

INDEX TO VOLUME 171B

This index covers both the *Initial Reports* and *Scientific Results* portions of Volume 171B of the *Proceedings of the Ocean Drilling Program*. References to page numbers in the *Initial Reports* are preceded by "A" with 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. 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 1049, for example, is given as "Site 1049, A:47-91."

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

- acoustic anisotropy
 - vs. depth, A:162, 306
 - See also sonic logs
- age vs. depth
 - Site 1049, A:70
 - Site 1050, A:120-121, 133
 - Site 1051, A:190; B7:18
 - Site 1052, A:275; B7:19
 - Site 1053, A:327
- Albian
 - biomagnetostratigraphy, A:134
 - biostratigraphy, A:59-69, 263-280; B3:1-12
 - black shale, A:75-77
 - correlation, B9:13
 - lithologic units, A:55, 59, 112-116, 257-259
 - magnetic polarity subchron, B9:6-7
 - magnetostratigraphy, A:71, 280; B9:10
 - Oceanic Anoxic Event 1b, B Introduction:2-3
 - paleobathymetry, A:6
 - paleolatitude, A:280, 282
 - photograph, A:58, 258
 - Rock-Eval data, A:81, 285
 - See also Aptian-Albian interval; Aptian/Albian boundary
- Albian, lower, black shale event, B10:5, 7
- Albian-Cenomanian interval, magnetostratigraphy, B8:8
- alkalinity
 - pore water, A:77, 143, 207, 209-210, 285, 334
 - vs. depth, A:84, 147, 217, 296, 341
- aluminum
 - sediments, B4:4-5
 - vs. depth, B4:8
 - See also barium/aluminum ratio; chromium/aluminum ratio; copper/aluminum ratio; iron/aluminum ratio; lead/aluminum ratio; magnesium/aluminum ratio; molybdenum/aluminum ratio; nickel/aluminum ratio; phosphorus/aluminum ratio; potassium/aluminum ratio; rubidium/aluminum ratio; thorium/aluminum ratio; titanium/aluminum ratio; uranium/aluminum ratio; vanadium/aluminum ratio; zinc/aluminum ratio; zirconium/aluminum ratio
- ammonites
 - lithologic units, A:116, 257-258
 - photograph, A:259
- ammonium
 - pore water, A:77, 209, 286, 334
 - vs. depth, A:84, 147, 217, 341
- anisotropy. See acoustic anisotropy
- anoxic environment
 - deposition, A:260, 262
 - lithologic units, A:59, 116-118
 - synthesis, A:354-355
 - See also Atlantic-Tethys oceanic anoxic event 1b; dysoxic environment; Oceanic Anoxic Event 1b; Oceanic Anoxic Event 1d
- apatite, lithologic units, A:114, 258

Aptian

- biostratigraphy, A:59–69; B3:1–12
- lithologic units, A:55, 59
- Oceanic Anoxic Event 1b, B Introduction:2–3
- ooze, A:5–6
- paleobathymetry, A:6
- See also* Clansayesian; Gargasian
- Aptian–Albian interval, splice makeup, A:78
- Aptian/Albian boundary
 - lithologic units, A:59
 - magnetostratigraphy, B9:6–7
- Aptian–Eocene interval, magnetostratigraphy, B9:1–58
- aragonite shell, photograph, A:259
- Atlantic Ocean N subtropical, Cretaceous–Paleogene, B10:1–22
- Atlantic Ocean NW
 - geology, A:5–10
 - paleoclimatology, B Introduction:1–11
- Atlantic Ocean, subtropical, Eocene biostratigraphy, B6:1–25
- Atlantic–Tethys oceanic anoxic event 1b, magnetic polarity subchron, B9:6–7
- authigenesis, geochemistry, A:287
- authigenic minerals, lithologic units, A:257–258

B

- Bahamas. *See* Blake–Bahama Basin; Florida–Bahama Platform
- barium
 - sediments, B4:4–5
 - vs. depth, B4:10, 13
- barium/aluminum ratio
 - sediments, B4:5
 - vs. depth, B4:12
- barrel sheets, cores, A:108–109
- Barremian
 - deposition, A:260
 - geology, A:5–10
 - limestone, A:6
 - paleobathymetry, A:6
- Bartonian
 - correlation, B9:15–16
 - magnetostratigraphy, A:199, 275; B9:10, 12
- bedding. *See* chaotic bedding; convolute bedding; cross bedding; flaser bedding
- belemnites, lithologic units, A:258
- bentonite, photograph, A:110
- biochronology, Late Cretaceous–Paleogene, B9:20–21
- bioclastics. *See* grainstone, bioclastic
- bioclasts
 - lithologic units, A:258–259
 - photograph, A:261–262
- bioerosion features, lithologic units, A:100
- biogenic component, lithologic units, A:59
- biohorizons, planktonic foraminifers, A:62
- biomagnetostratigraphy
 - Paleocene, A:199–203
 - sediments, A:71, 132–134, 199–203
- biostratigraphic evolution, coccolith size, B7:8
- biostratigraphy

- Eocene, B7:1–28
- latest middle to late Eocene, B6:1–25
- Middle Cretaceous, B3:1–12
- Site 1049, A:59–70
- Site 1050, A:118–132
- Site 1051, A:188–196
- Site 1052, A:262–274
- Site 1053, A:325–329
- summary, A:61, 119, 189, 264–265, 326
- biotite
 - deposition, A:324–325
 - lithologic units, A:257–259
- bioturbation
 - deposition, A:262, 324–325
 - lithologic units, A:53–55, 98–112, 114–116, 181–183, 246, 250–251, 253, 256–258
 - photograph, A:59, 103, 111, 179, 256
 - See also* borings; burrows; *Chondrites*; ichnofossils; mottling; spreiten; trace fossils
- bivalves, lithologic units, A:116, 257–258
- black shale
 - deposition, A:260, 262
 - lithologic units, A:54–55, 59, 75–77, 102–116, 256–258
 - Oceanic Anoxic Event 1d, B Introduction:3–4
 - photograph, A:60, 117, 258
 - Rock-Eval data, A:81
- black shale event, early Albian, B10:5, 7
- Blake Escarpment, reflectors, A:6
- Blake Nose
 - Eocene volcanic ash layers, B8:1–10
 - geochemistry, A:209–210; B1:1–10
 - geologic history, A:357–360
 - geology, A:5–10
 - magnetostratigraphy, B9:1–58
 - mid-Cretaceous planktonic foraminifers, B3:1–12
 - stable isotope stratigraphy, B5:1–14
 - strontium isotopes, B2:1–17
- Blake Plateau, geology, A:5–10
- Blake Spur. *See* Blake Nose
- Blake–Bahama Basin
 - Hatteras Formation, A:77
 - Rock-Eval data, A:285
- bolide impact, Cretaceous/Tertiary boundary, A:9
- borings, photograph, A:251
- boron
 - pore water, A:77, 144, 209, 286
 - vs. depth, A:84, 147, 217, 296
- bromine, vs. depth, B4:10
- bulk density logs
 - vs. depth, A:165, 234, 313, 318
 - See also* density
- burrows
 - lithologic units, A:53–55, 98–101, 105, 180–181, 246, 250–251, 253, 256–257, 324
 - photograph, A:54, 58, 104–106, 112–113, 115, 184, 188, 251–252, 254–256
 - See also* mottling; spreiten; spreiten piping
- burrows, spreiten, lithologic units, A:186

C

- calcispheres
 lithologic units, A:257–258
 photograph, A:116, 257
 See also packstone, calcisphere
- calcite
 geochemistry, sediments, B4:4–5
 See also sandstone, calcite–cemented quartz foraminifer
- calcite, low-magnesium, vs. depth, B4:7, 14–26
- calcium
 pore water, A:77, 143, 207–210, 285–287, 334
 vs. depth, A:84, 147, 217, 296, 341; B4:8
 See also strontium/calcium ratio
- caliper logs, vs. depth, A:164–165, 233–234, 313, 315
- Campanian
 biomagnetostratigraphy, A:134
 correlation, B9:14
 erosional surfaces, A:6
 magnetostratigraphy, B8:8; B9:7
 paleolatitude, A:9
 sediments, A:107
- Campanian, upper
 lithologic units, A:54, 101–112, 116
 photograph, A:57–58, 112
- Campanian/Maastrichtian boundary, correlation, B9:14
- Cape Fear Formation, deposition, A:260
- carbon, total, sediments, A:79, 140–142, 144, 213–215, 284–285, 290–292, 332–333, 339
- carbon, total inorganic, sediments, A:79, 142, 144, 213–215, 290–292, 339
- carbon, total organic
 sediments, A:75–77, 79, 140–142, 144, 206, 213–215, 290–292, 339
 vs. depth, A:83, 141, 143, 212, 215, 293
 vs. hydrocarbons, A:83
 vs. nitrogen, A:215
- carbon isotopes
 stable isotope stratigraphy, B5:1–14
 vs. depth, B5:7
- carbonate content
 sediments, A:75, 79, 139–141, 213–215; B1:5–10
 vs. depth, A:80, 141, 143, 177, 212, 293, 338
- carbonate grains
 lithologic units, A:181–183, 258–259
 photograph, A:187–188
- carbonate platforms
 fluid flow, B2:2–3
 lithologic units, A:59
- carbonates
 lithologic units, A:259–260, 262
 strontium isotopes, B2:6
- cement. *See* sandstone, calcite–cemented quartz foraminifer
- cementation, sediments, A:152
- Cenomanian
 biostratigraphy, A:263–280; B3:1–12
 correlation, B9:13
 lithologic units, A:112–116, 257–258
 magnetostratigraphy, B9:10
 mass accumulation rates, A:274
 Oceanic Anoxic Event 1d, B Introduction:3–4
 paleolatitude, A:280, 282
 Rock-Eval data, A:285
 See also Albian–Cenomanian interval
- Cenomanian/Maastrichtian unconformity, seismic reflectors, A:294
- Cenomanian/Turonian boundary
 biostratigraphy, B3:3
 paleoclimatology, B Introduction:4
 photograph, A:110
- Cenozoic, lower, geology, A:5–10
- cerium, vs. depth, B4:10
- chalk
 photograph, A:110, 113, 250
 See also clasts, chalk
- chalk, calcareous
 lithologic units, A:251
 photograph, A:116, 249
- chalk, clayey nannofossil
 lithologic units, A:54–55, 59, 101, 181–183, 251, 253
 photograph, A:113, 115
- chalk, clayey siliceous, lithologic units, A:100
- chalk, diatomaceous nannofossil, lithologic units, A:100
- chalk, foraminifer
 lithologic units, A:246, 250–251
 photograph, A:251
- chalk, foraminifer nannofossil, photograph, A:111
- chalk, massive, photograph, A:110
- chalk, nannofossil
 lithologic units, A:53–55, 59, 99–103, 112, 175, 179, 180–181, 246, 250–251, 253
 photograph, A:54, 57–58, 113
- chalk, nannofossil foraminifer, lithologic units, A:101
- chalk, siliceous nannofossil
 lithologic units, A:100, 175, 179, 181–183, 323–324
 photograph, A:104, 187–188
- chalk, zeolitic nannofossil, lithologic units, A:246, 250
- chaotic bedding, photograph, A:57
- chert
 lithologic units, A:52–53, 100, 246, 250
 See also claystone, cherty; nodules, chert
- chloride
 pore water, A:77, 143, 207, 285–287, 333–334
 vs. depth, A:84, 147, 217, 296, 341
- chlorite, thorium vs. potassium, A:167
- Chondrites*
 deposition, A:260, 262
 lithologic units, A:53, 55, 101, 114, 116, 180–181, 186, 251, 253, 257, 324
- chroma, vs. depth, A:177–179
- chromaticity, sediments, A:136–139
- chromium
 sediments, B4:4–5
 vs. depth, B4:10
- chromium/aluminum ratio
 sediments, B4:4
 vs. depth, B4:12
- chromium/zirconium ratio
 sediments, B4:4–5
 vs. depth, B4:13

- Chron C13r
correlation, B9:16
magnetostratigraphy, A:330; B9:1–58
- Chron C15r
correlation, B9:16
magnetostratigraphy, A:275, 330; B9:12
- Chron C16n, magnetostratigraphy, A:199, 275, 330; B9:12
- Chron C16n.1r, magnetostratigraphy, A:275
- Chron C16r
correlation, B9:16
magnetostratigraphy, A:199, 330; B9:12
- Chron C17n
correlation, B9:15–16
magnetostratigraphy, A:199, 330; B9:10, 12
- Chron C17n.1r, magnetostratigraphy, A:199, 275
- Chron C17n.2r, magnetostratigraphy, A:275
- Chron C17r
correlation, B9:16
magnetostratigraphy, A:330; B9:10
- Chron C18n
correlation, B9:15–16
magnetostratigraphy, A:199; B9:12
- Chron C18n.1r, magnetostratigraphy, A:275
- Chron C18r, magnetostratigraphy, A:275; B9:12
- Chron C19n
correlation, B9:15
magnetostratigraphy, A:71, 134, 199; B9:8–9, 11–12
- Chron C19r
correlation, B9:15–16
magnetostratigraphy, A:134; B9:8–9, 11
- Chron C20n
correlation, B9:15
magnetostratigraphy, A:71, 134, 199; B9:8
- Chron C20r
correlation, B9:15
magnetostratigraphy, A:71, 134, 199; B9:8
- Chron C21n
correlation, B9:15
magnetostratigraphy, A:199; B9:8
- Chron C21r
correlation, B9:15
magnetostratigraphy, A:71, 199
- Chron C22n
correlation, B9:15
magnetostratigraphy, A:71, 134, 199; B9:8–10
- Chron C22r, magnetostratigraphy, A:71, 134
- Chron C23n, magnetostratigraphy, A:71
- Chron C23r, correlation, B9:15
- Chron C24n, magnetostratigraphy, A:71, 199
- Chron C24r
correlation, B9:15
magnetostratigraphy, A:134, 199; B9:7–9
- Chron C25n
correlation, B9:15
magnetostratigraphy, A:71, 134, 199; B9:7–8, 10
- Chron C25r, magnetostratigraphy, A:199; B9:7–8, 10
- Chron C26n
correlation, B9:15
magnetostratigraphy, A:71; B9:7–8, 10
- Chron C26r
correlation, B9:14
magnetostratigraphy, A:134; B9:11
- Chron C27n
correlation, B9:14
magnetostratigraphy, A:71, 134; B9:7–9, 11
- Chron C27r, magnetostratigraphy, B9:9, 11
- Chron C28n, magnetostratigraphy, A:71, 203; B9:11
- Chron C28r
correlation, B9:14
magnetostratigraphy, A:134; B9:11
- Chron C29n
correlation, B9:14
magnetostratigraphy, B9:7, 10–11
- Chron C29r
correlation, B9:14
magnetostratigraphy, A:71; B9:7–8, 10–11
- Chron C30n, magnetostratigraphy, A:71
- Chron C30r, magnetostratigraphy, A:71, 134; B9:7, 10
- Chron C31n, magnetostratigraphy, A:134; B9:7, 10
- Chron C31r, magnetostratigraphy, A:134; B9:7
- Chron C32n, magnetostratigraphy, B9:7
- Chron C33n, magnetostratigraphy, A:134; B9:7–8
- Chron C34, magnetostratigraphy, A:71
- Chron C34n
correlation, B9:13
magnetostratigraphy, A:134; B9:8
- Chron M"-2r"
Albian magnetic polarity subchron, B9:6–7
correlation, B9:13
magnetostratigraphy, B9:1–58
- Chron "M-3," magnetostratigraphy, A:280
- chronostratigraphy, vs. magnetic polarity, A:75, 138, 204
- chrons
magnetostratigraphy, A:329–330; B9:22–26
sediments, A:199–203
vs. depth, A:72–75, 135–138, 200–204, 276–281, 331–333
zones, A:275–282
See also Cretaceous Long Normal Polarity Chron
- Clansayesian, biostratigraphy, B3:2
- clasts
lithologic units, A:54, 104–105
See also bioclasts; conglomerate, clay-clast
- clasts, chalk, photograph, A:110
- clasts, clay
photograph, A:110–111
sediments, A:107
- clasts, clay rip-up, lithologic units, A:105
- clasts, claystone
lithologic units, A:103
photograph, A:110
- clasts, intraformational mud, photograph, A:185
- clasts, mud, photograph, A:115
- clay
lithologic units, A:53–55, 59, 112, 180–181, 246, 251, 253
photograph, A:106, 113–114, 249, 257
See also chalk, clayey nannofossil; chalk, clayey siliceous; clasts, clay; clasts, clay rip-up; conglomerate, clay-clast; limestone, clayey; ooze, clay nannofossil foraminifer; ooze, clayey; siltstone, clayey; spiculite, clayey

