

INDEX TO VOLUME 174A

This index covers both the *Initial Reports* and *Scientific Results* portions of Volume 174A of the *Proceedings of the Ocean Drilling Program*. References to page numbers in the *Initial Reports* are preceded by "A" followed by a colon (A:) and to those in the *Scientific Results* (this volume) by "B" followed by the chapter number with a colon (B1:).

The index was prepared by Earth Systems, under subcontract to the Ocean Drilling Program. The index contains two hierarchies of entries: (1) a main entry, defined as a keyword or concept followed by a reference to the page on which that word or concept appears, and (2) a subentry, defined as an elaboration on the main entry followed by a page reference.

The index covers volume text, figures, and tables but not core-description forms ("barrel sheets"), core photographs, smear slide data, or thin section descriptions. Also excluded from the index are bibliographic references, names of individuals, and routine front matter.

The Subject Index follows a standard format. Geographical, geologic, and other terms are referenced only if they are subjects of discussion. A site chapter in the *Initial Reports* is considered the principal reference for that site and is indicated on the first line of the site's listing in the index. Such a reference to Site 1071, for example, is given as "Site 1071, A:37-97."

The Taxonomic Index is an index relating to significant findings and/or substantive discussions, not of species names *per se*. This index covers three varieties of information: (1) individual genera and species that have been erected or emended formally, (2) biostratigraphic zones, and (3) fossils depicted in illustrations. A taxonomic entry consisting of both genus and species is listed alphabetically by genus and also by species. Biostratigraphic zones are listed alphabetically by genus; zones with letter prefixes are listed under "zones."

SUBJECT INDEX

A

- age
 - biostratigraphic age control, A:64-65, 119-120, 168
 - fossil assemblages, A:61
 - See also chronostratigraphy
- age vs. depth
 - Site 1071, A:62
 - Site 1072, A:119
 - Site 1073, A:165
- albite, scanning electron microscopy images, B7:47, 52
- alkalinity
 - diagenesis, A:73-74
 - inorganic carbon, B1:6
 - pore water, A:72, 122-123, 170-171
 - vs. depth, A:75, 126, 173
- ammonium
 - diagenesis, A:73-74
 - pore water, A:72-73, 122-123, 170-171
 - vs. depth, A:75, 126, 173
- amphibole
 - heavy minerals, B(synopsis):10; B6:2-4
 - lithologic units, A:113-115, 162-163
 - peak intensity vs. depth, A:59, 116, 163
- andalusite, heavy minerals, B6:6, 9-11
- ankerite, lithologic units, A:54-55

- apatite
 - heavy minerals, B6:6, 9-11
 - scanning electron microscopy images, B7:56
- aquifers, overpressure, A:74
- arenite, glauconitic quartz, lithologic units, A:111
- Asterosoma(?)*, lithologic units, A:111
- authigenesis, geochemistry, B(synopsis):9

B

- bathymetry, Site 1073, B7:11
- biofacies
 - biostratigraphy, B(synopsis):5-7
 - Pleistocene, B(synopsis):9-10
- biostratigraphy
 - biofacies, B(synopsis):5-7
 - calcareous nannofossils, B5:1-16
 - Site 1071, A:58-65
 - Site 1072, A:115-120
 - Site 1073, A:163-168
- biotite
 - lithologic units, A:113-115
 - scanning electron microscopy images, B7:47
- bioturbation
 - biofacies, B(synopsis):7
 - lithologic units, A:45, 54-57, 104-113, 157-159

- sediments, B3:4–6, 9
 Boehm lamellae, lithologic units, A:55
 breakpoint, buried, middle Miocene, A:8
 Brunhes Chron
 magnetostratigraphy, A:65, 68, 120, 169–170
 sequence stratigraphy, B(synopsis):5
 Brunhes/Matuyama boundary
 magnetostratigraphy, A:68–69, 120, 169–170
 sequence stratigraphy, B(synopsis):5
 bulk density logs, vs. depth, A:89
 burrows
 biostratigraphy, B(synopsis):7
 lithologic units, A:104–113, 158–162
 photograph, A:113, 158, 162
 sediments, B3:4–6, 9
- C**
- calcareous microfossils
 lithologic units, A:163
 percentage vs. depth, A:60, 164
 calcite
 carbon isotopes, B(synopsis):9
 lithologic units, A:57–58, 113–115, 163
 peak intensity vs. depth, A:59, 116, 163
 scanning electron microscopy images, B7:59
 calcium
 pore water, A:122–123, 171
 vs. depth, A:75, 126, 173, 175
 See also magnesium/calcium ratio; strontium/calcium ratio
 caliper logs, vs. depth, A:89, 92, 137, 139–140, 186
 carbon, sediments, A:127, 175
 carbon, inorganic
 carbon isotopes, B1:1–7
 methane oxidation, B(synopsis):9
 sediments, A:127, 177
 vs. depth, A:76, 128, 178
 carbon, organic
 sediments, A:77, 127, 177
 vs. depth, A:76, 128, 178
 carbon, total, sediments, A:76, 127, 175, 177
 carbon dioxide, methanogenesis, B(synopsis):10
 carbon isotopes
 calcite, B(synopsis):9
 methane, B1:1–7
 pore water, B(synopsis):10
 vs. depth, B1:5
 carbon/nitrogen ratio, sediments, A:76, 175
 carbonate content
 percentage vs. depth, A:60, 116, 164
 sediments, A:127, 177
 carbonates
 authigenesis, B(synopsis):9
 lithologic units, A:113–115, 163
 precipitation, A:73–74
 See also nodules, carbonate
 carbonates, biogenic, dissolution, A:171
 Cenozoic
 calcareous nannofossils, B5:1–16
 sequence boundaries, A:95–96
- chalk, clay-rich nannofossil, lithologic units, A:161–162
 chalk, sandy nannofossil, lithologic units, A:161
 chemostratigraphy, oxygen isotopes, B(synopsis):7–8
 chert, lithologic units, A:111
 chloride
 pore water, A:72–73, 122–123, 171
 salinity minima, A:73
 vs. depth, A:75, 126, 173; B2:7
 chlorite
 lithologic units, A:113–115
 sediments, B(synopsis):8–9
 thorium/potassium ratio, A:150
Chondrites
 lithologic units, A:104, 111, 157, 159–162
 photograph, A:162
 sediments, B3:6, 9
 Chron C1r.1n, magnetostratigraphy, A:65, 68, 120
 Chron C1r.1r, magnetostratigraphy, A:65, 68
 Chron C1r.2r, magnetostratigraphy, A:120
 Chron C2n, magnetostratigraphy, A:120
 Chron C3An, magnetostratigraphy, A:68, 120
 Chron C3Bn, magnetostratigraphy, A:68, 120
 Chron C4n, magnetostratigraphy, A:68, 120
 chronostratigraphy
 Eocene/Pleistocene sequence boundary, A:182
 Miocene/Pleistocene sequence boundary, A:86–88, 134–135
 summary, A:134
 See also age
 chrons, magnetic polarity, A:123
 clasts, textures, B3:4, 9
 clasts, mud
 lithologic units, A:159–160
 photograph, A:112, 161
 clay
 grain size, B4:1–18
 lithologic units, A:43–50, 104–115, 157–160, 162–163
 percentage vs. depth, A:60, 116, 164
 photograph, A:54, 158
 clay, diatom-rich nannofossil, lithologic units, A:161–162
 clay, foraminifer-rich, lithologic units, A:160
 clay, glauconitic silty, lithologic units, A:160
 clay, micaceous silty, lithologic units, A:157–159
 clay, pebbly sandy, photograph, A:161
 clay, sandy, lithologic units, A:104–113, 157–159
 clay, silty
 lithologic units, A:43–50, 54–56, 104–113, 157–161
 photograph, A:55, 58, 158–159
 textures, B3:4, 9
 clay, silty nannofossil, lithologic units, A:160
 clay minerals
 peak intensity vs. depth, A:59, 116, 163
 sediments, B(synopsis):8–9
 See also chlorite; illite; kaolinite; mixed-layer clays; vermiculite
 clay vs. sand, vs. depth, B7:12
 clinofolds
 middle Miocene, A:8
 Miocene/Pliocene sequence boundary, A:86–88
 seismic profiles, A:135

