

## INDEX TO VOLUME 159

This index covers both the *Initial Reports* and *Scientific Results* portions of Volume 159 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 book) by “B” with a colon (B:). In addition, reference to material on CD-ROM is shown as “bp:CD-ROM.”

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 is presented in two parts: (1) a Subject Index and (2) a Taxonomic Index. Both parts cover text, figures, and tables but not core-description forms (“barrel sheets”), core photographs, smear-slide data, or CD-only tables. Also excluded from the index are bibliographic references, names of individuals, and routine front and back matter.

The Subject Index follows a standard format. Geographic, 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 959, for example, is given as “Site 959, A:65–150.”

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.”

For further information, including available electronic formats, contact the Chief Production Editor, Ocean Drilling Program, 1000 Discovery Drive, College Station, Texas 77845-9547, U.S.A., e-mail: [pub\\_production@ODP.TAMU.EDU](mailto:pub_production@ODP.TAMU.EDU)

## VOLUME 159 SUBJECT INDEX

- Abakaliki uplift  
 sedimentary instability, B:95  
 thermal history, B:97–99
- accretionary centers, transform faults, B:47
- accumulation rates  
 datum levels, A:97  
 grain size, B:594  
 marine organic carbon, B:570  
 terrigenous organic carbon, B:570–571  
 vs. age, B:569, 588  
*See also* sedimentation rates
- accumulation rates, mean, Pliocene–Pleistocene, B:562–563
- acetic acid. *See* furfural + acetic acid/pyrrol ratio
- acoustic impedance, vs. traveltime, B:229, 236, 240
- acoustic units  
 transform faults, A:9–10  
*See also* velocity
- acritarchs, depth and recovery, B:283
- Africa  
 accumulation rates, B:600  
 geodynamics, B:46–47  
 paleopoles, B:203
- Africa W  
 continental margin, A:5–16  
 monsoons, B:554
- Afropollis*. *See* Pre-Albian West Early Cretaceous *Dicheiropollis etruscus/Afropollis* Province
- age  
 deformation, B:35–41  
 sediments, B:181–186  
 thermal history, B:43–48  
 transform faults, A:10–11  
*See also* geochronology
- age models, Miocene–Pliocene, B:540–541
- age vs. depth  
 Site 959, A:97; B:537, 560, 587  
 Site 960, A:185  
 Site 962, A:277
- agglutinated foraminifers. *See* foraminifers, deep-water agglutinated
- Albian  
 biostratigraphy, B:489  
 calcareous nannofossils, B:325–326  
 clastic wedges, B:19  
 deformation, B:35–41  
 lithologic units, A:82–83, 282  
 marginal ridges, B:76–78  
 paleomagnetism, B:204  
 paleotemperature, B:64  
 periplatform deposits, B:102–103  
 planktonic foraminifers, B:336–338  
 rifting, B:115–116  
 sedimentary instability, B:95  
 soft sediment deformation, B:17  
 spreading centers, B:65–66  
 thermal events, B:46, 105, 108  
 transform faults, A:10–11  
*See also* Pre-Albian West Early Cretaceous *Dicheiropollis etruscus/Afropollis* Province
- Albian, upper, sediments, B:125–131
- Albian–Cenomanian *Elaterates* Province, microfloral provinces, B:254, 261–262
- alkalinity  
 organic matter, A:194  
 pore water, A:243, 284  
 vs. depth, A:110, 194, 285
- allochems, photomicrograph, A:171
- aluminum, chlorite-mica stacks, thermal history, B:97
- aluminum logs, evaluation, B:174
- aluminum number, chromian spinel, B:134, 136
- aluminum oxide, green grains, B:593–594
- ammonium  
 organic matter, A:194  
 pore water, A:243, 284  
 vs. depth, A:110, 194, 244, 285
- amorphous organic matter, Site 959, B:318
- anchimetamorphism, thermal history, B:97–98
- Angola Basin, planktonic foraminifers, B:337–338
- anisotropy  
 sediments, A:199, 249, 288; bp:CD-ROM  
 vs. depth, A:115, 199, 249, 289  
*See also* magnetic anisotropy
- ankerite, sediments, A:244
- anoxic environment 3, 2  
 passive margins, A:234  
 sulfur isotopes, B:127, 129–131  
*See also* Oceanic Anoxic Event; pre-Oceanic Anoxic Event 1d
- Antarctic Bottom Water, sediments, B:587–588
- Antarctic Intermediate Water, sediments, B:587–588
- apatite  
 fission-track data, B:35–41, 43–48, 105  
 X-ray diffractograms, A:170
- Aptian  
 biostratigraphy, B:489  
 deformation, B:35–41  
 heating, B:46  
 sedimentary instability, B:95  
 sedimentation, B:108–109
- aragonite, photomicrograph, A:171
- Asu River Group, slump folds, B:99
- Atlantic Ocean E. *See* Eastern Atlantic Basin; Equatorial Atlantic Gateway; Pacific/Atlantic-type mixture
- Atlantic Ocean E, equatorial  
 benthic foraminifers, B:347–359, 389–411, 433–444, 605–610  
 biostratigraphy, B:533–538  
 calcareous nannofossils, B:421, 424, 509–523  
 continental margin, A:5–16  
 Mesozoic, B:481–490  
 Miocene–Pliocene hydrography, B:539–555  
 planktonic foraminifers, B:335–345, 445–479  
 Pliocene–Pleistocene, B:557–583  
 radiolarians, B:363–373
- Atlantic Ocean SE, planktonic foraminifers, B:337
- atmospheric circulation, vegetation zones, B:558–559
- authigenesis  
 paleoenvironment, A:175–176  
 palygorskite, B:106, 148–150  
 sediments, A:311
- azimuth  
 bedding, A:121–122, 309  
 vs. depth, A:118, 122; B:85  
*See also* bedding azimuth; fault azimuth; fracture azimuth
- Bajocian, lithologic units, A:228–231
- ball-and-pillow structures, photograph, A:174
- barite  
 lithologic units, A:166  
 mineralization, B:17  
 photograph, A:81–82, 229  
 scanning electron micrograph, B:155–156  
 veins, B:4–5  
 X-ray diffraction data, B:146
- barite nodules  
 lithologic units, A:166  
 palygorskite, B:149  
 photograph, A:168; B:69  
 scanning electron micrograph, B:154  
 X-ray diffractograms, A:169
- barite veins  
 deformation, B:14  
 sediments, A:100–101  
 sketch, A:101
- basalts. *See* intraplate basalts
- basement, metamorphic rocks, B:94, 120
- basins  
 extension tectonics, B:96  
 marginal ridges, B:41  
 paleoenvironment, A:175–176  
 palygorskite, B:148–149  
*See also* sedimentary basins
- basins, syntransform, transform faults, A:299–305
- bathymetry  
 transform faults, A:47–48, 61  
*See also* paleobathymetry
- bedding  
 deformation, A:309  
 dip, A:98, 121–122, 279; B:8  
 ooze and chalk, A:97–98  
 porcellanite, A:238–239  
 structure, A:185–186, 238–239, 278  
*See also* cross bedding; cross laminations; graded bedding
- bedding, lenticular, photograph, A:268
- bedding azimuth, vs. depth, B:85, 87, 89
- bedding dips  
 clastic wedges, B:19  
 Lower Cretaceous, B:16–17  
 magnetic fabric, B:196  
 sediments, B:16  
 vs. age, B:9  
 vs. depth, B:9, 85, 87, 89
- bedding planes, Formation MicroScanner imaging, B:88
- Benguela Current, transform faults, A:14
- Benue Trough  
 Cretaceous, B:93–99  
 extension tectonics, B:96–97  
 stratigraphy, B:95
- benzene/luene ratio  
 biomarkers, B:599  
 vs. depth, B:599
- berthierine, X-ray diffraction data, A:77
- bioclasts  
 lithologic units, A:168–170  
 photomicrograph, A:171
- biofacies  
 benthic foraminifers, B:402  
*See also* lithofacies; palynofacies
- biogenic materials, lithologic units, A:231
- biogeography. *See* paleobiogeography
- biomarkers, organic matter, B:595–599
- biosiliceous deposition, lithologic units, A:233–234, 267–270
- biosiliceous event, Oligocene–early Miocene, A:312

## biostratigraphic datums

- accumulation rates, A:278
- vs. depth, A:185
- biostratigraphy
  - benthic foraminifers, B:347–359, 375–411, 433–444, 605–610
  - calcareous nannofossils, B:320–329, 413–431, 509–523
  - correlation, A:87–88
  - Cretaceous–Paleocene, B:253–318
  - Mesozoic, B:481–490
  - ostracodes, B:525–531
  - planktonic foraminifers, B:335–345
  - Pliocene–Pleistocene, B:533–538
  - radiolarians, B:363–373
  - silicoflagellates, B:493–508
  - Site 959, A:87–93
  - Site 960, A:177–182
  - Site 961, A:234–238
  - Site 962, A:270–274
  - transform faults, A:14, 311–313
- bioturbation
  - lithologic units, A:227
  - photograph, A:77, 79, 81, 232
  - See also* burrows; *Chondrites*; *Ophiomorpha*; *Planolites*; *Thalassinoides*; *Zoophycos*
- biozones, remanent magnetization, A:274–275
- black–brown fragment, Site 959, B:318
- black debris, Site 959, B:318
- black shale
  - structure, B:14
  - transform faults, A:12
- blebs, photograph, B:69
- block structures, tectonics, B:19–20
- borehole breakouts, stress, B:212–213, 215
- borehole deviation, vs. depth, A:118, 203, 292
- borehole elongation, vs. depth, A:121
- Brazil Current, ocean circulation, B:549–551
- breccia
  - hydrothermal alteration, B:98
  - lithologic units, A:266
  - photograph, A:170, 173, 189, 265, 304
  - See also* chert breccia; tectonic breccia
- breccia, calcite-cemented, photograph, A:281
- brecciation
  - Cretaceous, B:14, 16
  - photograph, A:230, 233
  - sandstone, A:188
  - unconformities, B:5
  - veins, A:280–281
- Brunhes Chron, sediments, B:600
- burial depths, thermal diagenesis, B:62–66
- burrow fills, photograph, B:67
- burrows
  - bedding, A:186
  - Coniacian–Eocene, B:117–119
  - lithologic units, A:75–77, 163–166, 228
  - lithology, B:587–588
  - photograph, A:79, 81–82, 99, 164–165; B:589
  - sediments, A:306
  - See also* bioturbation; *Chondrites*
- calcispheres, scanning electron micrograph, continental margin, B:153
- calcite
  - photograph, A:83, 233, 269, 304; B:31
  - precipitation, B:155
  - vein fills, B:4
  - veins, A:303
  - X-ray diffractograms, A:168, 177
- calcite cement
  - lithologic units, A:231
  - photograph, A:231
  - photomicrograph, A:171

## calcite veins

- claystone, A:240; B:6–7
- deformation, B:5–6, 106
- faults, A:279
- geochemistry, B:71–79
- Lower Cretaceous, B:17
- mineralogy, A:186
- photograph, A:266, 280
- sediments, B:16
- structure, A:280–281
- calcium
  - pore water, A:110, 194–195, 244, 285
  - vs. depth, A:110, 194, 245, 285, 311
- caliper logs, vs. depth, A:118, 121, 202–203, 206, 290; B:211, 214–216, 245
- Campanian
  - biostratigraphy, B:279
  - foraminifers, B:391–392
  - subsidence, B:106
  - transform faults, A:12
  - See also* Lower Campanian Event
- carbon, sediments, A:104–105, 242, 282
- carbon, marine organic
  - accumulation, B:570
  - vs. age, B:569
- carbon, organic
  - Neogene, A:310
  - Pliocene–Pleistocene variations, B:557–574
  - Rock-Eval pyrolysis, A:107
  - sediments, A:102–108, 189–190, 242–244, 269–270, 281–283, 306
  - vs. age, B:564
  - vs. depth, A:106, 192, 242, 282; B:564, 590–591
- carbon, terrigenous organic, accumulation, B:570–571
- carbon, total organic
  - Rock-Eval pyrolysis, A:193
  - vs. age, B:568
- carbon/nitrogen ratio
  - organic matter, A:103, 105–106, 190–192, 243
  - Pliocene–Pleistocene variations, B:564–568
  - sediments, A:104–105, 282–284, 310
  - vs. age, B:568
  - vs. depth, A:106, 192, 242, 282
- carbon dioxide. *See* water–methane–carbon dioxide
- carbon isotopes
  - calcite veins, B:73–79
  - foraminifers, B:549
  - vs. age, B:548–549, 568
  - vs. age for *Cibicides wuellerstorfi*, B:549
  - vs. age for *Globigerinoides sacculifer*, B:550
  - vs. age for *Neogloboquadrina dutertrei*, B:550
  - vs. depth, B:540
  - vs. oxygen isotopes, B:74–77
- carbonate compensation depth
  - biostratigraphy, B:489
  - Cenomanian, B:105
  - foraminifers, B:391–393
  - lithologic units, A:267, 282
  - Pliocene, A:313
- carbonate content
  - Pliocene–Pleistocene, B:563–564
  - sediments, A:102–103, 189–190, 242–243, 281–282; B:589–592
  - vs. depth, A:106, 192, 242, 282; B:249, 564, 590–591
- carbonate crisis, middle Miocene, A:312–313
- carbonate rhombs, Neogene, A:308
- carbonates
  - cyclic processes, B:569–570
  - diagenesis, A:110–111, 194–195
  - environment, B:77

- Pliocene–Pleistocene, B:557–574
- sediments, A:242–243
- transform faults, A:305–306
- See also* aragonite; calcite; dolomite; siderite
- cementation, temperature, B:74–76
- cements
  - isotopes, B:73–76
  - See also* calcite cement
- Cenomanian
  - biostratigraphy, B:489
  - calcareous nannofossils, B:325–326
  - carbonate compensation depth, B:105
  - deformation, B:18
  - paleotemperature, B:64
  - periplatform deposits, B:102–103
  - spreading centers, B:65–66
  - thermal events, B:105
  - transform faults, A:12
  - See also* Albian–Cenomanian *Elaeterates* Province; Early Cretaceous–Cenomanian *Trisaccates* Province
- Cenomanian/Turonian boundary, thermal events, B:105
- Cenomanian/Turonian Boundary Event
  - benthic foraminifers, B:375–376
  - paleoenvironment, B:488
- Cenozoic
  - passive margins, B:20
  - planktonic foraminifers, B:445–479
  - transform faults, A:10–11
  - See also* Cretaceous/Tertiary boundary; Neogene; Paleogene; Pleistocene; Quaternary
- Cenozoic, upper, calcareous nannofossils, B:509–523
- Cerebropollenites*. *See* Early Cretaceous *Cerebropollenites* Province
- chalcedony
  - vein fills, B:4
  - veins, A:101
- chalk
  - deformation, B:5–6
  - lithologic units, A:163–166
  - Paleocene, A:307
  - photograph, A:77
  - See also* limestone
- chalk, micrite, lithologic units, A:166–168
- chalk, micrite–nannofossil, lithologic units, A:227
- chalk, nannofossil, lithologic units, A:77–78, 80
- chalk, nannofossil–foraminifer, lithologic units, A:75–77
- chalk, radiolarian nannofossil/micrite, lithologic units, A:164–166
- chaotic sediments, photograph, A:167
- chert
  - lithologic units, A:78, 164–166, 227, 264–266
  - microfolds, A:280
  - paleoenvironment, A:176; B:105
  - photograph, A:228, 265
  - unconformities, B:16–17
- chert breccia, veined, photograph, A:266
- chloride, pore water, A:109, 193, 243, 284
- chlorite
  - diagenesis, A:303, 305
  - lithologic units, A:233
  - recrystallization, B:97
  - thermal diagenesis, B:57–63
  - thermal history, B:97–98
- Chondrites*
  - bedding, A:186
  - Coniacian, A:306
  - lithologic units, A:77–78, 80, 98, 164–166, 228
  - Neogene, A:308