- clay, nannofossil
 lithologic units, A:54–55, 59
 photograph, A:58
- clay, smectitic, photograph, A:179
- clay minerals
 thorium vs. potassium, A:167, 235
See also illite; montmorillonite; smectite
- clay seams, photograph, A:114
- claystone
 clinof orm stacks, A:5–6
 lithologic units, A:112–116, 180–181, 250
 photograph, A:110, 116
See also clasts, claystone
- claystone, calcareous
 lithologic units, A:100–101, 251, 256–258
- claystone, calcareous nannofossil, lithologic units, A:100–101
- claystone, cherty, lithologic units, A:250
- claystone, laminated, photograph, A:110
- claystone, nannofossil
 lithologic units, A:100–101, 251
 photograph, A:106, 252
- claystone, porcellanitic calcareous, lithologic units, A:250
- claystone, siliceous
 lithologic units, A:181–183
 photograph, A:187–188
- claystone, silty, lithologic units, A:113–116, 256–259
- clinof orm stacks, sediments, A:5–6
- cobbles. *See* conglomerate, soft-mud-cobble
- coccolith size, biostratigraphic evolution, B7:8
- color
 vs. depth, A:139, 208–210, 286–287, 334–337, 355
See also chroma; chromaticity; hue
- color banding, photograph, A:186
- color cycles
 core–core integration, A:205
 correlation, A:183–187
- compaction, lithologic units, A:257–258
- composite section
 core–core integration, A:282–283
 lithologic units, A:53, 99, 205, 249
- compressional wave velocity
 discrete measurements, A:89, 154, 162, 212, 215, 227, 304–305, 344
 sediments, A:78–80, 146–147, 149, 153–154, 289, 292–293, 334–336
 vs. bulk density, A:89, 156, 163, 306, 345
 vs. depth, A:85, 89, 149, 155, 162, 220, 298, 306, 345
- compressional wave velocity, discrete measurement, vs. depth, A:228
- compressional wave velocity, uncorrected, vs. bulk density, A:228
- conglomerate, clay-clast
 lithologic units, A:103
 photograph, A:110
- conglomerate, soft-mud-cobble, photograph, A:252
- Coniacian
 biomagnetostratigraphy, A:134
 lithologic units, A:103, 105
 photograph, A:111–112
- sediments, A:107
See also Turonian–Coniacian interval; Turonian/Coniacian boundary
- convolute bedding
 lithologic units, A:112, 116
 photograph, A:184, 187
- copper
 sediments, B4:4–5
 vs. depth, B4:9
- copper/aluminum ratio
 sediments, B4:4
 vs. depth, B4:12
- core–core integration
 magnetic susceptibility, A:71–73, 134, 136–137, 139
 Site 1049, A:71–73
 Site 1050, A:134–139
 Site 1051, A:203, 205
 Site 1052, A:282–283
 Site 1053, A:330
- core–log comparison, physical properties, A:225–226, 301–302
- correlation
 color cycles, A:183–187
 Eocene volcanic ash layers, B8:1–10
 lithologic units, A:53, 102, 178
 magnetostratigraphy, B9:28
 volcanic ash, A:175–176
- Cretaceous
 biologic evolution, A:9
 biostratigraphy, A:118–132
 geology, A:5–10
 magnetostratigraphy, A:71
 paleoceanography, B10:1–22
 paleoclimatology, B Introduction:1–11
See also Albian; Aptian; Aptian–Albian interval; Aptian/Albian boundary; Campanian; Campanian/Maastrichtian boundary; Cenomanian; Cenomanian/Maastrichtian unconformity; Cenomanian/Turonian boundary; Coniacian; Cretaceous Long Normal Polarity Chron; Cretaceous/Paleogene boundary; Cretaceous/Tertiary boundary; Maastrichtian; Santonian; stable Cretaceous pole; Turonian; Turonian/Coniacian boundary
- Cretaceous, Lower, biostratigraphy, B3:6–8, 11
- Cretaceous, Middle
 correlation, B9:13
 planktonic foraminifers, B3:1–12
- Cretaceous, Upper
 magnetic polarity time scale, B9:20–21
 magnetostratigraphy, B8:8
- Cretaceous/Paleogene boundary
 paleobathymetry, A:6
 paleoceanography, B Introduction:4–5
 photograph, A:106
See also Cretaceous/Tertiary boundary
- Cretaceous/Tertiary boundary
 correlation, B9:14
 extinction, A:9
 impacts, B10:9–10
 inorganic geochemistry and mineralogy, B4:1–26

lithologic units, A:53–54, 59, 116–118, 251, 253
 magnetostratigraphy, A:71; B9:7, 11
 photograph, A:56
 section compilation, A:359
 seismic reflectors, A:294
 synthesis, A:357
See also Cretaceous/Paleogene boundary
 Cretaceous Long Normal Polarity Chron, magnetostratigraphy, A:71; B8:8
Criboecentrum, biostratigraphy, B7:3
 cross bedding
 lithologic units, A:259
 photograph, A:184, 260–261
 cross laminations
 lithologic units, A:116
 photograph, A:111, 117, 186
 cyclic events
 deposition, A:262
See also Milankovitch orbital cycles; orbital cycles

D

Danian
 correlation, B9:14
 magnetostratigraphy, A:203; B9:10
 mass accumulation rates, A:273–274
 paleoclimatology, B10:16–17
 datums
 calcareous nannofossils, A:118, 121, 190, 266, 327
 planktonic foraminifers, A:122, 126, 191, 267, 329
 debris flows
 lithologic units, A:103
 photograph, A:110
 deep waters
 Cretaceous–Paleogene, A:7
 mid-Maastrichtian reversal, A:355–357
See also Warm Saline Deep Water hypothesis
 deformation. *See* soft sediment deformation
 deformation structures, lithologic units, A:181–183
 deltaic environment, lithologic units, A:260
 demagnetization, overprints, B9:3–4
 demagnetization, thermal, sediments, A:274–275, 329; B9:19
 density, core–core integration, A:282–283, 330
 density, bulk
 discrete vs. log, A:239
 vs. compressional wave velocity, A:89, 156, 161, 163, 306, 345
 vs. depth, A:88–89, 152, 225, 301, 343
 vs. uncorrected compressional wave velocity, A:228
See also bulk density logs
 density, discrete bulk, comparison with GRAPE bulk density, A:226
 density, dry, vs. depth, A:88, 152, 161, 225, 301, 343
 density, grain, vs. depth, A:88, 152, 161, 225, 301, 343
 density, GRAPE and discrete bulk, vs. depth, A:153
 density, GRAPE bulk
 comparison with discrete bulk density, A:226
 core–core integration, A:71–73, 134, 136–137, 139
 sediments, A:78–79, 145–146, 152, 210, 287, 334–335

vs. depth, A:84, 89, 148, 153, 158, 162, 218, 226, 282, 297, 303, 342, 344
 density logs. *See* bulk density logs
 deposition, bioturbation, A:324–325
 diagenesis
 nannoconids, A:70
See also authigenesis; cementation; compaction; lithification; recrystallization
 diamictons, lithologic units, A:105
 diatomite, nannofossil, lithologic units, A:100
 diatoms
 lithologic units, A:246, 323
 photograph, A:188
See also chalk, diatomaceous nannofossil
Dictyococcites, biostratigraphy, B7:3
 dinoflagellates, biostratigraphy, B6:1–25
 discontinuities
 accumulation rates, A:196
 mass accumulation rates, A:273–274
 Paleocene/Eocene boundary, A:69
 photograph, A:110
 dolomite
 geochemistry, A:287; B4:4–5, 14–26
 lithologic units, A:257–258
 vs. depth, B4:7
 downhole measurements
 Site 1050, A:154
 Site 1051, A:217–226
 Site 1052, A:295–302
See also well-logging
 dysoxic environment
 deposition, A:260, 262
See also anoxic environment

E

Earth conductivity logs, vs. depth, A:166, 236, 314
 Earth magnetic field logs, vs. depth, A:166, 236, 314
 effective overburden pressure. *See* shear strength/effective overburden pressure ratio
 ejecta, photograph, A:56
 elements, vs. depth, A:145, 294, 339
 Eocene
 biomagnetostratigraphy, A:133–134, 199
 biostratigraphy, A:59–69, 188–199, 263–278, 325–330; B7:1–28
 correlation, B9:15
 lithologic units, A:175, 179–181, 246–250, 323–324
 magnetostratigraphy, B8:8
 ooze, A:6
 paleoceanography, B Introduction:6–7
 volcanic ash layer correlation, B8:1–10
See also Aptian–Eocene interval; Bartonian; Lutetian; Paleocene/Eocene boundary; Paleocene/Eocene unconformity; Priabonian; Thanetian; Ypresian
 Eocene, lower, lithologic units, A:51–53, 99–100
 Eocene, lower–middle, magnetostratigraphy, B9:7–9
 Eocene, middle
 lithologic units, A:51, 98–99
 magnetostratigraphy, B9:12–13
 mass accumulation rates, A:273–274

stable isotope stratigraphy, B5:1–14
Eocene, middle–upper
 biostratigraphy, B6:1–25
 magnetic susceptibility, A:355
 magnetostratigraphy, A:329–330, 356; B9:11–12
 mass accumulation rates, A:329
Eocene–Paleocene interval, magnetostratigraphy, A:281
erosional surfaces, Campanian, A:6
ethane
 sediments, A:73–75, 139–141, 205, 283–284, 330, 332
 vs. depth, A:140
 See also methane/ethane ratio
ethylene, sediments, A:139–141, 283–284

F

fabric, deposition, A:262
faults
 lithologic units, A:112
 See also microfaults
faults, conjugate, photograph, A:114
faults, subparallel, photograph, A:114
fecal pellets, lithologic units, A:186
fecal pellets, pyritic, photograph, A:188
feldspar, lithologic units, A:113–118, 258
firmgrounds
 lithologic units, A:180–181, 246, 250
 photograph, A:182
 See also hardgrounds
fish debris
 lithologic units, A:246, 258
 photograph, A:249
flaser bedding, photograph, A:188
Florida Escarpment, fluid flow, B2:2–3
Florida–Bahama Platform, fluid flow, B2:2–3
fluid flow
 carbonate platforms, B2:2–3
 strontium isotopes, B2:3–4
folds
 lithologic units, A:253
 See also slump folds
foraminifers
 lithologic units, A:51–54, 101, 103–105, 112–116,
 179, 246, 257–258, 323
 photograph, A:111, 115, 249–250, 252
 See also chalk, foraminifer; chalk, foraminifer nanno-
 fossil; chalk, nannofossil foraminifer; miliolids;
 ooze, clay nannofossil foraminifer; ooze, fora-
 minifer; packstone, foraminifer; porcellanite, si-
 licified foraminifer; sandstone, calcite-cemented
 quartz foraminifer
foraminifers, benthic
 biostratigraphy, A:126, 129, 191, 195, 267, 273, 327
 distribution, A:275
 samples, A:69, 129, 195, 329
 stable isotope stratigraphy, B5:1–14
foraminifers, planktonic
 biohorizons, A:62
 biostratigraphy, A:121–126, 190–191, 263, 265–266,
 325–327
 datums, A:122, 126, 191, 267, 329

 distribution, A:63–67, 123–125, 127–128, 192–194,
 268–272, 328
 Middle Cretaceous, B3:1–12
 stable isotope stratigraphy, B5:1–14
framboids, lithologic units, A:257–258
France SE, deposition, A:262

G

gamma-ray logs, vs. depth, A:164–165, 233–234, 313,
315
gamma rays
 core–core integration, A:282–283
 sediments, A:78, 146, 152, 210, 289
 vs. depth, A:86, 149, 159, 220, 298
Gargasian, biostratigraphy, B3:2
gases, headspace, composition, A:78, 141, 143, 211, 289,
338
gases, sediments, A:73–75, 139–141, 205, 283–284, 330,
332
gastropods, lithologic units, A:257–258
general circulation models, temperature, A:7–8
geochemistry, inorganic
 Cretaceous/Tertiary boundary, B4:1–26
 Site 1049, A:77
 Site 1050, A:141, 143–145
 Site 1051, A:206–210
 Site 1052, A:285–287
 Site 1053, A:333–334
geochemistry, organic
 Site 1049, A:73–77
 Site 1050, A:139–141
 Site 1051, A:205–206
 Site 1052, A:283–285
 Site 1053, A:330–333
glass. *See* volcanic ash, vitric; volcanic glass
glauconite
 lithologic units, A:182, 257–258
 photograph, A:186
 thorium vs. potassium, A:167
grainstone, bioclastic, lithologic units, A:258–259
grainstone, lithic, lithologic units, A:258–259
grainstone, peloid, lithologic units, A:258–259
grainstone, photograph, A:260–262

H

hardgrounds
 lithologic units, A:55, 100, 102–112, 246, 250
 photograph, A:57, 104, 110, 112, 251
 See also firmgrounds
hardgrounds, iron-phosphate, sediments, A:107
hardgrounds, phosphate, lithologic units, A:116–118
Hatteras Formation
 Blake–Bahama Basin, A:77
 Rock-Eval data, A:285
Hauterivian
 deposition, A:260
 paleolatitude, A:9
heat flow
 sediments, A:232

- Site 1051, A:216–217
 Site 1053, A:339
- heavy minerals
 lithologic units, A:114–116, 258
 photograph, A:257
- hemipelagic environment
 deposition, A:262
 lithologic units, A:112, 116–118
- hiatuses
 accumulation rates, A:196
 Campanian, A:6
 magnetostratigraphy, A:134
 mass accumulation rates, A:273–274
 photograph, A:110
- Holocene, lithologic units, A:51
- hue, vs. depth, A:177–179
- hydrocarbon index, Albian black shale, A:76–77, 81
- hydrocarbons
 vs. total organic carbon, A:83
See also ethane; ethylene; methane; methane/hydrocarbons ratio; propane; propylene
- hydrogen
 Rock-Eval data, A:285
 sediments, A:140–141, 144, 206, 213–215, 284–285, 290–292, 332–333, 339
- hydrogen index
 Albian black shale, A:76–77, 81
 Rock-Eval data, A:285
 vs. oxygen index, A:294
- hydrography, Cretaceous–Paleogene, A:7
- I**
- ichnofossils, lithologic units, A:181–183
- illite, thorium vs. potassium, A:167
- impacts. *See* bolide impact
- index properties, sediments, A:78–79, 87, 146–147, 150–151, 153, 160, 210–212, 221–224, 289, 292, 299–300, 335–336, 342
- induction. *See* resistivity logs, deep induction phasor
- iodine, vs. depth, B4:10
- iron
 sediments, B4:4–5
 vs. depth, B4:8
See also hardgrounds, iron-phosphate
- iron oxides, photograph, A:57, 104, 115
- iron/aluminum ratio, vs. depth, B4:11
- Isea polarity zone, magnetostratigraphy, A:71
- K**
- K/T boundary. *See* Cretaceous/Tertiary boundary
- kerogen
 lithofacies, A:75, 81
 oxygen index vs. hydrogen index, A:294
 Rock-Eval data, A:285
- L**
- laminations
 lithologic units, A:54, 102–116, 181–183
 photograph, A:59–60, 113, 117, 258
See also claystone, laminated; cross laminations
- laminations, current-induced, lithologic units, A:116
- laminations, inclined, photograph, A:186
- laminations, wavy, photograph, A:182
- lanthanum, vs. depth, B4:10
- late Paleocene thermal maximum
 deep waters, A:8
 transitions, B10:10
- lead/aluminum ratio, vs. depth, B4:12
- limestone
 Barremian, A:6
 lithologic units, A:112
 photograph, A:114, 255
See also grainstone; packstone
- limestone, clayey, lithologic units, A:258
- limonite
 geochemistry, B4:4–5
 photograph, A:56
- lithification, sediments, A:152
- lithium
 pore water, A:77, 144, 208–210, 286–287, 334
 vs. depth, A:84, 147, 217, 296, 341, 357
- lithofacies
 kerogen-rich and kerogen-lean subfacies, A:81
 photograph, A:80
- Lithologic Unit II, photograph, A:179
- Lithologic Unit III, photograph, A:183
- Lithologic Unit IV, photograph, A:186–188
- Lithologic Unit IVA, photograph, A:254, 256
- Lithologic Unit IVB, photograph, A:254, 256
- Lithologic Unit V, photograph, A:110–111, 113
- Lithologic Unit VA, photograph, A:257
- Lithologic Unit VB, photograph, A:258–259
- Lithologic Unit VC, photograph, A:259–262
- Lithologic Unit VI, photograph, A:110, 113–115, 117
- lithologic units, correlation
 Sites 1049 and 390, A:53
 Sites 1050 and 1049, A:102
 Sites 1050 and 1051, A:178
- lithologic units, summary
 Site 1049, A:51–52
 Site 1050, A:97–98, 100–101
 Site 1051, A:173–176
 Site 1052, A:245–262
 Site 1053, A:323–324
 Unit I, A:51, 97–100, 246, 323–324
 Unit II, A:51–53, 100, 246–250
 Unit III, A:53–54, 100, 250
 Unit IV, A:55, 59, 100–101, 250, 253–256
 Unit V, A:102–112, 256–259
 Unit VI, A:112–116
- lithology, seismic lines, A:311
- lithostratigraphy
 Site 1049, A:50–59
 Site 1050, A:96–118
 Site 1051, A:173–188
 Site 1052, A:245–262
 Site 1053, A:323–325
 synthesis, A:351–353
- Logging Unit 1, sediments, A:220, 224, 296, 298

Logging Unit 2, sediments, A:224, 298
Logging Unit 3, sediments, A:224–225, 298
Logging Unit 4, sediments, A:225, 298
Logging Unit 5, sediments, A:298, 300
Logging Unit 6, sediments, A:300–301
logging units, sediments, A:295–296, 298, 300–301
longshore bars, photograph, A:260–261
low resolution susceptibility logs, vs. depth, A:236
Lutetian
 correlation, B9:15
 magnetostratigraphy, A:199
 See also Ypresian/Lutetian boundary