seismic stratigraphy, A:11–12
 sequence stratigraphy, B(synopsis):2–5
 Cobb Mountain Subchron, magnetostratigraphy, A:120
 coercivity, demagnetization, A:69
 color bands, lithologic units, A:159
 compaction, sediments, B7:4–5
 compressional wave velocity
 sediments, A:80, 130–131, 177–178; B7:5, 26
 vs. depth, A:129
 vs. porosity, B7:16
 consolidation, sediments, B7:19
 continental margin, seismic stratigraphy, A:5–16
 continental shelf, outer
 Miocene/Pliocene sequence boundary, A:86–88,
 134–135
 sequence stratigraphy, A:182
 continental shelf, sequence stratigraphy, B(synopsis):2–5
 continental slope, sequence stratigraphy, B(synopsis):
 2–5
 continental slope, upper, sequence stratigraphy, A:182
 convolution, textures, B3:4, 9
 core-log correlation. *See* log-core correlation
 cores, azimuthal orientation, A:169
 correlation
 depth vs. traveltime, A:93
 lithostratigraphy and chronostratigraphy, A:87
 COST-B2 Well
 comparison with A:92–95
 log-seismic ties, A:91–92
 profile correlation with A:83, 90, 93–95
 stratigraphy, A:89
 cross laminations
 lithologic units, A:160
 photograph, A:162
Cruziana, biostratigraphy, B(synopsis):7
 cyclic processes, gamma-ray logs, A:183–184

D

debris flows, sediments, B(synopsis):8
 deformation
 effective axial stress, B7:13
 photograph, A:112
 degradation, organic matter, B(synopsis):9
 demagnetization
 coercivity, A:69
 vector endpoints, A:67, 71, 121, 169
 density
 sediments, A:77, 128, 130, 175–176
 vs. depth, A:78–79, 129, 179
 density logs
 vs. depth, A:89, 137–140, 186
 vs. spectral gamma ray, A:149
 vs. traveltime, A:143
 vs. velocity logs, A:149
 detrital component, textures, B3:4, 9
 diagenesis
 pore water, A:123
 redox, B(synopsis):10
 sulfate reduction, A:73–74

diatoms, lithologic units, A:58
 discontinuities. *See* hiatuses; seismic discontinuities;
 stratigraphic discontinuities
 dissolution
 biogenic carbonates, A:171
 diagenesis, A:123
 silica, A:73–74
 dolomite
 lithologic units, A:57–58, 113–115, 163
 peak intensity vs. depth, A:59, 116, 163
 precipitation, A:74
 scanning electron microscopy images, B7:46, 54
 dolomite cement
 lithologic units, A:56
 photograph, A:56
 downhole logging
 Site 1071, A:88–95
 Site 1072, A:135–146
 Site 1073, A:182–187
 See also downhole logging; log-core correlation; log-
 seismic correlation;
 well-logging
 dropstone, photograph, A:158
 deuterium, vs. depth, B2:7, 8

E

earth pressure, at rest
 sediments, B7:5
 vs. effective axial stress, B7:14–15
 effective stress
 sediments, B7:5, 20–25, 27
 vs. earth pressure at rest, B7:14–15
 vs. permeability, B7:17
 vs. porosity, B7:13
 electrical conductivity logs, vs. depth, A:92
Emiliania huxleyi, percentage vs. depth, B5:9–10
 Eocene
 biofacies, B(synopsis):7
 biostratigraphy, A:163–168
 calcareous nannofossils, B5:1–8, 16
 photograph, A:162
 Eocene, upper, lithologic units, A:161–163
 epidote, heavy minerals, B6:6, 9–11
 ethane
 sediments, A:172, 175–177
 See also methane/ethane ratio
 ethene, sediments, A:172, 175–177

F

feldspar
 lithologic units, A:55, 113–115, 162–163
 peak intensity vs. depth, A:59, 116, 163
 See also plagioclase; potassium feldspar; quartz + feld-
 spars
 firmground, biofacies, B(synopsis):7
 fluid flow, debris flows, B(synopsis):8
 fluid inclusions, lithologic units, A:56
 foraminifers, benthic, biostratigraphy, A:63, 118, 167;
 B(synopsis):6–7

- foraminifers, planktonic
 biostratigraphy, A:59–63, 117–118, 166–167; B(synopsis):6–7
 oxygen isotopes, B(synopsis):7–8
 relative dominance of Pleistocene species, A:166
 Formation Microscanner imagery
 surface patterns, A:143–144
 vs. depth, A:145, 147–149

G

- gamma rays
 sediments, A:80, 130, 177
 vs. depth, A:78–79, 129, 179
 gamma-ray logs
 correlation with deep resistivity, A:151
 cyclic processes, A:183–184
 vs. depth, A:89, 92, 94–95, 138, 143
 vs. traveltime, A:143
 gamma-ray logs, spectral
 vs. deep–shallow resistivity, A:142
 vs. density logs, A:149
 vs. depth, A:141, 144–146, 148–149
 vs. shallow resistivity, A:149
 gamma-ray logs, spliced, vs. depth, A:184–185
 garnet, heavy minerals, B6:2–4
 gases, headspace, sediments, A:172, 175–176
 gases, syringe, sediments, A:175, 177
 gases, volatile, sediments, A:74, 76, 123, 127, 172
 geochemical logs, vs. depth, A:137, 139, 185
 geochemistry
 pore water, B(synopsis):10
 sediments, B(synopsis):9
 geochemistry, inorganic
 Site 1071, A:71–74
 Site 1072, A:122–123
 Site 1073, A:170–172
 geochemistry, organic
 Site 1071, A:74, 76–77
 Site 1072, A:123, 127–128
 Site 1073, A:172, 175
 glacial/interglacial cycles, oxygen isotopes, B(synopsis):7–8, 10–11
 glaciation
 oxygen isotopes, B(synopsis):7–8
 See also last glacial maximum
 glauconite
 lithologic units, A:45, 104–111, 113–115, 163
 percentage vs. depth, A:60, 116, 164
 photograph, A:113
 precipitation, A:172
 scanning electron microscopy images, B7:56–59
 sediments, B(synopsis):8–9
 textures, B3:4, 9
 thorium/potassium ratio, A:150
 graded bedding, lithologic units, A:57
 grain size
 average variations, B4:10, 12
 frequency histograms, B4:7–9, 11
 sediments, B(synopsis):10; B4:1–18
 granules, lithologic units, A:104–111

- granules, quartz
 lithologic units, A:54–57
 photograph, A:57
 gravel, lithologic units, A:111–113
 gravel, glauconitic granule- and fine-pebble, photograph, A:56

H

- heavy minerals
 associations, B6:2–4
 sediments, B(synopsis):10; B6:1–11
Helminthopsis
 lithologic units, A:159
 sediments, B3:6, 9
 hiatuses, seismic surfaces, A:180, 182, 187
 highstands, sequence stratigraphy, B(synopsis):2–5
 hole–hole correlation, stratigraphic discontinuities, A:141–143
 Holocene, lithologic units, A:43–45, 104–105, 157–158
 Hudson Apron, seismic surfaces, A:180, 182
 hydrocarbons, sediments, A:74, 76, 123, 127
 hydrogen index
 organic matter, A:76–77, 127–128
 sediments, A:77, 128
 hydrogen isotopes
 pore water, B2:1–11
 vs. depth, B2:7–8
 hydrotroilite
 lithologic units, A:157–159
 silt, A:45

I

- ichnofabric
 biostratigraphy, B(synopsis):7
 Pleistocene, B(synopsis):9–10
 sediments, B3:4–6, 9
 ichnofacies
 biostratigraphy, B(synopsis):7
 Pleistocene, B3:1–9
 ichnofossils, photograph, A:162
 illite
 scanning electron microscopy images, B7:52
 thorium/potassium ratio, A:150
 interglacials
 salinity minima, A:123
 See also glacial/interglacial cycles
 iron oxides, lithologic units, A:113–115, 163
 iron sulfides
 textures, B3:4, 9
 See also nodules, iron sulfides