- photograph, A:79, 99, 164–165  
 chromium number  
 chromian spinel, B:134, 136  
 vs. magnesium number, B:137  
 vs. titanium oxide, B:137  
 Chron 3A, magnetostratigraphy, A:276  
 Chron C2An.3n, sediments, A:94  
 Chron C2r, sediments, A:94  
 clastic dikes, photograph, A:172; B:68  
 clastic wedges, transform margins, B:19  
 clastics  
   environment, B:77  
   *See also* siliciclastics  
 clasts  
   photograph, A:173, 233  
   *See also* barite nodules; bioclasts; lithic clasts;  
   mudstone intraclasts; quartz clasts;  
   sandstone clasts; siltstone clasts  
 clasts, rip-up, photograph, A:84–85  
 clathrates  
   melting, B:51  
   *See also* gas hydrates  
 clay  
   diagenesis, A:303, 305  
   lithologic units, A:77–78, 80, 264–266  
   Neogene, A:308–309  
   paleomagnetism, B:201, 203  
   sediments, B:590  
   thermal diagenesis, B:57–65  
   thermal maturation, B:105  
   X-ray diffractograms, A:170, 177  
 clay, goethitic, photograph, A:264  
 clay, palygorskite, lower Eocene, B:141–156  
 clay, pyritic, lithologic units, A:261–264  
 clay, silty, lithologic units, A:261–264  
 clay content, vs. depth, B:231  
 clay minerals  
   lithologic units, A:229–231  
   sediments, B:592–593  
   temperature, B:39  
   vs. depth, B:592  
   X-ray diffraction data, A:77  
   *See also* gibbsite; illite; kaolinite;  
   kaolinite/illite ratio; mixed-layer  
   minerals; montmorillonite;  
   palygorskite; quartz/kaolinite ratio;  
   sepiolite; smectite  
 claystone  
   Coniacian–Eocene, B:117–119  
   décollement structures, B:28  
   deformation, B:6–7  
   deposition, A:308  
   Eocene, B:421  
   lithologic units, A:78, 164–166, 170–174,  
   261–264, 266–267  
   osmium isotopes, B:185–186  
   Paleocene, B:118  
   palygorskite, B:10  
   photograph, A:60; B:69  
   pyrite, B:5  
   rifting, B:115–116  
   thermal diagenesis, B:57–58  
   thermal history, B:97–98  
   X-ray diffractograms, A:168, 264–265  
 claystone, black  
   bedding, 186  
   deposition, B:73  
   lithologic units, A:80–81  
   paleomagnetism, B:203  
   photograph, A:81, 85, 102; B:67  
 claystone, carbonate  
   Albian, B:16–17  
   photograph, A:99  
 claystone, glauconite  
   lithologic units, A:166–168  
   photograph, A:167  
   structure, B:16  
 claystone, micritic, photograph, A:268  
 claystone, nannofossil  
   lithologic units, A:227  
   photograph, A:167  
   sediments, A:306  
 claystone, palygorskite  
   lithologic units, A:166, 264–266  
   photograph, A:168, 229  
 claystone, radiolarian, lithologic units, A:264–266  
 claystone, sideritic, lithologic units, A:170–173  
 claystone, silty  
   Albian, B:117  
   lithologic units, A:82–83, 228–231  
   paleomagnetism, B:204  
   photograph, A:173–174  
 claystone, zeolite  
   lithologic units, A:227  
   X-ray diffractograms, A:228  
 cleavage  
   clays, B:6  
   décollement structures, B:28  
   Lower Cretaceous, B:18  
   photograph, B:33  
   recrystallization, B:97  
 clinoptilolite  
   paleoenvironment, A:176  
   vs. depth, B:590  
   X-ray diffraction, A:177, 228  
 cluster analysis  
   original log curves, B:162–164  
   principal component scores, B:164–165  
 cluster analysis, hierarchical, geochemical logs,  
   B:177–178  
 cluster analysis, nonhierarchical, well logging,  
   B:161–165  
 coarse fraction, sediments, B:591–592  
 coercivity, sediments, A:94–95  
 color banding  
   lithologic units, A:75–77, 227  
   photograph, A:77  
 compression  
   continent/ocean margin, B:102  
   décollement structures, B:29  
 compressional structures, bedding-parallel, folds,  
   A:279  
 compressional wave velocity  
   comparison between continuous and discrete  
   measurements, A:200  
   sediments, A:197, 199, 246, 249, 287–288;  
   bp:CD-ROM  
   vs. depth, A:119; B:211  
   *See also* acoustic units; velocity  
 concretions. *See* clasts; siderite concretions  
 conglomerate  
   Albian, A:103; B:14  
   photograph, A:83  
   structure, B:14, 16  
 Coniacian  
   benthic foraminifers, B:379  
   biostratigraphy, B:278–279, 489  
   clays, B:63  
   foraminifers, B:393  
   lithologic units, A:80–81, 166–170  
   marginal ridges, B:76–78  
   paleomagnetism, B:203–204  
   paleotopography, B:106  
   periplatform deposits, B:102–103  
   planktonic foraminifers, B:335, 338  
   continent/ocean margin, geodynamics, B:101–110  
   continent/ocean transforms  
   Cenomanian–Coniacian, B:116–117  
   Stage 2, B:105–106, 292  
 continental margin  
   geodynamics, B:46–47  
   geology, A:5–16, 297–313  
   tectonics, B:3–11  
   *See also* margin subsidence; marginal ridges;  
   passive margins; transform margins  
 contourite, photograph, B:21  
 convolute bedding  
   claystone, A:188  
   photograph, A:102  
   rheology, B:17  
   sandstone, A:101  
   sediments, A:240–241; B:16  
 cooling, thermal events, B:105  
 core-log comparison, physical properties,  
   B:241–249  
 core orientation  
   magnetism, A:94  
   sediments, A:275–276  
 cores, tensor tool orientations, A:94  
 correlation  
   biostratigraphy, A:87–88, 181  
   *See also* linear correlation  
 Côte d'Ivoire-Ghana continental margin  
   benthic foraminifers, B:375–388  
   calcareous nannofossils, B:413–431, 509–523  
   chromian spinels, B:133–139  
   Cretaceous, B:93–99  
   décollement structures, B:25–33  
   geodynamics, B:101–110  
   geology, A:5–16, 47–62, 297–313  
   in situ stress, B:209–223  
   lithofacies, B:113–123  
   magnetic fabric, B:189–197  
   paleomagnetism, B:199–207  
   palygorskite, B:141–156  
   palynology, B:253–276  
   physical properties, B:225–240  
   planktonic foraminifers, B:445–479  
   structure, B:3–11, 13–23  
   thermal diagenesis, B:53–70  
   thermal history, B:39–41, 43–48  
   uplift and exposure, B:71–79  
   upper Albian, B:125–131  
   well logging, B:157–179  
   *See also* Deep Ivorian Basin  
 Côte d'Ivoire-Ghana marginal ridge  
   planktonic foraminifers, B:457–462  
   post-tectonic subsidence, B:81–91  
   structural data, B:18  
   tectonics, B:3–11  
   transform faults, A:6–8, 298–299, 306–307  
 Côte d'Ivoire-Ghana Slope, planktonic  
   foraminifers, B:457, 462–464  
 Côte d'Ivoire-Ghana Trough, planktonic  
   foraminifers, B:462, 464–465  
 crenulation  
   photograph, A:240  
   structure, A:239–240  
 Cretaceous  
   biostratigraphy, B:481–490  
   calcareous nannofossils, B:319–329  
   continent/ocean margin, B:101–110  
   passive margins, B:20  
   planktonic foraminifers, B:335–345  
   structure, B:93–99  
   thermal diagenesis, B:53–70  
   transform faults, A:10–11, 298  
   *See also* Albian; Aptian; Campanian;  
   Cenomanian; Cenomanian/Turonian  
   boundary; Cenomanian/Turonian  
   Boundary Event; Coniacian; Early  
   Cretaceous *Cerebropollenites*

- Province; Early Cretaceous–  
Cenomanian *Trisaccates* Province;  
Maastrichtian; Santonian; Senonian;  
Senonian *Palmae* Province; Turonian
- Cretaceous, Lower  
benthic foraminifers, B:347–359  
deformation, B:17  
fission-track data, B:39–41, 43–48  
*See also* Pre-Albian West Early Cretaceous  
*Dicheiropollis etruscus*/*Afropollis*  
Province
- Cretaceous, Middle  
radiolarians, equatorial, B:363–373  
transform faults, A:14
- Cretaceous, Upper, benthic foraminifers,  
B:375–411
- Cretaceous–Paleocene, palynology, B:253–318
- Cretaceous/Tertiary boundary  
agglutinated foraminifers, B:389–411  
benthic foraminifers, B:403  
calcareous nannofossils, B:320  
paleoceanography, B:395–396  
paleoenvironment, B:488
- cross bedding  
photograph, A:269  
sandstone, A:101
- cross laminations  
claystone, A:188  
photograph, A:269  
sediments, B:16  
structure, A:281
- cross sections, tectonics, B:19
- cross stratification, photograph, A:79, 85–86
- crust  
continental and oceanic linkage, B:10  
thermal events, B:47  
thickness, B:220–221  
transform faults, A:52
- crystallization, fluid inclusions, B:50–51
- currents  
ocean circulation, B:549–551  
*See also* Benguela Current; Brazil Current;  
Equatorial Undercurrent; Guinea  
Current; Intertropical Convergence  
Zone; North Equatorial Current; ocean  
circulation; South Equatorial Current
- cuticle, Site 959, B:318
- cyclic processes  
magnetic susceptibility, A:93  
Quaternary, B:589–591  
sands and carbonates, B:569–570  
tectonics, B:120–121
- cyclopentone, biomarkers, B:599
- cynnamyls/vanillyls ratio, biomarkers, B:597
- Danian, biostratigraphy, B:282–283, 285
- dark layers, photograph, B:589
- datum levels, accumulation rates, A:97
- décollement structures  
deformation, B:25–33  
interpretation, B:27
- Deep Ivorian Basin  
calcareous nannofossils, B:319–329  
clastic wedges, B:19  
deposition, A:270  
extension tectonics, B:96  
paleoenvironment, B:105  
planktonic foraminifers, B:449–457  
silicoflagellates, B:493–508  
transform faults, A:6–8, 297–299, 306–307
- deep water  
transform faults, A:14  
*See also* North Atlantic Deep Water
- deformation  
columns, A:302  
décollement structures, B:25–33  
deposition, B:73  
distribution, B:18  
lithologic units, A:188, 231  
mechanism, B:28–29  
reefs, B:77  
sediments, B:4–5  
stages, B:104–105  
structure, B:5–7, 35–41  
transform faults, A:13, 298–309; B:13–23  
*See also* crenulation; décollement structures;  
en echelon folds; faults; fissures; folds;  
fractures; friction; lineation;  
microstructures; mineral lineation;  
pop-up structures; rheology; sand  
pipes; scoured contacts; sediment  
loading; sedimentary structures; soft  
sediment deformation; structure;  
tension gashes; water-escape  
structures
- deformation, synlithification, sediments, A:241
- deformation, syntransform, thermal history, B:41
- degradation, A:109, 193–194, 284, 311
- deltaic environment  
cyclic processes, B:120–122  
rifting, B:115–116
- demagnetization, sediments, B:201
- density  
boreholes, B:241–242  
crust, B:220–221  
multisensor track, A:112–113, 196, 245–246,  
286  
sediments, B:232–233  
vs. depth, A:118
- density, bulk  
comparison between continuous and discrete  
measurements, A:199–200  
sediments, B:561–562  
vs. depth, A:112, 114, 117, 119, 198, 200, 248,  
286, 288; B:211, 234, 235, 239, 536  
vs. traveltime, B:229, 236, 240
- density, bulk, Boyce-corrected, vs. depth, A:196,  
286
- density, dry, vs. depth, A:114, 198, 248, 288
- density, grain, vs. depth, A:114
- density, solids-grain, vs. depth, A:198, 248, 288
- density-flow deposits, photograph, A:79
- density logs  
vs. depth, A:202; B:231, 235, 239, 244  
vs. velocity logs, B:246, 248  
*See also* gamma ray–density–porosity logs
- deposition  
environment, B:72–73  
Eocene, B:421  
Pliocene–Pleistocene, B:557–574  
transform faults, A:299–309  
*See also* hemipelagic deposition; marine  
deposition; paleoenvironment;  
precipitation; sedimentation; synrift  
deposition
- detrinite, vs. age, B:568
- detrital sedimentation, palygorskite, B:148–149
- diagenesis  
calcite veins, B:73–76  
carbonates, A:110–111, 194–195, 243  
clays, A:303, 305  
palygorskite, B:149  
recrystallization, B:97–98  
sediments, B:599  
temperature, B:74–76  
*See also* authigenesis; cementation;  
glauconitization; lithification;  
metamorphism; neof ormation;
- pyritization; recrystallization
- diagenesis, thermal  
Cretaceous, B:53–70  
photograph, B:68–70
- diapirs, paleotemperature, B:64
- diatomite  
faults, B:4–5  
lithologic units, A:77–78, 80  
photograph, A:79
- diatomite, laminated, osmium isotopes,  
B:184–185
- diatoms  
lithologic units, A:264–266  
Neogene, A:308  
*Dicheiropollis etruscus*. *See* Pre-Albian West  
Early Cretaceous *Dicheiropollis*  
*etruscus*/*Afropollis* Province
- dinoflagellate cyst, Site 959, B:318
- dinoflagellates  
Cretaceous–Paleocene, B:253–276  
depth and recovery, B:283  
range chart, B:282
- dip  
bedding, A:98, 278–279, 309; B:8  
microfolds, A:280  
photograph, B:21  
sediments, B:83  
vs. depth, A:121–122, 185, 207, 239, 278  
*See also* bedding; fault dip
- dip ranges, faults, B:8
- discoasters  
diversity, B:580  
vs. depth, B:582  
*See also* nannofossils
- dissolution  
artifacts, B:549  
carbonates, A:103, 243; B:547  
fractures, B:76  
lithologic units, A:163  
photomicrograph, A:171
- dissolution rates, middle Eocene, B:435–436
- dolomite  
lithologic units, A:163  
Neogene, A:308  
photograph, A:83  
scanning electron micrograph, B:156  
sediments, A:244
- dolomite, sandy, lithologic units, A:81–82
- downhole measurements  
Site 959, A:116–123  
Site 960, A:200–204  
Site 962, A:290–291; B:212  
*See also* core-log comparison; well logging
- duricrusts, paleoenvironment, A:175–176
- dynamic intensity, vs. depth, B:596
- dysaerobic regime, Coniacian–Eocene, B:118
- Early Cretaceous *Cerebropollenites* Province,  
microfloral provinces, B:254
- Early Cretaceous–Cenomanian *Trisaccates*  
Province, microfloral provinces, B:254
- earthquakes, strike-slip faults, B:220–221
- Eastern Atlantic Basin, transform faults, A:14
- eigenvalues, well logging, B:163
- El Niño/Southern Oscillation, ocean circulation,  
B:550
- Elaterates*. *See* Albian–Cenomanian *Elaterates*  
Province
- elemental yields, normalization, B:174–175
- en echelon folds  
clastic wedges, B:19  
transform faults, A:52
- Eocene  
calcareous nannofossils, B:421

- diatomites, B:184–185  
 lithologic units, A:166, 227–228  
 palygorskite, B:10  
 sedimentation rates, A:95  
 slope instability, B:106  
 Eocene, lower, palygorskite, B:141–156  
 Eocene, middle, benthic foraminifers, B:433–444  
 eolian processes  
   terrigenous organic carbon, B:570–571  
   *See also* wind transport  
 epithermal neutron porosity, vs. depth, B:245  
 Equatorial Atlantic Gateway  
   opening, B:364, 366  
   *See also* gateways  
 Equatorial Divergence Zone, terrigenous organic carbon, B:571  
 Equatorial Undercurrent, ocean circulation, B:550  
 erosion  
   paleoenvironment, A:175–176  
   thermal history, B:41  
   uplifts, B:71–79  
 erosional surfaces, paleoenvironment, B:105  
 ethane  
   headspace gases, A:192, 284  
   sediments, A:108  
   source rocks, A:243  
 eustasy  
   cycles, B:120–121  
   *See also* glacio-eustasy; sea-level changes  
 extension  
   basins, B:96  
   décollement structures, B:28  
   normal faults, B:17  
 fabric. *See* magnetic fabric  
 facies  
   transform faults, A:298–309  
   *See also* biofacies; lithofacies  
 fault azimuth, vs. depth, B:86, 89  
 fault dip, vs. depth, B:86  
 fault planes  
   décollement structures, B:25–26  
   lithologic units, A:231  
   sediments, A:98–100  
 fault strike, rotation axes, B:89–90  
 faults  
   deformation, B:9–10  
   dip ranges, B:8, 83–87  
   friction, B:46  
   offsets, B:4–5  
   photograph, A:81, 187, 207, 240–241, 280; B:6  
   relative proportion of different types, B:8  
   sandstone, A:101  
   structure, A:186–187, 239–240, 278–279  
   unconformities, B:17  
   *See also* block structures; grabens; horsts; microfaults; normal faults; oblique-slip faults; reverse faults; slickensides; strike-slip faults; transcurrent faults; transform faults  
   faults, anastomosing, photograph, A:99  
   faults, listric, photograph, B:31  
   faults, synsedimentary  
     laminated siltstone, A:242  
     rheology, B:17  
     sediments, A:241; B:16  
 feldspar  
   lithologic units, A:168–170  
   photomicrograph, A:171  
   *See also* plagioclase; potassium feldspar  
 fibers, scanning electron micrograph, B:153, 156  
 fish debris, lithologic units, A:166–168  
 fission-track data  
   apatite, B:35–41, 105  
   thermal history, B:39–41, 43–48  
 fissures  
   sandstone, A:188  
   sediments, B:16  
 floatstone  
   lithologic units, A:168  
   photomicrograph, A:171  
 floral provinces, Cretaceous–Paleocene, B:254–258, 261–262  
*Florispheera profunda*, vs. depth, B:582  
 flow, lateral, salt brines, B:149  
 fluid circulation, heat sources, B:51–52  
 fluid inclusions, paleofluids, B:49–52  
 folds  
   black claystone, B:5  
   compressional structures, A:279  
   décollement structures, B:26–28  
   deformation, B:9–10  
   photograph, A:189  
   structure, A:279–280  
   tilting, B:9  
   transform faults, A:303  
   unconformities, B:17  
   *See also* microfolds; slump folds  
 folds, refolded, photograph, B:32  
 foraminifers  
   hydrography, B:539–555  
   lithologic units, A:163, 227  
   lithology, B:587–588  
   Mesozoic, B:481–490  
   Neogene, A:308–309  
   photograph, A:77, 81; B:589  
   Pliocene–Pleistocene, B:563–564  
   Site 962, B:276  
 foraminifers, benthic  
   biostratigraphy, A:237–238  
   Cretaceous/Tertiary boundary, B:403  
   Lower Cretaceous, B:347–359  
   middle Eocene, B:433–444  
   Pleistocene, B:605–610  
   Upper Cretaceous, B:375–411  
 foraminifers, deep-water agglutinated  
   Mesozoic, B:488  
   paleoenvironment, B:379–381, 389–411  
 foraminifers, planktonic  
   biostratigraphy, A:90–92, 180–182, 236–237, 272–273  
   Cenozoic, B:445–479  
   chemistry as proxy for thermocline structure, B:551–552  
   Cretaceous, B:335–345  
   isotopic and depth-stratification, B:541–548  
   photograph, A:172  
 formation factor, sediments, A:200; bp:CD-ROM  
 Formation MicroScanner imagery  
   bioturbated sediments, A:120, 122  
   in situ stress, B:209–223  
   marginal ridges, B:81–91  
   structures, A:119–121, 202–204  
 Formation MicroScanner imagery logs, vs. depth, A:206  
 fractionation  
   iridium vs. osmium, sediments, B:183–184  
   sulfur isotopes, B:127, 129–131  
 fracture azimuth, vs. depth, B:211  
 fracture zones, crust, B:10, 81–82  
 fractures  
   claystone, B:6–7  
   downhole variation, B:219  
   folds, A:279  
   Formation MicroScanner imagery, B:217–218  
   Lower Cretaceous, B:17  
   photograph, A:233, 280; B:21  
   sediments, A:279  
   unconformities, B:5  
   veins, B:73–76  
 fractures, iron-coated, décollement structures, B:25–26  
 fractures, tectonic, photograph, A:231  
 fractures, tensile wall, stress, B:213–214  
 fractures, vertical, borehole wall, B:216  
 friction  
   faults, B:46  
   transform faults, B:51–52  
 fungal spore, Site 959, B:318  
 furfural + acetic acid/pyrrol ratio biomarkers, B:598–599  
   vs. depth, B:599  
 gamma ray–density–porosity logs, vs. depth, A:140–144, 211–212  
 gamma ray–resistivity logs  
   comparison of Sites 959, 960, and 962, A:292, 294  
   vs. depth, A:214–215  
 gamma ray–resistivity–sonic logs, vs. depth, A:135–139, 209–210  
 gamma-ray logs  
   statistical analysis, B:167  
   vs. depth, A:148–150, 202–204, 290  
 gamma rays  
   multisensor track, A:113  
   vs. depth, A:112, 118–119, 196, 246, 286  
 gas hydrates. *See* clathrates  
 gateways  
   Albian, B:364, 366  
   transform faults, A:15  
   *See also* Equatorial Atlantic Gateway  
 Gauss Chron, sediments, A:94  
 geochemical logs  
   evaluation, B:171–179  
   statistical analysis, B:159–170  
   vs. depth, A:145–147; B:249  
 geochemistry  
   organic matter, A:310  
   pore-filling, B:71–79  
   *See also* elemental yields  
 geochemistry, inorganic  
   Site 959, A:108–112  
   Site 960, A:192–195  
   Site 961, A:243–245  
   Site 962, A:284–286  
   Sites 959–962, A:310–311  
 geochemistry, organic  
   Site 959, A:102–103, 105–108  
   Site 960, A:188–192  
   Site 961, A:241–243  
   Site 962, A:281–284  
   Sites 959–962, A:310  
 geochemistry, source-rock  
   Site 959, A:108  
   Site 960, A:192  
   Site 961, A:243  
   Site 962, A:284  
 geochronology  
   fission-track data, B:35–41  
   osmium isotopes, B:181–186  
   thermal history, B:43–48  
   transform faults, A:10–11  
   *See also* age  
 geodynamics  
   transform margins, B:101–110  
   *See also* tectonics  
 geology, continental margin, A:5–16; B:94  
 geothermal gradient  
   thermal diagenesis, B:62–66  
   veins, B:77