M

M-1 polarity interval, magnetostratigraphy, A:71
M-2 polarity interval, magnetostratigraphy, A:71
M-3 polarity interval, magnetostratigraphy, A:71, 134
Maastrichtian
 biomagnetostratigraphy, A:134
 biostratigraphy, A:59–69, 263–278
 correlation, B9:14
 geology, A:5–10
 lithologic units, A:251–256
 magnetostratigraphy, A:71; B9:7, 10
 mass accumulation rates, A:273–274
 paleoceanography, B Introduction:4–5
 paleolatitude, A:9
 See also Campanian/Maastrichtian boundary; Cenomanian/Maastrichtian unconformity; mid-Maastrichtian reversal
Maastrichtian, lower
 lithologic units, A:51–54
 photograph, Site 1049, A:57
Maastrichtian, middle, extinctions, B10:9
Maastrichtian, upper
 lithologic units, A:54, 101, 116–118
 microfaults, A:55
 photograph, A:55–56
magnesium
 pore water, A:77, 143, 208–210, 285–287, 334
 sediments, B4:4–5
 vs. depth, A:84, 147, 217, 296, 341; B4:8
magnesium/aluminum ratio
 sediments, B4:4
 vs. depth, B4:11
magnetic inclination
 paleolatitude, A:280, 282
 vs. depth, A:276–280, 331–332
magnetic polarity
 directions and polarity ratings of chrons, B9:29–58
 magnetostratigraphy, A:71, 134, 196, 199–203, 275–282, 329–330
 polarity ratings, B9:4–6
 vs. depth, A:276–280, 331–333
 vs. Paleogene chronostratigraphy, A:75, 138, 204
 See also M-1 polarity interval; M-2 polarity interval; M-3 polarity interval; stable Cretaceous pole
magnetic polarity time scale, Late Cretaceous–Paleogene, B9:20–21
magnetic polarity zones, biomagnetostratigraphy, A:71

magnetic susceptibility
 core–core integration, A:71–73, 134, 136–137, 139, 205, 282–283, 330
 Eocene, A:355
 log vs. core, A:237–238, 317
 Paleocene, A:357
 sediments, A:78, 146, 152–153, 210, 287–289
 vs. depth, A:76–77, 85, 139, 148, 158, 208–209, 219, 286–288, 297, 334–337, 342, 355
 See also low resolution susceptibility logs
magnetic susceptibility logs
 vs. depth, A:166, 169, 236–238, 314, 317
 See also low resolution susceptibility logs
magnetostratigraphy
 Aptian–Eocene, B9:1–58
 correlation, B9:28
 Eocene–Paleocene interval, A:281
 middle–upper Eocene, A:356
 sediments, A:70–71, 132–134
 vs. depth, A:72–74, 135–137, 200–203, 276–280, 331–333
 zones, A:275–282
 See also biomagnetostratigraphy; chrons; M-1 polarity interval; M-2 polarity interval; M-3 polarity interval
major elements
 sediments, B4:4–5, 17, 19, 21–23
 vs. depth, B4:8
manganese
 sediments, B4:4–5
 vs. depth, B4:8
 See also nodules, manganese; nodules, manganese oxide
manganese oxide
 lithologic units, A:51, 180
 photograph, A:54
marker beds, Eocene volcanic ash layer correlation, B8:5–7
marl, phosphatic, middle Miocene, A:6
marlstone, photograph, A:259
Maryland, deposition, A:260
mass accumulation rates
 sediments, A:190, 196, 273–274, 329
 See also sedimentation rates
mass movements, photograph, A:115
mega-cross-bedding. *See* cross bedding
Mesozoic
 paleomagnetism, A:8–9
 See also Barremian; Hauterivian
methane
 sediments, A:73–75, 139–141, 205, 283–284, 330, 332
 vs. depth, A:140, 143, 212, 289, 338
methane/ethane ratio, vs. depth, A:140
methane/hydrocarbons ratio, vs. depth, A:143
mica
 lithologic units, A:114, 118, 258
 thorium vs. potassium, A:167
 See also biotite
microfaults
 lithologic units, A:116
 photograph, A:55, 113

See also faults
microfaults, reverse, photograph, A:185–186
micronodules. *See also* nodules
micronodules, pyrite, lithologic units, A:52–53
mid-Maastrichtian reversal, deep waters, A:355–357
Milankovitch orbital cycles
 magnetic polarity subchron, B9:7
 Paleogene, A:8–9
See also cyclic events; orbital cycles
miliolids, photograph, A:261–262
mineralogy, Cretaceous/Tertiary boundary, B4:1–26
minor elements, vs. depth, B4:9–10, 22–23
Miocene, middle, phosphatic marl, A:6
molybdenum
 sediments, B4:4–5
 vs. depth, B4:10
molybdenum/aluminum ratio, vs. depth, B4:12
montmorillonite, thorium vs. potassium, A:167
mottling, lithologic units, A:53–55, 98–100, 246, 324
mud. *See* clasts, intraformational mud; clasts, mud; conglomerate, soft-mud-cobble
mud-pebble layers, lithologic units, A:116

N

nannoconids, diagenesis, A:70
nannofossils
 lithologic units, A:100, 112–116, 181–183, 257
 photograph, A:187–188, 250, 252
 See also chalk, clayey nannofossil; chalk, diatomaceous nannofossil; chalk, foraminifer nannofossil; chalk, nannofossil; chalk, nannofossil foraminifer; chalk, siliceous nannofossil; chalk, zeolitic nannofossil; clay, nannofossil; claystone, calcareous nannofossil; claystone, nannofossil; coccolith size; ooze, clay nannofossil foraminifer; ooze, foraminifer nannofossil; ooze, siliceous nannofossil; siltstone, nannofossil; volcanic ash, nannofossil
nannofossils, calcareous
 biostratigraphy, A:118–121, 188–190, 263, 325; B7:1–28
 datums, A:118, 121, 190, 266, 327; B7:22–23
 range chart, B7:20–21
 stratigraphic distribution, B7:16–17
neodymium, vs. depth, B4:10
neritic environment, lithologic units, A:259–260, 262
nickel
 sediments, B4:4–5
 vs. depth, B4:10
nickel/aluminum ratio, vs. depth, B4:12
niobium, vs. depth, B4:9
nitrogen
 sediments, A:79, 140–142, 144, 205–206, 213–215, 284–285, 290–292, 332–333, 339
 vs. depth, A:215
 vs. total organic carbon, A:215
Niveau Breistroffer, deposition, A:262
nodules. *See also* micronodules
nodules, chert, lithologic units, A:246, 250
nodules, manganese, lithologic units, A:246

nodules, manganese oxide, lithologic units, A:97–98, 175, 179–181, 323
nodules, phosphate, lithologic units, A:51
nodules, pyrite
 lithologic units, A:59
 photograph, A:117
North American Plate, paleomagnetic poles, A:6
North Carolina, deposition, A:260

O

obliquity, Milankovitch cycles, B9:7
ocean circulation, Cretaceous–lower Cenozoic, A:7
Oceanic Anoxic Event 1b, deposition, B Introduction:2–3
Oceanic Anoxic Event 1d, deposition, A:262; B Introduction:3–4
offsets, boreholes, A:76, 140, 206, 283, 334
ooze, Aptian, A:5–6
ooze, calcareous
 lithologic units, A:51–54, 246
 photograph, A:250
ooze, clay nannofossil foraminifer, lithologic units, A:246
ooze, clayey
 lithologic units, A:246, 323
 photograph, A:249
ooze, foraminifer, lithologic units, A:246, 323
ooze, foraminifer nannofossil, lithologic units, A:51–54
ooze, nannofossil
 lithologic units, A:51–54, 98–99, 175, 179–181, 246, 323–324
 photograph, A:57, 250
ooze, siliceous nannofossil
 lithologic units, A:98–100, 175, 179–180, 246, 323–324
 photograph, A:103
orbital cycles
 precession, A:357
 See also cyclic events; Milankovitch orbital cycles; precession
organic debris, lithologic units, A:113–116
organic matter, Rock-Eval data, A:75–77, 294
overburden pressure. *See* shear strength/effective overburden pressure ratio
overprints, demagnetization, B9:3–4
oxygen index
 Albian black shale, A:76–77, 81
 vs. hydrogen index, A:294
oxygen isotopes
 stable isotope stratigraphy, B5:1–14
 vs. depth, B5:6

P

packstone, calcisphere, lithologic units, A:257
packstone, foraminifer, lithologic units, A:253, 256
paleobathymetry, Cretaceous, A:6
paleoceanography
 Cretaceous, B10:1–22
 Cretaceous–lower Cenozoic, A:7
Paleocene

- biomagnetostratigraphy, A:134, 199–203
- biostratigraphy, A:59–69, 188–199, 263–278
- correlation, B9:14
- lithologic units, A:51–53, 181–183, 246–251
- magnetic susceptibility, A:357
- magnetostratigraphy, A:71; B9:1–58
- paleoceanography, B Introduction:5–6
- See also* Danian; Eocene–Paleocene interval; late Paleocene thermal maximum; Selandian
- Paleocene, lower
 - lithologic units, A:51–55, 100–101
 - magnetostratigraphy, B9:11
- Paleocene, upper
 - lithologic units, A:100
 - mass accumulation rates, A:273–274
- Paleocene/Eocene boundary
 - paleoceanography, B Introduction:5–6
 - paleoclimatology, B10:10–13
 - sedimentation rates, A:69, 275
 - synthesis, A:357
- Paleocene/Eocene unconformity, seismic reflectors, A:294
- paleoclimatology
 - Cretaceous, B10:1–22
 - Cretaceous–lower Cenozoic, A:7–9; B Introduction:1–11
 - late middle Eocene, B5:3–4
 - Paleogene, B10:1–22
- paleodepth, benthic foraminifers, A:70
- Paleogene
 - biologic evolution, A:9
 - chronostratigraphy vs. magnetic polarity, A:75, 138, 204, 333
 - geology, A:5–10
 - magnetic polarity time scale, B9:20–21
 - paleoceanography, B10:1–22
 - paleoclimatology, B Introduction:1–11; B10:1–22
 - paleomagnetism, A:8–9
 - See also* Cretaceous/Paleogene boundary
- paleolatitude
 - Cretaceous–Paleogene, A:9; B9:13
 - late Aptian–late Eocene, B9:27
 - magnetostratigraphy, A:280, 282
 - polarity ratings, B9:4–6
- paleomagnetism
 - Paleogene, A:8–9
 - Site 1049, A:70–71
 - Site 1050, A:132–134
 - Site 1051, A:196, 199–203
 - Site 1052, A:274–282
 - Site 1053, A:329–330
- palynomorphs, biostratigraphy, B6:1–25
- pebbles. *See* mud-pebble layers
- pelagic environment, lithologic units, A:59, 259–260, 262
- peloids
 - photograph, A:261–262
 - See also* grainstone, peloid
- pH
 - pore water, A:143, 209, 285, 334
 - vs. depth, A:84, 147, 217, 296, 341
- phasor. *See* resistivity logs, deep induction phasor
- phosphate. *See* hardgrounds, iron-phosphate; hardgrounds, phosphate; marl, phosphatic; nodules, phosphate
- phosphorus
 - sediments, B1:1–10; B4:4–5
 - vs. depth, B4:8, 13
 - See also* yttrium/phosphorus ratio
- phosphorus/aluminum ratio, sediments, B4:5
- photoelectric effect logs, vs. depth, A:165, 234, 313
- Phycoides*, lithologic units, A:55, 180–181, 253, 257
- physical properties
 - core–log comparison, A:225–226, 301–302
 - Site 1049, A:77–81
 - Site 1050, A:145–154
 - Site 1051, A:210–216
 - Site 1052, A:287–295
 - Site 1053, A:334–339
- Planolites*
 - lithologic units, A:101, 114, 180–181, 251, 253, 256–257, 324
 - photograph, A:254
- plate motions
 - Cretaceous–Tertiary, A:282
 - paleolatitude, B9:13
 - paleomagnetism, A:8–9
- plate tectonics. *See* spreading rates
- Pleistocene
 - biostratigraphy, A:59–69, 188–199, 263–280, 325–329
 - lithologic units, A:51, 97–98, 175, 179, 246, 323
- porcellanite. *See also* claystone, porcellanitic calcareous
- porcellanite, silicified foraminifer
 - lithologic units, A:180–181
 - photograph, A:179, 182
- pore water
 - geochemistry, A:77, 83, 141, 143–146, 216, 285–287, 295, 333–334, 340; B2:1–17; B4:4–5
 - synthesis, A:353–354
- porosity
 - core–core integration, A:282–283
 - vs. depth, A:88, 152, 161, 225, 301, 343
 - vs. transverse resistivity, A:91, 157, 230, 309, 347
 - See also* void ratio
- porosity logs, vs. depth, A:165, 234, 313, 319
- potassium
 - pore water, A:77, 143, 208–210, 286–287, 334
 - vs. depth, A:84, 147, 217, 296, 341; B4:8
 - vs. thorium, A:167, 235, 316
- potassium/aluminum ratio
 - sediments, B4:4
 - vs. depth, B4:11
- potassium logs, vs. depth, A:164, 233, 315
- Potomac Group, deposition, A:260
- precession
 - Milankovitch cycles, B9:7
 - orbital cycles, A:357
- pressure, effective overburden. *See* shear strength/effective overburden pressure
- Priabonian
 - correlation, B9:16
 - magnetostratigraphy, B9:12

Priabonian, lower, magnetostratigraphy, A:275
 propane, sediments, A:283–284
 propylene, sediments, A:283–284
 pyrite
 lithologic units, A:51, 98–101, 114–116, 180–181,
 246, 251, 257–259, 323
 photograph, A:111, 117
 See also fecal pellets, pyritic; framboids; micronodules,
 pyrite; nodules, pyrite

Q

quartz
 geochemistry, B4:4–5, 14–26
 lithologic units, A:114, 258–259
 photograph, A:257
 vs. depth, B4:7
 See also sandstone, calcite-cemented quartz foraminif-
 fer; silt, quartz

R

radiolarians
 abundance and preservation, A:133, 197–198, 273–
 274, 330
 biostratigraphy, A:129–132, 195–196, 266–267, 327,
 329
 distribution, A:130–131
 lithologic units, A:246, 323
 radiolarite, clayey, photograph, A:188
 recrystallization
 geochemistry, A:287
 strontium, B2:6
 red algae, photograph, A:261–262
 reduction halos, lithologic units, A:104
 reefs, buried, transects, A:5–6
 reflectance
 sediments, A:136–139
 vs. depth, A:139
 remanent magnetization, natural
 paleolatitude, A:280, 282
 sediments, A:70–71, 132–134, 196, 199–203
 resistivity
 discrete measurements, A:90, 157, 230, 308, 346
 sediments, A:80, 149, 216, 293, 334–336, 338
 resistivity logs, deep induction phasor, vs. depth, A:165,
 234, 313
 resistivity logs, vs. depth, A:234
 resistivity, transverse
 vs. depth, A:91, 157, 230, 309, 346
 vs. porosity, A:91, 157, 230, 309, 347
Reticulofenestra, biostratigraphy, B7:3
 ripple marks, photograph, A:260
 rubidium
 pore water, A:77, 143–144, 208–210, 286–287, 334
 sediments, B4:4–5
 vs. depth, A:84; B4:9, 147, 217, 296, 341
 rubidium/aluminum ratio
 sediments, B4:4
 vs. depth, B4:11
 rubidium/strontium ratio

sediments, B4:4–5
 vs. depth, B4:13

S

salinity
 pore water, A:77, 285–287, 333
 vs. depth, A:84, 147, 217, 296, 341
 Salisbury Embayment, deposition, A:260
 sandstone, calcite-cemented quartz foraminifer, litho-
 logic units, A:256–257
 sandstone, clinofom stacks, A:5–6
 Santonian
 lithologic units, A:105
 paleolatitude, A:9
 photograph, A:112
 sediments, A:107
 sapropel
 lithofacies, A:75–77, 81
 Rock-Eval data, A:285
 scandium, vs. depth, B4:10
 sedimentary structures, lithologic units, A:181–183
 sedimentation rates
 biostratigraphy, A:69–70, 132; B7:8
 deposition, A:262
 Eocene volcanic ash layer correlation, B8:5–7
 middle Eocene, A:6
 Paleocene/Eocene boundary, A:69
 See also mass accumulation rates
 sediments
 clinofom stacks, A:5–6
 geochemistry, B4:1–26
 phosphorus geochemistry, B1:1–10
 strontium isotopes, B2:5
 sediments, dark gray laminated, stratigraphic position,
 A:358
 seismic lines, major lithologic features, A:311
 seismic profiles, A:353
 seismic reflectors, interval velocity, A:293–295
 Selandian
 correlation, B9:14
 magnetostratigraphy, A:199; B9:10
 shear strength, discrete measurements, A:90, 156, 228,
 307, 345
 shear strength, peak, vs. depth, A:90, 156, 229, 307, 346
 shear strength, undrained, sediments, A:80, 149, 215–
 216, 293, 334–336, 338
 shear strength/effective overburden pressure ratio, vs.
 depth, A:90, 156, 229, 308, 346
 shells. *See* ammonites; aragonite shell; belemnites; bi-
 valves; gastropods
 silica
 pore water, A:77, 144, 208–210, 263–280, 286–287,
 334
 vs. depth, A:84, 147, 217, 296, 341
 silica, biogenic, lithologic units, A:324–325
 siliceous microfossils, lithologic units, A:99–101, 175,
 179–181, 246, 323
 siliciclastics, lithologic units, A:114–116, 259–260, 262
 silicon
 sediments, B4:4–5