J

- Jaramillo Subchron, magnetostratigraphy, A:65, 68, 120

K

- kaolinite
 sediments, B(synopsis):8–9
 thorium/potassium ratio, A:150

kyanite, heavy minerals, B6:6, 9–11

L

laminations

lithologic units, A:160

photograph, A:159

See also cross laminations

last glacial maximum, salinity minima, A:73

limonitization, lithologic units, A:111

lithoclasts, textures, B3:4, 9

lithofacies

Cenozoic, A:9–10

See also ichnofacies

lithologic Unit I

magnetization, A:71

sequence stratigraphy, A:182

lithologic Unit I/II boundary, pore water, A:73

lithologic Unit IA/IB

photograph, A:112

stratigraphy, A:114

lithologic Unit IB/IC boundary, pore water, A:72

lithologic Unit IC

chronostratigraphy, A:134–135

lithologic units, A:114–115

magnetostratigraphy, A:120

photograph, A:159

lithologic Unit IC/IIA, diagenesis, A:123

lithologic Unit IC2, photograph, A:112–113

lithologic Unit IE, photograph, A:160–161

lithologic Unit IIA

chronostratigraphy, A:135

magnetization, A:71

photograph, A:113–114

stratigraphy, A:115

lithologic Unit IIB, magnetization, A:71

lithologic Unit IIB/C, chronostratigraphy, A:135

lithologic Unit IIC

magnetization, A:71

properties, A:178

lithologic Unit IIF, photograph, A:162

lithologic Unit II-I, photograph, A:162

lithologic units

Site 1071, A:43–58

Site 1072, A:104–115, 157–163

Unit I, A:43–45, 104–108, 111, 157–160

Unit II, A:45, 54–57, 108–113, 160–161

Unit III, A:57, 161–163

lithology, vs. depth, A:44, 47–53, 104–110, 156

lithostratigraphy

Site 1071, A:43–58

Site 1072, A:103–115

Site 1073, A:155–163

log-core correlation

cyclic processes, A:183–184

physical properties, A:144–146

stratigraphic discontinuities, A:141–143

stratigraphy, A:88–89

surface patterns, A:143–144

water depth, A:184

log-seismic correlation

COST-B2 Well, A:91–92

sonic data, A:138–141, 184–187

synthetic seismograms, A:141, 187

See also seismic stratigraphy

M

magnesium

pore water, A:72–73, 122–123, 171

vs. depth, A:75, 126, 173, 175

magnesium/calcium ratio

diagenesis, A:123

dolomite, A:74

magnetic declination, vs. depth, A:70, 170, 172

magnetic inclination

histograms, A:122

vs. depth, A:68–70, 122–123, 170–172

magnetic intensity, vs. depth, A:68–70, 123, 170–172

magnetic polarity zones, vs. depth, A:68–70, 122, 170–172

magnetic reversals, magnetostratigraphy, A:169–170

magnetic susceptibility

ratio vs. depth, A:72

sediments, A:77, 80, 130, 176–177

vs. depth, A:78–79, 125, 129, 170–172, 179

magnetic susceptibility, volume, vs. depth, A:68–70, 122

magnetite, demagnetization, A:69, 71

magnetostratigraphy

Quaternary–Eocene, A:169–170

Quaternary–Miocene, A:65, 68, 120

See also chrons

mass flows, sediments, B(synopsis):8

mass-transport deposits, slumps, B(synopsis):8

Matuyama Chron, magnetostratigraphy, A:65, 68, 120

median destructive field

magnetization, A:69, 71, 120–122

vs. depth, A:72, 125

methane

carbon isotopes, B1:1–7

oxidation, B(synopsis):9

sediments, A:74, 76, 123, 127, 172, 175–177

vs. depth, A:176

methane/ethane ratio, sediments, A:74, 76, 172, 175–177

methanogenesis

carbon dioxide, B(synopsis):10

sediments, B(synopsis):9

micas

lithologic units, A:45, 113–115, 163

percentage vs. depth, A:60, 116, 164

microfossils, lithologic units, A:58

Mid-Atlantic Transect, Cenozoic, A:9–10

Miocene

biofacies, B(synopsis):7

biostratigraphy, A:58–65, 115–120, 163–168

calcareous nannofossils, B5:1–16

debris flows, B(synopsis):8

heavy minerals, B6:1–11

sequence stratigraphy, B(synopsis):2–5, 10–11

See also Oligocene–Pleistocene sequence

Miocene, lower, lithologic units, A:160–161

Miocene, middle
 buried rollover, A:8
 lithologic units, A:160
 Miocene, upper, lithologic units, A:109–113
 Miocene, upper–middle, lithologic units, A:50–57
 Miocene/Pleistocene sequence boundary, outer shelf,
 A:86–88, 134–135
 mixed-layer clays, sediments, B(synopsis):8–9
 mollusks, photograph, A:56
 mottling, lithologic units, A:104
 mud, textures, B3:4, 9
 mud, glauconitic sandy, lithologic units, A:160
 mud, sandy
 lithologic units, A:56–57, 157–161
 photograph, A:112, 161–162
 sediment grain size, B4:1–18
 textures, B3:4, 9
 muscovite
 lithologic units, A:113–115
 thorium/potassium ratio, A:150

N

nannofossil datums, summary, A:164
 nannofossils
 oxygen isotopes, B(synopsis):7–8
 sequence boundaries, B(synopsis):9
 nannofossils, calcareous
 biostratigraphy, A:58–59, 115–117, 164–166
 Cenozoic, B5:1–16
 neutron porosity logs, vs. depth, A:186
 New Jersey continental margin
 calcareous nannofossils, B5:1–16
 heavy minerals, B6:1–11
 Oligocene–Pleistocene eustatic change, A:5–16
 sediment grain size, B4:1–18
 sedimentology, B3:1–9
 sequence stratigraphy, B(synopsis):2–5
 stable isotopes, B2:1–11
 nitrogen. *See also* carbon/nitrogen ratio
 nitrogen, total, sediments, A:76, 127, 175, 177
 nodules, carbonate, photograph, A:114
 nodules, iron sulfides, textures, B3:4, 9
 nodules, pyrite, lithologic units, A:45, 56–57, 111–113
 nodules, siderite, lithologic units, A:45, 56–57, 111–113

O

offlap
 Cenozoic, A:95–96
 log-core correlation, A:184
 seismic stratigraphy, A:11–12
 sequence stratigraphy, B(synopsis):2–5
 Olduvai Subchron, magnetostratigraphy, A:120
 Oligocene
 biofacies, B(synopsis):7
 biostratigraphy, A:163–168
 calcareous nannofossils, B5:1–8, 16
 debris flows, B(synopsis):8
 lithologic units, A:161
 photograph, A:162
 porosity, B7:4–5

sequence stratigraphy, B(synopsis):3
 Oligocene–Pleistocene sequence, eustatic changes,
 A:5–16
 onlap, seismic stratigraphy, A:11–12
 opal-CT
 diagenesis, A:74
 peak intensity vs. depth, A:59
 Ophiomorpha
 lithologic units, A:57, 111
 sediments, B3:6, 9
 organic matter
 decomposition, A:73–74
 degradation, B(synopsis):9
 diagenesis, A:73–74, 123
 oxygen index, A:127–128
 photograph, A:57
 overbank deposits
 lithologic units, A:159
 photograph, A:159
 overpressure, aquifers, A:74
 oxidation
 methane, B(synopsis):9
See also redox
 oxygen index
 organic matter, A:76–77, 127–128
 sediments, A:77, 128
 oxygen isotopes
 chemostratigraphy, B(synopsis):7–8
 pore water, B(synopsis):10; B2:1–11
 vs. depth, B2:7–8

P

Palaeophycus, lithologic units, A:104, 111, 159–160
 paleobathymetry, from benthic foraminifers, A:61
 paleoclimatology, palynomorphs, B(synopsis):6–7
 paleomagnetism
 discrete samples, A:66, 124–125, 169
 Site 1071, A:65–71
 Site 1072, A:120–122
 Site 1073, A:168–170
 palynology, biostratigraphy, B(synopsis):5–7
 palynomorphs, biostratigraphy, A:63–64, 118–119, 167–
 168; B(synopsis):5–7
 pebbles
 lithologic units, A:56–57, 104–111
 photograph, A:57, 113, 158, 161
 pellets, glauconite, B(synopsis):8–9
 permeability
 sediments, B7:5, 27
 vs. effective isostatic stress, B7:17
 vs. porosity, B7:18
 pH, vs. depth, A:75, 126, 173
 phosphate
 pore water, A:72–73, 122–123, 170–171
 vs. depth, A:75, 126, 173
 photoelectric factor logs
 vs. depth, A:139–140, 186
 vs. thorium/potassium ratio, A:150
 physical properties
 log-core correlation, A:144–146
 Site 1071, A:77–81