- Ghana  
 accumulation rates, B:569–571  
 Pliocene–Pleistocene, B:557–574  
*See also* Côte d'Ivoire-Ghana continental margin; Côte d'Ivoire-Ghana marginal ridge; Côte d'Ivoire-Ghana Slope; Côte d'Ivoire-Ghana Trough
- gibbsite  
 sediments, B:590  
 vs. depth, B:590, 593  
 X-ray diffractograms, A:264
- glacial/interglacial cycles  
 accumulation, B:571–572  
 Neogene, A:310
- glaciation  
 accumulation rates, B:600–601  
 cycles, B:589–591  
 sand and carbonate cycles, B:569–570
- glacio-eustasy  
 accumulation, B:599  
*See also* eustasy; sea-level changes
- glauconite  
 Coniacian–Eocene, B:118  
 foraminifers, B:588  
 lithologic units, A:75–77, 163, 166–170, 227–231, 263  
 Neogene, A:308–309  
 photograph, A:79, 83, 229–230  
 scanning electron micrograph, B:155  
 X-ray diffraction data, A:177; B:145, 147
- glauconite pellets  
 paleoenvironment, A:176  
 photograph, A:165
- glauconitization  
 green grains, B:594  
 Neogene, A:308–309
- Global Stratotype Section and Point,  
 Paleogene/Neogene boundary, B:415
- goethite  
 lithologic units, A:262, 269  
 Neogene, A:308–309  
 photograph, A:264  
 X-ray diffractograms, A:264
- Gondwana, basement, B:94
- grabens, blocks, B:6
- graded bedding, photograph, A:79
- grain size  
 textures, B:594  
 vs. depth, B:596  
*See also* coarse fraction; sand fraction
- grainstone  
 Cenomanian–Coniacian, B:116–118  
 Coniacian–Eocene, B:119  
 faults, A:186–187  
 photograph, B:119  
 structure, B:14, 16
- grainstone, skeletal  
 lithologic units, A:168–170  
 photograph, A:169, 172
- gravimetry, transform faults, A:48–49
- gravity gliding  
 faults, B:91  
 photograph, B:21, 22  
 sedimentation, B:104
- gravity tectonics, décollement structures, B:30
- Great Abaco Member, biosiliceous event, A:312
- green grains  
 clays, B:593–594  
 sediments, B:593–594  
 vs. depth, B:590–591  
 X-ray diffraction data, B:595
- Guinea Current, Intertropical Convergence Zone, B:553–554
- Gulf of Guinea  
 eolian supply, B:572  
 ostracodes, B:525–531  
 paleoenvironment, B:585–603  
 thermocline depth, B:552–553
- hardgrounds  
 Coniacian–Eocene, B:117–119  
 deposition, B:73  
 lithologic units, A:164  
 paleomagnetism, B:204
- hardgrounds, glauconitic  
 Albian, A:307  
 photograph, A:265
- hardgrounds, phosphatic  
 Coniacian–Santonian, A:81, 306–307  
 photograph, A:84–85
- heat sources, fluid circulation, B:51–52
- heating, hydrothermal circulation, B:46
- hemipelagic deposition  
 lithologic units, A:267–270  
 paleoenvironment, A:176  
 passive margins, A:234
- heulandite, X-ray diffractograms, A:228
- hexane, sediments, A:108
- hiatuses  
 accumulation rates, B:600–601  
 Miocene, B:519–521  
 Paleogene, B:421–423, 429  
 passive margins, A:234  
*See also* erosional surfaces; unconformities
- horst-and-graben structure, photograph, A:241
- horsts, blocks, B:6
- hydrocarbons  
 transform faults, A:12  
*See also* ethane; hexane; methane;  
 methane/ethane ratio
- hydrocarbons, aromatic  
 biomarkers, B:598  
 vs. depth, B:597
- hydrocarbons, volatile  
 chromatographs, A:71  
 sediments, A:108
- hydrogen index  
 organic matter, A:106, 108, 190–192  
 Pliocene–Pleistocene variations, B:564–568  
 Rock-Eval pyrolysis, A:107, 193  
 sediments, A:244, 283  
 vs. age, B:568  
 vs. depth, A:284  
 vs. maximum temperature, A:108  
 vs. temperature, A:192
- hydrography  
 Miocene–Pliocene, equatorial, B:539–555  
 surface wind, B:549–551
- hydrothermal alteration  
 breccia, B:98  
 palygorskite, B:149
- hydrothermal circulation  
 heating, B:46  
 transform faults, B:51–52
- hydrothermal fluids, quartz, A:188
- hydroxybenzyls  
 biomarkers, B:597  
 sediments, B:590  
 vs. depth, B:590, 598
- illite  
 lithologic units, A:233  
 recrystallization, B:97  
 thermal diagenesis, B:57–63  
 vs. depth, B:592–593  
 X-ray diffractograms, A:177, 228, 264–265  
*See also* kaolinite/illite ratio
- inclusions. *See* fluid inclusions
- index properties, sediments, A:113–114, 197–198, 246, 248, 287–288; bp:CD-ROM
- indols, biomarkers, B:599
- Intertropical Convergence Zone, ocean circulation, B:549–554, 558
- Interval A, organic carbon and carbonate content, A:102–103
- Interval B, organic carbon and carbonate content, A:103
- Interval C, organic carbon and carbonate content, A:103
- Interval D, organic carbon and carbonate content, A:103
- Interval E, organic carbon and carbonate content, A:103
- Interval F, organic carbon and carbonate content, A:103
- Interval G, organic carbon and carbonate content, A:103
- Interval H, organic carbon and carbonate content, A:103
- intracontinental sedimentation, cyclic processes, B:120–122
- intracontinental transform, Stage 1, B:104–105, 291–292
- intraplate basalts, chromian spinel, B:138
- iridium  
 sediments, B:182–184  
 vs. osmium, sediments, B:183  
*See also* osmium/iridium ratio
- iron  
 green grains, B:593–594  
 pore water, A:112, 195, 243, 284–285  
 vs. depth, A:195, 311
- iron number  
 chromian spinel, B:134, 136  
 vs. titanium oxide, B:137
- isotopes  
 cements, B:73–76  
 sediments, A:14  
*See also* carbon isotopes; osmium isotopes;  
 oxygen isotopes; stable isotopes
- Ivorian Basin. *See* Deep Ivorian Basin
- Ivory Coast  
 accumulation rates, B:569–571  
 Pliocene–Pleistocene, B:557–574  
*See also* Côte d'Ivoire-Ghana continental margin; Côte d'Ivoire-Ghana marginal ridge; Côte d'Ivoire-Ghana Slope; Côte d'Ivoire-Ghana Trough
- Jurassic. *See* Bajocian
- kaolin, thermal diagenesis, B:58
- kaolinite  
 mineralization, B:17  
 paleoenvironment, A:176  
 photograph, A:83  
 thermal diagenesis, B:58–63  
 veins, A:186; B:4–5  
 vs. depth, B:592  
 X-ray diffractograms, A:77, 168, 177, 264–265  
*See also* quartz/kaolinite ratio
- kaolinite/illite ratio, vs. depth, B:593
- kaolinite veins  
 microfolds, B:5  
 photograph, B:68  
 sediments, B:16  
 thermal history, B:45
- Kelvin waves, monsoons, B:554
- Krithe* sp. carapace, Site 959, B:529
- lacustrine environment

- cyclic processes, B:120–122  
deposition, B:72–73  
paleoenvironment, A:174–175; B:133–134  
sulfur isotopes, B:130
- lag deposits, Albian, A:307
- laminations  
lithologic units, A:75–77, 171–174, 266–267  
paleoenvironment, B:133–134  
photograph, A:77, 82, 85, 102, 173, 232, 268–270; B:21
- lepispheres, scanning electron micrograph, B:153
- limestone  
Coniacian–Eocene, B:117–119  
deposition, B:73  
lithologic units, A:81–82, 266–267  
paleotopography, B:106  
petrography, B:119–120  
sedimentary structures, B:89  
*See also* chalk; floatstone; grainstone; micrite; packstone
- limestone, dolomitic, photograph, A:170
- limestone, fine-grained, photograph, A:268
- limestone, micritic, photograph, A:229, 270
- limestone, quartz sandy  
lithologic units, A:81–82, 168–170, 266–267  
paleomagnetism, B:204  
photograph, A:268; B:118, 123
- linear correlation, well logging, B:162
- lineation  
kaolinite veins, B:5–6  
*See also* mineral lineation
- lithic clasts, provenance, B:120
- lithification  
décollement structures, B:29  
temperature, B:74–76  
transform faults, A:302–303  
*See also* synlithification
- lithofacies  
Paleogene, B:421–423  
tectonics, B:113–123  
vs. depth, B:286, 288, 290  
*See also* biofacies; microfacies; palynofacies
- lithologic units  
biostratigraphy, B:482–487  
physical properties, A:75–84, 162–174, 226–231, 261–267; B:241–249  
statistical analysis, B:165–166  
Unit I, A:75–77, 162–164, 226–227, 261–264  
Unit II, A:77–80, 164–166, 227–228, 264–266  
Unit III, A:80–81, 166, 228–231, 266–267  
Unit IV, A:81–82, 166–170  
Unit V, A:82–83, 170–174
- lithology  
microsequences, B:587–588  
transform faults, A:10  
well logging, B:157–170
- lithostratigraphy  
lithofacies, B:212  
master column, A:125–133  
Site 959, A:74–87  
Site 960, A:152–155, 161–177  
Site 961, A:225–234  
Site 962, A:260–270
- Lizard Springs Fauna, foraminifers, B:392
- load casts, photograph, A:174
- load structures, sandstone, A:188
- Lower Campanian Event  
paleoceanography, B:393–395  
paleoenvironment, B:488
- luene. *See* benzene/luene ratio
- Maastrichtian  
biostratigraphy, B:279, 282–283, 285  
hydrothermal alteration, B:98
- lithologic units, A:166–170, 228–231  
transform faults, A:12
- magmatism, relation to tectonics and sedimentation, B:137–138
- magnesium  
pore water, A:111, 195, 244, 285  
vs. depth, A:110, 194, 245, 285, 311
- magnesium number  
chromian spinel, B:134, 136  
vs. chromium number, B:137
- magnetic anisotropy  
magnetic fabric, B:192–195  
*See also* anisotropy
- magnetic declination, vs. depth, A:96, 184, 276–277
- magnetic fabric  
photograph, B:195  
sediments, B:189–197
- magnetic field, transform faults, A:61
- magnetic inclination  
histograms, B:204, 205–207  
vs. depth, A:95–96, 184, 276–277
- magnetic intensity, vs. depth, A:95–96, 183–184
- magnetic intensity, natural remanent magnetization  
vs. depth, A:239, 275
- magnetic polarity, sediments, A:94
- magnetic susceptibility  
magnetic fabric, B:192  
vs. depth, A:183
- magnetic susceptibility, bulk  
sediments, A:93, 182, 238, 274  
vs. depth, A:93, 239, 275; B:541
- magnetism, transform faults, A:48–49, 61
- magnetite, sediments, A:94
- magnetostratigraphy, sediments, A:94, 276
- manganese  
pore water, A:195, 284–285  
vs. depth, A:110, 194, 311
- manganese crusts  
Albian, A:307  
lithologic units, A:268
- manganese nodules, lithologic units, A:268
- mantle, chromian spinel, B:138
- margin subsidence, paleoenvironment, A:176
- marginal ridges  
basins, B:41  
evolution, B:76–78  
paleofluids, B:49–52  
Paleogene, B:421–423  
subsidence, B:81–91  
tectonics, B:3–11  
transform faults, A:301  
uplifts, A:301
- marine deposition, paleoenvironment, A:174–175
- marine environment  
deposition, B:72–73  
rifting, B:115–116
- master column, lithostratigraphy, A:125–133
- maturation. *See* thermal maturation
- Matuyama Chron, sediments, A:94; B:599–600
- Mauritania, accumulation rates, B:600
- Mesozoic  
biostratigraphy, B:481–490  
*See also* Cretaceous; Bajocian
- metamorphic rocks, provenance, B:119–120
- metamorphism  
iron oxides, B:97–98  
*See also* anchimetamorphism
- metasediments, transform faults, A:10
- methane  
headspace gases, A:192, 284  
sediments, A:108–109  
source rocks, A:243  
vs. depth, A:108, 110, 194, 244  
*See also* water–methane–carbon dioxide
- methane/ethane ratio  
sediments, A:71  
vs. depth, A:109
- mica  
Coniacian–Eocene, B:118  
thermal diagenesis, B:57–58  
thermal history, B:97–98
- micrite  
lithologic units, A:78, 80, 226–227, 261–264, 266–267  
paleomagnetism, B:201, 203  
photograph, A:228; B:123
- microbes, organic matter, A:109
- microfacies, Quaternary, B:589
- microfaults  
black claystone, B:5  
clays, B:6  
claystone, A:279; B:6–7  
décollement structures, B:26, 29  
packstone, A:186–187  
photograph, A:189, 240–241; B:7  
sediments, A:98–100  
structure, A:239–240; B:6, 16
- microfolds  
clays, B:6, 16  
compression, B:6–7  
kaolinite veins, B:5  
packstone, A:186–187  
photograph, A:280, 304; B:21–22, 31  
pop-up structures, A:279  
rheology, B:17  
sediments, A:280  
stages, B:104–105  
*See also* folds
- microfolds, asymmetric  
association with reverse faults, B:23  
photograph, B:32
- microfolds, isoclinal  
décollement structures, B:28  
photograph, B:33, 99
- microfolds, synsedimentary, Lower Cretaceous, B:16–17
- microforaminiferal test lining, Site 959, B:318
- microsequences  
lithology, B:587–588  
photograph, B:589
- microslumps, sediments, B:16
- microslumps, synsedimentary, Lower Cretaceous, B:16–17
- microstructures  
diagrams, A:305  
Quaternary, B:589  
rheology, B:17  
uplifts, B:18  
*See also* deformation; microfaults; microfolds; sedimentary structures
- microthermometry, quartz veins, B:51
- mineral lineation  
strike-slip faults, A:187  
*See also* lineation
- mineralization  
faults, A:186  
photograph, A:280  
pyrite, B:5–7
- Miocene  
biosiliceous event, A:312  
biostratigraphy, B:449–465  
condensed record, B:519  
correlation of hiatuses with deep-sea hiatuses, B:520–521  
hiatuses, B:519–521  
lithologic units, A:77–78, 80, 164–166, 227,