- vs. depth, B4:8
- silt
 - lithologic units, A:112
 - See also* claystone, silty
- silt, quartz, photograph, A:179, 182
- siltstone, clayey, lithologic units, A:258–259
- siltstone, lithologic units, A:258
- siltstone, nannofossil
 - lithologic units, A:105
 - photograph, A:111
- Site 390, Aptian ooze, A:6
- Site 603, deposition, A:259–260, 262
- Site 1049, A:47–91
 - background and objectives, A:48–49
 - biostratigraphy, A:59–70
 - core–core integration, A:71–73
 - coring, A:50
 - Cretaceous/Tertiary boundary, B4:1–26
 - Eocene volcanic ash layer correlation, B8:4
 - inorganic geochemistry, A:77
 - lithostratigraphy, A:50–59
 - Lower Cretaceous foraminifers, B3:6–8
 - magnetostratigraphy, B9:6–8
 - mid-Cretaceous planktonic foraminifers, B3:1–12
 - operations, A:49–50
 - organic geochemistry, A:73–77
 - paleomagnetism, A:70–71
 - phosphorus, B1:5
 - physical properties, A:77–81
 - site description, A:47–91
 - strontium isotopes, B2:1–17
- Site 1050, A:93–169
 - background and objectives, A:95
 - biostratigraphy, A:118–132
 - core–core integration, A:134–139
 - coring, A:96
 - Cretaceous foraminifers, B3:9–10
 - downhole measurements, A:154
 - Eocene volcanic ash layer correlation, B8:4
 - inorganic geochemistry, A:141, 143–145
 - lithostratigraphy, A:96–118
 - magnetostratigraphy, B9:8–9
 - mid-Cretaceous planktonic foraminifers, B3:1–12
 - operations, A:95–96
 - organic geochemistry, A:139–141
 - paleomagnetism, A:132–134
 - phosphorus, B1:6–7
 - physical properties, A:145–154
 - site description, A:93–169
 - strontium isotopes, B2:1–17
- Site 1051, A:171–239
 - background and objectives, A:172
 - biostratigraphy, A:188–196; B7:1–28
 - core–core integration, A:203, 205
 - coring, A:174
 - downhole measurements, A:217–226
 - Eocene volcanic ash layer correlation, B8:4–5
 - heat flow, A:216–217
 - in-situ temperature, A:216–217
 - inorganic geochemistry, A:206–210
 - lithostratigraphy, A:173–188
 - magnetostratigraphy, B9:9–10
 - operations, A:172–173
 - organic geochemistry, A:205–206
 - paleomagnetism, A:196, 199–203
 - phosphorus, B1:8–9
 - physical properties, A:210–216
 - site description, A:171–239
 - stable isotope stratigraphy, B5:1–14
 - strontium isotopes, B2:1–17
- Site 1052, A:241–319
 - background and objectives, A:243–244
 - biostratigraphy, A:262–274; B7:1–28
 - core–core integration, A:282–283
 - coring, A:245
 - downhole measurements, A:295–302
 - Eocene volcanic ash layer correlation, B8:5
 - inorganic geochemistry, A:285–287
 - lithostratigraphy, A:245–262
 - Lower Cretaceous foraminifers, B3:11–12
 - magnetostratigraphy, B9:10–12
 - mid-Cretaceous planktonic foraminifers, B3:1–12
 - operations, A:244–245
 - organic geochemistry, A:283–285
 - paleomagnetism, A:274–282
 - phosphorus, B1:10
 - physical properties, A:287–295
 - site description, A:241–319
 - strontium isotopes, B2:1–17
- Site 1053, A:321–348
 - background and objectives, A:322
 - biostratigraphy, A:325–329
 - core–core integration, A:330
 - coring, A:322
 - Eocene biostratigraphy, B6:1–25
 - Eocene volcanic ash layer correlation, B8:5
 - heat flow, A:334–339
 - in-situ temperature, A:339
 - inorganic geochemistry, A:333–334
 - lithostratigraphy, A:323–325
 - magnetostratigraphy, B9:12–13
 - operations, A:322–323
 - organic geochemistry, A:330–333
 - paleomagnetism, A:329–330
 - physical properties, A:334–339
 - site description, A:321–348
 - strontium isotopes, B2:1–17
- slickensides, deposition, A:262
- slump folds, photograph, A:113, 184, 255
- slumping
 - deposition, A:262
 - lithologic units, A:101, 116, 253, 256–257
 - photograph, A:56, 114–115, 252–253
 - seismic reflectors, A:294
- smectite
 - geochemistry, A:287
 - See also* clay, smectitic
- sodium
 - pore water, A:77, 143, 285–287, 334
 - vs. depth, A:147, 217, 296, 341; B4:8
- soft sediment deformation
 - lithologic units, A:112

photograph, A:115, 185, 187
 seismic reflectors, A:294
 sonic logs
 comparison of short spacing with long spacing,
 A:168, 312
 See also acoustic anisotropy
 South Carolina, deposition, A:260
 spherically focus logs, vs. depth, A:234, 313
 spherules
 lithologic units, A:53–54
 photograph, A:56, 252
 spiculite, clayey, lithologic units, A:181–183
 splice makeup, Aptian–Albian interval, A:78
 splice tables
 Site 1051, A:207
 Site 1052, A:288
 Site 1053, A:337
 sponge spicules
 lithologic units, A:51–54, 246, 323
 photograph, A:188
 spreading rates, paleomagnetism, A:8–9
 spreiten
 lithologic units, A:256
 See also burrows
 spreiten piping, photograph, A:255
 stable Cretaceous pole, paleolatitude, B9:13
 stable isotopes
 stratigraphy, B5:1–14
 See also carbon isotopes; oxygen isotopes; strontium
 isotopes
 stratigraphy
 stable isotopes, B5:1–14
 summary, A:354
 strontium
 pore water, A:77, 144, 208–209, 286–287, 334
 vs. depth, A:84, 147, 217, 296, 341; B2:6, 12; B4:9
 vs. sediment age, B2:12
 See also rubidium/strontium ratio
 strontium/calcium ratio
 pore water, A:144, 208–209, 334
 sediments, B4:4
 vs. depth, A:147, 217, 263–280, 296, 341; B4:13
 strontium isotopes
 pore water, B2:1–17
 vs. depth, B2:13–14
 vs. reciprocal strontium concentration, B2:15
 sulfate
 pore water, A:144, 208–209, 286, 334
 vs. depth, A:84, 147, 217, 263–280, 296, 341
 sulfur, sediments, A:79, 140–142, 144, 205, 213–215,
 284–285, 290–292, 332–333, 339

T

Teichichmus, lithologic units, A:181, 186, 253, 257, 324
 tektites, altered, photograph, A:56
 temperature
 general circulation models, A:7–8
 vs. depth, A:232
 vs. time, A:231
 temperature, downhole, sediments, A:301

temperature, in-situ
 ADARA tool measurements, A:347
 sediments, A:231
 Site 1051, A:216–217
 Site 1053, A:339
 vs. depth, A:348
 temperature, sea-surface, history, A:7–8
 terrigenous component, lithologic units, A:112
 Tertiary
 biostratigraphy, A:118–132
 See also Cretaceous/Tertiary boundary
 Tethys. *See* Atlantic–Tethys oceanic anoxic event 1b
Thalassinoides?, lithologic units, A:256
 Thanetian
 correlation, B9:15
 magnetostratigraphy, B9:10
 thermal conductivity
 discrete measurements, A:91, 157, 231, 309, 347
 sediments, A:81, 151, 216, 293, 338
 vs. depth, A:91, 158, 231, 310, 347
 thorium
 vs. depth, B4:9
 vs. potassium, A:167, 235, 316
 See also uranium/thorium ratio
 thorium logs, vs. depth, A:164, 233, 315
 thorium/aluminum ratio
 sediments, B4:4
 vs. depth, B4:11
 titanium
 sediments, B4:4–5
 vs. depth, B4:8
 titanium/aluminum ratio
 sediments, B4:4–5
 vs. depth, B4:11
 tourmaline, lithologic units, A:114, 257–258
Towetus, biostratigraphy, B7:3
 trace elements, sediments, B4:4–5
 trace fossils, lithologic units, A:55
 traveltime, two-way, calculated from major lithologic fea-
 tures, A:310
 turbidites, deposition, A:260
 Turonian
 magnetostratigraphy, B8:8
 sediments, A:107
 See also Cenomanian/Turonian boundary
 Turonian, upper, lithologic units, A:102–105, 107, 110–
 112
 Turonian–Coniacian interval, magnetostratigraphy, B8:8
 Turonian/Coniacian boundary, photograph, A:110

U

unconformities
 seismic reflectors, A:294
 See also disconformities; erosional surfaces; hiatuses;
 Paleocene/Eocene unconformity
 uranium
 sediments, B4:4–5
 vs. depth, B4:9
 uranium/aluminum ratio
 sediments, B4:4

vs. depth, B4:12
 uranium/thorium ratio, vs. depth, B4:13
 uranium logs, vs. depth, A:164, 233, 315

V

vanadium
 sediments, B4:4–5
 vs. depth, B4:10
 vanadium/aluminum ratio
 sediments, B4:4
 vs. depth, B4:12
 veins, lithologic units, A:257–258
 velocity
 sediments, A:210
See also compressional wave velocity
 velocity, interval
 calculated from discrete compressional wave velocity,
 A:310
 seismic reflectors, A:293–295
 Vocontian Basin, deposition, A:262
 void ratio
 vs. depth, A:88, 152, 161, 225, 301, 343
See also porosity
 volcanic ash
 correlation, A:175–176
 deposition, A:324–325
 geochemistry, A:287
 lithologic units, A:118, 323
 volcanic ash, nannofossil, lithologic units, A:51–54
 volcanic ash, vitric, photograph, A:103–104
 volcanic ash layers
 correlation, B8:1–10
 summary, A:324
 volcanic glass
 deposition, A:324–325
 lithologic units, A:100
 photograph, A:111
 sediments, A:107
 volcanoclastics, geochemistry, A:209

W

Warm Saline Deep Water hypothesis, paleobathymetry,
 A:6
 water content, vs. depth, A:88, 152, 161, 225, 301, 343
 weathering, geochemistry, A:287
 well log units, sediments, A:220, 224–225
 well-logging

operations, A:232, 311
 Site 1050, A:154
 Site 1051, A:217–226
 Site 1052, A:295–302
See also core-log comparison; downhole measure-
 ments; logging units; low resolution susceptibil-
 ity logs; spherically focus logs
 winnowing, deposition, A:262

X

X-ray fluorescence data, sediments, B4:4–5

Y

Ypresian
 correlation, B9:15
 magnetostratigraphy, A:199; B9:10
 Ypresian/Lutetian boundary, magnetostratigraphy, B9:9–
 10
 yttrium, vs. depth, B4:9
 yttrium/phosphorus ratio, sediments, B4:5

Z

zeolites
 lithologic units, A:180–181, 246, 250–251, 257–258
See also chalk, zeolitic nannofossil
 zinc, vs. depth, B4:9
 zinc/aluminum ratio
 sediments, B4:4
 vs. depth, B4:11
 zircon, lithologic units, A:257–258
 zirconium
 sediments, B4:4–5
 vs. depth, B4:9
See also chromium/zirconium ratio
 zirconium/aluminum ratio
 sediments, B4:5
 vs. depth, B4:11
 zirconium/rubidium ratio, sediments, B4:4–5
 Zone P α , lithologic units, A:54
Zoophycos
 lithologic units, A:55, 99–101, 105, 180–181, 246,
 251, 253, 256–257, 324
 photograph, A:104–106, 184, 188, 254–255

TAXONOMIC INDEX

- Abathomphalus mayaroensis*
 Site 1050, A:126
 Site 1052, A:265
- Abathomphalus mayaroensis* Zone
 Site 1050, A:56, 68, 126
 Site 1052, A:265
- acalles*, *Podocyrtis*, Site 1049, A:69
- Acarinina broedermanni*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:191
- Acarinina bullbrookii*
 Site 1049, A:62
 Site 1051, A:190
 Site 1052, A:265
 Site 1053, A:325, 327
- Acarinina collactea*, Site 1053, A:325
- Acarinina mackannai*
 Site 1049, A:68
 Site 1050, A:122
- Acarinina nitida*, Site 1050, A:122
- Acarinina pentacamerata*
 Site 1050, A:122
 Site 1051, A:191
- Acarinina praetopilensis*, Site 1051, B5:2
- Acarinina primitiva*
 Site 1049, A:62
 Site 1053, A:325, 327
- Acarinina soldadoensis*, Site 1049, A:62, 68
- Acarinina* spp., Site 1053, A:325
- Acarinina subsphaerica*, Site 1051, A:191
- Achomosphaera?* sp. A, Site 1053, B6:3, 11
- Achomosphaera/Spiniferites* group, Site 1053, B6:2, 9–10
- aculeatum*, *Homotryblium*, Site 1053, B6:4
- aculeatum*, *Impagidinium* cf. *Impagidinium*, Site 1053, B6:4, 20–21
- aculeus*, *Ceratolithoides*, Site 1050, A:121
- acuta*, *Morozovella*
 Site 1050, A:122
 Site 1051, A:191
- aequa*, *Morozovella*, Site 1051, A:191
- alabamensis*, *Hantkenina*
 Site 1052, A:265
 Site 1053, A:325
- Alabamina* sp. A, Site 1052, A:273
- Alanlordella bentonensis*
 Site 1050, B3:9–10
 Site 1052, B3:11–12
- Alanlordella ultramicra*, Site 1052, B3:11–12
- alazanensis*, *Bulimina*
 Site 1052, A:267
 Site 1053, A:327
- albeari*, *Igorina*, Site 1050, A:122
- albiensis*, *Hayesites*, Site 1050, A:121
- alexanderi*, *Hastigerinelloides*, Site 1050, A:126
- algeriana*, *Dicarinella*, Site 1050, B3:9–10
- algeriana*, *Globigerinelloides*, Site 1049, A:68; B3:2, 5–8
- Allomorphina trochoides*
 Site 1049, A:68
- Site 1052, A:273
- allomorphinoides*, *Quadrimorphina*, Site 1052, A:273
- almadenensis*, *Hedbergella*
 Site 1050, B3:9–10
 Site 1052, B3:11–12
- alveatus*, *Stylotrochus*
 Site 1050, A:132
 Site 1051, A:196
- ambigua*, *Planulina*, Site 1053, A:327
- Ammodiscus* sp., Site 1049, A:69
- ammonoides*, *Gavelinella*, Site 1049, A:69
- ammophila*, *Hanzawaia*, Site 1053, A:327
- amphitrite*, *Lychnocanoma*, Site 1053, A:327
- ampla*, *Podocyrtis*
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:196
- ampla*, *Pterocodon*, Site 1051, A:196
- ancyrea*, *Systematophora*, Site 1053, B6:5, 16–17
- angulata*, *Morozovella*
 Site 1050, A:122
 Site 1052, A:265
- Anomalinoides praespissiformis*, Site 1052, A:273
- Anomalinoides spissiformis*, Site 1053, A:327
- anteclinata*, *Pterocodon?*
 Site 1050, A:132
 Site 1051, A:196
- anthophorous*, *Reinhardtites*, Site 1050, A:121
- appenninica*, *Rotalipora*
 Site 1049, B3:5–8
 Site 1050, A:126; B3:9–10
 Site 1052, A:266; B3:2, 11–12
- aptiensis*, *Globigerinelloides*, Site 1049, B3:6–8
- aragonensis*, *Morozovella*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:190–191
- Aragonia ouezzanensis*, Site 1050, A:126, 129
- Aragonia semireticulata*
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
- Aragonia* spp.
 Site 1050, A:126
 Site 1051, A:191
 Site 1052, A:267
- Aragonia velascoensis*
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
- arca*, *Globo truncana*, Site 1052, A:266
- archaeocretacea*, *Whiteinella*
 Site 1049, B3:5–8
 Site 1050, B3:9–10
- Archaeospongoprimum* sp. cf. *Archaeospongoprimum rumseyensis*, Site 1050, A:132
- archeocompressa*, *Globanomalina*, Site 1050, A:122
- Areoligera?* sp. A, Site 1053, B6:3, 14–15

Aeosphaeridium diktyoplokum, Site 1053, B6:3, 14–15
armadillo, *Dictyopora*, Site 1053, A:327
Aspidolithus parvus constrictus
 Site 1050, A:121
 Site 1052, A:263
atlantica, *Globotruncanita*, Site 1050, A:126
azyx, *Cryptocarpium*, Site 1053, A:327

B

balbis, *Spongatractus*
 Site 1050, A:132
 Site 1051, A:196
baltica, *Whiteinella*, Site 1050, B3:9–10
bandyca, *Calocyclus*
 Site 1052, A:266
 Site 1053, A:327
barbadiensis, *Discoaster*, Site 1052, B7:28
bartonensis, *Cerebrocysta*, Site 1053, B6:3, 12–13
Batiacasphaera compta, Site 1053, B6:3, 14–15
beaumonti, *Buliminella*
 Site 1049, A:68
 Site 1051, A:195
 Site 1052, A:273
beccariiiformis, *Gavelinella*
 Site 1049, A:68–69
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
beckmanni, *Orbulinoides*
 Site 1051, A:190
 Site 1052, A:265
bejaouaensis, *Ticinella*, Site 1049, A:68; B3:2, 5–8
Bekoma bitardensis
 Site 1050, A:132
 Site 1051, A:196
Bekoma bitardensis Zone
 Site 1050, A:132
 Site 1051, A:196
 Site 1052, A:267
Bekoma bitardensis/*Bekoma campechensis* zonal boundary,
 Site 1051, A:196
Bekoma campechensis
 Site 1050, A:132
 Site 1051, A:196
 Site 1052, A:267
Bekoma campechensis Zone
 Site 1050, A:132
 Site 1051, A:196
 Site 1052, A:267
Bekoma(?) demissa robusta, Site 1050, A:132
bellum, *Lychnocanoma*
 Site 1051, A:196
 Site 1052, A:266
 Site 1053, A:327
bentonensis, *Alanlordella*
 Site 1050, B3:9–10
 Site 1052, B3:11–12
bidens, *Chiasmolithus*, Site 1051, A:190
Biscutum spp., Site 1049, A:62
bisectus, *Dictyococcites*

Site 1050, A:118
 Site 1051, A:189; B7:26
 Site 1053, A:325
 Sites 1051–1052, B7:8–9
bitardensis, *Bekoma*
 Site 1050, A:132
 Site 1051, A:196
Biticinella breggiensis
 Site 1049, B9:6
 Site 1050, A:126; B3:2, 9–10
 Site 1052, A:266; B3:11–12
Biticinella cf. *breggiensis*, Site 1052, B3:11–12
Blowiella sp., Site 1049, B3:7
Boldia? sp., Site 1049, A:68
Bolivina byramensis, Site 1053, A:327
Bolivina sp. (slender), Site 1053, A:327
Bolivinoidea delicatulus
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
Bolivinoidea paleocenica, Site 1052, A:273
bollii, *Ellipsolithus*, Site 1052, A:263
Braarudosphaera spp., Site 1049, A:62
bramlettei, *Tibrachiatus*, Site 1051, B7:27
breggiensis, *Biticinella*
 Site 1049, B9:6
 Site 1050, A:126; B3:2, 9–10
 Site 1052, A:266; B3:11–12
breggiensis, *Biticinella* cf., Site 1052, B3:11–12
brevisulcatum, *Impagidinium*, Site 1053, B6:4
broedermanni, *Acarinina*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:191
bromia, *Thyrsocyrtis*, Site 1053, A:327
brotzeni, *Rotalipora*
 Site 1050, A:126
 Site 1052, A:266
Bulimina alazanensis
 Site 1052, A:267
 Site 1053, A:327
Bulimina glomarchallengeri, Site 1053, A:327
Bulimina grata spinosa
 Site 1052, A:267
 Site 1053, A:327
Bulimina impendens
 Site 1052, A:267
 Site 1053, A:327
Bulimina macilenta
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:267
 Site 1053, A:327
Bulimina semicostata
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:267
Bulimina sp., Site 1051, A:195