Site 1072, A:128–131
Site 1073, A:175–178; B7:1–62
thin section images, B7:30–39
plagioclase, scanning electron microscopy images,
B7:47, 56–57
Planolites
lithologic units, A:104, 111, 160–162
photograph, A:162
Planolites(?), lithologic units, A:159
plant debris, textures, B3:4, 9
Pleistocene
calcareous nannofossils, B5:1–16
debris flows, B(synopsis):8
decimeter-scale sedimentology, B3:1–9
heavy minerals, B6:1–11
ichnofabric, B(synopsis):9–10
ichnofossils, B3:1–9
lithologic units, A:43–50, 54–55, 104–113, 157–160,
187–189
porosity, B7:4–5
relative dominance of planktonic foraminifer species,
A:166
sediment grain size, B4:1–18
sequence stratigraphy, B(synopsis):2–5, 10–11
See also Miocene/Pleistocene sequence boundary; Oli-
gocene–Pleistocene sequence
Pliocene
biofacies, B(synopsis):7
biostratigraphy, A:58–65, 115–120, 163–168
calcareous nannofossils, B5:1–16
heavy minerals, B6:1–11
lithologic units, A:104–111, 160
See also Oligocene–Pleistocene sequence
Pliocene, lower, lithologic units, A:45
pore water
carbon isotopes, B1:1–7
geochemistry, A:74, 127, 174; B(synopsis):10
stable isotopes, B2:1–11
porosity
burial, B(synopsis):5
Pleistocene, B7:4–5
sediments, A:77, 128, 130, 175–176; B7:4–5, 21–26
vs. compressional wave velocity, B7:16
vs. depth, A:78–79, 129, 179; B7:12
vs. effective axial stress, B7:13
vs. permeability, B7:18
See also neutron porosity logs
porosity logs, vs. depth, A:140
potassium
pore water, A:72–73, 122–123, 171–172
vs. depth, A:75, 126, 173
See also thorium/potassium ratio; thorium/potassium
ratio logs
potassium feldspar, scanning electron microscopy im-
ages, B7:56, 58–59
potassium logs, vs. depth, A:137, 139, 145, 147–149, 185
precipitation, carbonates, A:73–74
progradation
seismic stratigraphy, A:11–12
sequence stratigraphy, B(synopsis):2–5
propane, sediments, A:172, 176

pyrite
lithologic units, A:57–58, 113–115
peak intensity vs. depth, A:59, 116, 163
scanning electron microscopy images, B7:46, 56–59
See also nodules, pyrite
pyroxene
heavy minerals, B(synopsis):10; B6:2–4
scanning electron microscopy images, B7:46

Q

quartz
lithologic units, A:55, 113–115, 162–163
peak intensity vs. depth, A:59, 116, 163
scanning electron microscopy images, B7:46–47, 52,
54, 57–59
See also granules, quartz
quartz + feldspars, percentage vs. depth, A:60, 116, 164
Quaternary, biostratigraphy, A:58–65, 115–120, 163–168

R

rate of penetration logs, vs. depth, A:89
recrystallization
biogenic carbonates, A:171
diagenesis, A:123
redox
diagenesis, B(synopsis):10
See also oxidation
remanent magnetization, anhysteretic
demagnetization, A:69, 71, 120–122
vs. depth, A:72, 125
remanent magnetization, natural
demagnetization, A:120–122
vs. depth, A:72, 125
resistivity
sediments, A:80–81, 131, 178
vs. depth, A:78–79, 129, 179
resistivity logs
vs. depth, A:89, 94–95, 137–139
vs. traveltime, A:143
resistivity logs, deep
correlation with gamma-ray logs, A:151
vs. depth, A:144, 146–149, 186
vs. spectral gamma ray, A:142
resistivity logs, induction medium, vs. depth, A:144,
146, 148
resistivity logs, phasor-induction deep, vs. depth, A:184
resistivity logs, shallow
vs. depth, A:141, 144–146, 148–149, 186
vs. spectral gamma ray, A:149
vs. velocity logs, A:149
resistivity logs, shallow spherically-focused, vs. depth,
A:144, 146–149, 184
rock magnetics
discrete samples, A:66, 124–125, 169
magnetization, A:69, 71, 120–122
vs. depth, A:72
rollover, buried, middle Miocene, A:8
rutile
heavy minerals, B(synopsis):10; B6:6, 9–11
lithologic units, A:113–115, 163

S

salinity

- carbon isotopes, B1:2–3
- diagenesis, A:73–74
- pore water, A:72–73, 122–123
- vs. depth, A:75, 126

salinity minima

- interglacial stages, A:123
- Pliocene–Pleistocene sequence, A:96
- pore water, A:73

sand

- lithologic units, A:43–50, 54–55, 104–111, 158–161
- photograph, A:54, 159
- sediment grain size, B4:1–18
- textures, B3:4, 9

sand, glauconitic, photograph, A:54

sand, glauconitic silty, lithologic units, A:111–113

sand, micaceous muddy, lithologic units, A:56–57

sand, muddy

- lithologic units, A:158–161
- photograph, A:159
- textures, B3:4, 9

sand, pebbly fine silty, photograph, A:56

sand, pebbly muddy, photograph, A:55

sand, quartz, lithologic units, A:45

sand, silty

- lithologic units, A:104–111
- photograph, A:55, 58

sandstone, glauconitic pebbly

- lithologic units, A:56–57
- photograph, A:56, 114–115

sandstone, glauconitic quartz, lithologic units, A:111–113

sandstone, pebbly glauconitic quartz, lithologic units, A:111–113

scanning electron microscopy, images, B7:46–62

scanning electron microscopy data, sediments, B7:29

Schaubcylindrichnus freyii, sediments, B3:5, 9

sea-level changes

- Oligocene–Pleistocene, A:5–16
- sequence stratigraphy, B(synopsis):2–5

seawater, backflushing, A:74

sedimentary wedges, Cenozoic, A:9

sedimentation rates

- biostratigraphy, B(synopsis):6–7
- Oligocene–Pleistocene, A:7–9
- vs. depth, B7:12

sedimentology, decimeter-scale, Pleistocene, B3:1–9

sediments

- grain size, B(synopsis):10; B4:1–18
- heavy minerals, B6:1–11
- textures, B3:4, 9

seismic discontinuities, physical properties, A:81, 131

seismic facies, seismic mapping, A:95–96, 146–151

seismic facies units, photograph, A:158–161

seismic profiles

- Cenozoic, A:9
- sequence stratigraphy, B(synopsis):2–5
- Site 1071, A:82–84, 90
- Site 1072, A:132–133, 135

Site 1073, A:181, 191

seismic reflections, vs. depth, A:184–186

seismic stratigraphy

Oligocene–Pleistocene, A:5–16

Site 1071, A:81–88

Site 1072, A:131–135

Site 1073, A:178–182

See also log-seismic correlation

seismic surface m0.5(s)-m3(s), lithologic units, A:160

seismic surface m5.6(s), lithologic units, A:160

seismic surface pp1(s), photograph, A:158

seismic surface pp3(s), correlation, A:180, 182

seismic surface pp4(s)