- 262–264  
 sedimentation rates, A:96, 184, 276  
 transform faults, A:12  
*See also* Oligocene–Miocene;  
 Oligocene/Miocene boundary
- Miocene, lower, calcareous nannofossils, B:516–517
- Miocene, middle  
 calcareous nannofossils, B:517–518  
 carbonate crisis, A:312–313
- Miocene, upper  
 calcareous nannofossils, B:517–518  
 interval without *Reticulofenestra pseudumbilicus*, B:517–518
- Miocene–Pliocene, hydrography, B:539–555
- mixed-layer minerals  
 lithologic units, A:229–231  
 X-ray diffractograms, A:228, 264–265
- monsoons  
 Intertropical Convergence Zone, B:554, 558  
 paleoceanography, A:14
- montmorillonite, vs. depth, B:592
- mudstone intraclasts, lithologic units, A:168–170
- nacrite, thermal diagenesis, B:58–63
- nacrite veins, thermal history, B:66
- nannofossils  
 lithologic units, A:266–267  
 Mesozoic, B:481–490  
 Neogene, A:308–309  
 relative abundances of warm- and cool-water indicator species, B:583  
 scanning electron micrograph, B:153, 155  
 species diversity, B:583  
 vs. depth, B:582  
*See also* discoasters
- nannofossils, calcareous  
 biostratigraphy, A:87–90, 177–180, 234–236, 270–272; B:533–538, 575–583  
 Cretaceous, B:319–329  
 Paleogene, B:413–431  
 upper Cenozoic, B:509–523
- neof ormation  
 chlorite-mica stacks, thermal history, B:97  
 smectite, B:599
- Neogene  
 nannofossil/foraminifer oozes, B:184–185  
 ostracodes, B:525–531  
 paleoceanography, A:309–313; B:520  
*See also* Paleogene/Neogene boundary
- Nigeria, Cretaceous, B:93–99
- nitrogen  
 sediments, A:104–105, 189–190, 242  
*See also* carbon/nitrogen ratio
- nitrogen compounds  
 biomarkers, B:598  
 vs. depth, B:597
- nodules. *See* barite nodules; manganese nodules; phosphate nodules; pyrite nodules
- normal faults  
 claystone, A:279; B:6–7  
 décollement structures, B:25–26  
 diagrams, A:305  
 extension, B:17  
 microfolds, A:188  
 movement, B:7–8  
 photograph, A:100, 207, 241, 304; B:7, 21–22, 31, 99  
 sediments, A:98–100  
 stages, B:104–105  
 stereographic projection, A:100–101  
 structure, A:240; B:6  
 tilting, A:279; B:87, 89–90  
 transform faults, A:302
- Upper Cretaceous, B:14
- normal faults, conjugate, deformation, B:25
- North Atlantic Deep Water  
 lithology, B:587–588  
 sediments, B:569–570, 599  
*See also* deep water
- North Equatorial Current, ocean circulation, B:549–551, 554
- nutricline, Pliocene–Pleistocene, B:579–580
- oblique-slip faults, movement, B:7–8
- ocean circulation  
 currents, B:549–551  
*See also* currents
- Oceanic Anoxic Event. *See* pre-Oceanic Anoxic Event 1d; pre-Oceanic Anoxic Event 2
- Oceanic Anoxic Event 3  
 radiolarians, B:364, 366–367  
*See also* anoxic environment
- oceans. *See* continent/ocean margin
- Oligocene  
 biosiliceous event, A:312  
 diatomites, B:184–185  
 lithologic units, A:78, 80  
 paleomagnetism, B:201–203
- Oligocene–Miocene, silicoflagellates, B:493–508
- Oligocene/Miocene boundary, calcareous nannofossils, B:415, 516
- ooze  
 deformation, B:5–6  
 faults, A:186–187  
 sedimentation rates, A:276–277
- ooze, foraminifer–nannofossil, lithologic units, A:226–227
- ooze, nannofossil, lithologic units, A:226–227
- ooze, nannofossil/foraminifer  
 lithologic units, A:75–77, 162–166  
 osmium isotopes, A:261–264
- opal-A, Albian, A:307
- opal-CT  
 Albian, A:307  
 lithologic units, A:164, 166, 227, 234  
 radiolarians, B:364  
 scanning electron micrograph, B:153, 156
- Ophiomorpha*, lithologic units, A:77, 166
- organic matter  
 biomarkers, B:595–599  
 composition, A:103, 105–106, 108, 243, 269, 282–284; B:567–568  
 Cretaceous–Paleocene, B:254–255  
 degradation, A:109, 193–194, 284  
 diagenesis, A:303, 305, 310  
 lithologic units, A:86  
 sediments, A:190–192  
 transform faults, A:12  
 vs. depth, B:260, 286, 288, 290  
*See also* dark layers
- organic matter, marine, vs. age, B:568
- orthoquartzite, transform faults, A:10
- osmium  
 sediments, A:14; B:182–184  
 vs. iridium, sediments, B:183  
*See also* rhenium/osmium ratio
- osmium/iridium ratio, sediments, B:183–184
- osmium isotopes  
 seawater, B:181–186  
 vs. age, B:184  
 vs. rhenium/osmium ratio, B:185
- ostracodes, Neogene, B:525–531
- outcrops, photograph, A:60
- oxidation, organic carbon, A:109
- oxides, percentages, B:175
- oxygen index  
 Rock-Eval pyrolysis, A:107, 193
- sediments, A:244, 283
- oxygen isotopes  
 calcite veins, B:73–79  
 foraminifers, B:548–549  
 vs. age, B:548–549, 564  
 vs. age for *Cibicides wuellerstorfi*, B:549  
 vs. age for *Globigerinoides sacculifer*, B:550  
 vs. age for *Neoglobobadrina dutertrei*, B:550  
 vs. carbon isotopes, B:74–77  
 vs. depth, B:540, 564, 590–591, 593
- oxygen minimum zone, Upper Cretaceous, B:375–388
- Pacific/Atlantic–type mixture, sand and carbonate cycles, B:569–570
- packstone  
 Cenomanian–Coniacian, B:116–118  
 Coniacian–Eocene, B:119  
 faults, A:186–187
- packstone, quartz-sandy, photograph, B:119
- packstone, skeletal  
 lithologic units, A:168–170  
 photograph, A:169, 172
- paleo-surface water  
 calcareous nannofossils, B:327  
*See also* surface water
- paleobathymetric curve, vs. depth, B:286, 288, 290
- paleobathymetry  
 changes, B:106  
 foraminifers, B:391–393  
 middle Eocene, B:435–436, 438  
*See also* bathymetry
- paleobiogeography  
 benthic foraminifers, B:352, 379–380  
 Cretaceous–Paleocene, B:254–258, 261–262  
 Mesozoic, B:488–489  
 radiolarians, B:364, 366–367
- paleoceanography  
 calcareous nannofossils, B:327  
 Pliocene–Pleistocene, B:568–572, 575–583  
 radiolarians, B:363–373  
 transform faults, A:13–15, 298–313  
 Upper Cretaceous, B:393–396
- Paleocene  
 agglutinated foraminifers, B:389–411  
 claystone, B:118, 185–186  
 lithologic units, A:80–81, 227–228  
 paleomagnetism, B:203  
 sedimentation rates, A:95  
 transform faults, A:12  
 unconformities, B:16  
*See also* Cretaceous–Paleocene; Danian
- paleoclimatology  
 Pliocene–Pleistocene, B:568–572, 575–583  
 Quaternary, B:585–603
- paleoecology, Upper Cretaceous, B:375–388
- paleoenvironment  
 benthic foraminifers, B:349, 352, 605–610  
 Cenomanian, B:105  
 Cretaceous–Paleocene, B:262, 293  
 deposition, A:174–177; B:72–73  
 lacustrine environment, B:133–134  
 lithofacies, B:115–122  
 Mesozoic, B:481–490  
 osmium isotopes, B:186  
 Pliocene–Pleistocene, B:557–574  
 Quaternary, B:585–603  
 sulfur isotopes, B:129–131  
 Upper Cretaceous, B:375–388  
*See also* deltaic environment; lacustrine environment; marine environment; pelagic deposition; periplatform deposits; shelf environment; tropical

- environment
- paleofluids, fluid inclusions, B:49–52
- Paleogene
- calcareous nannofossils, B:413–431
- paleomagnetism, B:201–203
- Paleogene/Neogene boundary, calcareous nannofossils, B:415
- paleogeography
- Cretaceous–Cenozoic, A:300–301
- middle Eocene, B:434–435
- transform margins, B:108–109
- paleomagnetism
- sediments, B:199–207
- Site 959, A:93–95
- Site 960, A:182–184
- Site 961, A:238
- Site 962, A:274–276
- See also* coercivity
- paleopoles, Africa, B:203
- paleoproductivity
- Cretaceous, B:397
- marine organic carbon, B:570
- sediments, B:590
- See also* productivity
- paleoseawater
- calcareous nannofossils, B:327
- See also* paleo-surface water; seawater
- paleotemperature
- Cretaceous, B:63–64
- thermal history, B:65
- Palmae*. *See* Senonian *Palmae* Province
- palygorskite
- authigenesis, B:106
- claystone, B:10
- Coniacian–Eocene, B:118
- deposition, A:308
- diagenesis, B:59
- Eocene, B:421
- lithologic units, A:227–228, 234, 264–266, 268
- lower Eocene, B:141–156
- origin, B:148–150
- paleoenvironment, A:175–176
- photograph, A:229
- scanning electron micrograph, B:153–156
- X-ray diffractograms, A:168, 265
- palyofacies
- Cretaceous–Paleocene, B:258, 260–262, 277–318
- vs. depth, B:286, 288, 290
- See also* biofacies
- palyology, Cretaceous–Paleocene, B:253–318
- palyomorphs
- biostratigraphy, A:92–93
- Mesozoic, B:481–490
- taxonomy, B:262–267
- See also* acritarchs; dinoflagellates; pollen; spores
- passive margins
- Albian–Turonian, B:20
- Coniacian–Eocene, B:117–119
- deposition, B:73
- hiatuses, A:234
- Stage 3, B:106–107, 292
- transform faults, A:11–12, 297–298, 306–309
- pelagic deposition
- lithologic units, A:267–270
- Paleocene, B:118–119
- paleoenvironment, A:176
- passive margins, A:234
- pellets, glauconitic
- lithologic units, A:227
- photograph, A:265
- pellets, photograph, A:229
- peloids, photograph, A:79, 230
- periplatform deposits, Cenomanian–Coniacian, B:116–117
- permeability, fractures, B:52
- petrography, provenance, B:119–120
- petroleum geology, transform faults, A:12
- petrophysics, lithologic units, B:244–246
- pH, pore water, A:243
- phenols
- biomarkers, B:596–599
- sediments, B:590
- vs. depth, B:590, 597–598
- phosphate debris, Coniacian–Eocene, B:117–119
- phosphate nodules
- lithologic units, A:166–168
- photograph, A:84–85
- photoelectric effect logs, vs. depth, A:118, 202
- physical properties
- downhole logging, B:225–240
- lithologic units, B:241–249
- Pliocene–Pleistocene, B:562–563
- Site 959, A:112–116
- Site 960, A:195–200
- Site 961, A:245–247
- Site 962, A:286–290
- phytoplankton, range chart, B:280–281
- plagioclase
- petrography, B:119–120
- photograph, B:123
- Planolites*
- lithologic units, A:77–78, 80, 165–166
- Neogene, A:308
- photograph, A:81, 165
- plant debris
- accumulation rates, B:572
- lithologic units, A:261–264
- photograph, A:164, 173
- vs. age, B:572
- plant tissue, Site 959, B:318
- plate breakup, continent/ocean margin, B:102
- plate tectonics. *See* tectonics
- Pleistocene
- benthic foraminifers, B:605–610
- biostratigraphy, B:449–465
- calcareous nannofossils, B:519
- lithologic units, A:75–76, 162–163, 262–263
- ostracodes, B:525–531
- See also* Pliocene–Pleistocene
- Pliocene
- biostratigraphy, B:449–465
- calcareous nannofossils, B:518–519
- lithologic units, A:75–77, 162–166, 226–227, 262–264
- sedimentation rates, A:96, 184, 313
- See also* Miocene–Pliocene
- Pliocene, middle, small *Gephyrocapsa*, B:518–519
- Pliocene–Pleistocene
- biostratigraphy, B:533–538
- paleoceanography, B:575–583
- paleoenvironment, B:557–574
- pollen
- Cretaceous–Paleocene, B:253–276
- depth and recovery, B:283
- polysaccharides
- biomarkers, B:596
- vs. depth, B:597
- pop-up structures
- compression, B:6–7
- faults, B:17
- microfolds, A:279; B:23
- photograph, B:22
- stages, B:104–105
- structure, B:17
- superimposed to extensional structures, B:23
- porcellanite
- Albian–Turonian, A:307
- diagrams, A:305
- lithologic units, A:78, 80, 164–166, 227, 264–268
- paleoenvironment, A:176; B:105
- paleomagnetism, B:201, 203
- photograph, A:100, 165, 228–229, 265–266
- quartz veins, B:4–5
- sedimentation rates, A:95
- pore water
- geochemistry, A:111, 192–195, 243–245, 284–285
- temperature, B:77–78
- porosity
- boreholes, B:242
- magnetic fabric, B:196
- pore fluids, B:229–233
- sediments, B:232, 561–562
- vs. depth, A:114, 118, 198, 248, 288, 303; B:211, 233, 235, 239
- vs. velocity, B:233
- See also* epithermal neutron porosity; void ratio
- porosity, vuggy, photomicrograph, A:171
- porosity logs
- vs. depth, A:202; B:231, 235, 239, 244–245
- vs. velocity logs, B:246
- See also* gamma ray–density–porosity logs; thermal neutron porosity
- potassium
- green grains, B:593–594
- pore water, A:112, 195, 245, 285–286
- vs. depth, A:110, 195, 245, 286
- potassium feldspar
- petrography, B:119–120
- photograph, B:123
- potassium logs, evaluation, B:173–174
- Pre-Albian West Early Cretaceous *Dicheiropollis etruscus*/*Afropollis* Province, microfloral provinces, B:254–255, 261–262
- pre-Oceanic Anoxic Event 1d, radiolarians, B:364, 366–367
- pre-Oceanic Anoxic Event 2, radiolarians, B:364, 366–367
- precipitation
- calcite, B:79
- palygorskite, B:149
- See also* deposition
- preservation, marine organic carbon, B:570
- pressure-temperature conditions, fluid inclusions, B:50–51
- principal component analysis, well logging, B:159–161
- productivity
- lithologic units, A:86
- See also* paleoproductivity
- provenance
- chromian spinel, B:135
- petrography, B:119–120
- Quaternary, B:585–603
- See also* sediment sources; source rocks
- pyrite
- Coniacian–Eocene, B:119
- lithologic units, A:75–78, 227–228, 232, 263, 265
- mineralization, B:5, 6–7
- Neogene, A:308–309
- photograph, A:164, 229; B:67
- sediments, B:16
- vs. depth, B:593
- X-ray diffractograms, A:163
- pyrite, euhedral, photograph, A:81

- pyrite, framboidal  
 photograph, B:129  
 sulfur isotopes, B:127, 129–131
- pyrite nodules, photograph, A:80, 265
- pyrite veins  
 mineralogy, A:186  
 petrology, A:240  
 sediments, A:101, 280–281; B:4–5
- pyritization, photograph, B:589
- pyrolysis, Rock-Eval, organic matter, B:569
- pyrrol. *See* furfural + acetic acid/pyrrol ratio
- quartz  
 Coniacian–Eocene, B:118  
 lithologic units, A:168–170, 230–231  
 petrography, B:119–120  
 photograph, A:83, 164; B:119, 123  
 photomicrograph, A:171  
 recrystallization, B:97  
 veins, A:186  
 X-ray diffractograms, A:168, 170, 177, 264–265
- quartz/kaolinite ratio  
 sediments, B:592  
 vs. depth, B:590, 593
- quartz clasts, provenance, B:120
- quartz veins  
 deformation, B:106  
 folds, A:279  
 paleofluids, B:49–52  
 sediments, B:4–5  
 thermal history, B:45
- quartzites  
 transform faults, A:10  
*See also* metasediments; orthoquartzite
- Quaternary  
 lithologic units, A:226–227  
 paleoenvironment, B:585–603  
 sedimentation rates, A:277  
*See also* Pleistocene
- radiolarians  
 biostratigraphy, A:182, 238, 273–274  
 lithologic units, A:227, 234, 264–266  
 Middle Cretaceous, B:363–373  
 Neogene, A:308  
 photograph, B:589  
 scanning electron micrograph, B:156
- rebound, core-log comparison, B:243–244
- recrystallization  
 chlorite-mica stacks, thermal history, B:97  
 scanning electron micrograph, B:156  
 veins, A:186
- reduction  
 organic matter, A:109  
*See also* sulfate reduction
- reefs  
 deformation, B:77  
 paleotopography, B:106  
 transform faults, A:305–306
- reflection coefficient, vs. travelttime, B:229, 236, 240
- reflectors, seismic profiles, A:225
- remanent magnetization, natural  
 correlation between holes, A:183–184  
 sediments, A:182–183
- remanent magnetization, sediments, A:94, 205–206, 238, 274–275
- resistivity  
 pore fluids, B:229–233  
 sediments, A:115–116, 197, 199–200, 287, 289; bp:CD-ROM  
 vs. depth, A:116, 118, 200, 239, 289; B:235
- resistivity logs  
 statistical analysis, B:166–168  
 vs. depth, A:202, 290; B:231, 235, 239  
*See also* gamma ray–resistivity logs; gamma ray–resistivity–sonic logs
- reverse faults  
 association with asymmetric microfold, B:23  
 compression, B:6–7  
 décollement structures, B:25–26  
 fault planes, A:279  
 folds, A:279  
 microfolds, A:188  
 movement, B:7–8  
 photograph, A:99, 280, 304; B:22, 23  
 sediments, A:279  
 stages, B:104–105
- reworking, sediments, B:599
- rhenium, sediments, A:14; B:182–184
- rhenium/osmium ratio  
 nannofossil/foraminifer oozes, B:184–185  
 vs. osmium isotopes, B:185
- rheology  
 décollement structures, B:28  
 microstructures, B:17
- rhodochrosite  
 Neogene, A:308  
 X-ray diffractograms, A:177
- rhythmite, laminated, photograph, B:126
- rhythmite, rifting, B:115–116
- ridge deposition, paleoenvironment, A:175–176
- rifting  
 cycles, B:120–121  
 lithofacies, B:115–116  
 relation to tectonics and sedimentation, B:137–138  
 sulfur isotopes, B:130–131  
 tectonics, B:19–20  
 thermal history, B:45  
 transform faults, A:11, 297–299  
 transform margins, B:107–108
- Romanche Fracture Zone  
 paleogeography, B:489  
 thermal diagenesis, B:53
- Saint Paul Fracture Zone, thermal diagenesis, B:53
- salinity, fluid inclusions, B:50
- sand  
 cyclic processes, B:569–570  
 Pliocene–Pleistocene, B:563–564
- sand fraction  
 vs. age, B:564  
 vs. depth, B:564, 590–591
- sand pipes  
 rheology, B:17  
 sediments, A:240–241; B:16
- sandstone  
 Albian, B:117  
 apatite, B:35–41  
 bedding, A:186  
 chromian spinel, B:133–139  
 Coniacian–Eocene, B:117–119  
 lithologic units, A:228–231  
 petrography, B:119–120  
 photograph, A:60, 85–86, 102; B:21, 68–69, 123  
 rifting, B:115–116  
 structure, B:16  
 unconformities, B:16
- sandstone, calcareous  
 lithologic units, A:81–82  
 X-ray diffractograms, A:170
- sandstone, calcite-cemented  
 lithologic units, A:266–267  
 photograph, A:269
- sandstone, cross-bedded, photograph, A:269; B:118
- sandstone, fine-grained, photograph, A:190
- sandstone, glauconitic, silty, lithologic units, A:264–266
- sandstone, intraclastic, photograph, A:79
- sandstone, laminated, photograph, A:187
- sandstone, micritic, photograph, A:169, 172
- sandstone, quartz, lithologic units, A:82–83
- sandstone, silty  
 Albian, B:16–17  
 lithologic units, A:170–174, 228–231  
 photograph, A:167, 173–174, 231
- sandstone clasts, photograph, A:189
- Santonian  
 benthic foraminifers, B:379  
 biostratigraphy, B:279  
 deposition, B:106  
 foraminifers, B:393  
 hydrothermal alteration, B:98  
 lithologic units, A:166–170  
 planktonic foraminifers, B:335–336, 338
- scoured contacts, photograph, B:589
- seafloor spreading. *See* spreading centers; spreading ridges
- seawater  
 osmium isotopes, B:181–186  
*See also* paleoseawater
- sea-level changes  
 cyclic processes, B:120–122, 429, 520, 590–591  
 Oceanic Anoxic Event 3, B:364, 366–367  
 paleoclimatology, B:592  
*See also* eustacy; glacio-eustacy
- sediment loading, stress, B:220
- sediment sources  
 Quaternary, B:585–603  
*See also* provenance
- sediment starvation, paleoenvironment, A:175–176
- sedimentary basins  
 sedimentation, B:94–95  
*See also* basins
- sedimentary structures  
 columns, A:302  
 photograph, A:304  
 subsidence, B:89  
 transform faults, A:302–303  
*See also* ball-and-pillow structures; bioturbation; blebs; burrow fills; burrows; color banding; convolute bedding; cross bedding; cross laminations; cross stratification; deformation; laminations; load casts; load structures; microstructures; soft sediment deformation; synlithification; syndimentary structures
- sedimentation  
 clastic wedges, B:19  
 Cretaceous, B:93–99  
 cyclic processes, B:120–121  
 periplatform deposits, B:103–104  
 Quaternary trends, B:588, 590–599  
 relation to magmatism and tectonics, B:137–138  
 siliciclastics, B:108  
 subsidence, B:82–83  
 transform faults, A:13, 298–309  
*See also* deposition; detrital sedimentation; intracontinental sedimentation; paleoenvironment
- sedimentation, biosiliceous, Eocene–Miocene, A:307–308
- sedimentation, cyclic, lithologic units, A:86
- sedimentation, pelagic, Paleocene, A:307