Bulimina sp. cf. *Bulimina semicostata*

Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1053, A:327

Bulimina sp. (triangular), Site 1052, A:273*Bulimina spinea*

Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195

Bulimina thanetensis

Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195

Bulimina trinitatensis

Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:273
 Site 1053, A:327

Bulimina tuxpamensis

Site 1051, A:195
 Site 1052, A:267
 Site 1053, A:327

Bulimina velascoensis, Site 1049, A:68*Buliminella beaumonti*

Site 1049, A:68
 Site 1051, A:195
 Site 1052, A:273

Buliminella grata

Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:273

bullbrooki, *Acarinina*

Site 1049, A:62
 Site 1051, A:190
 Site 1052, A:265
 Site 1053, A:325, 327

Buryella clinata

Site 1050, A:132
 Site 1051, A:196

Buryella clinata Zone

Site 1050, A:132
 Site 1051, A:196

Buryella pentadica

Site 1050, A:132
 Site 1051, A:196
 Site 1052, A:267

Buryella tetradica

Site 1050, A:129, 132
 Site 1051, A:196
 Site 1052, A:267

buxtorfi, *Planomalina*

Site 1049, B3:5–8
 Site 1050, A:126, 132; B3:9–10
 Site 1052, A:266; B3:2, 11–12

byramensis, *Bolivina*, Site 1053, A:327

C

calcarata, *Radotruncana*, Site 1049, A:68*Calcidiscus protoannulus*, Site 1052, B7:24*callosus*, *Toweius*, Site 1051, B7:24*Calocyclus bandyca*

Site 1052, A:266
 Site 1053, A:327

Calocyclus bandyca Zone

Site 1052, A:266
 Site 1053, A:327

Calocyclus hispada

Site 1049, A:69
 Site 1052, A:266
 Site 1053, A:327

Calocyclus turris

Site 1052, A:266
 Site 1053, A:327

Calocyclomma castrum

Site 1049, A:69
 Site 1050, A:132

campanula, *Heteraulacacysta*, Site 1053, B6:4, 18–19*campechensis*, *Bekoma*

Site 1050, A:132
 Site 1051, A:196
 Site 1052, A:267

Campylosphaera dela, Site 1051, B7:24*Campylosphaera eodela*, Site 1051, B7:24*capitata*, *Gavelinella*

Site 1050, A:126
 Site 1052, A:267
 Site 1053, A:327

Cassidium fragile, Site 1053, B6:3, 24–25*castrum*, *Calocyclomma*

Site 1049, A:69
 Site 1050, A:132

Catapsydrax dissimilis, Site 1051, A:190*caucasica*, *Morozovella*

Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:190

cenomana, *Guembelitra*

Site 1050, A:126; B3:9–10
 Site 1052, A:266; B3:11–12

cenomana, *Schackoina*

Site 1050, A:126; B3:9–10
 Site 1052, A:266; B3:11–12

cenomana, *Schackoina* aff., Site 1050, B3:9–10*Ceratolithoides aculeus*, Site 1050, A:121*Ceratolithoides kamptnerii*

Site 1049, A:62
 Site 1050, A:120

Cerebrocysta bartonensis, Site 1053, B6:3, 12–13*cerroazulensis*, *Turborotalia*, Site 1051, A:190*chaenapium*, *Entapium*, Site 1050, A:132*chalara*, *Podocyrtilis*

Site 1051, A:195
 Site 1052, A:266–267
 Site 1053, A:327

chapotensis, *Karrieriella*

Site 1050, A:126

- Site 1052, A:267
 Site 1053, A:327
chapmani, Globanomalina, Site 1050, A:122
Charlesdowneia clathrata, Site 1053, B6:3, 18–19
Charltonia? sp., Site 1052, A:273
cheniourensis, Planomalina, Site 1049, B3:2, 5–8
Chiasmolithus bidens, Site 1051, A:190
Chiasmolithus gigas
 Site 1050, A:118
 Site 1051, B7:26
 Site 1052, A:263
Chiasmolithus gigas Subzone, Sites 1051–1052, B7:6
Chiasmolithus grandis
 Site 1051, B7:26
 Site 1053, A:325
Chiasmolithus oamaruensis
 Site 1051, A:189
 Site 1053, A:325
Chiasmolithus oamaruensis Subzone, Site 1052, B7:4
Chiasmolithus solitus, Site 1051, B7:26
Chiloguembelina crinita, Site 1049, A:68
Chiloguembelina midwayensis
 Site 1049, A:68
 Site 1050, A:122
Chiloguembelina wilcoxensis
 Site 1050, A:122
 Site 1051, A:191
chlamydophora, Samlandia, Site 1053, B6:5, 16–17
Cibicidoides dayi
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
Cibicidoides grimsdalei
 Site 1051, A:195
 Site 1052, A:267
 Site 1053, A:327
Cibicidoides hyphalus
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
Cibicidoides laurisanus, Site 1052, A:267
Cibicidoides mexicanus
 Site 1052, A:267
 Site 1053, A:327
Cibicidoides praemundulus
 Site 1051, A:195
 Site 1053, A:327
Cibicidoides subspiratus, Site 1051, A:195
Cibicidoides tuxpamensis
 Site 1050, A:126
 Site 1052, A:267
Cibicidoides velascoensis, Site 1052, A:273
Cibicorbis herricki, Site 1053, A:327
cinctum, Hystrichokolpoma, Site 1053, B6:4
circularis, Xiphosphaera, Site 1050, A:132
cladoides, Dinopterygium, Site 1053, B6:3, 18–19
clathrata, Charlesdowneia, Site 1053, B6:3, 18–19
claytonensis, Woodringina
 Site 1050, A:122
 Site 1052, A:265
clinata, Buryella
 Site 1050, A:132
 Site 1051, A:196
Coccolithus pelagicus, Sites 1051–1052, B7:8
Coccolithus spp., Sites 1051–1052, B7:8–9
Coccolithus starion Subzone, Sites 1051–1052, B7:5
cocoaensis, Turborotalia
 Site 1052, A:265
 Site 1053, A:325
collactea, Acarinina, Site 1053, A:325
colligerum, Diphyes, Site 1053, B6:4, 11
comatum, Phthanoperidinium, Site 1053, B6:5, 24–25
compressa, Globanomalina
 Site 1050, A:122
 Site 1051, A:191
compta, Batiacasphaera, Site 1053, B6:3, 14–15
conicotruncata, Morozovella
 Site 1049, A:68
 Site 1050, A:122
 Site 1051, A:191
conspicuus, Sphenolithus, Site 1051, B7:25
contortus, Rhomboaster, Site 1050, A:119
contortus, Tribrachiatus, Site 1051, B7:27
contusa, Contusotruncana
 Site 1050, A:126
 Site 1052, A:266
Contusotruncana contusa
 Site 1050, A:126
 Site 1052, A:266
Contusotruncana formicata, Site 1052, A:266
Contusotruncana plicata, Site 1052, A:266
coranatus coranatus, Stylosphaera
 Site 1050, A:132
 Site 1051, A:196
Cordosphaeridium gracile, Site 1053, B6:3, 12–13
Cordosphaeridium minimum, Site 1053, B6:3, 12–13
Corolithion kennedyi, Site 1050, A:121
Coronocyclus prionion, Site 1051, B7:24
Coronocyclus sp., Site 1051, B7:27
corpulenta, Globigerina, Site 1051, A:190
Corrudinium incompositum, Site 1053, B6:3, 12–13
coryelli, Pullenia
 Site 1050, A:129
 Site 1051, A:195
Coryphostoma incrassata, Site 1052, A:273
Coryphostoma midwayensis
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
costata, Planulina, Site 1052, A:267
Costellagerina libyca
 Site 1050, A:126; B3:9–10
 Site 1052, A:266; B3:11–12
crassata, Morozovella, Site 1051, B5:2
crassus, Toweius
 Site 1050, A:119
 Site 1051, B7:24
cretacea, Guembelitra
 Site 1049, A:68
 Site 1050, A:122

Cribocentrum reticulatum, Site 1051, B7:26
Cribocentrum spp., Sites 1051–1052, B7:8–9
Cribohantkenina inflata
 Site 1052, A:265
 Site 1053, A:325
Cribopteridinium tenuitabulatum, Site 1053, B6:3, 12–13
crinita, *Chiloguembelina*, Site 1049, A:68
Cromyomma riedeli
 Site 1050, A:132
 Site 1051, A:196
Cruciplacolithus primus, Site 1050, A:119
Cryptocarpium azyx, Site 1053, A:327
Cryptocarpium azyx Zone
 Site 1052, A:266
 Site 1053, A:327
Cryptocarpium ornatum Zone, Site 1053, A:327
cryptocephala, *Theocotyle*
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:169
cryptocephala, *Thyrsocyrtis*, Site 1049, A:69
cunialensis, *Turborotalia*
 Site 1052, A:265
 Site 1053, A:325
cushmani, *Hanzawaia*, Site 1052, A:267
cushmani, *Rotalipora*
 Site 1049, B3:5–8
 Site 1050, A:126; B3:9–10
Cylindralithus oweinii
 Site 1049, A:62
 Site 1052, A:263

D

Dapsilidinium pastielsii, Site 1053, B6:3, 11
Dapsilidinium pseudocolligerum, Site 1053, B6:3, 11
Dapsilidinium simplex, Site 1053, B6:3, 11
dayi, *Cibicidoides*
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
decussata, *Micula*, Site 1052, A:263
deeckeii, *Rotalipora*, Site 1050, A:126; B3:9–10
Deflandrea granulata, Site 1053, B6:3, 18–19
Deflandrea phosphoritica, Site 1053, B6:3, 18–19
dehiscens, *Globoquadrina*, Site 1052, A:263
dela, *Campylosphaera*, Site 1051, B7:24
delicata, *Thalassiphora*, Site 1053, B6:5, 22–23
delicatulus, *Bolivinoidea*
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
 Site 1052, A:273
delrioensis, *Hedbergella*
 Site 1049, A:68
 Site 1050, B3:9–10
 Site 1052, B3:11–12
delrioensis, *Praeglobotruncana*
 Site 1050, B3:9–10
 Site 1052, A:266; B3:11–12
demissa robusta, *Bekoma*(?), Site 1050, A:132

Dentalina spp., Site 1049, A:69
depressus, *Gyroidinoides*
 Site 1052, A:273
 Site 1053, A:327
diamesa, *Podocyrtis*, Site 1049, A:69
diastypus, *Discoaster*, Site 1051, B7:28
Dicarinella algeriana, Site 1050, B3:9–10
Dicarinella hagni, Site 1050, B3:9–10
Dicarinella imbricata, Site 1050, A:126; B3:9–10
Dictyococcites bisectus
 Site 1050, A:118
 Site 1051, A:189; B7:26
 Site 1053, A:325
 Sites 1051–1052, B7:8–9
Dictyococcites spp., Sites 1051–1052, B7:8
Dictyomitra spp.
 Site 1049, A:69
 Site 1052, A:267
Dictyopora armadillo, Site 1053, A:327
Dictyopora mongolfieri
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:196
Dictyopora mongolfieri Zone
 Site 1050, A:129
 Site 1051, A:196
Dictyopora pirum, Site 1052, A:266
digitalis, *Tribrachiatus*, Site 1050, A:119
diktyoplokum, *Areosphaeridium*, Site 1053, B6:3, 14–15
Dinopterygium cladoides, Site 1053, B6:3, 18–19
Diphyes colligerum, Site 1053, B6:4, 11
Discoaster barbadiensis, Site 1052, B7:28
Discoaster barbadiensis Zone, Site 1052, B7:4
Discoaster bifax Subzone, Sites 1051–1052, B7:5
Discoaster binodosus Subzone, Site 1051, B7:7
Discoaster cf. *nodifer*, Site 1051, B7:28
Discoaster diastypus, Site 1051, B7:28
Discoaster diastypus Zone, Site 1051, B7:7
Discoaster kuepperi Subzone, Site 1051, B7:6
Discoaster lodoensis
 Site 1051, B7:28
 Site 1052, A:263
Discoaster lodoensis Zone, Site 1051, B7:7
Discoaster multiradiatus, Site 1051, B7:28
Discoaster multiradiatus Zone, Site 1051, B7:7–8
Discoaster saipanensis
 Site 1051, B7:28
 Site 1053, A:325
Discoaster saipanensis Subzone, Sites 1051–1052, B7:5
Discoaster strictus Subzone, Sites 1051–1052, B7:6
Discoaster sublodoensis
 Site 1051, B7:28
 Site 1052, A:263; B7:9
Discoaster sublodoensis Zone, Site 1051, B7:6
dispertitum, *Impagidinium*, Site 1053, B6:4, 20–21
dissimilis, *Catapsydrax*, Site 1051, A:190
Distatodinium ellipticum, Site 1053, B6:4, 11
dorus, *Podocyrtis*
 Site 1050, A:129
 Site 1051, A:196
dumblei, *Hantkenina*

Site 1050, A:122

Site 1051, A:190

Site 1052, A:265

E*edita*, *Eoglobigerina*, Site 1051, A:191*editus*, *Sphenolithus*, Site 1051, B7:25*Eiffelithus eximius*, Site 1050, A:121*Ellipsolithus bollii*, Site 1052, A:263*Ellipsolithus macellus*

Site 1050, A:119

Site 1052, A:263

ellipticum, *Distatodinium*, Site 1053, B6:4, 11*eminens*, *Toweius*, Site 1051, B7:24*Enneadocysta multicornuta*, Site 1053, B6:4, 14–15*Entapium chaenapium*, Site 1050, A:132*Entapium regulare*, Site 1052, A:267*eocaenica*, *Pullenia*

Site 1051, A:195

Site 1052, A:267

Site 1053, A:327

Eocladopyxis tessellata, Site 1053, B6:4, 18–19*eodela*, *Campylosphaera*, Site 1051, B7:24*Eoglobigerina edita*, Site 1051, A:191*Eouvigerina subsculptura*, Site 1052, A:273*Ericsonia formosa*, Site 1051, B7:24*Ericsonia robusta*, Site 1051, B7:26*eugubina*, *Parvularugoglobigerina*

Site 1050, A:56, 68, 122

Site 1052, A:265

Eusyringium fistuligerum

Site 1049, A:69

Site 1050, A:129, 132

Site 1051, A:196

Site 1052, A:266

Site 1053, A:329

Eusyringium lagena

Site 1049, A:69

Site 1050, A:129

Site 1051, A:196

excavatus, *Tristix*, Site 1049, A:69*eximius*, *Eiffelithus*, Site 1050, A:121**F***fabaeforme chaunothorax*, *Lamptonium*, Site 1051, A:196*fabaeforme constrictum*, *Lamptonium*, Site 1050, A:129*fabaeforme fabaforme*, *Lamptonium*

Site 1050, A:129, 132

Site 1051, A:169

Fasciculithus tympaniformis

Site 1051, B7:27

Site 1052, A:263

Favusella washitensis, Site 1052, A:266; B3:11–12*ferreolensis*, *Globigerinelloides*, Site 1049, A:68; B3:2, 5–8*ficus*, *Theocotylissa*, Site 1049, A:69*filosa*, *Turbiosphaera*, Site 1053, B6:6, 12–13*fistuligerum*, *Eusyringium*

Site 1049, A:69

Site 1050, A:129, 132

Site 1051, A:196

Site 1052, A:266

Site 1053, A:329

florealis, *Nuttallinella*, Site 1052, A:273*floripes*, *Homotryblium*, Site 1053, B6:4, 18–19*formosa*, *Ericsonia*, Site 1051, B7:24*formosa*, *Morozovella*

Site 1049, A:62

Site 1050, A:122

Site 1051, A:190–191

fornicata, *Contusotruncana*, Site 1052, A:266*fragile*, *Cassidium*, Site 1053, B6:3, 24–25*frequens*, *Nephrolithus*, Site 1050, A:120*fructifera*, *Racemiguembelina*

Site 1050, A:126

Site 1052, A:265

fulgens, *Nannotetrina*, Site 1052, A:263*furcatolithoides*, *Sphenolithus*

Site 1051, B7:25

Site 1052, B7:9

furcatus, *Marthasterites*, Site 1050, A:121**G***gammation*, *Toweius*, Site 1051, B7:24*gandolfi*, *Rotalipora*

Site 1050, B3:3, 9–10

Site 1052, B3:11–12

Gansserina falsostuarti Zone

Site 1049, A:68

Site 1050, A:126

Gansserina gansseri Zone

Site 1049, A:68

Site 1050, A:126

Site 1052, A:266

gartneri, *Quadrum*, Site 1050, A:121*Gaudryina pyramidata*, Site 1052, A:273*Gavelinella ammonoides*, Site 1049, A:69*Gavelinella beccariiformis*

Site 1049, A:68–69

Site 1050, A:129

Site 1051, A:195

Site 1052, A:273

Gavelinella capitata

Site 1050, A:126

Site 1052, A:267

Site 1053, A:327

Gavelinella intermedia, Site 1049, A:69*Gephyrocapsa caribbeanica* Subzone, Site 1049, A:60*gibba*, *Praeglobotruncana*, Site 1050, B3:9–10*gigas*, *Chiasmolithus*

Site 1050, A:118

Site 1051, B7:26

Site 1052, A:263

girardanus, *Gyroidinoides*

Site 1052, A:267

Site 1053, A:327

Glaphyrocysta intricata, Site 1053, B6:4, 14–15*Globanomalina archeocompressa*, Site 1050, A:122*Globanomalina chapmani*, Site 1050, A:122*Globanomalina compressa*