correlation, A:180, 182, 187–188

lithologic units, A:157, 159–160

seismic surfaces

sequence boundaries, A:95–96

sonic data, A:184–187

vs. depth, A:188–189

seismograms, synthetic

log-seismic correlation, A:141, 187

vs. depth, A:189

sequence boundaries

Cenozoic, A:95–96, 133–135

nannofossils, B(synopsis):9

structural mapping, A:86

sequence stratigraphy

boundary depth prediction, A:84–86, 133–135; B(synopsis):2–5, 10–11

calibration of outer shelf to upper slope, A:182

Oligocene–Pleistocene eustatic change, A:5–16

physical properties, A:81–88

seismic surfaces, A:180, 182

shear strength

sediments, A:80, 131, 178

vs. depth, B7:12

shear strength, undrained, vs. depth, A:78–79, 129, 179

shells

lithologic units, A:45, 56–57, 104–111

photograph, A:113

textures, B3:4, 9

shrinkage cracks, lithologic units, A:55

siderite

lithologic units, A:56–58, 111, 113–115, 163

methanogenesis, B(synopsis):9

peak intensity vs. depth, A:59, 116, 163

photograph, A:114

See also nodules, siderite

silica

diagenesis, A:74

dissolution, A:73–74

pore water, A:73, 123, 171

vs. depth, A:75, 126, 173

siliceous fossils, percentage vs. depth, A:60, 164

sillimanite, heavy minerals, B6:6, 9–11

silt

grain size, B4:1–18

lithologic units, A:111–113, 160

photograph, A:159

textures, B3:4, 9

silt, clayey, lithologic units, A:43–45, 104–111

- silt, sandy, lithologic units, A:43–45, 56–57, 104–111
Site 983, percentage of *Emiliania huxleyi*, B5:10
Site 1071, A:37–97
 background and objectives, A:39–40
 biostratigraphy, A:58–65
 calcareous nannofossils, B5:1–16
 carbon isotopes, B1:1–7
 comparison with COST-B2 Well, A:92–95
 coring, A:41
 downhole logging, A:88–95
 heavy minerals, B6:1–11
 inorganic geochemistry, A:71–74
 lithostratigraphy, A:43–58
 operations, A:40–43
 organic geochemistry, A:74, 76–77
 paleomagnetism, A:65–71
 physical properties, A:77–81
 sediment grain size, B4:1–18
 seismic stratigraphy, A:81–88
 site description, A:37–97
 stable isotopes, B2:1–11
 summary and conclusions, A:95–96
Site 1072, A:99–152
 background and objectives, A:101
 biostratigraphy, A:115–120
 calcareous nannofossils, B5:1–16
 carbon isotopes, B1:1–7
 coring, A:102
 downhole logging, A:135–146
 heavy minerals, B6:1–11
 inorganic geochemistry, A:122–123
 lithostratigraphy, A:103–115
 operations, A:101–103
 organic geochemistry, A:123, 127–128
 paleomagnetism, A:120–122
 physical properties, A:128–131
 sediment grain size, B4:1–18
 seismic stratigraphy, A:131–135
 site description, A:99–152
 stable isotopes, B2:1–11
 summary and conclusions, A:146–151
Site 1073, A:153–191
 background and objectives, A:154
 biostratigraphy, A:163–168
 calcareous nannofossils, B5:1–16
 carbon isotopes, B1:1–7
 coring, A:155
 downhole logging, A:182–187
 heavy minerals, B6:1–11
 inorganic geochemistry, A:170–172
 lithostratigraphy, A:155–163
 operations, A:154–155
 organic geochemistry, A:172, 175
 paleomagnetism, A:168–170
 physical properties, A:175–178; B7:1–62
 sediment grain size, B4:1–18
 sedimentology, B3:1–9
 seismic stratigraphy, A:178–182
 site description, A:153–191
 stable isotopes, B2:1–11
 summary and conclusions, A:187–189
Skolithos, lithologic units, A:160
slumps
 lithologic units, A:104–111
 mass-transport deposits, B(synopsis):8
 photograph, A:112, 160
 surface patterns, A:143–144
smectite, sediments, B(synopsis):8–9
soft sediment deformation, lithologic units, A:158–160
sonic data, log-seismic correlation, A:138–141, 184–187
sponge spicules, lithologic units, A:58
stable isotopes
 pore water, B2:1–11
 See also carbon isotopes; deuterium; oxygen isotopes;
 strontium isotopes
staurolite, heavy minerals, B6:6, 9–11
storm beds, photograph, A:54
strain, sediments, B7:5
STRATAFORM, Cenozoic, A:10–11
stratigraphic discontinuities
 biostratigraphic age control, A:64–65, 119–120, 168
 log-core correlation, A:141–143
stratigraphic discontinuity pp3(s)
 biostratigraphic age control, A:64–65, 119–120
 log-core correlation, A:141–143, 146–151
 seismic mapping, A:86–88, 95–96, 134–135, 141–143
stratigraphic discontinuity pp4(s)
 biostratigraphic age control, A:64–65, 119–120
 log-core correlation, A:141–143, 146–151
 seismic mapping, A:95–96
stratigraphic discontinuity pp5(s)
 biostratigraphic age control, A:64–65, 119–120
 log-core correlation, A:141–143, 146–151
 seismic mapping, A:86–88, 95–96
stratigraphy. *See* biostratigraphy; chemostratigraphy;
 chronostratigraphy;
seismic stratigraphy; sequence stratigraphy
strontium
 pore water, A:72–73, 122–123, 171
 vs. depth, A:75, 126, 173, 175
strontium/calcium ratio
 pore water, A:171
 vs. depth, A:173, 175
strontium isotopes
 pore water, B2:1–11
 vs. depth, B2:6
structural mapping, sequence boundaries, A:86
structures, derived from traveltime, A:85–86
sulfate
 pore water, A:72, 122–123
 vs. depth, A:75, 126, 173
sulfate reduction, diagenesis, A:73–74
sulfur, total, sediments, A:76, 127, 175, 177
- T**
Taenidium
 lithologic units, A:111, 160–162
 photograph, A:162
 sediments, B3:6, 9

Taenidium(?), lithologic units, A:111
Teichichnus
 lithologic units, A:57, 111, 159–161
 photograph, A:113
 temperature
 organic matter, A:127–128
 sediments, A:128
Terebellina, lithologic units, A:57, 160
Terebellina(?), lithologic units, A:111
 textures, sediments, B3:4, 9
Thalassinoides
 biostratigraphy, B(synopsis):7
 lithologic units, A:111, 159–162
 sediments, B3:6, 9
 thermal conductivity
 sediments, A:80, 130, 177
 vs. depth, A:78–79, 129, 179
 thin section images
 physical properties, B7:30–39
 whole core, B7:40–45
 thorium logs
 cyclic processes, A:183–184
 vs. depth, A:137, 139, 185
 thorium/potassium ratio
 vs. depth, A:150
 vs. photoelectric factor, A:150
 thorium/potassium ratio logs, vs. depth, A:185
 time–depth estimates, seismic surfaces, A:89–91, 134
 tourmaline, heavy minerals, B(synopsis):10; B6:6, 9–11
 trace fossils. *See* ichnofossils
 transects, seismic stratigraphy, A:12–13
 transgression, sequence stratigraphy, B(synopsis):2–5
 traveltime
 boundary depth prediction, A:84–86
 interpretation from seismic data, A:87
 vs. depth, A:86, 93, 182, 187
 turbidites
 lithologic units, A:57
 photograph, A:58

U

unconformities
 Cenozoic, A:9
See also hiatuses; seismic discontinuities; stratigraphic discontinuities

uranium logs
 cyclic processes, A:183–184
 vs. depth, A:137, 139, 185

V

velocity, vs. depth, A:78–79, 91, 179
 velocity logs
 vs. density logs, A:149
 vs. depth, A:92, 94–95, 137–138, 142, 184, 188
 vs. shallow resistivity, A:149
 vs. traveltime, A:143
 vermiculite, sediments, B(synopsis):8–9

W

water depth, log-core correlation, A:184
 water fountains
 drilling photograph, A:73
 origin, A:74
 well-logging
 Site 1071, A:88–95
 Site 1072, A:135–146
 Site 1073, A:182–187
 summary of logging runs, A:183
See also downhole logging; log-core correlation; log-seismic correlation
 wood debris
 lithologic units, A:45, 56–57
 textures, B3:4, 9

X

X-ray diffraction data
 relative intensity of main peaks, A:59, 117, 163
 sediments, B7:28

Z

zircon
 heavy minerals, B(synopsis):10; B6:6, 9–11
 scanning electron microscopy images, B7:52, 56
 zonation, biostratigraphic, vs. depth, A:118
Zoophycos
 lithologic units, A:159–162
 photograph, A:162
Zoophycos(?), lithologic units, A:104, 111

TAXONOMIC INDEX

A

Achomosphaera andalousiensis
 Site 1071, A:63
 Site 1073, A:167–168
Achomosphaera ramulifera, Site 1073, A:167
Achomosphaera spp.
 Site 1071, A:63–64
 Site 1072, A:118
acrostoma, *Paragloborotalia*, Site 1071, A:63
actinocoronata, *Reticulatosphaera*, Site 1073, A:168
agglutinans, *Textularia*

Site 1071, A:63
 Site 1072, A:118
alazanensis, *Cibicidoides*, Site 1073, A:167
Algidasphaeridium minutum, Site 1071, A:63
americana spinosa, *Lenticulina*, Site 1071, A:63
andalousiensis, *Achomosphaera*
 Site 1071, A:63
 Site 1073, A:167–168
Anomalinoides globulosus, Site 1073, A:167
Apteodinium tectatum, Site 1072, A:119
aquaeductum, *Unipontidinium*, Site 1072, A:119