- sedimentation, pelagic–hemipelagic, Neogene, A:308–309
- sedimentation rates  
 biostratigraphic datums, A:278; B:465  
 middle Miocene, A:312–313  
 Site 959, A:95–96; B:537, 560  
 Site 960, A:184  
 Site 962, A:276–277  
 unconformities, A:184  
 vs. age, A:312; B:563  
*See also* accumulation rates
- sedimentation rates, mean linear, Pliocene–Pleistocene, B:562–563
- sediments  
 lithofacies, B:113–123  
 magnetic fabric, B:189–197  
 organic geochemistry, A:104–105  
 osmium isotopes, B:181–186  
 upper Albian, B:125–131  
*See also* chaotic sediments
- sediments, anoxic, transform faults, A:14
- seismic data, wide-angle, transform faults, A:52
- seismic profiles  
 continent/ocean margin, B:102–103  
 Site 959, A:68, 72–74; B:228  
 Site 960, A:157, 161  
 Site 961, A:222–223, 225  
 Site 962, A:258–259, 262; B:238  
 transform faults, A:7–10, 50, 53–57
- seismic reflection  
 physical properties, B:225–240  
 transform faults, A:49–51, 61
- seismic Reflector R1, observations, A:72–73
- seismic Reflector R2, observations, A:73
- seismic Reflector R3, observations, A:73
- seismic Reflector R4, observations, A:73
- seismic Reflector R5, observations, A:73–74
- seismic Reflector R6, observations, A:74
- seismic reflectors  
 observations, A:72–74, 160  
 vs. traveltimes, A:74
- seismic stratigraphy, transform faults, A:9–10
- seismic Unit D, deformation, B:106
- seismic units. *See* acoustic units
- seismograms, synthetic  
 boreholes, B:234, 237, 240, 291  
 vs. depth, A:123; B:227–229  
 vs. traveltimes, B:229–230, 232, 236, 238, 240  
 well logs, A:122–123; B:227–229
- Senonian  
 calcareous nannofossils, B:321–322  
 transform faults, A:12
- Senonian *Palmae* Province, microfloral provinces, B:261–262
- sepiolite  
 paleoenvironment, A:175–176  
 X-ray diffraction data, A:168; B:147
- Sergipe Basin, foraminifers, B:393
- shale, transform faults, A:10
- shear  
 slumps, B:22  
 transform faults, A:11, 297–299
- shear bands  
 clays, B:16  
 photograph, A:240
- shear faults, photograph, A:304
- shear strength, vs. depth, A:199, 289
- shear strength, undrained  
 sediments, A:114–115, 197, 199, 246, 249, 287, 289; bp:CD-ROM  
 vs. depth, A:116
- shear zones  
 bedding, B:16  
 clays, B:6
- extension tectonics, B:96–97
- faults, B:7–8
- lithologic units, A:231
- photograph, A:240–241
- structure, A:239–240, 278–279; B:17
- shelf environment  
 Coniacian–Eocene, B:118  
 lithologic units, A:232–233  
 paleoenvironment, A:175–176; B:105
- shell debris  
 Cenomanian–Coniacian, B:116–117  
 photomicrograph, A:171
- shells, calcitic, lithologic units, A:163
- siderite  
 lithologic units, A:232  
 magnetic fabric, B:194  
 mineralization, B:17  
 X-ray diffractograms, A:163
- siderite concretions, deposition, B:73
- siderite veins, petrology, A:240
- Sierra Leone Rise, Miocene, B:519–521
- silica  
 pore water, A:111–112, 195, 245, 285–286  
 vs. depth, A:110, 195, 245, 286
- siliciclastics  
 deposition, B:106  
 foraminifers, B:393  
 lithologic units, A:168–170, 232–233, 267–270  
 paleomagnetism, B:205  
 photograph, B:123  
 rifting, B:115–116  
 sedimentation, B:104, 108  
 structure, B:14  
 thermal history, B:45  
 transform faults, A:301, 305–306
- silicoflagellates  
 biostratigraphy, A:92, 273  
 Oligocene–Miocene, B:493–508
- silt, quartz, lithologic units, A:261–264, 266–267
- siltstone  
 Albian, B:117  
 bedding, A:186  
 Coniacian–Eocene, B:118  
 décollement structures, B:28  
 lithologic units, A:170–174  
 photograph, A:60, 82, 99, 207, 304; B:21, 69–70  
 rifting, B:115–116  
 structure, B:16  
 thermal diagenesis, B:57–58  
 thermal history, B:97–98  
 tilting, B:87, 89–90  
 unconformities, B:16
- siltstone, black, photograph, B:67
- siltstone, calcareous, photograph, A:281
- siltstone, calcite-cemented, lithologic units, A:266–267
- siltstone, clayey  
 lithologic units, A:228–231  
 photograph, A:231–232
- siltstone, clayey quartz, photograph, A:270
- siltstone, laminated, photograph, A:232, 240–241; B:126
- siltstone, quartz, photograph, A:230
- siltstone, sandy  
 lithologic units, A:228–231  
 photograph, A:232
- siltstone, sandy quartz, lithologic units, A:266–267
- siltstone, sideritic, lithologic units, A:170–173
- siltstone clasts, veins, A:240
- Site 959, A:65–150  
 background and objectives, A:67–68
- benthic foraminifers, B:348–349, 375–411, 605–610
- biostratigraphy, A:87–93; B:255–257, 260–261, 278–285, 482–484, 533–538
- calcareous nannofossils, B:320–323, 414–417, 510–513
- calcite veins, B:71–79
- coring summary, A:70–71
- downhole measurements, A:116–123
- geochronology, B:35–41
- geophysics, A:72–74
- in situ stress, B:209–223
- inorganic geochemistry, A:108–112, 310–311
- lithostratigraphy, A:74–87; B:54
- magnetic fabric, B:189–197
- marginal ridges, B:84–86
- Miocene–Pliocene hydrography, B:539–555
- operations, A:68–69, 71–72
- organic geochemistry, A:102–103, 105–108, 310
- osmium isotopes, B:181–186
- ostracodes, B:525–531
- paleoenvironment, B:487–488, 585–603
- paleomagnetism, A:93–95; B:201–204
- palygorskite clays, B:144
- physical properties, A:112–116; B:227–233, 241–249
- planktonic foraminifers, B:335, 449–457
- Pliocene–Pleistocene paleoceanography, B:575–583
- Pliocene–Pleistocene paleoenvironment, B:557–574
- radiolarians, B:364, 366–367
- sedimentation rates, A:95–96
- silicoflagellates, B:493–508
- site description, A:65–150
- site geophysics, A:72–74
- source-rock geochemistry, A:108
- structural geology, A:96–101; B:4–5, 14
- thermal diagenesis, B:54, 57–62
- upper Albian, B:126
- well logging, B:171–179
- Site 960, A:151–215  
 background and objectives, A:156  
 benthic foraminifers, B:348–349, 433–444, 605–610  
 biostratigraphy, A:177–182; B:257, 260–261, 285–287, 484–485  
 calcareous nannofossils, B:321–324, 417–421, 513–515  
 calcite veins, B:71–79  
 chromian spinels, B:133–139  
 coring summary, A:159  
 downhole measurements, A:200–204  
 fluid inclusions, B:49–52  
 geochronology, B:35–41  
 inorganic geochemistry, A:192–195  
 lithostratigraphy, A:161–177; B:54–55  
 magnetic fabric, B:189–197  
 marginal ridges, B:86–87  
 master column, A:152–155  
 operations, A:158–160  
 organic geochemistry, A:188–192  
 ostracodes, B:525–531  
 paleoenvironment, B:488  
 paleomagnetism, A:182–184; B:202, 204–205  
 palygorskite clays, B:144–146  
 physical properties, A:195–200; B:233–234  
 planktonic foraminifers, B:335–336, 457–462  
 sedimentation rates, A:184  
 site description, A:151–215  
 site geophysics, A:160–161  
 source-rock geochemistry, A:192  
 structural geology, A:184–188; B:5–6, 14, 16

- thermal diagenesis, B:54–55, 58, 63  
 thermal history, B:43–48  
 upper Albian, B:126–127
- Site 961, A:217–249  
 background and objectives, A:220–222  
 benthic foraminifers, B:605–610  
 biostratigraphy, A:234–238; B:257–258, 260–261, 285, 288–289, 485  
 calcareous nannofossils, B:421, 424, 515  
 coring, A:224  
 inorganic geochemistry, A:243–245  
 lithostratigraphy, A:225–234; B:55  
 operations, A:222–224  
 organic geochemistry, A:241–243  
 paleomagnetism, A:238  
 palygorskite clays, B:146–147  
 physical properties, A:245–247  
 planktonic foraminifers, B:457, 462–464  
 site description, A:217–249  
 site geophysics, A:224  
 source rock geochemistry, A:243  
 structural geology, A:238–241; B:6, 16  
 thermal diagenesis, B:55, 58–59  
 thermal history, B:45–47, 63–64  
 upper Albian, B:127
- Site 962, A:251–294  
 background and objectives, A:253–257  
 benthic foraminifers, B:348–352, 605–610  
 biostratigraphy, A:270–274; B:258–259, 261, 285, 287, 290–291, 485–487  
 calcareous nannofossils, B:324–326, 515–516  
 calcite veins, B:71–79  
 coring, A:260  
 inorganic geochemistry, A:284–286  
 lithostratigraphy, A:261–270; B:55  
 operations, A:257–260  
 organic geochemistry, A:281–284  
 paleoenvironment, B:488  
 paleomagnetism, A:274–276  
 palygorskite clays, B:147–148  
 physical properties, A:286–290; B:234–236  
 planktonic foraminifers, B:336–337, 462, 464–465  
 radiolarians, B:363–373  
 sedimentation rates, A:276–277  
 site description, A:251–294  
 site geophysics, A:260–261  
 source rock geochemistry, A:284  
 structural geology, A:277–281; B:6–7, 16–17  
 thermal diagenesis, B:55, 59, 64–65  
 upper Albian, B:127
- site geophysics  
 Site 959, A:72–74  
 Site 960, A:160–161  
 Site 961, A:224–225  
 Site 962, A:260–261
- slickensides  
 barite veins, B:14  
 clays, B:6  
 faults, A:187; B:5  
 lineation, B:6  
 sediments, A:98–100  
 strike-slip faults, B:7–8  
 structure, A:240–241
- slump folds  
 claystone, A:187–188  
 lithologic units, A:83  
 sediments, A:241  
 structure, A:281
- slump structures, sedimentary instability, B:95  
 slumping  
 claystone, A:188  
 décollement structures, B:29  
 dip, B:8
- Eocene, B:106  
 sandstone, A:101  
 shear, B:22  
 Site 961, B:99  
 tilting, B:9  
 transform faults, A:302  
*See also* microsclumps
- smectite  
 thermal diagenesis, B:57–63  
 X-ray diffraction data, A:77, 168, 228; B:145, 147
- smectite, glauconitic, neoformation, B:599
- soft sediment deformation  
 Albian, B:17  
 Cretaceous, B:98  
 photograph, A:241; B:21  
 sandstone, A:101, 187–188  
 sediments, A:240–241; B:16  
 structure, A:281  
 transform faults, A:302  
*See also* sedimentary structures
- sonic logs. *See* gamma ray–resistivity–sonic logs
- source rocks, geochemistry, A:108, 192, 243, 284
- South America  
 geodynamics, B:46–47  
 passive margins, B:20
- South Atlantic Intermediate Water, lithology, B:587–588, 599
- South Equatorial Current, ocean circulation, B:549–551, 558
- spinel, chromian  
 chemistry, B:134–135  
 color and size, B:135  
 photograph, B:139  
 provenance, B:135  
 sandstone, B:133–139
- Spiniferites bejui*, sketch, B:265  
*Spiniferites* sp. G., sketch, B:266
- spores  
 Cretaceous–Paleocene, B:253–276  
 depth and recovery, B:283
- spreading centers  
 thermal history, B:65–66  
 transform faults, A:11
- spreading ridges  
 environment, B:77  
 thermal pulses, B:10
- stable isotopes  
 foraminifers, B:542–547  
*See also* carbon isotopes; oxygen isotopes; sulfur isotopes
- Stage E, veins, B:77
- statistical analysis  
 well logging, B:157–170  
*See also* linear correlation; principal component analysis
- stratigraphy  
 Benue Trough, B:95  
*See also* biostratigraphy; lithostratigraphy  
 stratotypes. *See* Global Stratotype Section and Point
- stress, orientation, B:220–222  
 stress, horizontal, orientation, B:210, 220  
 stress, in situ, Formation MicroScanner imaging, B:209–223  
 stress, overburden, vs. depth, B:211  
 stress fields, fault planes, B:219–221
- strike-slip faults  
 décollement structures, B:30  
 mineral lineation, A:187  
 motion, B:5  
 movement, B:7–8  
 stress, B:220–221  
 transform faults, A:7
- strontium  
 pore water, A:110, 195, 245, 285  
 vs. depth, A:110, 194, 245, 285  
 structural geology, A:96–101, 184–188, 238–241, 277–281; B:212  
 structure, sediments, B:83–87  
 submersibles, transform faults, A:6–9, 52–53  
 subsidence  
 Campanian, B:106  
 continent/ocean margin, B:102  
 cyclic processes, B:120–121  
 passive margins, A:234  
 transform margins, B:10, 107–108  
 subsidence, post-tectonic, Formation MicroScanner imaging, B:81–91
- sugars  
 biomarkers, B:598  
 vs. depth, B:597  
*See also* polysaccharides
- sulfate  
 pore water, A:243, 284  
 vs. depth, A:110, 194, 244, 285, 311
- sulfate reduction  
 organic matter, A:194  
 pore water, A:244, 284  
*See also* reduction
- sulfides, sulfur isotopes, B:127, 129–131
- sulfur  
 Rock-Eval pyrolysis, A:193  
 sediments, A:244, 283
- sulfur isotopes  
 upper Albian sediments, B:125–131  
 vs. depth, B:130
- surface water  
 hydrography, B:539–555  
*See also* paleo-surface water
- synlithification  
 décollement structures, B:28  
 rheology, B:17
- synrift deposition, paleoenvironment, A:174–175
- synsedimentary structures, décollement structures, B:29
- syntransform tectonics, Aptian–Albian, B:20
- syringyls/vanillyls ratio  
 biomarkers, B:597  
 sediments, B:590  
 vs. depth, B:590, 598
- taxonomy, palynomorphs, B:262–267
- tectonic breccia, lithologic units, A:231
- tectonic veins  
 lithologic units, A:231  
 photograph, A:269
- tectonics  
 Côte d’Ivoire–Ghana continental margin, B:3–11, 13–23  
 Cretaceous, B:93–99  
 cycles, B:120–121  
 lithofacies, B:113–123  
 relation to sedimentation and magmatism, B:137–138  
 time constraints, B:35–41  
 transform faults, A:6–9, 11–12, 51–52, 297–309  
 transform margins, B:108–109  
*See also* compression; extension; fracture zones; geodynamics; gravity tectonics; horst-and-graben structure; intracontinental transform; shear zones; subsidence; syntransform tectonics; tilting; uplifts; wrench tectonics
- temperature  
 boreholes, A:121–122, 204, 291