- Site 1050, A:122
Site 1051, A:191
Globanomalina pseudomenardii
Site 1050, A:122
Site 1051, A:191
Globigerina corpulenta, Site 1051, A:190
Globigerina praeturritilina, Site 1051, A:190
Globigerina senni, Site 1049, A:62
Globigerinatheka index, Site 1051, A:190
Globigerinatheka mexicana
Site 1049, A:62
Site 1051, A:190; B5:2
Globigerinatheka subconglobata, Site 1051, A:190
Globigerinatheka subconglobata micra, Site 1049, A:62
Globigerinelloides algeriana, Site 1049, A:68; B3:2, 5–8
Globigerinelloides algeriana Total Range Zone, Site 1049, A:68; B3:2, 5–8
Globigerinelloides aptiensis, Site 1049, B3:6–8
Globigerinelloides ferreolensis, Site 1049, A:68; B3:2, 5–8
Globigerinelloides ferreolensis Interval Zone, Site 1049, B3:2, 6–8
Globigerinelloides spp., Site 1049, A:68
Globigerinoides mitra, Site 1052, A:263
Globigerinoides sacculifer, Site 1052, A:263
Globocassidulina punctata, Site 1053, A:327
Globocassidulina subglobosa
Site 1049, A:68
Site 1050, A:126
Site 1051, A:195
Site 1052, A:267
Site 1053, A:327
Globocassidulina? sp. (compressed), Site 1053, A:327
Globoquadrina dehiscens, Site 1052, A:263
Globorotalia truncatulinoidea, Site 1052, A:263
Globorotalites sp. A, Site 1052, A:273
globosus, *Gyroidinoidea*, Site 1052, A:273
Globotruncana arca, Site 1052, A:266
Globotruncana falsostuarti Zone, Site 1052, A:266
Globotruncana gansseri–*Globotruncana falsostuarti* Zone, Site 1052, A:263, 266
Globotruncana ventricosa Zone, Site 1050, A:126
Globotruncanita atlantica, Site 1050, A:126
Globotruncanita stuarti, Site 1052, A:265
globotruncanoides, *Rotalipora*
Site 1049, B3:5–8
Site 1050, B3:3, 9–10
Site 1052, B3:11–12
globotruncanoides, *Rotalipora* aff., Sites 1050 and 1052, B3:3, 9–12
globulosa, *Heterohelix*, Site 1052, A:265
glomarchallengeri, *Bulimina*, Site 1053, A:327
Glomospira gordialis, Site 1049, A:69
gochtii, *Wetzliella*, Site 1053, B6:2, 9–10, 18–19
Goesella rugosa, Site 1049, A:68
goetheana, *Podocyrtes*, Site 1051, A:195
gorbachikae, *Hedbergella*, Site 1049, A:68
gorbachikae, *Hedbergella* cf., Site 1049, A:68
gordialis, *Glomospira*, Site 1049, A:69
goruna, *Stylosphaera*
Site 1050, A:132
Site 1051, A:196
gracile, *Cordosphaeridium*, Site 1053, B6:3, 12–13
gracilis, *Morozovella*
Site 1049, A:62
Site 1050, A:122
grandis, *Chiasmolithus*
Site 1051, B7:26
Site 1053, A:325
granulata, *Deflandrea*, Site 1053, B6:3, 18–19
grata, *Buliminella*
Site 1049, A:68
Site 1050, A:126
Site 1051, A:195
Site 1052, A:273
grata spinosa, *Bulimina*
Site 1052, A:267
Site 1053, A:327
greenhornensis, *Rotalipora*
Site 1050, A:121, 126; B3:9–10
Site 1052, A:266
grimsdalei, *Cibicidoides*
Site 1051, A:195
Site 1052, A:267
Site 1053, A:327
Guembelitra cenomana
Site 1050, A:126; B3:9–10
Site 1052, A:266; B3:11–12
Guembelitra cretacea
Site 1049, A:68
Site 1050, A:122
Guembelitrioides higginsii
Site 1049, A:62
Site 1050, A:122
Site 1051, A:190
Gyroidinoidea depressus
Site 1052, A:273
Site 1053, A:327
Gyroidinoidea girardanus
Site 1052, A:267
Site 1053, A:327
Gyroidinoidea globosus, Site 1052, A:273
Gyroidinoidea primitiva, Site 1049, A:69
Gyroidinoidea spp., Site 1053, A:327
- ## H
- hagni*, *Dicarinella*, Site 1050, B3:9–10
Hantkenina aff. *Cribohantkenina inflata*, Site 1052, A:265
Hantkenina alabamensis
Site 1052, A:265
Site 1053, A:325
Hantkenina dumblei
Site 1050, A:122
Site 1051, A:190
Site 1052, A:265
Hantkenina mexicana, Site 1049, A:62
Hantkenina nuttali, Site 1051, A:190
hantkenoides, *Plummerita*, Site 1049, A:68
Hanzawaia ammophila, Site 1053, A:327
Hanzawaia cushmani, Site 1052, A:267
Hanzawaia? sp., Site 1052, A:267
Hastigerinelloides alexanderi, Site 1050, A:126

- Hayesites albiensis*, Site 1050, A:121
- Hedbergella almadenensis*
Site 1050, B3:9–10
Site 1052, B3:11–12
- Hedbergella* cf. *gorbachikae*, Site 1049, A:68
- Hedbergella delrioensis*
Site 1049, A:68
Site 1050, B3:9–10
Site 1052, B3:11–12
- Hedbergella gorbachikae*, Site 1049, A:68
- Hedbergella gorbachikae* Zone, Site 1049, A:68
- Hedbergella infracretacea*, Site 1049, A:68
- Hedbergella maslakovae*, Site 1049, B3:7
- Hedbergella planispira*
Site 1049, A:68; B3:5–8
Site 1050, B3:9–10
Site 1052, B3:2, 11–12
- Hedbergella planispira* Interval Zone, Sites 1050 and 1052,
B3:2, 9–12
- Hedbergella rischi*
Site 1049, B3:5–8
Site 1050, B3:2, 9–10
Site 1052, B3:2, 11–12
- Hedbergella rischi* Interval Zone, Sites 1050 and 1052,
B3:2, 9–12
- Hedbergella simplex*
Site 1050, A:126; B3:9–10
Site 1052, A:266; B3:11–12
- Hedbergella trocoidea*, Site 1049, A:68; B3:5–8
- Helicosphaera seminulum*, Site 1051, B7:28
- Heliolithus kleinpellii*, Site 1052, A:263
- Heliolithus riedelii*, Site 1049, A:60
- helvetica*, *Helvetoglobotruncana*, Site 1050, A:126
- Helvetoglobotruncana helvetica*, Site 1050, A:126
- Helvetoglobotruncana helvetica* Zone, Site 1050, A:121, 126
- Helvetoglobotruncana praehelvetica*, Site 1050, A:126
- Hemiplacophora semilunifera*, Site 1053, B6:4, 16–17
- Hemiplacophora* sp. A, Site 1053, B6:4, 16–17
- herricki*, *Cibicorbis*, Site 1053, A:327
- Heteraulacacysta campanula*, Site 1053, B6:4, 18–19
- Heterohelix globulosa*, Site 1052, A:265
- Heterohelix moremani*
Site 1050, B3:9–10
Site 1052, B3:11–12
- Heterohelix navarroensis*, Site 1049, A:68
- higginsii*, *Guembelitrionides*
Site 1049, A:62
Site 1050, A:122
Site 1051, A:190
- hillebrandti*, *Paralabamina*
Site 1049, A:68
Site 1050, A:129
Site 1051, A:195
- hirsuta*, *Thyrsocyrtis* (*Thyrsocyrtis*)
Site 1049, A:69
Site 1051, A:196
- hispada*, *Calocyclus*
Site 1049, A:69
Site 1052, A:266
Site 1053, A:327
- Homotryblium aculeatum*, Site 1053, B6:4
- Homotryblium floripes*, Site 1053, B6:4, 18–19
- Homotryblium plectilum*, Site 1053, B6:4
- Homotryblium tenuispinosum*, Site 1053, B6:4, 18–19
- hornerstownensis*, *Woodringina*
Site 1050, A:122
Site 1052, A:265
- hyphalus*, *Cibicoides*
Site 1049, A:68
Site 1050, A:129
Site 1051, A:195
Site 1052, A:273
- Hystriocholpoma cinctum*, Site 1053, B6:4
- Hystriocholpoma rigaudiae*, Site 1053, B6:4, 14–15
- Hystriochosphaeropsis* sp., Site 1053, B6:4, 11
- I**
- Igorina albeari*, Site 1050, A:122
- Igorina pusilla*, Site 1050, A:122
- imbricata*, *Dicarinella*, Site 1050, A:126; B3:9–10
- Impagidinium brevisulcatum*, Site 1053, B6:4
- Impagidinium* cf. *Impagidinium aculeatum*, Site 1053, B6:4,
20–21
- Impagidinium* cf. *Impagidinium velorum*, Site 1053, B6:4,
20–21
- Impagidinium dispertitum*, Site 1053, B6:4, 20–21
- Impagidinium maculatum*, Site 1053, B6:4, 20–21
- Impagidinium* sp., Site 1053, B6:4, 20–21
- Impagidinium* sp. A, Site 1053, B6:4, 20–21
- Impagidinium velorum*, Site 1053, B6:4, 20–21
- impendens*, *Bulimina*
Site 1052, A:267
Site 1053, A:327
- inaequispira*, *Subbotina*, Site 1049, A:62
- incompositum*, *Corrudinium*, Site 1053, B6:3, 12–13
- inconstans*, *Praemurica*
Site 1049, A:68
Site 1051, A:191
- incrassata*, *Coryphostoma*, Site 1052, A:273
- index*, *Globigerinatheka*, Site 1051, A:190
- inflata*, *Cribrohantkenina*
Site 1052, A:265
Site 1053, A:325
- inflata*, *Hantkenina* aff. *Cribrohantkenina*, Site 1052, A:265
- inflata*, *Rhabdosphaera*
Site 1051, B7:27
Site 1052, A:263
- infracretacea*, *Hedbergella*, Site 1049, A:68
- infracretacea*, *Praehedbergella*, Site 1049, B3:6–8
- insigna*, *Osangularia*, Site 1049, A:69
- intermedia*, *Gavelinella*, Site 1049, A:69
- intermedium*, *Quadrum*, Site 1050, A:121
- intracretacea/parva*, *Valvulineria*, Site 1049, A:69
- intricata*, *Glaphyrocysta*, Site 1053, B6:4, 14–15
- irregularis*, *Rucinolithus*, Site 1050, A:121
- Isthmolithus recurvus*
Site 1052, A:263
Site 1053, A:325

J

jarvisi, *Spiroplectammina* cf., Site 1051, A:195
junctus, *Neochiastozygus*, Site 1051, B7:27

K

kamptnerii, *Ceratolithoides*
 Site 1049, A:62
 Site 1050, A:120
Karrieriella chapapotensis
 Site 1050, A:126
 Site 1052, A:267
 Site 1053, A:327
Karrieriella subglabra
 Site 1049, A:68
 Site 1051, A:195
 Site 1052, A:267
kennedyi, *Corollithion*, Site 1050, A:121
kennethii, *Lithraphidites*, Site 1049, A:62
kleinpellii, *Heliolithus*, Site 1052, A:263

L

lagena, *Eusyringium*
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:196
Lamptonium fabaeforme chaunothorax, Site 1051, A:196
Lamptonium fabaeforme constrictum, Site 1050, A:129
Lamptonium fabaeforme fabaforme
 Site 1050, A:129, 132
 Site 1051, A:169
Lamptonium pennatum, Site 1051, A:196
Lamptonium sanfilippaiae, Site 1050, A:132
laticinctum, *Pentadinium*, Site 1053, B6:5, 22–23
laurisae, *Cibicidoides*, Site 1052, A:267
lehneri, *Morozovella*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:190
 Site 1052, A:265
lensiformis, *Morozovella*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:191
Lenticulina spp.
 Site 1049, A:69
 Site 1052, A:267
Lentinia serrata, Site 1053, B6:4
levis, *Reinhardtites*
 Site 1050, A:121
 Site 1052, A:263
libyca, *Costellagerina*
 Site 1050, A:126; B3:9–10
 Site 1052, A:266; B3:11–12
linaperta, *Subbotina*
 Site 1049, A:62
 Site 1052, A:265
 Site 1053, A:325
Lingulodinium machaerophorum, Site 1053, B6:5, 11
Lithastrinus moratus, Site 1052, A:263

Lithastrinus septenarius, Site 1052, A:263
Lithocyclus aristotelis group, Site 1052, A:266
Lithocyclus ocellus
 Site 1050, A:132
 Site 1052, A:266
Lithocyclus ocellus group, Site 1052, A:266
Lithraphidites kennethii, Site 1049, A:62
lodoensis, *Discoaster*
 Site 1051, B7:28
 Site 1052, A:263
Lophodolichus mochloporus, Site 1051, B7:27
lophophorum, *Pentadinium*, Site 1053, B6:5, 22–23
lunata, *Paralabamina*
 Site 1049, A:68
 Site 1052, A:273
Lychnocanoma amphitrite, Site 1053, A:327
Lychnocanoma bellum
 Site 1051, A:196
 Site 1052, A:266
 Site 1053, A:327

M

macellus, *Ellipsolithus*
 Site 1050, A:119
 Site 1052, A:263
machaerophorum, *Lingulodinium*, Site 1053, B6:5, 11
macilenta, *Bulimina*
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:267
 Site 1053, A:327
mackannai, *Acarinina*
 Site 1049, A:68
 Site 1050, A:122
maculatum, *Impagidinium*, Site 1053, B6:4, 20–21
marginodentata, *Morozovella*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:191
Marginulina spp., Site 1049, A:69
Margulinopsis spp., Site 1049, A:69
Marssonella oxycona, Site 1052, A:273
Marthasterites furcatus, Site 1050, A:121
maslakovae, *Hedbergella*, Site 1049, B3:7
mayaroensis, *Abathomphalus*
 Site 1050, A:126
 Site 1052, A:265
Melitasphaeridium pseudorecurvatum, Site 1053, B6:5, 14–15
mexicana, *Globigerinatheka*
 Site 1049, A:62
 Site 1051, A:190; B5:2
mexicana, *Hantkenina*, Site 1049, A:62
mexicana, *Osangularia*
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1053, A:327
mexicana, *Vulvulina*, Site 1052, A:267

- mexicanus*, *Cibicidoides*
Site 1052, A:267
Site 1053, A:327
Micula decussata, Site 1052, A:263
Micula murus
Site 1049, A:62
Site 1050, A:120
Micula prinsii
Site 1049, A:62
Site 1050, A:120
Site 1052, A:263
Micula prinsii Zone
Site 1049, A:56
Site 1050, A:101
midwayensis, *Chiloguembelina*
Site 1049, A:68
Site 1050, A:122
midwayensis, *Coryphostoma*
Site 1049, A:68
Site 1050, A:129
Site 1051, A:195
Site 1052, A:273
minimum, *Cordosphaeridium*, Site 1053, B6:3, 12–13
mitra, *Globigerinoides*, Site 1052, A:263
mitra, *Podocyrtes*
Site 1051, A:195–196
Site 1052, A:267
mochloporus, *Lophodolichus*, Site 1051, B7:27
mongolferi, *Dictyopora*
Site 1049, A:69
Site 1050, A:129
Site 1051, A:196
montsalvensis, *Rotalipora*, Site 1050, B3:9–10
moratus, *Lithastrinus*, Site 1052, A:263
moremani, *Heterohelix*
Site 1050, B3:9–10
Site 1052, B3:11–12
moriformis, *Sphenolithus*, Site 1052, B7:25
Morozovella acuta
Site 1050, A:122
Site 1051, A:191
Morozovella aequa, Site 1051, A:191
Morozovella angulata
Site 1050, A:122
Site 1052, A:265
Morozovella aragonensis
Site 1049, A:62
Site 1050, A:122
Site 1051, A:190–191
Morozovella caucasica
Site 1049, A:62
Site 1050, A:122
Site 1051, A:190
Morozovella conicotruncata
Site 1049, A:68
Site 1050, A:122
Site 1051, A:191
Morozovella crassata, Site 1051, B5:2
Morozovella formosa
Site 1049, A:62
Site 1050, A:122
Site 1051, A:190–191
Morozovella gracilis
Site 1049, A:62
Site 1050, A:122
Morozovella lehmeri
Site 1049, A:62
Site 1050, A:122
Site 1051, A:190
Site 1052, A:265
Morozovella lensiformis
Site 1049, A:62
Site 1050, A:122
Site 1051, A:191
Morozovella marginodentata
Site 1049, A:62
Site 1050, A:122
Site 1051, A:191
Morozovella occlusa, Site 1051, A:191
Morozovella pseudobulloides, Site 1052, A:265
Morozovella spinulosa
Site 1051, A:190; B5:1–14
Site 1052, A:265
Site 1053, A:325
Morozovella subbotinae
Site 1049, A:62
Site 1050, A:122
Morozovella velascoensis
Site 1049, A:62
Site 1050, A:122
Site 1051, A:191
Site 1052, A:265
multicornuta, *Enneadocysta*, Site 1053, B6:4, 14–15
multiradiatus, *Discoaster*, Site 1051, B7:28
murus, *Micula*
Site 1049, A:62
Site 1050, A:120
- N**
- nana*, *Paragloborotalia*, Site 1052, A:263
Nannotetrina fulgens, Site 1052, A:263
Nannotetrina quadrata Zone, Sites 1051–1052, B7:5–6
navarroana, *Osangularia*
Site 1049, A:68
Site 1052, A:273
navarroensis, *Heterohelix*, Site 1049, A:68
Nemtaospheropsis sp., Site 1053, B6:5, 11
Neobiscutum parvulum, Site 1050, A:119
Neobiscutum romenii, Site 1050, A:119
Neochiastozygus junctus, Site 1051, B7:27
Neoflabellina semireticulata, Site 1052, A:273
Nephrolithus frequens, Site 1050, A:120
nigriniae, *Thecotyle*
Site 1049, A:69
Site 1050, A:129
Site 1051, A:169
nitida, *Acarinina*, Site 1050, A:122
nitidus, *Stylotrachus*, Site 1050, A:132
nodifer, *Discoaster* cf., Site 1051, B7:28
Nodogenerina spp.
Site 1051, A:195