Astacolus hyalacrulus, Site 1071, A:63
Ataxiodinium choanum, Site 1073, A:167
aubेरiana, *Uvigerina*, Site 1073, A:167
aubryae, *Cousteaudinium*, Site 1073, A:168
auriculata, *Globobulimina*, Site 1072, A:118

B

barleeaanum, *Melonis*, Site 1073, A:167
Barssidinium evangelinae, Site 1071, A:63
Batiacasphaera sphaerica
 Site 1071, A:64
 Site 1073, A:167–168
belemnos, *Sphenolithus*, Site 1073, B5:5
bigelowii, *Braarudosphaera*, Site 1071, A:58; B5:3
bijugatus, *Zygrhablithus*, Site 1073, A:166
bilobata, *Orbulina*, Site 1072, A:117
bisecta, *Reticulofenestra*, Site 1073, A:166; B5:5
Bitectatodinium tepikiense, Site 1072, A:118; B7:6
Bolivina calvertensis, Site 1072, A:118
Bolivina subaenariensis, Site 1072, A:118
Braarudosphaera bigelowii, Site 1071, A:58; B5:3
brazieri, *Globigerina* cf., Site 1071, A:60
brevispinosa, *Selenopemphix*
 Site 1071, A:63–64
 Site 1072, A:119
 Site 1073, A:167–168
Brigantedinium spp.
 Site 1071, A:63–64
 Site 1072, A:118–119; B7:6
 Site 1073, A:167–168
brouweri, *Discoaster*, Site 1073, B5:5
Bulimina macilenta, Site 1073, A:167
Bulimina marginata, Site 1072, A:118
Bulimina mexicana, Site 1073, A:167
Bulimina subtruncana, Site 1073, A:167
Bulimina tuxpamensis, Site 1073, A:167
Buliminella gracilis
 Site 1071, A:63
 Site 1072, A:115, 118
Buliminella-Uvigerina biofacies, Site 1071, A:63
bulloides, *Globigerina*
 Site 1071, A:59–60
 Site 1072, A:117
 Site 1073, A:166
bulloides, *Pullenia*, Site 1073, A:167

C

Calcidiscis leptopus
 Site 1071, A:58; B5:3
 Site 1072, A:116
Calcidiscis macintyreii, Site 1073, A:166; B5:5; B7:9
calvertensis, *Bolivina*, Site 1072, A:118
Candeina nitida, Site 1072, A:117
caribbeanica, *Gephyrocapsa*, Site 1072, A:116
Cassidulina laevigata
 Site 1071, A:63
 Site 1072, A:118
Cassidulina norcrossi, Site 1072, A:118
Cassidulina teretis, Site 1072, A:118
Catapsydrax dissimilis, Site 1073, A:166

centrocarpum, *Operculodinium*
 Site 1071, A:63
 Site 1072, A:118–119; B7:6
 Site 1073, A:167–168
Cerebrocysta poulsenii, Site 1073, A:168
cerroazulensis, *Turborotalia*, Site 1073, A:166
Chiasmolithus solitus, Site 1072, B5:3
choanophorum, *Melitasphaeridium*, Site 1071, A:63
choanum, *Ataxiodinium*, Site 1073, A:167
Cibicides lobatulus
 Site 1071, A:63
 Site 1072, A:118
Cibicoides alazanensis, Site 1073, A:167
Cibicoides dickersoni, Site 1073, A:167
Cibicoides eocaenus, Site 1073, A:167
Cibicoides micrus, Site 1073, A:167
Cibicoides praemundulus, Site 1073, A:167
Cibicoides robertsonianus, Site 1073, A:167
Cibicoides spp.
 Site 1071, A:63
 Site 1072, A:118
 Site 1073, A:167
Cibicoides subspiratus, Site 1073, A:167
Cibicoides truncanus, Site 1073, A:167
Coccolithus pelagicus, Site 1071, A:58–59; B5:3
complanata, *Stainforthia*, Site 1073, A:167
continua, *Neogloboquadrina*
 Site 1071, A:60
 Site 1072, A:117
Cousteaudinium aubryae, Site 1073, A:168
crassaformis, *Globorotalia*, Site 1073, A:166
Cyclicargolithus floridanus
 Site 1071, A:58–59; B5:3
 Site 1073, A:166; B5:5
Cyclopsiella granosa, Site 1071, A:63

D

Dapsilidinium pseudocolligerum
 Site 1071, A:63
 Site 1072, A:119
 Site 1073, A:168
dehiscens, *Globoquadrina* cf., Site 1071, A:60
delectabile, *Ermynodinium*, Site 1072, A:119
dickersoni, *Cibicoides*, Site 1073, A:167
dinoaeacysta, *Selenopemphix*
 Site 1071, A:63
 Site 1072, A:119
Discoaster brouweri, Site 1073, B5:5
Discoaster saipanensis, Site 1073, A:166; B5:5
Discoaster tamalis, Site 1073, A:166; B5:5
dissimilis, *Catapsydrax*, Site 1073, A:166
druggii, *Sumatradinium*, Site 1073, A:168
dubia, *Marginulina*, Site 1071, A:63
dutertrei, *Neogloboquadrina*
 Site 1072, A:117
 Site 1073, A:166

E

eirikianum, *Operculodinium*?
 Site 1071, A:63

Site 1073, A:168
elegans, *Hoeglundina*, Site 1073, A:167
Elphidium excavatum
 Site 1071, A:58, 63
 Site 1072, A:115, 118
Elphidium excavatum forma *clavatum*
 Site 1071, A:63
 Site 1072, A:118
 Site 1073, A:167
Elphidium excavatum forma *lidoensis*
 Site 1071, A:63
 Site 1072, A:118
Emiliana huxleyi
 Site 983, B5:10
 Site 1071, B5:3
 Site 1073, A:166; B5:4, 9; B7:7, 9
Emiliana huxleyi acme zone, Site 1073, B7:9
eocaena, *Subbotina*, Site 1073, A:166
eocaenus, *Cibicidoides*, Site 1073, A:167
Ermynodinium delectabile, Site 1072, A:119
evangelinae, *Barssidinium*, Site 1071, A:63
excavatum, *Elphidium*
 Site 1071, A:58, 63
 Site 1072, A:115, 118
excavatum forma *clavatum*, *Elphidium*
 Site 1071, A:63
 Site 1072, A:118
 Site 1073, A:167
excavatum forma *lidoensis*, *Elphidium*
 Site 1071, A:63
 Site 1072, A:118

F

fairhavenensis, *Pyxidinospis*, Site 1073, A:168
filifera, *Filisphaera*, Site 1072, A:119
Filisphaera filifera, Site 1072, A:119
Filisphaera microornata, Site 1071, A:63
floridanus, *Cycticargolithus*
 Site 1071, A:58–59; B5:3
 Site 1073, A:166; B5:5

G

Gephyrocapsa caribbeanica, Site 1072, A:116
Gephyrocapsa parallela
 Site 1071, A:58
 Site 1072, A:116
 Site 1073, A:166
Gephyrocapsa spp.
 Site 1071, A:58–59; B5:3
 Site 1072, A:116; B5:3–4
Globigerina bulloides
 Site 1071, A:59–60
 Site 1072, A:117
 Site 1073, A:166
Globigerina cf. *brazieri*, Site 1071, A:60
Globigerina praebulloides, Site 1071, A:60
Globigerina quinqueloba
 Site 1071, A:60
 Site 1072, A:117

Site 1073, A:166
Globigerina woodi
 Site 1071, A:60
 Site 1072, A:117
Globigerinella pseudobesa
 Site 1071, A:60
 Site 1072, A:117
Globigerinita glutinata
 Site 1071, A:60
 Site 1072, A:117
Globigerinoides immaturus
 Site 1071, A:60
 Site 1072, A:117
Globigerinoides obliquus, Site 1072, A:117
Globigerinoides quadrilobatus, Site 1072, A:117
Globigerinoides ruber
 Site 1071, A:60
 Site 1072, A:117
Globigerinoides sacculifer
 Site 1071, A:60
 Site 1072, A:117
Globigerinoides trilobus
 Site 1071, A:60
 Site 1072, A:117
Globobulimina auriculata, Site 1072, A:118
Globocassidulina subglobosa, Site 1073, A:167
Globoquadrina cf. *dehiscens*, Site 1071, A:60
Globorotalia crassaformis, Site 1073, A:166
Globorotalia inflata
 Site 1071, A:60
 Site 1072, A:117
 Site 1073, A:166
Globorotalia juanai, Site 1071, A:60
Globorotalia menardii, Site 1071, A:60
Globorotalia praescitula, Site 1073, A:166
Globorotalia scitula
 Site 1071, A:60
 Site 1072, A:117
Globorotalia truncatulinoides, Site 1072, A:117
globulosus, *Anomalinoidea*, Site 1073, A:167
glorianum, *Trinovantedinium*, Site 1072, A:119
glutinata, *Globigerinita*
 Site 1071, A:60
 Site 1072, A:117
golzowense, *Paleocystodinium*
 Site 1071, A:63–64
 Site 1073, A:168
gracilis, *Buliminella*
 Site 1071, A:63
 Site 1072, A:115, 118
granosa, *Cyclopsiella*, Site 1071, A:63
Gyroidinoidea spp., Site 1073, A:167