- clay mineralogy, B:39–40  
 diagenesis, B:74–76  
 pore water, B:77–78  
 Rock-Eval pyrolysis, A:193  
 vs. depth, A:74, 123, 284, 292  
 vs. hydrogen index, A:108, 192  
 vs. time, A:74  
*See also* pressure-temperature conditions  
 temperature, in situ, ADARA tool, A:74  
 tension gashes, quartz veins, B:4–5  
 Tertiary. *See* Cretaceous/Tertiary boundary  
 Tethys  
   Albian, B:366–367  
   Cretaceous, B:352  
 textures, fine grains, B:594  
*Thalassinoides*, lithologic units, A:77  
 thermal alteration, clays, A:303, 305  
 thermal conductivity  
   sediments, A:113, 196–197, 246, 286–287  
   vs. depth, A:113, 197, 287; bp:CD-ROM  
 thermal history  
   deformation, B:39–41  
   fission-track data, B:39–41, 43–48  
   lithology, B:97–98  
   paleofluids, B:49–52  
   paleotemperature, B:65  
   transform margins, B:108  
 thermal maturation  
   clays, B:105  
   sediments, A:306; B:277–318  
 thermal neutron porosity, vs. depth, B:245  
 thermal pulses, uplifts, B:10  
 thermocline  
   history of depth, B:552–553  
   planktonic foraminifers, B:551–552  
   Pliocene–Pleistocene, B:579–580  
 thorium logs  
   evaluation, B:173–174  
   statistical analysis, B:168  
 tilting  
   décollement structures, B:26  
   faults, B:83–90  
   Lower Cretaceous, B:17  
   magnetization, B:206  
   normal faults, A:207  
   origin, B:87, 89–90  
   photograph, A:207  
   rates, B:8–9  
   transform margins, B:107–108  
   uplifts, B:10  
   vs. age, B:9  
 titanium, chromian spinel, B:134, 136  
 titanium oxide  
   vs. chromium number, B:137  
   vs. iron number, B:137  
 titanomagnetite, sediments, A:94  
 trade winds  
   Intertropical Convergence Zone, B:553–554, 558  
   paleoclimatology, B:592  
 transcurrent faults, extension tectonics, B:96–97  
 transform faults  
   friction, B:51–52  
   geodynamics, B:101  
   geology, A:5–16, 297–299  
   Turonian, B:46–47  
*See also* intracontinental transform  
 transform margins  
   clastic wedges, B:19  
   geodynamics, B:101–110  
   paleofluids, B:49–52  
   tectonics, B:3–11  
   thermal history, B:39–41  
   vertical motion, B:107–108  
 traveltime, vs. seismic reflectors, A:74  
 traveltime, two-way, vs. physical properties,  
   B:229, 236, 240  
 tricolpate pollen, Site 959, B:318  
 trilete spore, Site 959, B:318  
*Trisaccates*. *See* Early Cretaceous–Cenomanian  
*Trisaccates* Province  
 tropical environment, paleoceanography, A:14  
 Trou-sans-Fond Canyon, deposition, A:270  
 tryptophane, biomarkers, B:599  
 turbidites, photograph, B:118  
 Turonian  
   benthic foraminifers, B:379  
   biostratigraphy, B:278–279, 489  
   calcareous nannofossils, B:321–322  
   clays, B:63  
   deformation, B:35–41  
   lithologic units, A:81–82, 168–170  
   marginal ridges, B:76–78  
   paleomagnetism, B:204–205  
   paleotopography, B:106  
   periplatform deposits, B:102–103  
   planktonic foraminifers, B:336, 338  
   *See also* Cenomanian/Turonian boundary;  
   Cenomanian/Turonian Boundary Event  
 unconformities  
   bedding, A:186; B:8  
   calcite, B:75  
   Cenomanian–Coniacian, B:116–117  
   chert, B:16–17  
   Cretaceous, B:14, 16  
   décollement structures, B:28  
   fission-track data, B:105  
   lithologic units, A:186  
   Oligocene–Miocene, B:494–495  
   Paleocene, B:16  
   photograph, A:169  
   sandstone, A:188  
   sedimentation rates, A:184  
   thermal history, B:45, 65  
   transform faults, A:10–11, 305–306  
   Turonian, B:205–206  
   veining, B:5  
   *See also* erosional surfaces; hiatuses  
 underway geophysics, Sites 959–962, A:61–62  
 uplifts  
   continent/ocean margin, B:102  
   cyclic processes, B:120–121  
   exposure, B:71–79  
   hydrothermal circulation, B:46  
   marginal ridges, A:301  
   microstructures, B:18  
   thermal events, B:108  
   thermal history, B:41  
   tilting, B:10  
 upwelling  
   accumulation rates, B:600  
   planktonic foraminifers, B:551–552  
   sediments, A:14–15  
 uranium logs  
   evaluation, B:173–174  
   statistical analysis, B:167  
 vanillyls. *See* cynamyls/vanillyls ratio;  
   syringyls/vanillyls ratio  
 vegetation zones, Africa W, B:558–559  
 vein fills, chalcedony, B:4  
 veins  
   claystone, A:240  
   Cretaceous, B:14, 16  
   deformation, B:9–10, 14  
   mineralogy, A:186  
   photograph, A:172  
 sediments, A:100–101; B:16  
 Stage E, B:77  
 structure, A:280–281  
 synlithification, B:17  
 transform faults, A:303  
*See also* barite veins; calcite veins; kaolinite  
 veins; nacrite veins; pyrite veins;  
 quartz veins; siderite veins;  
 slickensides; Stage E; tectonic veins  
 veins, hydrothermal, stages, B:104–105  
 velocity  
   boreholes, B:242  
   multisensor track, A:112–113  
   pore fluids, B:229–233  
   sediments, B:232–233  
   velocimetry, A:113–114  
   vs. depth, A:112, 115, 117–119, 196, 199, 249,  
   286, 289; B:234–235, 239  
   vs. porosity, B:233  
   vs. traveltime, B:229, 236, 240  
   *See also* acoustic units; compressional wave  
   velocity  
 velocity logs  
   statistical analysis, B:166  
   vs. density logs, B:246, 248  
   vs. depth, B:231, 235, 239, 244  
   vs. porosity logs, B:246, 248  
   *See also* gamma ray–resistivity–sonic logs  
 void ratio  
   vs. depth, A:114, 198, 248, 288  
   *See also* porosity  
 Walvis Ridge, planktonic foraminifers, B:337–338  
 water content  
   sediments, B:561–562  
   vs. depth, A:114, 198, 248, 288; B:563  
 water-escape structures  
   lithologic units, A:171  
   photograph, A:172, 190  
   rheology, B:17  
   sediments, A:240–241; B:16  
 water–methane–carbon dioxide, fluid inclusions,  
   B:50  
 well-log units, Site 959, A:117–119  
 well logging  
   evaluation, B:171–179  
   lithology, B:157–170  
   physical properties, B:225–240  
   Site 959, A:116–123  
   Site 960, A:200–204  
   *See also* caliper logs; core-log comparison;  
   downhole measurements; gamma ray–  
   density–porosity logs; gamma  
   ray–resistivity logs; gamma  
   ray–resistivity–sonic logs; gamma-ray  
   logs; photoelectric effect logs  
 well logs, shore-based processing, A:134, 208,  
   213, 293  
 West African Craton, Gondwana, B:94  
 wind transport  
   palygorskite, B:148–149  
   terrigenous organic carbon, B:570–571  
   *See also* eolian processes  
 winnowing, sediments, B:599  
 wood, Site 959, B:318  
 wrench tectonics  
   clastic wedges, B:19  
   Lower Cretaceous, B:18  
 X-ray computed tomography scan analysis, mag-  
   netic fabric, B:192  
 X-ray diffraction data  
   clays, B:57–63  
   green grains, B:595

palygorskite clays, B:144–148  
*Xenascus ghanaensis* n. sp., dimensions, B:267  
 yellow–brown fragment, Site 959, B:318  
 zeolites  
 lithologic units, A:164, 229–231, 234  
 photograph, A:164, 228  
 scanning electron micrograph, B:153, 155

sediments, B:590  
 X-ray diffraction data, B:147  
*See also* clinoptilolite  
 zircon, fission-track data, B:43–48  
 zoning  
 biostratigraphy, A:235; B:446–449, 509–523,  
 533–538, 575–583  
 silicoflagellates, B:493–494  
 statistical analysis, B:165–166

*Zoophycos*  
 bedding, A:186  
 Coniacian, A:306  
 Coniacian–Eocene, B:117–119  
 lithologic units, A:77–78, 80, 98–99, 164–166,  
 228  
 Neogene, A:308  
 photograph, A:79, 81, 164

## VOLUME 159 TAXONOMIC INDEX

*abbreviata*, *Ellipsoidina*, Site 959, B:383  
*abdounensis*, *Liesbergia*, Site 959, B:273  
*abies*, *Sphenolithus*  
 Site 959, A:88; B:512–513, 518, 576  
 Site 960, A:178–179; B:514–515, 518  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*abisectus*, *Cyclicargolithus*  
 Site 959, A:89; B:414–415, 510, 512, 516  
 Site 960, A:178–179; B:514  
*abyssoris*, *Xestoleberis*, Site 960, B:530  
*Acaeniotyle amplissima*, Site 962, B:368, 373  
*Acaeniotyle diaphorogona*, Site 962, B:368  
*Acaeniotyle umbilicata*, Site 962, B:368, 373  
*Acanthocircus* aff. *multidentatus*?, Site 962,  
 B:368, 373  
*acanthoderma*, *Legitimocythere*  
 Site 959, B:525  
 Site 960, B:525, 530  
*acanthodes*, *Chiphragmalithus*, Site 961, A:236;  
 B:421  
*Acarinina bullbrooki*, Site 960, A:182  
*Acarinina primitiva*, Site 959, A:92  
*Acarinina* sp., Site 960, A:182  
*Acarinina spinuloinflata*, Site 960, A:182  
*acervulatus*, *Paratrochaminoides*, Site 959,  
 B:404  
*Achilleodinium bianii*, Site 959, B:272  
*achylostaurion*, *Parhabdolithus*, Site 962, A:272  
*achylosus*, *Stoverius*, Site 962, A:272  
*acostaensis*, *Neogloboquadrina*  
 Site 959, A:90–91; B:449, 456, 475  
 Site 961, A:237; B:462  
 Site 962, A:273  
 Sites 959–962, B:448, 472  
*Acritarch forma A*, Site 959, B:315  
*aculeata*, *Bulimina*, Site 959, B:606–607, 610  
*aculeata*, *Ramulina*, Site 959, B:384, 386  
*acuminatum*, *Dinogyminium*, Site 959, B:278–279,  
 299  
*acuminatum*, *Isabelidinium*, Site 959, B:257  
*acutangula*, *Tristix*, Site 962, B:355, 361  
*acutus*, *Ceratolithus*  
 Site 959, A:88; B:518  
 Site 960, A:178–179; B:514  
 Site 961, A:235  
*adamanteus*, *Discoaster*  
 Site 959, A:89

Site 961, A:236; B:515  
*Adnatosphaeridium multispinosum*, Site 959,  
 B:257, 272  
*adolphina*, *Stilostomella*, Site 959, B:606, 608,  
 610  
*adriennis*, *Leiotriletes*, Site 959, A:93  
*advena*, *Nodosarella* cf., Site 960, B:444  
*aequilateralis*, *Globigerina*, Site 959, A:91  
*africaensis*, *Triorites*, Site 962, B:258, 276, 287,  
 317, 486  
*africaensis*, *Triorites* cf. *Triorites*, Site 962, B:317  
*africana* n. sp., *Pyramidina*, Site 960, B:433,  
 438–439, 443  
*Afropollis* sp.  
 Site 959, B:255, 482  
 Site 960, B:257, 485  
 Site 961, B:258, 275  
*Afropollis* spp., Côte d'Ivoire–Ghana continental  
 margin, B:254–255  
*Agrenocythere hazelae*  
 Site 959, B:525  
 Site 960, B:525, 530  
*Agrenocythere spinosa*, Site 959, B:530  
*Ahmullerella octoradiata*, Site 959, B:323  
*akersi*, *Clavigerina*, Site 960, A:182  
*alanii*, *Fasciculithus*, Site 959, A:89  
*alatus*, *Lithraphidites*, Site 962, A:272  
*albertensis*, *Neobulimina*, Site 962, B:356, 362  
*albianus*, *Axopodorhabdus*  
 Atlantic Ocean E, B:320  
 Site 959, A:90; B:323  
 Site 962, A:272; B:324  
*alexanderi*, *Stilostomella*, Site 959, B:384  
*Alieum sculptus*, Site 962, B:364, 368, 373  
*Alterbidinium varium*, Site 959, B:257, 272, 305  
*altiapertura*, *Globigerinoides*  
 Site 960, B:476  
 Sites 959–960, B:468–469  
*altispira*, *Dentoglobigerina*  
 Site 960, A:180–181; B:457  
 Site 961, A:237; B:462  
 Site 962, A:273; B:462  
 Sites 959–962, B:448, 466  
*altispira*, *Dentogloboquadrina*, Site 959,  
 A:90–91; B:449, 479  
*Alysogyminium euclaense*, Site 959, B:299  
*Amaurolithus amplificus*, Site 959, A:88; B:512  
*Amaurolithus bizarus*, Site 960, B:514

*Amaurolithus delicatus*  
 Site 959, A:88; B:512, 537  
 Site 960, A:178–179; B:513  
 Site 961, A:235; B:515  
*Amaurolithus delicatus* Subzone, Site 959, A:88;  
 B:537  
*Amaurolithus primus*  
 Site 959, A:88; B:510, 512, 517, 537  
 Site 960, A:178  
 Site 961, A:235; B:515  
*Amaurolithus* spp.  
 Site 959, B:512, 518  
 Site 960, A:178  
*Amaurolithus tricorniculatus*, Site 959, A:88;  
 B:512, 537  
*ambonoides*, *Ephedripites*, Site 961, B:275  
*Ammobaculites* sp., Site 959, B:406  
*Ammobaculites* spp., Site 959, B:395  
*Ammodiscus cretaceus*, Site 959, B:404  
*Ammodiscus glabratus*, Site 959, B:410  
*ammophila*, *Hanzawaia*, Site 960, B:435  
*Ammoscalaria* sp., Site 959, B:406  
*Ammosphaeroidina pseudopauciloculata*, Site  
 959, B:407  
*amplexus*, *Riculacysta*, Site 959, B:484  
*ampliaperta*, *Helicosphaera*  
 Site 959, A:89; B:512, 516–517  
 Site 960, A:178–179; B:513–514  
 Site 961, A:236  
*amplificus*, *Amaurolithus*, Site 959, A:88; B:512  
*amplissima*, *Acaeniotyle*, Site 962, B:368, 373  
*ampullacea*, *Uvigerina*, Site 959, B:606, 608  
*anambra*, *Bolivina*  
 Site 959, B:376, 378–379, 382, 387  
 Site 962, B:356, 361  
*anarrhopus*, *Sphenolithus*, Site 959, A:89  
*Andalusiella gabonensis*, Site 959, B:305  
*Andalusiella* group, Site 959, B:257  
*Andalusiella ivoirensis*, Site 959, B:257, 272  
*Andalusiella mauthei mauthei*, Site 959, B:272  
*Andalusiella rhomboides*, Site 959, B:272  
*Andalusiella* spp., Site 959, B:257, 484  
*andreevi*, *Buttinia*  
 Site 959, A:93; B:285, 317  
 Site 960, B:285  
 Site 962, B:287  
*anglicum*, *Crucicribrum* sp. cf. *Crucicribrum*, Site  
 962, A:272