Site 1052, A:273
 Site 1053, A:327
Nodosaria spp., Site 1049, A:69
Nonion spp.
 Site 1050, A:126
 Site 1051, A:195
 Site 1053, A:327
Nonionella spp., Site 1053, A:327
nuttali, *Hantkenina*, Site 1051, A:190
Nuttalides truempyi
 Site 1049, A:68–69
 Site 1050, A:126
 Site 1051, A:191, 195; B5:1–14
 Site 1052, A:267, 273
 Site 1053, A:327
Nuttallinella florealis, Site 1052, A:273

O

oamaruensis, *Chiasmolithus*
 Site 1051, A:189
 Site 1053, A:325
obtus, *Sphenolithus*, Site 1051, B7:25
occlusa, *Morozovella*, Site 1051, A:191
ocellata, *Pontosphaera*, Site 1051, B7:28
ocellus, *Lithocyclia*
 Site 1050, A:132
 Site 1052, A:266
Operculodinium spp., Site 1053, B6:5
opima, *Paragloborotalia*, Site 1052, A:263
Orbiculiforma sp.
 Site 1050, A:132
 Site 1052, A:267
Orbulinoides beckmanni
 Site 1051, A:190
 Site 1052, A:265
Orbulinoides beckmanni Zone, Site 1052, A:265
Oridorsalis spp.
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:273
 Site 1053, A:327
orthostylus, *Tribrachiat*
 Site 1050, A:119
 Site 1051, B7:27
 Site 1052, A:263; B7:9
Osangularia insigna, Site 1049, A:69
Osangularia mexicana
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1053, A:327
Osangularia navarroana
 Site 1049, A:68
 Site 1052, A:273
Osangularia utaturensis, Site 1049, A:69
Osangularia velascoensis
 Site 1049, A:68
 Site 1050, A:126, 129
 Site 1051, A:195

Site 1052, A:273
ouezzanensis, *Aragonia*, Site 1050, A:126, 129
oweinii, *Cylindralithus*
 Site 1049, A:62
 Site 1052, A:263
oxycona, *Marssonella*, Site 1052, A:273

P

pachystylus, *Spongatractus*, Site 1052, A:266
paleocenica, *Bolivinooides*, Site 1052, A:273
palmerae, *Planorotalites*, Site 1051, A:190
papalis, *Podocyrtis*
 Site 1049, A:69
 Site 1050, A:132
 Site 1052, A:266–267
 Site 1053, A:327
paradubia, *Whiteinella*, Site 1050, A:126; B3:9–10
Paragloborotalia nana, Site 1052, A:263
Paragloborotalia opima, Site 1052, A:263
Paralabamina hillebrandti
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
Paralabamina lunata
 Site 1049, A:68
 Site 1052, A:273
Parasubbotina pseudobulloides
 Site 1050, A:122
 Site 1052, A:265
parcus constrictus, *Aspidolithus*
 Site 1050, A:121
 Site 1052, A:263
Parvularugoglobigerina eugubina
 Site 1050, A:56, 68, 122
 Site 1052, A:265
parvulum, *Neobiscutum*, Site 1050, A:119
pastielsii, *Dapsilidinium*, Site 1053, B6:3, 11
patagonica, *Subbotina*, Site 1049, A:62
patula, *Thalassiphora*, Site 1053, B6:6, 12–13
paucicostata, *Plectofrondicularia*, Site 1053, A:327
pelagica, *Thalassiphora*, Site 1053, B6:6, 22–23
pelagicus, *Coccolithus*, Sites 1051–1052, B7:8
pellitum, *Tectatodinium*, Site 1053, B6:5, 12–13
pennatum, *Lamptonium*, Site 1051, A:196
pentacamerata, *Acarinina*
 Site 1050, A:122
 Site 1051, A:191
pentadica, *Buryella*
 Site 1050, A:132
 Site 1051, A:196
 Site 1052, A:267
Pentadinium laticinctum, Site 1053, B6:5, 22–23
Pentadinium lophophorum, Site 1053, B6:5, 22–23
pertusus, *Toweius*, Site 1051, B7:24
phacelosus, *Tranolithus*, Site 1050, A:121
Phormocyrtis striata exquisita, Site 1051, A:196
Phormocyrtis striata prexquisita, Site 1052, A:267
Phormocyrtis striata striata
 Site 1049, A:69
 Site 1050, A:129

- Site 1051, A:195–196
 Site 1052, A:267
Phormocyrtis striata striata Zone
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:169
phosphoritica, *Deflandrea*, Site 1053, B6:3, 18–19
Phthanoperidinium comatum, Site 1053, B6:5, 24–25
Phthanoperidinium sp. B, Site 1053, B6:5, 24–25
Phthanoperidinium? sp. A, Site 1053, B6:5, 24–25
Phthanoperidinium? sp. C, Site 1053, B6:5, 24–25
phyxis, *Podocyrtis*
 Site 1050, A:129
 Site 1051, A:196
pirum, *Dictyopora*, Site 1052, A:266
placacantha, *Systematophora*, Site 1053, B6:5, 16–17
plana, *Sitella* sp. cf. *Sitella*, Site 1052, A:273
planispira, *Hedbergella*
 Site 1049, A:68; B3:5–8
 Site 1050, B3:9–10
 Site 1052, B3:2, 11–12
Planomalina buxtorfi
 Site 1049, B3:5–8
 Site 1050, A:126, 132; B3:9–10
 Site 1052, A:266; B3:2, 11–12
Planomalina cheniourensis, Site 1049, B3:2, 5–8
Planomalina cheniourensis Interval Zone, Site 1049, B3:2, 5–8
Planomalina praebuxtorfi
 Site 1050, A:126, 132; B3:9–10
 Site 1052, A:266; B3:11–12
Planomalina sp., Site 1050, A:126
Planorotalites palmerae, Site 1051, A:190
Planorotalites pseudomenardii, Site 1049, A:62
Planulina ambigua, Site 1053, A:327
Planulina costata, Site 1052, A:267
plectilum, *Homotryblum*, Site 1053, B6:4
Plectofrondicularia paucicostata, Site 1053, A:327
Pleurostomella spp., Site 1049, A:69
Pleurostomella subnodosa, Site 1049, B3:2, 6–8
plicata, *Contusotruncana*, Site 1052, A:266
plummerae, *Pseudouvierina*, Site 1052, A:273
Plummerita hantkenoides, Site 1049, A:68
Podocyrtis acalles, Site 1049, A:69
Podocyrtis ampla
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:196
Podocyrtis ampla Zone
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:196
Podocyrtis chalara
 Site 1051, A:195
 Site 1052, A:266–267
 Site 1053, A:327
Podocyrtis chalara Zone
 Site 1051, A:195
 Site 1052, A:266–267
Podocyrtis diamesa, Site 1049, A:69
Podocyrtis dorus
 Site 1050, A:129
 Site 1051, A:196
Podocyrtis goetheana, Site 1051, A:195
Podocyrtis goetheana Zone
 Site 1051, A:195
 Site 1052, A:266–267
Podocyrtis mitra
 Site 1051, A:195–196
 Site 1052, A:267
Podocyrtis mitra Zone, Site 1051, A:196
Podocyrtis papalis
 Site 1049, A:69
 Site 1050, A:132
 Site 1052, A:266–267
 Site 1053, A:327
Podocyrtis phyxis
 Site 1050, A:129
 Site 1051, A:196
Podocyrtis sinuosa
 Site 1049, A:69
 Site 1051, A:196
Podocyrtis trachodes
 Site 1050, A:129
 Site 1051, A:195–196
 Site 1052, A:267
pomeroli, *Turborotalia*
 Site 1051, A:190
 Site 1053, A:325
pommerana, *Stensioina*, Site 1052, A:273
Pontosphaera ocellata, Site 1051, B7:28
Porticulasphaera semiinvoluta
 Site 1052, A:265
 Site 1053, A:325
possagnoensis, *Turborotalia*
 Site 1049, A:62
 Site 1050, A:122
 Site 1051, A:190
Praebulimina reussi
 Site 1049, A:68
 Site 1052, A:273
praebuxtorfi, *Planomalina*
 Site 1050, A:126, 132; B3:9–10
 Site 1052, A:266; B3:11–12
Praeglobotruncana delrioensis
 Site 1050, B3:9–10
 Site 1052, A:266; B3:11–12
Praeglobotruncana gibba, Site 1050, B3:9–10
Praeglobotruncana stephani
 Site 1050, B3:9–10
 Site 1052, B3:11–12
Praehedbergella cf. *sigali*, Site 1049, B3:7
Praehedbergella infracretacea, Site 1049, B3:6–8
praehelvetica, *Helvetoglobotruncana*, Site 1050, A:126
praehelvetica, *Whiteinella*, Site 1050, B3:9–10
praemundulus, *Cibicidoides*
 Site 1051, A:195
 Site 1053, A:327
Praemurica inconstans
 Site 1049, A:68
 Site 1051, A:191
Praemurica taurica

- Site 1050, A:122
Site 1051, A:191
Praemurica uncinata, Site 1051, A:191
Praeprinsius spp., Site 1049, A:62
praespissiformis, *Anomalinoidea*, Site 1052, A:273
praeticinensis, *Ticinella*
Site 1050, A:126; B3:9–10
Site 1052, B3:11–12
praetopilensis, *Acarinina*, Site 1051, B5:2
praeturritilina, *Globigerina*, Site 1051, A:190
primitiva, *Acarinina*
Site 1049, A:62
Site 1053, A:325, 327
primitiva, *Gyroidinoidea*, Site 1049, A:69
primula, *Ticinella*
Site 1049, A:68; B9:6
Site 1050, B3:2, 9–10
Site 1052, B3:2, 11–12
primus, *Cruciplacolithus*, Site 1050, A:119
prinsii, *Micula*
Site 1049, A:62
Site 1050, A:120
Site 1052, A:263
Prinsius spp., Site 1049, A:62
prionion, *Coronocyclus*, Site 1051, B7:24
profunda, *Quadriformina*
Site 1050, A:126
Site 1051, A:195
protoannulus, *Calcidiscus*, Site 1052, B7:24
pseudobulloidea, *Morozovella*, Site 1052, A:265
pseudobulloidea, *Parasubbotina*
Site 1050, A:122
Site 1052, A:265
pseudocolligerum, *Dapsilidinium*, Site 1053, B6:3, 11
Pseudodictyomitra spp., Site 1049, A:69
Pseudohastigerina wilcoxensis, Site 1050, A:122
pseudomenardii, *Globanomalina*
Site 1050, A:122
Site 1051, A:191
pseudomenardii, *Planorotalites*, Site 1049, A:62
Pseudomicula quadrata
Site 1049, A:62
Site 1052, A:263
pseudoradians, *Sphenolithus*, Site 1051, B7:25
pseudorecurvatum, *Melitasphaeridium*, Site 1053, B6:5, 14–15
Pseudovigerina plummerae, Site 1052, A:273
Pterocodon ampla, Site 1051, A:196
Pterocodon? *anteclinata*
Site 1050, A:132
Site 1051, A:196
Pullenia coryelli
Site 1050, A:129
Site 1051, A:195
Pullenia eocaenica
Site 1051, A:195
Site 1052, A:267
Site 1053, A:327
Pullenia spp.
Site 1051, A:195
Site 1053, A:327
punctata, *Globocassidulina*, Site 1053, A:327
pusilla, *Igorina*, Site 1050, A:122
pyramidata, *Gaudryina*, Site 1052, A:273
Pyramidina rudita
Site 1049, A:68
Site 1050, A:129
Site 1051, A:195
Site 1052, A:273
Pyramidina? sp., Site 1052, A:273
- ## Q
- quadrata*, *Pseudomicula*
Site 1049, A:62
Site 1052, A:263
Quadriformina allomorphinoidea, Site 1052, A:273
Quadriformina profunda
Site 1050, A:126
Site 1051, A:195
Quadrum gartneri, Site 1050, A:121
Quadrum intermedium, Site 1050, A:121
Quadrum sissinghii, Site 1050, A:121
- ## R
- Racemiguembelina fructicosa*
Site 1050, A:126
Site 1052, A:265
Racemiguembelina fructicosa Zone
Site 1049, A:68
Site 1050, A:126
Site 1052, A:265–266
radians, *Sphenolithus*, Site 1051, B7:25
Radotruncana calcarata, Site 1049, A:68
Radotruncana calcarata Zone
Site 1049, A:68
Site 1050, A:126
recurvus, *Isthmolithus*
Site 1052, A:263
Site 1053, A:325
regulare, *Entapium*, Site 1052, A:267
reicheli, *Rotalipora*
Blake Nose, B Introduction:4
Site 1049, B3:5–8
Site 1050, B3:9–10
Reinhardtites anthophorous, Site 1050, A:121
Reinhardtites levis
Site 1050, A:121
Site 1052, A:263
reticulatum, *Cribocentrum*, Site 1051, B7:26
Reticulofenestra spp., Sites 1051–1052, B7:8–9
Reticulofenestra umbilicus
Site 1050, A:118
Site 1051, B7:26
Site 1052, A:263
Reticulofenestra umbilicus Zone, Sites 1051–1052, B7:4–5
Reussella szajnochae
Site 1049, A:68
Site 1050, A:129
Site 1052, A:273
reussi, *Praebulimina*

- Site 1049, A:68
Site 1052, A:273
Rhabdosphaera inflata
Site 1051, B7:27
Site 1052, A:263
Rhabdosphaera inflata Subzone
Site 1050, A:119
Site 1051, B7:6
rhizodon, *Thyrsoyrtis*, Site 1053, A:327
rhizodon, *Thyrsoyrtis* (*Thyrsoyrtis*)
Site 1049, A:69
Site 1051, A:196
Rhombaster contortus, Site 1050, A:119
Rhombaster-Tribrachiatus lineage, Site 1051, A:190
riedeli, *Cromyomma*
Site 1050, A:132
Site 1051, A:196
riedelii, *Heliolithus*, Site 1049, A:60
rigaudiae, *Hystriochokolpoma*, Site 1053, B6:4, 14–15
rippensis, *Uvigerina*
Site 1051, A:195
Site 1053, A:327
rischi, *Hedbergella*
Site 1049, B3:5–8
Site 1050, B3:2, 9–10
Site 1052, B3:2, 11–12
roberti, *Ticinella*
Site 1050, A:126
Site 1052, A:266; B3:11–12
robertsi, *Turrilina*, Site 1050, A:126
robusta, *Ericsonia*, Site 1051, B7:26
rohri, *Truncorotaloides*
Site 1049, A:62
Site 1053, A:325
romenii, *Neobiscutum*, Site 1050, A:119
Rotalipora aff. *globotruncanoides*, Sites 1050 and 1052, B3:3, 9–12
Rotalipora appenninica
Site 1049, B3:5–8
Site 1050, A:126; B3:9–10
Site 1052, A:266; B3:11–12
Rotalipora appenninica Zone
Site 1050, A:126, 132
Site 1052, A:266
Rotalipora brotzeni
Site 1050, A:126
Site 1052, A:266
Rotalipora cushmani
Site 1049, B3:5–8
Site 1050, A:126; B3:9–10
Rotalipora cushmani Total Range Zone, Site 1050, A:126; B3:3, 9–10
Rotalipora deeckei, Site 1050, A:126; B3:9–10
Rotalipora gandolfi
Site 1050, B3:3, 9–10
Site 1052, B3:11–12
Rotalipora globotruncanoides
Site 1049, B3:5–8
Site 1050, B3:3, 9–10
Site 1052, B3:11–12
Rotalipora globotruncanoides Interval Zone, Site 1050, B3:3, 9–10
Rotalipora greenhornensis
Site 1050, A:121, 126; B3:9–10
Site 1052, A:266
Rotalipora greenhornensis Zone
Site 1050, A:126
Site 1052, A:263, 266
Rotalipora montsalvensis, Site 1050, B3:9–10
Rotalipora reicheli
Blake Nose, B Introduction:4
Site 1049, B3:5–8
Site 1050, B3:9–10
Rotalipora reicheli Interval Zone, Site 1050, B3:3, 9–10
Rotalipora subticinensis
Site 1050, B3:2, 9–10
Site 1052, B3:2, 11–12
Rotalipora tehamahensis, Site 1050, B3:3, 9–10
Rotalipora ticinensis
Site 1049, B3:5–8
Site 1050, A:126; B3:2–3, 9–10
Site 1052, A:266; B3:2–3, 11–12
Rotalipora ticinensis Interval Zone
Sites 1050 and 1052, B3:2, 9–12
Site 1050, A:122, 126
Site 1052, A:266
Rucinolithus irregularis, Site 1050, A:121
rudita, *Pyramidina*
Site 1049, A:68
Site 1050, A:129
Site 1051, A:195
Site 1052, A:273
rugosa, *Goesella*, Site 1049, A:68
rumseyensis, *Archaeospongoprunum* sp. cf. *Archaeospongoprunum*, Site 1050, A:132
- S**
- sacculifer*, *Globigerinoides*, Site 1052, A:263
saipanensis, *Discoaster*
Site 1051, B7:28
Site 1053, A:325
Samlandia chlamydophora, Site 1053, B6:5, 16–17
sanfilippae, *Lamptonium*, Site 1050, A:132
Schackoia aff. *cenomana*, Site 1050, B3:9–10
Schackoia cenomana
Site 1050, A:126; B3:9–10
Site 1052, A:266; B3:11–12
Schematophora speciosa, Site 1053, B6:5, 16–17
semicostata, *Bulimina*
Site 1049, A:68
Site 1050, A:126
Site 1051, A:195
Site 1052, A:267
semicostata, *Bulimina* sp. cf. *Bulimina*
Site 1049, A:68
Site 1050, A:126
Site 1051, A:195
Site 1053, A:327
semiinvoluta, *Porticulasphaera*
Site 1052, A:265