H

Habibacysta tectata
 Site 1071, A:63–64
 Site 1072, A:118–119
 Site 1073, A:167–168
harpagonium, *Trinovantedinium*, Site 1071, A:64
havanensis, *Uvigerina*, Site 1073, A:167

Helicosphaera sellii, Site 1073, B5:5; B7:9
heteromorphus, *Sphenolithus*, Site 1073, A:166; B5:5
Hoeglundina elegans, Site 1073, A:167
huxleyi, *Emiliana*
 Site 983, B5:10
 Site 1071, B5:3
 Site 1073, A:166; B5:4, 9; B7:7, 9
hyalacrulus, *Astacolus*, Site 1071, A:63
Hystriosphaeopsis obscura, Site 1071, A:63

I

immaturus, *Globigerinoides*
 Site 1071, A:60
 Site 1072, A:117
inflata, *Globorotalia*
 Site 1071, A:60
 Site 1072, A:117
 Site 1073, A:166
Invertocysta lacrymosa, Site 1071, A:63
israelianum, *Operculodinium*
 Site 1071, A:63
 Site 1072, A:118; B7:6
 Site 1073, A:167
Isthmolithus recurvus, Site 1073, A:166; B5:5

J

janduchenei, *Operculodinium*
 Site 1071, A:63
 Site 1072, A:119
 Site 1073, A:167
juanai, *Globorotalia*, Site 1071, A:60
juncea, *Uvigerina*
 Site 1071, A:63
 Site 1072, A:115, 118

L

Labyrinthodinium truncatum, Site 1073, A:168
labyrinthus, *Nematosphaeropsis*, Site 1073, A:167
lacrymosa, *Invertocysta*, Site 1071, A:63
lacunose, *Pseudoemiliana*
 Site 1071, A:58–59; B5:3
 Site 1072, A:116; B5:3–4
 Site 1073, A:166; B5:4; B7:7
laevigata, *Cassidulina*
 Site 1071, A:63
 Site 1072, A:118
laevigata, *Valvulineria*, Site 1073, A:167
Laticarinina pauperata, Site 1073, A:167
laticinctum, *Pentadinium*, Site 1073, A:168
Lejeunecysta spp.
 Site 1071, A:63–64
 Site 1072, A:119
 Site 1073, A:168
Lenticulina americana spinosa, Site 1071, A:63
Lenticulina spp., Site 1073, A:167
leptoporus, *Calcidiscis*
 Site 1071, A:58; B5:3
 Site 1072, A:116
Lingulodinium machaerophorum

Site 1071, A:63–64
 Site 1072, A:118–119
 Site 1073, A:167–168
Lingulodinium multivirgatum, Site 1073, A:168
lobatulus, *Cibicides*
 Site 1071, A:63
 Site 1072, A:118

M

machaerophorum, *Lingulodinium*
 Site 1071, A:63–64
 Site 1072, A:118–119
 Site 1073, A:167–168
macilenta, *Bulimina*, Site 1073, A:167
macintyreii, *Calcidiscis*, Site 1073, A:166; B5:5; B7:9
marginata, *Bulimina*, Site 1072, A:118
Marginulina dubia, Site 1071, A:63
Martinotiella sp., Site 1073, A:167
mayeri, *Neogloboquadrina*, Site 1071, A:60
Melitasphaeridium choanophorum, Site 1071, A:63
Melonis barleeanum, Site 1073, A:167
Melonis pompilioides, Site 1073, A:167
menardii, *Globorotalia*, Site 1071, A:60
mexicana, *Bulimina*, Site 1073, A:167
mexicana, *Vulvulina*, Site 1073, A:167
microornata, *Filisphaera*, Site 1071, A:63
micrus, *Cibicidoides*, Site 1073, A:167
minuta, *Multispinula*, Site 1071, A:63
minutum, *Algidasphaeridium*, Site 1071, A:63
miocenica, *Nonionella*, Site 1071, A:63
miocenica stella, *Nonionella*
 Site 1071, A:63
 Site 1072, A:118
Multispinula minuta, Site 1071, A:63
multivirgatum, *Lingulodinium*, Site 1073, A:168

N

Nematosphaeropsis labyrinthus, Site 1073, A:167
Neogloboquadrina continua
 Site 1071, A:60
 Site 1072, A:117
Neogloboquadrina dutertrei
 Site 1072, A:117
 Site 1073, A:166
Neogloboquadrina mayeri, Site 1071, A:60
Neogloboquadrina pachyderma
 Site 1071, A:60
 Site 1072, A:117
 Site 1073, A:166
nephroides, *Selenopemphix*
 Site 1071, A:63–64
 Site 1072, A:118–119
 Site 1073, A:167
nitida, *Candeina*, Site 1072, A:117
Nonionella miocenica, Site 1071, A:63
Nonionella miocenica stella
 Site 1071, A:63
 Site 1072, A:118
norcrossi, *Cassidulina*, Site 1072, A:118

O

- obliquus, Globigerinoides, Site 1072, A:117*
obscura, Hystrichosphaeropsis, Site 1071, A:63
Operculodinium centrocarpum
 Site 1071, A:63
 Site 1072, A:118–119; B7:6
 Site 1073, A:167–168
Operculodinium? eirikianum
 Site 1071, A:63
 Site 1073, A:168
Operculodinium israelianum
 Site 1071, A:63
 Site 1072, A:118; B7:6
 Site 1073, A:167
Operculodinium janduchenei
 Site 1071, A:63
 Site 1072, A:119
 Site 1073, A:167
Operculodinium piaseckii, Site 1071, A:64
Operculodinium placitum, Site 1073, A:168
Orbulina bilobata, Site 1072, A:117
Orbulina suturalis, Site 1072, A:117
Orbulina universa
 Site 1071, A:60
 Site 1072, A:117
 Site 1073, A:166
Oridorsalis umbonatus, Site 1073, A:167
Osangularia sp., Site 1073, A:167

P

- pachyderma, Neogloboquadrina*
 Site 1071, A:60
 Site 1072, A:117
 Site 1073, A:166
Paleocystodinium golzowense
 Site 1071, A:63–64
 Site 1073, A:168
papulum, Trinovantedinium, Site 1071, A:63–64
Paragloborotalia acrostoma, Site 1071, A:63
parallela, Gephyrocapsa
 Site 1071, A:58
 Site 1072, A:116
 Site 1073, A:166
paucistriata, Stilostomella, Site 1073, A:167
pauperata, Laticarinina, Site 1073, A:167
pelagicus, Coccolithus, Site 1071, A:58–59; B5:3
pellitum, Tectatodinium
 Site 1071, A:63
 Site 1072, A:118
 Site 1073, A:167–168
Pentadinium laticinctum, Site 1073, A:168
peregrina, Uvigerina, Site 1073, A:164
piaseckii, Operculodinium, Site 1071, A:64
placantha, Systematophora
 Site 1072, A:119
 Site 1073, A:168
placitum, Operculodinium, Site 1073, A:168
Planulina cf. wuellerstorfi, Site 1073, A:167
Plectofrondicularia vaughani, Site 1073, A:167