- angolae*, *Hedbergella*, Site 962, A:273; B:336–338, 341
- angolae*, *Hedbergella* sp. cf. *Hedbergella*, Site 962, A:273; B:336
- anguisuturalis*, *Globigerina*, Site 959, A:92
- angularis*, *Liliasterites*  
Atlantic Ocean E, B:319  
Site 959, B:323  
Site 960, B:323
- angulata*, *Giraffospyris*, Site 962, A:273
- Angulobracchia digita*, Site 962, B:368, 373
- Angulolithina arca*, Site 962, A:272
- angustus*, *Rhagodiscus*, Site 959, A:90; B:323
- annetorpense*, *Fibradinium*, Site 959, B:273
- annosa*, *Theocyrtis*, Site 961, A:238
- Anomalinoidea globulosus*, Site 961, A:237
- Anomalinoidea semicribratus*  
Site 960, B:443  
Site 961, A:237
- Anthocyrtidium ophirensis*, Site 962, A:273
- anthophora*, *Tholospyris*, Site 962, A:273
- anthophorus*, *Reinhardtites*  
Site 959, A:90; B:323  
Site 960, B:324
- Apectodinium* group, Site 959, B:257
- aperta*, *Gephyrocapsa*  
Site 959, A:87; B:512–513, 534  
Site 960, B:514  
Site 962, A:271; B:516
- apertura*, *Globoturborotalita*  
Site 960, B:476  
Sites 959–961, B:472
- apicata*, *Theocampe*, Site 962, B:366, 371–372
- apiculata*, *Bachmannocena*, Site 959, A:92
- apiculata*, *Corbisema*, Site 959, B:497, 505
- apiculata apiculata*, *Bachmannocena*, Site 959, B:494–495, 505
- apiculata glabra*, *Bachmannocena*, Site 959, B:494–495, 505
- apiculata inflata*, *Bachmannocena*, Site 959, B:495
- apiculata* var. 1, *Corbisema*, Site 959, B:497
- aprica*, *Whiteinella*, Site 959, B:378
- aprica*, *Whiteinella* sp. cf. *Whiteinella*, Site 960, B:336, 345
- Aquillapollenites* spp., Site 959, A:93
- aragonensis*, *Aragonia*, Site 960, B:444
- Aragonia aragonensis*, Site 960, B:444
- Aragonia velascoensis*  
Côte d'Ivoire-Ghana continental margin,  
A:307  
Site 961, A:238
- Araucariacites australis*  
Site 959, A:93  
Site 961, B:275
- arca*, *Angulolithina*, Site 962, A:272
- archaea*, *Lithochytris*, Site 961, A:238
- archaeocretacea*, *Whiteinella*, Site 959, B:378, 488
- Archaeodictyomitra crebrisulcata*, Site 962, B:368, 372
- Archaeodictyomitra pseudocaris*, Site 962, A:273
- Archaeodictyomitra simplex*, Site 962, A:273; B:368, 372
- Archaeodictyomitra* spp., Site 962, A:273
- Archaeoglobigerina blowi*  
Site 959, B:335, 345  
Site 960, A:182; B:336, 344
- Archaeoglobigerina cretacea*  
Site 959, B:335, 345  
Site 960, A:182; B:336
- Archaeospongoprunum carrierensis*, Site 962, B:368, 372
- Archaeospongoprunum cortinaensis*, Site 962, A:273
- Archaeospongoprunum* sp., Site 962, B:368, 372
- archeomenardii*, *Globorotalia*  
Site 959, A:91; B:475  
Site 960, A:181  
Sites 959–960, B:469
- Areoligera coronata*, Site 959, B:279, 303
- Areoligera* group, Site 959, B:257
- Areoligera senonensis*, Site 959, B:279, 301
- Areoligera volata*, Site 959, B:272
- armatus*, *Ceratolithus*, Site 960, A:178–179; B:514, 518
- asanoi*, *Reticulofenestra*, Site 962, A:272
- Aschemocella grandis*, Site 959, B:410
- Aschemocella* sp., Site 959, B:410
- asper*, *Rhagodiscus*, Site 962, A:272
- aspera*, *Nodosaria*, Site 959, B:383, 385
- asperum*, *Chrysalogonium*, Site 960, B:441
- Astacolus calliopsis*, Site 962, B:355, 361
- Astacolus parallelus*, Site 959, B:382, 385
- Astacolus* spp., Site 959, B:378
- asymetrica*, *Dicarinella*  
Site 959, B:390, 483  
Site 960, B:336
- asymmetricus*, *Discoaster*  
Site 959, A:88; B:510, 512, 534, 537, 576  
Site 960, A:177–179; B:514–515, 518  
Site 961, A:235; B:515  
Site 962, A:272; B:516
- atlanticus*, *Liliasterites*, Site 960, B:323, 469
- atlanticus*, *Lithastrinus*, Atlantic Ocean E, B:320
- atlanticus crassus*, *Coccolithus*, Site 959, B:416
- atlantisae*, *Stilostomella*, Site 960, B:443
- auctificum*, *Cribroperidinium* cf. *Cribroperidinium*, Site 962, B:315
- auritus*, *Botryostrobus*, Site 962, A:273
- auritus*, *Triquetrorhabdulus*, Site 960, A:178
- australensis*, *Pterospermopsis*, Site 959, B:315
- australinum*, *Palaeocystodinium*, Site 959, B:273, 279, 282, 305
- australis*, *Araucariacites*  
Site 959, A:93  
Site 961, B:275
- australis*, *Charltonina*, Site 962, B:356
- australis*, *Hornibrookina*, Site 959, B:416
- avitus*, *Prediscosphaera*, Site 962, A:272; B:342
- axialis*, *Fibrocysta*, Site 959, B:273
- Axopodorhabdus albianus*  
Atlantic Ocean E, B:320  
Site 959, A:90; B:323  
Site 962, A:272; B:324
- Axoprunum stauraxonium*, Site 962, A:273
- babylonis*, *Sethochytris*  
Site 960, A:182  
Site 961, A:238
- Bachmannocena apiculata*, Site 959, A:92
- Bachmannocena apiculata apiculata*, Site 959, B:494–495, 505
- Bachmannocena apiculata glabra*, Site 959, B:494–495, 505
- Bachmannocena apiculata inflata*, Site 959, B:495
- Bachmannocena diodon*, Site 959, B:495
- Bachmannocena elliptica*  
Site 959, A:92; B:493, 495–496, 505  
Site 962, A:273
- Bachmannocena triodon*, Site 959, B:496, 505
- balbis*, *Spongatractus*, Site 961, A:238
- Bandyella greatvalleyensis*, Site 959, B:382, 386
- barbadiensis*, *Discoaster*  
Site 959, A:89  
Site 960, A:178–179; B:417, 431  
Site 961, A:236
- barbadiensis/elegans*, *Discoaster*  
Site 959, B:416  
Site 960, B:419
- barghoornii*, *Gnetaceapollenites*, Site 962, B:275
- barnesae*, *Watznaueria*  
Site 959, A:90; B:323  
Site 960, A:178, 180  
Site 961, A:234, 236; B:285  
Site 962, A:272; B:324
- beccariiiformis*, *Gavelinella*, Site 959, B:391
- beccariiiformis*, *Stensioina*, Site 961, A:238
- Beella digitata*  
Site 959, B:466, 479  
Site 960, B:466
- Beella praedigitata*  
Site 959, B:466  
Site 960, B:466
- bejuui* n. sp., *Spiniferites*, Site 959, B:266, 274
- belemnus*, *Sphenolithus*  
Site 959, A:89; B:512, 516, 534  
Site 960, A:178–179; B:513–514
- bellus*, *Discoaster*, Site 961, A:236
- bentonensis*, *Globigerinelloides*, Site 962, A:273; B:337–338, 342
- berggrenii*, *Discoaster*  
Site 959, A:88; B:512, 534  
Site 961, A:235–236; B:515
- bermudezi*, *Clavatorella*  
Site 959, B:466, 479  
Site 960, B:479
- bermudezi*, *Matazia* sp. cf. *Matazia*, Site 961, A:237
- Berthelina intermedia*  
Site 959, B:348, 352  
Site 962, B:357, 362
- Berthelina* spp., Site 962, B:348
- beveiri*, *Broinsonia*, Site 962, A:272
- biacuta*, *Guttacapsa*, Site 962, B:364, 369, 372
- bianii*, *Achilleodinium*, Site 959, B:272
- biapiculata*, *Naviculopsis*, Site 959, A:92; B:494, 502, 508
- biapiculata nodulifera*, *Naviculopsis*, Site 959, B:502, 508
- biapiculata* var. 1, *Naviculopsis*, Site 959, B:494, 502, 508
- biapiculata* var. 2, *Naviculopsis*, Site 959, B:494, 502, 508
- biapiculata* var. 3, *Naviculopsis*, Site 959, B:502, 508
- bicorne*, *Strichtopilium*, Site 962, A:273
- bifax*, *Discoaster*, Site 959, A:89
- bifidum*, *Exochosphaeridium*, Site 959, B:272, 303
- “Biglobigerinella”* sp., Site 962, A:273
- bijugatus*, *Zygrhablithus*  
Site 959, B:415–416  
Site 960, A:179; B:421
- bilobata*, *Orbulina*, Sites 959–962, B:473
- binodosus*, *Discoaster*  
Site 959, A:89  
Site 960, A:178–180; B:417, 419, 431  
Site 961, A:236
- bipolaris*, *Fibrocysta*, Site 959, B:285, 311, 313, 484
- bipolaris*, *Fibrocysta* cf. *Fibrocysta*, Site 959, B:311
- biporta*, *Watznaueria*, Site 960, A:178
- birnageae*, *Fohsella*  
Site 959, B:466, 475  
Site 960, B:466  
Site 961, B:462
- birnageae*, *Globorotalia*  
Site 959, A:92  
Site 961, A:237
- Biscutum constans*, Site 962, A:272; B:324, 327



- Biscutum ellipticum*, Site 962, A:272  
*Biscutum salebrosum*, Site 962, B:324, 327  
*bisectus*, *Dictyococcites*  
 Site 959, A:89; B:414–415  
 Site 960, A:179  
*bisphericus*, *Globigerinoides*  
 Site 959, B:457, 476  
 Site 960, B:476  
 Sites 959–962, B:446, 468  
*Biticinella* sp., Site 962, B:337–339, 343  
*bitrifida*, *Rhombaster*, Site 959, A:89; B:415  
*bizarus*, *Amaurolithus*, Site 960, B:514  
*Blackites spinosus*, Site 960, A:179  
*blowi*, *Archaeoglobigerina*  
 Site 959, B:335, 345  
 Site 960, A:182; B:336, 344  
*bolivariana*, “*Hastigerina*,” Site 960, A:182  
*Bolivina anambra*  
 Site 959, B:376, 378–379, 382, 387  
 Site 962, B:356, 361  
*Bolivina pygmaea*, Site 959, B:379  
*Bolivina* sp. 1  
 Site 959, B:348, 379  
 Site 962, B:349, 352, 356  
*bollii*, *Discoaster*  
 Site 959, B:512–513  
 Site 960, A:179; B:510, 513–514  
 Site 961, B:515  
*bollii*, *Globigerinoides*, Sites 959–960, B:469  
*boloniense*, *Cerodinium*, Site 959, B:301  
*Botryococcus* spp., Site 959, A:93  
*Botryostrobus auritus*, Site 962, A:273  
*braarudii*, *Discoaster*  
 Site 959, A:88  
 Site 960, A:178–179  
 Site 961, A:236  
*Bradeleya dictyon*  
 Site 959, B:525  
 Site 960, B:525, 531  
*bradyi*, *Cibicidoides*, Site 961, A:237  
*bramlettei*, *Tribrachiatus*, Site 959, B:416  
*brasiliensis*, *Classopollis*  
 Site 961, B:258  
 Site 962, B:258, 275, 486–487  
*Brevicolporites* sp., Site 960, B:317  
*breviloculum*, *Chrysalogonium* cf., Site 960, B:441  
*brevis*, *Pleurostomella*, Site 960, B:444  
*brevispina*, *Dictyocha*, Site 959, A:92  
*britannica*, *Ellipsogelasphaera*  
 Site 959, A:90; B:323  
 Site 962, B:324  
*Broinsonia beveiri*, Site 962, A:272  
*Broinsonia dentata*, Site 962, A:272  
*Broinsonia signata*, Site 962, A:272  
*Broinsonia* spp., Site 962, A:272  
*brouweri*, *Discoaster*  
 Site 959, A:87; B:512, 534, 537  
 Site 960, A:177–179; B:514–515  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*buciferum*, *Oligosphaeridium*, Site 962, B:258  
*Bulbobaculites problematicus*, Site 959, B:406  
*Bulbobaculites* sp., Site 959, B:378  
*Bulbobaculites* sp.–*Recurvoides* sp. assemblage,  
 Site 959, B:378  
*Bulimina aculeata*, Site 959, B:606–607, 610  
*Bulimina glomarchallengeri*, Site 960, B:434, 442  
*Bulimina impendens*, Site 960, B:442  
*Bulimina macilenta*, Site 960, B:442  
*Bulimina marginata*, Site 959, B:606–607, 610  
*Bulimina rostrata*, Site 959, B:606–607, 610  
*Bulimina semicostata*, Site 960, B:442  
*Bulimina* spp.  
 Côte d’Ivoire–Ghana continental margin,  
 A:307  
 Site 960, B:433  
 Site 961, A:237  
 Site 962, B:348  
*Bulimina trinidadensis*, Site 960, B:442  
*Buliminella* cf. *gabonica*, Site 959, B:378–379  
*Buliminella gabonica altispira*, Site 959, B:382  
*Buliminella* sp. cf. *gabonica altispira*, Site 959,  
 B:382, 386  
*Buliminella* spp., Site 959, B:378  
*bullata*, *Hemibulimina*, Site 959, B:383  
*bullbrookii*, *Acarinina*, Site 960, A:182  
*bulletta*, *Dorothia*, Site 959, B:409  
*bulloides*, *Globigerina*  
 Site 959, A:90; B:467  
 Site 960, A:180; B:467  
 Site 961, A:236–237; B:467  
*bulloides*, *Pullenia*, Site 961, A:237  
*bulloides*, *Sphaeroidina*, Site 961, A:237  
*bulloideus*, *Globigerinoides*, Sites 959–960, B:468  
*Buntonia* cf. *rosenfeldi*  
 Site 959, B:525, 531  
 Site 960, B:525  
*Buntonia mackenziei*  
 Site 959, B:525, 531  
 Site 960, B:525  
*Buryella clinata–Phormocyrtis striata striata*  
 Zones, Site 961, B:421  
*Buttinia andreevi*  
 Site 959, A:93; B:285, 317  
 Site 960, B:285  
 Site 962, B:287  
*Buzasina* sp., Site 959, B:411  
  
*calathus*, *Chiphragmalithus*, Site 961, A:236;  
 B:421  
*calcaris*, *Discoaster*  
 Site 959, B:512  
 Site 960, B:513–514  
 Site 961, A:236; B:515  
*Calcidiscus leptopus*  
 Site 959, B:513, 576  
 Site 960, A:178; B:515  
 Site 961, A:234–235; B:515  
 Site 962, B:516  
*Calcidiscus macintyre*  
 Site 959, A:87–88; B:512, 519, 534  
 Site 960, A:177–179; B:514–515  
 Site 961, A:234–236; B:515  
 Site 962, B:516  
*Calcidiscus macintyre* Subzone, Site 959, B:534  
*Calculus obscurus?*, Site 959, A:90  
*calida*, *Globigerinella*  
 Site 959, B:467  
 Site 960, B:467  
*californica*, *Danea*, Site 959, B:257, 272  
*californicum*, *Damassadinium*, Site 959, B:484  
*calliopsis*, *Astacolus*, Site 962, B:355, 361  
*Calocycletta costata*, Site 962, A:273  
*Calocycletta costata* Zone, Site 962, A:273, 276  
*Calocycletta robusta*, Site 962, A:273  
*Calocycletta serrata*, Site 961, A:238  
*Calocycletta virginis*, Site 962, A:273  
*calyculus*, *Catinaster*  
 Site 959, B:512–513, 517  
 Site 960, B:513  
 Site 961, B:515  
*Campylosphaera dela*, Site 960, A:178–179;  
 B:430  
*Campylosphaera eodela*, Site 959, A:89; B:415  
*Candeina nitida*  
 Site 959, A:91; B:477  
 Sites 959–961, B:466  
  
*Canningia senonica*, Site 959, B:279, 299  
*Cannopilus iidaensis*, Site 959, B:496  
*Cannopilus schulzii*, Site 959, B:496  
*Cannopilus schulzii* forma *longispinus*, Site 959,  
 B:497  
*cantabriae*, *Heliolithus*, Site 959, A:89  
*caperatus*, *Rugulatisporites*, Site 959, B:279, 317  
*capricornutus*, *Sphenolithus*, Site 959, B:415  
*caribbeanica*, *Gephyrocapsa*  
 Site 959, A:87; B:512–513, 519, 534, 576  
 Site 960, A:178–179; B:514–515, 519  
 Site 961, A:234; B:515  
 Site 962, B:516  
*carinatus*, *Triquetrorhabdulus*  
 Site 959, A:89; B:510, 512  
 Site 960, A:178–179; B:418, 513–514  
*carrierensis*, *Archaospongoprunum*, Site 962,  
 B:368, 372  
*carteri*, *Helicosphaera*  
 Site 959, B:512  
 Site 960, B:514  
 Site 962, B:516  
*caseyi*, *Globigerinoides*, Site 962, A:273;  
 B:336–338, 342  
*Cassidulina laevigata*, Site 959, B:606–607, 610  
*castanea*, *Trichodinium*  
 Site 959, B:279, 301  
 Site 962, B:285, 287  
*castanea bifidum*, *Trichodinium*, Site 959, B:257,  
 274, 484  
*castelaini*, *Elaterocolpites*, Site 962, B:258, 276  
*castelaini*, *Elaterosporites*, Site 962, B:317  
*castelcasiense*, *Cyclonephelium?*, Site 959, B:279,  
 282  
*Catapsydrax dissimilis*  
 Site 959, A:92  
 Site 960, A:181; B:457, 466, 479  
 Site 961, A:237  
 Sites 959–962, B:446  
*Catapsydrax unicavus*  
 Site 960, B:457, 466  
 Sites 959–962, B:446  
*catenula*, *Laevidentalina*, Site 962, B:383, 385  
*Catinaster calyculus*  
 Site 959, B:512–513, 517  
 Site 960, B:513  
 Site 961, B:515  
*Catinaster coalitus*  
 Site 667, B:519  
 Site 959, A:88; B:512, 517  
 Site 960, A:178, 184; B:513–514  
 Site 961, A:236; B:515  
*Catinaster mexicana*  
 Site 959, A:88  
 Site 960, B:514  
 Site 961, B:515  
*Caucasina?* n? sp., Site 960, B:433, 439, 444  
*Caudammina gigantea*, Site 959, B:390, 392, 395,  
 397, 484  
*Caudammina gigantea* Zone, Site 959, B:484  
*Caudammina gigantea–Uvigerinammina jankoi*  
 overlap zone,  
 Site 959, B:390  
*Caudammina ovula*, Site 959, B:407  
*Caudammina ovuloides*, Site 959, B:407, 410  
*Caudammina ovulum gigantea* Zone, Site 959,  
 B:396  
*causea*, *Galeacornea*, Site 962, B:258, 276  
*cava*, *Ericsonia*, Site 961, A:236  
*Cavaspongia euganea*, Site 962, B:364, 368–369,  
 373  
*Cavaspongia sphaerica*, Site 962, B:364, 369, 373  
*Cavaspongia* spp., Site 962, B:366  
*celineae*, *Impagidinium*, Site 959, B:257, 273