- Site 1053, A:325
semilunifera, *Hemiplacophora*, Site 1053, B6:4, 16–17
seminulum, *Helicosphaera*, Site 1051, B7:28
semireticulata, *Aragonia*
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
semireticulata, *Neoflabellina*, Site 1052, A:273
senni, *Globigerina*, Site 1049, A:62
septenarius, *Lithastrinus*, Site 1052, A:263
serrata, *Lentinia*, Site 1053, B6:4
sigali, *Praehedbergella* cf., Site 1049, B3:7
simplex, *Dapsilidium*, Site 1053, B6:3, 11
simplex, *Hedbergella*
 Site 1050, A:126; B3:9–10
 Site 1052, A:266; B3:11–12
sinuosa, *Podocyrtes*
 Site 1049, A:69
 Site 1051, A:196
sissinghii, *Quadrum*, Site 1050, A:121
Sitella sp. cf. *Sitella plana*, Site 1052, A:273
Sliteria varsoviensis, Site 1052, A:273
soldadoensis, *Acarinina*, Site 1049, A:62, 68
solitus, *Chiasmolithus*, Site 1051, B7:26
speciosa, *Schematophora*, Site 1053, B6:5, 16–17
spectabilis, *Spiroplectammina*, Site 1052, A:273
Sphenolithus conspicuus, Site 1051, B7:25
Sphenolithus editus, Site 1051, B7:25
Sphenolithus furcatolithoides
 Site 1051, B7:25
 Site 1052, B7:9
Sphenolithus moriformis, Site 1052, B7:25
Sphenolithus obtusus, Site 1051, B7:25
Sphenolithus pseudoradians, Site 1051, B7:25
Sphenolithus radians, Site 1051, B7:25
Sphenolithus spiniger, Site 1051, B7:25
spinea, *Bulimina*
 Site 1049, A:68
 Site 1050, A:129
 Site 1051, A:195
Spiniferites sp. A, Site 1053, B6:5, 11
spiniger, *Sphenolithus*, Site 1051, B7:25
spinosa, *Vulvulina*
 Site 1049, A:68
 Site 1052, A:267
 Site 1053, A:327
spinulosa, *Morozovella*
 Site 1051, A:190; B5:1–14
 Site 1052, A:265
 Site 1053, A:325
Spiroplectammina cf. *jarvisi*, Site 1051, A:195
Spiroplectammina sp., Site 1052, A:273
Spiroplectammina spectabilis, Site 1052, A:273
spissiformis, *Anomalinoidea*, Site 1053, A:327
Spongatractus balbis
 Site 1050, A:132
 Site 1051, A:196
Spongatractus pachystylus, Site 1052, A:266
Stensioina pommerana, Site 1052, A:273
stephani, *Praeglobotruncana*
 Site 1050, B3:9–10
 Site 1052, B3:11–12
Stichomitra spp., Site 1049, A:69
striata exquisita, *Phormocyrtis*, Site 1051, A:196
striata prequisita, *Phormocyrtis*, Site 1052, A:267
striata striata, *Phormocyrtis*
 Site 1049, A:69
 Site 1050, A:129
 Site 1051, A:195–196
 Site 1052, A:267
stuarti, *Globotruncanita*, Site 1052, A:265
Stylosphaera coranatus coranatus
 Site 1050, A:132
 Site 1051, A:196
Stylosphaera goruna
 Site 1050, A:132
 Site 1051, A:196
Stylotrachus alveatus
 Site 1050, A:132
 Site 1051, A:196
Stylotrachus nitidus, Site 1050, A:132
Subbotina inaequispira, Site 1049, A:62
Subbotina linaperta
 Site 1049, A:62
 Site 1052, A:265
 Site 1053, A:325
Subbotina patagonica, Site 1049, A:62
Subbotina triangularis, Site 1049, A:62, 68
Subbotina triloculinoides
 Site 1049, A:68
 Site 1052, A:265
subbotinae, *Morozovella*
 Site 1049, A:62
 Site 1050, A:122
subconglobata, *Globigerinatheka*, Site 1051, A:190
subconglobata micra, *Globigerinatheka*, Site 1049, A:62
subglabra, *Karriella*
 Site 1049, A:68
 Site 1051, A:195
 Site 1052, A:267
subglobosa, *Globocassidulina*
 Site 1049, A:68
 Site 1050, A:126
 Site 1051, A:195
 Site 1052, A:267
 Site 1053, A:327
sublodoensis, *Discoaster*
 Site 1051, B7:28
 Site 1052, A:263; B7:9
subnodosa, *Pleurostomella*, Site 1049, B3:2, 6–8
subsculptura, *Eouvigerina*, Site 1052, A:273
subspheerica, *Acarinina*, Site 1051, A:191
subspiratus, *Cibicoides*, Site 1051, A:195
subtincinensis, *Rotalipora*
 Site 1050, B3:2, 9–10
 Site 1052, B3:2, 11–12
Systematophora ancyrea, Site 1053, B6:5, 16–17
Systematophora placacantha, Site 1053, B6:5, 16–17
szajnochae, *Reussella*
 Site 1049, A:68
 Site 1050, A:129
 Site 1052, A:273

T

taurica, Praemurica

Site 1050, A:122

Site 1051, A:191

Tectatodinium pellitum, Site 1053, B6:5, 12–13

tehamahensis, Rotalipora, Site 1050, B3:3, 9–10

tensa, Thyrsocyrtis, Site 1049, A:69

tenuispinosum, Homotryblium, Site 1053, B6:4, 18–19

tenuitabulatum, Cribroperidinium, Site 1053, B6:3, 12–13

tessellata, Eocladopyxis, Site 1053, B6:4, 18–19

tetracantha, Thyrsocyrtis

Site 1051, A:195

Site 1052, A:266

Site 1053, A:327

tetradica, Buryella

Site 1050, A:129, 132

Site 1051, A:196

Site 1052, A:267

Thalassiphora delicata, Site 1053, B6:5, 22–23

Thalassiphora patula, Site 1053, B6:6, 12–13

Thalassiphora pelagica, Site 1053, B6:6, 22–23

thanetensis, Bulimina

Site 1049, A:68

Site 1050, A:126

Site 1051, A:195

Theocotyle cryptocephala

Site 1049, A:69

Site 1050, A:129

Site 1051, A:169

Theocotyle cryptocephala Zone

Site 1049, A:69

Site 1050, A:129

Site 1051, A:169

Theocotyle nigriniae

Site 1049, A:69

Site 1050, A:129

Site 1051, A:169

Theocotyle venezuelensis, Site 1051, A:169

Theocotylissa ficus, Site 1049, A:69

Thoracosphaera spp.

Site 1049, A:62

Site 1050, A:119

Thyrsocyrtis bromia, Site 1053, A:327

Thyrsocyrtis cryptocephala, Site 1049, A:69

Thyrsocyrtis cryptocephala Zone, Site 1049, A:69

Thyrsocyrtis rhizodon, Site 1053, A:327

Thyrsocyrtis tensa, Site 1049, A:69

Thyrsocyrtis tetracantha

Site 1051, A:195

Site 1052, A:266

Site 1053, A:327

Thyrsocyrtis (Thyrsocyrtis) hirsuta

Site 1049, A:69

Site 1051, A:196

Thyrsocyrtis (Thyrsocyrtis) rhizodon

Site 1049, A:69

Site 1051, A:196

Thyrsocyrtis tricantha

Site 1049, A:69

Site 1051, A:195

Site 1052, A:266

Thyrsocyrtis tricantha Zone

Site 1049, A:69

Site 1050, A:129

Site 1051, A:196

Ticinella bejaouaensis, Site 1049, A:68; B3:2, 5–8

Ticinella bejaouaensis Interval Zone, Site 1049, A:68; B3:2, 6–8

Ticinella praeticinensis

Site 1050, A:126; B3:9–10

Site 1052, B3:11–12

Ticinella primula

Site 1049, A:68; B9:6

Site 1050, B3:2, 9–10

Site 1052, B3:2, 11–12

Ticinella primula Zone, Site 1049, A:68

Ticinella roberti

Site 1050, A:126

Site 1052, A:266; B3:11–12

ticinensis, Rotalipora

Site 1049, B3:5–8

Site 1050, A:126; B3:2–3, 9–10

Site 1052, A:266; B3:2–3, 11–12

topilensis, Truncorotaloides, Site 1051, A:190

Toweius callosus, Site 1051, B7:24

Toweius crassus

Site 1050, A:119

Site 1051, B7:24

Toweius eminens, Site 1051, B7:24

Toweius gammation, Site 1051, B7:24

Toweius pertusus, Site 1051, B7:24

Toweius sp. B, Site 1051, B7:24

Toweius spp., Sites 1051–1052, B7:9

trachodes, Podocyrtis

Site 1050, A:129

Site 1051, A:195–196

Site 1052, A:267

Tranolithus phacelosus, Site 1050, A:121

triangularis, Subbotina, Site 1049, A:62, 68

Tribrachiatus bramlettei, Site 1051, B7:27

Tribrachiatus contortus, Site 1051, B7:27

Tribrachiatus contortus Subzone, Site 1051, B7:7

Tribrachiatus digitalis, Site 1050, A:119

Tribrachiatus orthostylus

Site 1050, A:119

Site 1051, B7:27

Site 1052, A:263; B7:9

Tribrachiatus orthostylus Zone, Site 1051, B7:7

tricantha, Thyrsocyrtis

Site 1049, A:69

Site 1051, A:195

Site 1052, A:266

triloculinoides, Subbotina

Site 1049, A:68

Site 1052, A:265

trinitatensis, Bulimina

Site 1049, A:68

Site 1050, A:126

Site 1051, A:195

Site 1052, A:273

Site 1053, A:327

Tristix excavatus, Site 1049, A:69

Tritaxia spp.

Site 1050, A:126

Site 1051, A:195

Site 1053, A:327

trochoides, *Allomorphina*

Site 1049, A:68

Site 1052, A:273

trocoidea, *Hedbergella*, Site 1049, A:68; B3:5–8

truempyi, *Nuttalides*

Site 1049, A:68–69

Site 1050, A:126

Site 1051, A:191, 195; B5:1–14

Site 1052, A:267, 273

Site 1053, A:327

truncatulinoidea, *Globorotalia*, Site 1052, A:263

Truncorotaloides rohri

Site 1049, A:62

Site 1053, A:325

Truncorotaloides topilensis, Site 1051, A:190

Turbiosphaera filosa, Site 1053, B6:6, 12–13

Turborotalia cerroazulensis, Site 1051, A:190

Turborotalia cocoaensis

Site 1052, A:265

Site 1053, A:325

Turborotalia cunialensis

Site 1052, A:265

Site 1053, A:325

Turborotalia pomeroli

Site 1051, A:190

Site 1053, A:325

Turborotalia possagnoensis

Site 1049, A:62

Site 1050, A:122

Site 1051, A:190

Turrilina robertsi, Site 1050, A:126

turris, *Calocyclus*

Site 1052, A:266

Site 1053, A:327

tuxpamensis, *Bulimina*

Site 1051, A:195

Site 1052, A:267

Site 1053, A:327

tuxpamensis, *Cibicidoides*

Site 1050, A:126

Site 1052, A:267

tympaniformis, *Fasciculithus*

Site 1051, B7:27

Site 1052, A:263

U

ultramica, *Alanlordella*, Site 1052, B3:11–12

umbilicus, *Reticulofenestra*

Site 1050, A:118

Site 1051, B7:26

Site 1052, A:263

uncinata, *Praemurica*, Site 1051, A:191

utaturensis, *Osangularia*, Site 1049, A:69

Uvigerina rippensis

Site 1051, A:195

Site 1053, A:327

Uvigerina sp., Site 1053, A:327

V

Valvulineria intracretacea/parva, Site 1049, A:69

varsoviensis, *Sliteria*, Site 1052, A:273

velascoensis, *Aragonia*

Site 1049, A:68

Site 1050, A:129

Site 1051, A:195

Site 1052, A:273

velascoensis, *Bulimina*, Site 1049, A:68

velascoensis, *Cibicidoides*, Site 1052, A:273

velascoensis, *Morozovella*

Site 1049, A:62

Site 1050, A:122

Site 1051, A:191

Site 1052, A:265

velascoensis, *Osangularia*

Site 1049, A:68

Site 1050, A:126, 129

Site 1051, A:195

Site 1052, A:273

velorum, *Impagidinium*, Site 1053, B6:4, 20–21

velorum, *Impagidinium* cf. *Impagidinium*, Site 1053, B6:4, 20–21

venezuelensis, *Thecotyle*, Site 1051, A:169

Vulvulina mexicana, Site 1052, A:267

Vulvulina spinosa

Site 1049, A:68

Site 1052, A:267

Site 1053, A:327

W

washitensis, *Favusella*, Site 1052, A:266; B3:11–12

Wetzliella gochtii, Site 1053, B6:2, 9–10, 18–19

Whiteinella archaeocretacea

Site 1049, B3:5–8

Site 1050, B3:9–10

Whiteinella archaeocretacea Interval Zone, Site 1050, B3:3, 9–10

Whiteinella baltica, Site 1050, B3:9–10

Whiteinella paradubia, Site 1050, A:126; B3:9–10

Whiteinella praealpina, Site 1050, B3:9–10

wilcoxensis, *Chiloguembelina*

Site 1050, A:122

Site 1051, A:191

wilcoxensis, *Pseudohastigerina*, Site 1050, A:122

Woodringina claytonensis

Site 1050, A:122

Site 1052, A:265

Woodringina hornerstownensis

Site 1050, A:122

Site 1052, A:265

X

Xiphosphaera circularis, Site 1050, A:132

Z

zones (with letter prefixes)

- CC9a, Site 1050, A:121
 CC9b, Site 1050, A:121
 CC9c, Site 1050, A:121
 CC10, Site 1050, A:121
 CC10b, Site 1050, A:121
 CC11, Site 1050, A:121
 CC13, Site 1052, A:263
 CC14, A:121, 263
 CC19, Site 1050, A:121
 CC21, Site 1050, A:121, 134
 CC22, A:62, 121, 134
 CC23, Site 1050, A:121, 134
 CC23a, Site 1049, A:62
 CC24, Site 1052, A:263
 CC25/CC26 boundary, Site 1050, A:120
 CC25a, Site 1049, A:62
 CC25b, Site 1049, A:62
 CC25c, Site 1050, A:121
 CC26a/CC26b boundary, Site 1050, A:120
 CC26b, Site 1049, A:62
 CN14a, Site 1049, A:60
 CP1, Site 1052, A:263
 CP1a, A:62, 119
 CP1b, Site 1049, A:62
 CP2, A:62, 119, 203, 263
 CP2/CP3 boundary, Site 1050, A:119
 CP3, A:62, 119, 203, 263
 CP4, Site 1051, A:203
 CP6, A:60, 199
 CP7, A:60, 119, 134, 199
 CP8, A:60, 199; B7:7–8
 CP8a, Site 1050, A:119, 134
 CP8b, Site 1050, A:119
 CP9, A:119; B7:7–8
 CP9a, A:119; B7:7
 CP9b, A:60; B7:7
 CP10, A:60, 119, 134; B7:7–8
 CP10/CP11 boundary, Sites 1051–1052, B7:9
 CP11, A:60, 119, 134; B7:7–8
 CP12, Site 1051, B7:6, 8
 CP12a, A:60, 71, 134, 189–190; B7:6, 8–9; B9:9
 CP12b, A:60, 71, 134, 263; B7:6
 CP13, Sites 1051–1052, B7:5–6, 8
 CP13a, A:60, 119, 134; B7:6
 CP13b, A:71, 118, 134, 263; B7:6
 CP13c, A:118, 263; B7:5
 CP14, A:263; B7:4, 8
 CP14a, A:60, 71, 118, 263; B7:5
 CP14b, A:118, 263, 325; B7:5
 CP15, A:199, 330; B7:4
 CP15a, A:325; B7:4
 CP15b, A:263, 325
 CP16n, Site 1051, A:199
 NP15b, Site 1049, A:71
 P1a, Site 1049, A:68
 P1b, A:68, 190, 263, 265
 P1c, A:68, 265; B9:11
 P2, A:191, 263, 265; B9:10–11
 P2/P3a boundary, Site 1051, A:190
 P3/P4 boundary, Site 1051, A:191
 P3a, A:62, 68, 121–122, 265
 P3a/P2 boundary, Site 1051, A:191
 P3b, A:68, 265
 P3b/P3a boundary, Site 1051, A:191
 P4, A:62, 121–122
 P4/P5 boundary, Site 1051, A:191
 P5, Site 1050, A:121–122
 P6, A:62, 68, 121–122
 P6a, Site 1051, A:191
 P6a/P5 boundary, Site 1051, A:191
 P6b/P6a boundary, Site 1051, A:191
 P7, A:62, 68, 121–122, 190
 P8, A:62, 68, 121–122
 P8–P7 interval, Site 1049, A:62
 P8–P10, Site 1051, A:190
 P9, A:62, 68, 121–122
 P10, A:68, 121–122
 P10/P9 boundary, Site 1049, A:62
 P11, A:62, 68, 121–122, 190
 P12, A:68, 121–122, 190, 263, 265
 P12/P11 boundary, Site 1049, A:62
 P12/P13 boundary, A:190; B9:11
 P13, Site 1052, A:265
 P14, A:190, 263, 265, 325; B9:12
 P15, A:265, 325; B9:12
 P16, A:263, 325, 327, 330
 P α , A:54, 56, 68, 101, 263, 265
 R1, A:132, 196, 266
 R2, A:132, 196, 266
 R3, A:132, 196
 R4, A:129, 196
 R5, A:129, 196
 R6, A:129, 196
 R7, A:129, 196
 R8, A:129, 196
 R9, Site 1051, A:196
 R10, A:195, 266
 R11, A:195, 266
 R12, A:266, 327
 R13, A:266, 327
 R14, Site 1053, A:327