~7.4
Accreted outer trench–wedge facies
~7.4
100
200
300
400
500
0 100 200
Magnetic susceptibility (10^{-5} SI)
0.14
0.46
0.8
1.2
1.7
Upper slope-basin facies
Middle slope-basin facies
Slope-prism transition
0
0 100 200
Magnetic susceptibility (10^{-5}SI)
0.26
0.46
0.8
1.95
3.8

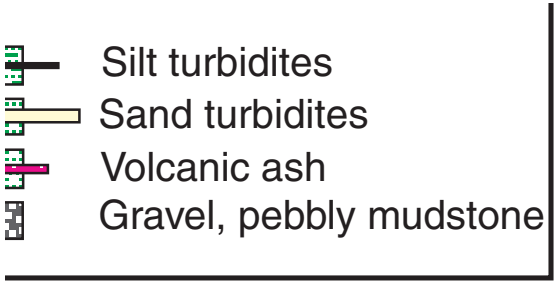
SITE 1176


Graphic
Lithology
Depth
(mbsf)
0
100
200
300
400
Quaternary
Pliocene
0
100
200
Magnetic
susceptibility
(10^{-5}SI)


Basin facies
Quaternary
Pliocene
Not cored at Site 582
Lower Shikoku hemipelagic facies
?
?
?
7.8
late Miocene
middle Miocene
11.8
middle Miocene
14.2
early Miocene
Volcaniclastic-rich facies
18.6
22.8
Basement
Lower Shikoku turbidite facies
0
100
200
Magnetic susceptibility (10^{-5} SI)
300
400
500
600
700
800
Pliocene
?
Miocene
?
middle Miocene
early Miocene
700
Not cored
Basement
Depth of basalt basement from seismic reflection
1.78
4.1
Pliocene
late Miocene
Décollemen
7.5
Lower Shikoku Basin facies
12.2
13.5
Volcaniclastic facies
Basemen


t zone
900
1000
1100
1200
1300
0 100 200
Magnetic susceptibility (10^{-5} SI)
1.95
2.55
3.75
Pliocene
late Miocene
Décollement zone
7.2
8.6
late Miocene
middle Miocene
11.8
0 100 200
Magnetic susceptibility (10^{-5} SI)
Quaternary
Pliocene
700
800
Lower Shikoku Basin facies
900
1000
Volcani-clastic facies
1.95
2.55
3.75
Pliocene
late Miocene
7.2
8.6
late Miocene
middle Miocene
11.8
13.6
4.0
Basement
300
400
500
600
700
0 100 200
Magnetic susceptibility (10^{-5} SI)


Repetition of facies
Accreted axial trench–wedge facies
~5.5
600
Hemipelagic mud/mudstone
Sandy mudstone
Chaotic stratification, slump folds


Silt turbidites
Sand turbidites
Volcanic ash
Gravel, pebbly mudstone