- Polysphaeridium zoharyi*
 Site 1071, A:63
 Site 1072, A:118–119
 Site 1073, A:167–168
pompilioides, Melonis, Site 1073, A:167
poulsenii, Cerebrocysta, Site 1073, A:168
praebulloides, Globigerina, Site 1071, A:60
praemundulus, Cibicidoides, Site 1073, A:167
praescitula, Globorotalia, Site 1073, A:166
producta, Reticulofenestra, Site 1071, A:59
pseudobesa, Globigerinella
 Site 1071, A:60
 Site 1072, A:117
pseudocolligerum, Dapsilidinium
 Site 1071, A:63
 Site 1072, A:119
 Site 1073, A:168
Pseudoemiliania lacunosa
 Site 1071, A:58–59; B5:3
 Site 1072, A:116; B5:3–4
 Site 1073, A:166; B5:4; B7:7
pseudofurcatus, Spiniferites, Site 1073, A:168
pseudoumbilicus, Reticulofenestra
 Site 1071, A:58–59; B5:3
 Site 1072, A:116; B5:4
 Site 1073, A:166; B5:5
Pullenia bulloides, Site 1073, A:167
Pyxidiella simplex, Site 1071, A:63
Pyxidinosia fairhavenensis, Site 1073, A:168

Q

- quadrilobatus, Globigerinoides, Site 1072, A:117*
quanta, Selenopemphix, Site 1071, A:63
quinqueloba, Globigerina
 Site 1071, A:60
 Site 1072, A:117
 Site 1073, A:166
Quinqueloculina seminum
 Site 1071, A:63
 Site 1072, A:118

R

- ramulifera, Achomosphaera, Site 1073, A:167*
recurvus, Isthmolithus, Site 1073, A:166; B5:5
reticulata, Reticulofenestra, Site 1073, A:166; B5:5
Reticulatosphaera actinocoronata, Site 1073, A:168
Reticulofenestra bisecta, Site 1073, A:166; B5:5
Reticulofenestra producta, Site 1071, A:59
Reticulofenestra pseudoumbilicus
 Site 1071, A:58–59; B5:3
 Site 1072, A:116; B5:4
 Site 1073, A:166; B5:5
Reticulofenestra reticulata, Site 1073, A:166; B5:5
Reticulofenestra sp., Site 1071, A:58–59
robertsonianus, Cibicidoides, Site 1073, A:167
ruber, Globigerinoides
 Site 1071, A:60
 Site 1072, A:117

S

- sacculifer*, *Globigerinoides*
Site 1071, A:60
Site 1072, A:117
- saipanensis*, *Discoaster*, Site 1073, A:166; B5:5
- schlumbergeri*, *Sigmoilopsis*, Site 1073, A:167
- scitula*, *Globorotalia*
Site 1071, A:60
Site 1072, A:117
- Selenopemphix brevispinosa*
Site 1071, A:63–64
Site 1072, A:119
Site 1073, A:167–168
- Selenopemphix dinoaeacysta*
Site 1071, A:63
Site 1072, A:119
- Selenopemphix nephroides*
Site 1071, A:63–64
Site 1072, A:118–119
Site 1073, A:167
- Selenopemphix quanta*, Site 1071, A:63
- sellii*, *Helicosphaera*, Site 1073, B5:5; B7:9
- seminulina*, *Sphaeroidinbellopsis*, Site 1073, A:166
- seminulum*, *Quinqueloculina*
Site 1071, A:63
Site 1072, A:118
- semivestita*, *Uvigerina*, Site 1073, A:167
- Sigmoilopsis schlumbergeri*, Site 1073, A:167
- simplex*, *Pyxidiella*, Site 1071, A:63
- Siphonina tenuicarinata*, Site 1073, A:167
- solitus*, *Chiasmolithus*, Site 1072, B5:3
- soucouyantiae*, *Sumatradinium*, Site 1073, A:168
- sphaerica*, *Batiacasphaera*
Site 1071, A:64
Site 1073, A:167–168
- Sphaeroidinbellopsis seminulina*, Site 1073, A:166
- Sphenolithus belemnus*, Site 1073, B5:5
- Sphenolithus heteromorphus*, Site 1073, A:166; B5:5
- Sphenolithus* spp.
Site 1071, A:58–59; B5:3
Site 1072, A:116; B5:4
- Spiniferites pseudofurcatus*, Site 1073, A:168
- Spiniferites* spp.
Site 1071, A:63
Site 1072, A:118–119; B7:6
Site 1073, A:167–168
- spinosa*, *Vulvulina*, Site 1073, A:167
- Stainforthia complanata*, Site 1073, A:167
- Stilostomella paucistriata*, Site 1073, A:167
- Stilostomella* spp., Site 1073, A:167
- subaenariensis*, *Bolivina*, Site 1072, A:118
- Subbotina eocaena*, Site 1073, A:166
- Subbotina venezuelana*, Site 1073, A:166
- subglobosa*, *Globocassidulina*, Site 1073, A:167
- subspiratus*, *Cibicidoides*, Site 1073, A:167
- subtruncana*, *Bulimina*, Site 1073, A:167
- Sumatradinium druggii*, Site 1073, A:168
- Sumatradinium soucouyantiae*, Site 1073, A:168
- suturalis*, *Orbulina*, Site 1072, A:117

Systematophora placantha

- Site 1072, A:119
Site 1073, A:168

T

- tamalis*, *Discoaster*, Site 1073, A:166; B5:5
- tectata*, *Habibacysta*
Site 1071, A:63–64
Site 1072, A:118–119
Site 1073, A:167–168
- Tectatodinium pellitum*
Site 1071, A:63
Site 1072, A:118
Site 1073, A:167–168
- tectatum*, *Apteodinium*, Site 1072, A:119
- tenuicarinata*, *Siphonina*, Site 1073, A:167
- tepiense*, *Bitectatodinium*, Site 1072, A:118; B7:6
- teretis*, *Cassidulina*, Site 1072, A:118
- Textularia agglutinans*
Site 1071, A:63
Site 1072, A:118
- trigonula*, *Triloculina*, Site 1072, A:118
- trilobus*, *Globigerinoides*
Site 1071, A:60
Site 1072, A:117
- Triloculina trigonula*, Site 1072, A:118
- Trinovantedinium glorianum*, Site 1072, A:119
- Trinovantedinium harpagonium*, Site 1071, A:64
- Trinovantedinium papulum*, Site 1071, A:63–64
- truncanus*, *Cibicidoides*, Site 1073, A:167
- truncatulinoides*, *Globorotalia*, Site 1072, A:117
- truncatum*, *Labyrinthodinium*, Site 1073, A:168
- Turborotalia cerroazulensis*, Site 1073, A:166
- tuxpamensis*, *Bulimina*, Site 1073, A:167

U

- umbonatus*, *Oridorsalis*, Site 1073, A:167
- Unipontidinium aquaeductum*, Site 1072, A:119
- universa*, *Orbulina*
Site 1071, A:60
Site 1072, A:117
Site 1073, A:166
- Uvigerina auberiana*, Site 1073, A:167
- Uvigerina havanensis*, Site 1073, A:167
- Uvigerina juncea*
Site 1071, A:63
Site 1072, A:115, 118
- Uvigerina peregrina*, Site 1073, A:164
- Uvigerina semivestita*, Site 1073, A:167
- Uvigerina* spp., Site 1073, A:164

V

- Valvulineria laevigata*, Site 1073, A:167
- vaughani*, *Plectofrondicularia*, Site 1073, A:167
- venezuelana*, *Subbotina*, Site 1073, A:166
- Vulvulina mexicana*, Site 1073, A:167
- Vulvulina spinosa*, Site 1073, A:167

W*woodi*, *Globigerina*

Site 1071, A:60

Site 1072, A:117

wuellerstorfi, *Planulina* cf., Site 1073, A:167**Z***zoharyi*, *Polysphaeridium*

Site 1071, A:63

Site 1072, A:118–119

Site 1073, A:167–168

zones (with letter prefixes)

CN1, Site 1073, A:166

CN2, Site 1073, B5:5

CN3, Site 1073, A:166

CN4, Site 1073, A:166

CN5b, Site 1072, A:117

CN11, A:117, 166

CN13b, Site 1072, A:116

CN14, Site 1072, A:116

CN14a, A:58, 116, 166; B5:4

CN14b, Site 1073, A:166

CN15, Site 1073, A:166

CP15, Site 1073, A:166

DN1, Site 1073, A:168

DN2, Site 1073, A:168

DN2–DN4, Site 1073, A:168

DN3, Site 1073, A:168

DN3–DN8, Site 1073, A:168

DN5, A:64, 168

DN6, A:64–65, 168

DN7, Site 1071, A:64

DN8, Site 1071, A:63–64

DN9, A:63–64, 168

N11, Site 1071, A:63

P1, Site 1072, B7:5

P2, B7:5

P3, B7:5

Zygrhablithus bijugatus, Site 1073, A:166