- cenomana*, *Schackoina* sp. cf. *Schackoina*, Site 962, A:273; B:339, 343
- cenomaniense*, *Pervosphaeridium*, Site 962, B:258
- Ceratolithus acutus*  
Site 959, A:88; B:518  
Site 960, A:178–179; B:514  
Site 961, A:235
- Ceratolithus armatus*, Site 960, A:178–179; B:514, 518
- Ceratolithus cristatus*, Site 961, A:235
- Ceratolithus rugosus*  
Site 959, A:88  
Site 960, A:179; B:514–515  
Site 961, A:235  
Site 962, A:272; B:516
- Ceratolithus separatus*, Site 961, A:235
- Ceratolithus* spp.  
Site 959, B:512  
Site 962, B:516
- Cerodinium boloniense*, Site 959, B:301
- Cerodinium* cf. *Cerodinium leptodermum*  
Site 959, B:287  
Site 962, B:287
- Cerodinium diebelii*, Site 959, B:257, 272, 279, 285, 301
- Cerodinium granulostriatum*, Site 959, B:257, 272
- Cerodinium leptodermum*, Site 959, B:257, 279
- Cerodinium obliquipes*, Site 959, B:301
- Cerodinium* sp.  
Site 959, B:279  
Site 960, B:285  
Site 962, B:285
- Cerodinium* sp. A, Site 959, B:305
- Cerodinium speciosum*, Site 959, B:279
- Cerodinium striatus*, Site 959, B:309
- chabani*, *Damassadinium*, Site 959, B:484
- chalara*, *Podocyrthis*, Site 960, A:182
- challengeri*, *Dictyocha*, Site 959, B:498
- challengeri*, *Discoaster*  
Site 959, A:88; B:534  
Site 961, A:235–236  
Site 962, A:272
- Charltonina australis*, Site 962, B:356
- charoides*, *Glomospira*  
Site 959, B:404  
Site 962, B:353, 360
- Chenopodipollis* sp., Site 960, B:285, 317
- Chiasmolithus consuetus*  
Site 960, B:430  
Site 961, A:236
- Chiasmolithus expansus*, Site 960, A:178–179
- Chiasmolithus gigas*  
Site 959, B:416  
Site 960, B:418
- Chiasmolithus grandis*  
Site 959, A:89; B:416  
Site 960, A:178–179; B:417, 430
- Chiasmolithus oamaruensis*, Site 959, B:416
- Chiasmolithus solitus*  
Site 959, A:89; B:416  
Site 960, A:178–179, 184; B:417, 430, 514  
Site 961, A:236  
Site 962, A:272
- chileana*, *Stilostomella*, Site 960, B:442
- Chiphragmalithus acanthodes*, Site 961, A:236; B:421
- Chiphragmalithus calathus*, Site 961, A:236; B:421
- chmurae*, *Gemmatricolpites*, Site 959, B:257
- chmurae*, *Gemmatricolpites* cf., Site 959, B:257
- Chrysalogonium asperum*, Site 960, B:441
- Chrysalogonium* cf. *breviloculum*, Site 960, B:441
- Chrysalogonium* cf. *tenuiscostatum*, Site 960, B:441
- Chrysalogonium laeve*, Site 960, B:441
- Chrysalogonium* spp., Site 960, B:433
- Chrysalogonium vicksburgense*, Site 960, B:438, 441
- “*Chytroeisphaeridia everricula*,” Site 959, B:303
- Chytroeisphaeridia* sp. A, Site 959, B:307
- cibaensis*, *Globorotalia*  
Site 959, A:91; B:449, 477  
Site 960, A:180; B:457  
Site 961, A:237  
Sites 959–962, B:469
- Cibicides wuellerstorfi*  
Site 959, B:540–541, 545–554  
Site 961, A:237
- Cibicoides bradyi*, Site 961, A:237
- Cibicoides dayi*, Site 959, B:382
- Cibicoides eoecanus*, Site 960, B:435
- Cibicoides grimsdalei*, Site 960, B:433, 444
- Cibicoides havanensis*, Site 961, A:237
- Cibicoides mundulus*, Site 959, B:606–607, 610
- Cibicoides* spp., Côte d’Ivoire-Ghana continental margin, A:307
- Cicatricosisporites* sp., Site 959, B:255
- ciperoensis*, *Globigerina*, Site 959, A:92
- ciperoensis*, *Sphenolithus*  
Site 959, A:89; B:414–415  
Site 960, A:179; B:513–514
- Circulina parva*, Site 962, B:287, 317
- Circulodinium distinctum*, Site 959, B:279, 299
- Circulodinium* sp. A, Site 959, B:299
- Circulodinium vannophorum*, Site 959, B:278
- cladoides*, *Dinopterygium*, Site 962, B:258
- Classopollis brasiliensis*  
Site 961, B:258  
Site 962, B:258, 275, 486–487
- Classopollis* sp.  
Site 959, B:255  
Site 961, B:258  
Site 962, B:258, 275
- Clavatipollenites* sp., Site 959, A:93
- Clavatorella bermudezi*  
Site 959, B:466, 479  
Site 960, B:479
- claviger*, *Rhabdosphaera*  
Site 960, A:179  
Site 961, A:235
- Clavigerinella akersi*, Site 960, A:182
- Clavigerinella colombiana*, Site 960, A:182
- Clavigerinella eocanica*, Site 960, A:182
- Clavigerinella gr. eocanica*, Site 960, B:434, 444
- Clavigerinella* spp., Site 960, B:433
- Clavulinoides* sp., Site 959, B:409
- Cleistosphaeridium flexuosum*, Site 959, B:313
- clinatus*, *Fasciculithus*, Site 961, A:236
- coalitus*, *Catinaster*  
Site 667, B:519  
Site 959, A:88; B:512, 517  
Site 960, A:178, 184; B:513–514  
Site 961, A:236; B:515
- Coccolithus crassus*, Site 959, B:416
- Coccolithus eopelagicus*, Site 959, B:512
- Coccolithus formosus*, Site 960, A:178–179; B:417, 430
- Coccolithus magnicrassus*, Site 960, A:179
- Coccolithus miopelagicus*  
Site 959, B:512  
Site 960, A:178–179; B:514  
Site 961, A:236
- Coccolithus pelagicus*  
Site 959, B:415, 512, 576  
Site 960, A:179  
Site 961, A:234–236
- Coccolithus staurion*, Site 960, A:179
- colligerum*, *Diphyes*, Site 959, B:279, 309
- colligerum*, *Diphyes* cf. *Diphyes*, Site 959, B:309
- collis*, *Eifellithus*, Site 962, A:272; B:324
- colombiana*, *Clavigerinella*, Site 960, A:182
- columnata*, *Prediscosphaera*  
Site 959, A:90; B:323  
Site 962, A:272; B:324
- Cometodinium* sp. cf. *Cometodinium? whitei*, Site 959, B:301
- communis*, *Stichomitra*, Site 962, B:364, 370, 372
- communis?*, *Stichomitra*, Site 962, A:273
- compactum*, *Cyclonephelium*, Site 959, B:307
- compactus*, *Sphenolithus*, Site 961, A:236; B:515
- complanata*, *Planularia*  
Site 959, B:383, 385  
Site 962, B:355, 361
- complex*, *Oligosphaeridium*, Site 959, B:299
- Complexipollenites* sp., Site 959, A:93
- conara*, *Cryptamphorella*, Site 962, B:369, 373
- concava*, *Micula*  
Site 959, A:90; B:323  
Site 960, A:178; B:324
- concovata*, *Dicarinella*, Site 960, A:182; B:335–336
- concovata*, *Dicarinella(?)*, Site 959, B:335 345
- concovata-asymerica*, *Dicarinella*, Site 960, A:182
- ?*concentrica*, *Cromyodruppa*, Site 962, B:366, 369, 373
- conglobatus*, *Globigerinoides*  
Site 959, B:468  
Site 960, B:468  
Site 962, A:273
- conicus*, *Sphenolithus*, Site 960, A:178
- connecta*, *Globigerina*, Site 959, A:92
- Conorotalites michelinianus*, Site 959, B:383, 386
- Conorotalites* spp., Site 959, B:378
- Conotrochammina* cf. *whangaia*, Site 959, B:408
- Conotrochammina whangaia*, Site 959, B:390–391, 411
- conspicuus*, *Sphenolithus*, Site 959, A:89
- constans*, *Biscutum*, Site 962, A:272; B:324, 327
- constricta*, *Naviculopsis*, Site 959, B:494, 502, 508
- constricta* var. 1, *Naviculopsis*, Site 959, B:502, 508
- constricta* var. 2, *Naviculopsis*, Site 959, B:502, 508
- consueta*, *Cytherella* cf., Site 959, B:529
- consuetus*, *Chiasmolithus*  
Site 960, B:430  
Site 961, A:236
- continuosa*, *Neogloboquadrina*, Sites 959–960, B:472
- contortus*, *Marthasterites*, Site 960, A:179–180
- contortus*, *Tribrachiatum*  
Site 959, A:89; B:416  
Site 960, B:419
- contraria*, *Naviculopsis*  
Site 959, A:92; B:502  
Site 962, A:273
- Contusotruncana fornicata*, Site 960, B:336, 344
- convallis*, *Minylitha*  
Site 959, B:512–513, 517  
Site 960, A:178–179; B:510, 513–514  
Site 961, B:515
- conversa*, *Karrerulina*, Site 959, B:392, 406
- cooksoniae*, *Florentinia*, Site 959, B:309
- cooksoniae*, *Isabelidinium*, Site 960, B:285, 315
- Corbisema apiculata*, Site 959, B:497, 505
- Corbisema apiculata* var. 1, Site 959, B:497
- Corbisema apiculata* Zone, Site 959, A:92; B:494–495, 500
- Corbisema hastata globulata*, Site 959, A:92; B:494, 497

- Corbisema hastata hastata*, Site 959, B:494  
*Corbisema triacantha*, Site 959, B:493  
*Corbisema triacantha mediana*, Site 959, A:92; B:497  
*Corbisema triacantha mediana* Subzone, Site 959, A:92  
*Corbisema triacantha triacantha*  
 Site 959, A:92; B:493–494, 497, 505  
 Site 962, A:273  
*Corbisema triacantha* var. 1, Site 959, B:497, 505  
*Corbisema triacantha* Zone, Site 959, B:493, 495–497  
*Cordosphaeridium* cf. *Cordosphaeridium inodes*, Site 959, B:272, 307  
*Cordosphaeridium exilimurum*, Site 959, B:279, 282, 307  
*Cordosphaeridium fibrospinosum*, Site 959, B:279, 303  
*Cordosphaeridium inodes*, Site 959, B:279, 282, 309  
*Cordosphaeridium* sp. A, Site 959, B:307  
*Cordosphaeridium varians*, Site 959, B:272  
*cornutus cornutus*, *Spiniferites*, Site 959, B:274  
*cornutus laevimurus*, *Spiniferites*, Site 959, B:309  
*Corollina jardinei*, Site 962, B:287, 317  
*Corollina torosus*, Site 962, B:287, 317  
*Corollithion kennedyi*, Site 962, B:324  
*Corollithion signum*, Site 962, A:272; B:324  
*coronadventis*, *Gephyrorhabdus*, Site 962, A:272  
*coronata*, *Areoligera*, Site 959, B:279, 303  
*coronatum*, *Torculum*, Site 962, B:371–372  
*Coronifera oceanica*, Site 959, B:299  
*Coronocyclus nitescens*  
 Site 959, A:88–89; B:512, 517, 534  
 Site 960, B:513–514  
 Site 961, A:236; B:515  
*Corrugatisporites ivoriensis*, Site 959, B:279  
*cortinaensis*, *Archaeospongoprunum*, Site 962, A:273  
*costata*, *Calocyclus*, Site 962, A:273  
*Costellagerina libyca*, Site 962, B:336–338, 341  
*costellata*, *Hedbergella*, Site 962, A:273  
*crassaformis*, *Globorotalia*  
 Site 959, A:90–91; B:449, 456, 477, 540–541, 545–554  
 Site 960, A:180  
 Site 961, A:236–237  
 Site 962, A:273; B:465  
 Sites 959–962, B:469  
*crassimarginatum*, *Cyclonephelium*, Site 959, B:307  
*crassula*, *Globorotalia*, Site 959, A:90; B:469  
*crassus*, *Coccolithus*, Site 959, B:416  
*crebrisulcata*, *Archaeodictyomitra*, Site 962, B:368, 372  
*crenulata*, *Stradneria*, Site 962, A:272  
*crepida*, *Cryptamphorella*, Site 962, B:366, 369, 373  
*Cretaceiporites* sp., Site 962, B:276  
*cretacea*, *Archaeoglobigerina*  
 Site 959, B:335, 345  
 Site 960, A:182; B:336  
*cretacea*, *Guembelitra*, Site 960, A:182  
*cretacea*, *Prediscosphaera*  
 Site 960, A:178, 180  
 Site 961, B:421  
*cretaceum*, *Dinogymnium*, Site 959, B:278, 299  
*cretaceus*, *Ammodiscus*, Site 959, B:404  
*Cribroperidinium* cf. *Cribroperidinium auctificum*, Site 962, B:315  
*Cribroperidinium wetzelii*, Site 959, B:279, 309  
*Cribrostomoides* sp., Site 959, B:408, 411  
*cristata*, *Nannotetrina*  
 Site 959, A:89  
 Site 960, A:184  
*cristatus*, *Ceratolithus*, Site 961, A:235  
*Cromyodruppa ?concentrica*, Site 962, B:366, 369, 373  
*Cromyodruppa* spp., Site 962, B:366  
*crowlei*, *Lagena*, Site 960, B:438, 441  
*Crucella irwini*, Site 962, B:369, 373  
*Crucella messinae*, Site 962, A:273; B:369, 373  
*Crucicribrum* sp. cf. *Crucicribrum anglicum*, Site 962, A:272  
*cruciformis*, *Discoaster*, Site 960, A:178–179; B:431  
*Cruciplacolithus frequens*, Site 959, A:90  
*Cruciplacolithus barbadiensis*  
 Site 959, A:89  
 Site 960, A:178–179; B:417, 431  
 Site 961, A:236  
*Cruciplacolithus tenuis*  
 Site 959, B:512  
 Site 961, A:236  
*crux*, *Distephanus*, Site 959, B:493–494, 500–501, 506  
*crux crux*, *Distephanus*, Site 959, A:92  
*Crybelosporites pannuceus*, Site 962, B:275  
*Cryptamphorella canara*, Site 962, B:369, 373  
*Cryptamphorella crepida*, Site 962, B:366, 369, 373  
*Cryptamphorella* sp., Site 962, B:369, 373  
*Cryptamphorella* spp., Site 962, B:366  
*Cyathidites minor*, Site 961, B:285, 317  
*Cyclapophysis monmouthensis*, Site 959, B:279, 282, 307, 484  
*Cyclicargolithus abisectus*  
 Site 959, A:89; B:414–415, 510, 512, 516  
 Site 960, A:178–179; B:514  
*Cyclicargolithus floridanus*  
 Site 959, A:89; B:414, 510, 512–513, 517  
 Site 960, A:178–179; B:418, 513–514  
 Site 961, A:235–236; B:515  
*Cyclicargolithus gammation*  
 Site 960, A:178–179  
 Site 961, A:236; B:421  
*Cyclicargolithus reticulatus*, Site 959, B:416  
*Cyclogelasphaera margerellii*, Site 962, A:272  
*Cyclonephelium* cf. *Cyclonephelium paucispinum*, Site 959, B:307  
*Cyclonephelium compactum*, Site 959, B:307  
*Cyclonephelium crassimarginatum*, Site 959, B:307  
*Cyclonephelium deconinckii*, Site 959, B:272  
*Cyclonephelium* sp. A, Site 959, B:307  
*Cyclonephelium vannophorum*, Site 959, B:299  
*Cyclonephelium? castelcasiense*, Site 959, B:279, 282  
*cylindrica*, *Rhabdammina*, Site 959, B:392, 404  
*cylindroides*, *Pyralina*  
 Site 959, B:384–385  
 Site 962, B:356  
*Cyrtocapsella tetrapera*, Site 962, A:273  
*Cytherella* cf. *consueta*, Site 959, B:529  
*Cytherella serratula*  
 Site 959, B:525, 529  
 Site 960, B:525  
*Dactyliosphaera lepta*, Site 962, B:364, 369, 372  
*Dactyliosphaera silviae*, Site 962, B:369, 372  
*Dactyliosphaera* spp., Site 962, B:366  
*Daktylethra punctulata*, Site 959, B:416  
*Damassadinium californicum*, Site 959, B:484  
*Damassadinium chabanis*, Site 959, B:484  
*Damassadinium fibrosa*, Site 959, B:484  
*Danea californica*, Site 959, B:257, 272  
*danicus*, *Dictyococcites*, Site 959, A:89  
*dayi*, *Cibicoides*, Site 959, B:382  
*debilis*, *Laevidentalina*, Site 962, B:354, 361  
*deconinckii*, *Cyclonephelium*, Site 959, B:272  
*decoraperta*, *Globoturborotalia*  
 Site 959, B:476  
 Sites 959–962, B:472  
*decoratus*, *Microrhabdulus*  
 Site 959, A:90  
 Site 960, A:180  
*decussata*, *Micula*  
 Site 959, B:323  
 Site 960, A:178, 180; B:324  
*decussatus*, *Haplophragmoides* cf., Site 959, B:407  
*deflandrei*, *Dictyocha*, Site 959, B:494, 498, 505  
*deflandrei*, *Discoaster*  
 Site 959, A:89; B:415, 510, 512  
 Site 960, A:178–179; B:513  
 Site 961, A:236; B:515  
*dehiscens*, *Globoquadrina*  
 Site 959, A:91–92; B:479  
 Site 960, A:181  
 Site 961, A:237  
 Sites 959–962, B:469  
*dehiscens*, *Sphaeroidinella*  
 Site 959, A:91; B:449, 456, 479  
 Site 960, A:180  
 Site 961, A:236–237  
 Site 962, A:273; B:462  
 Sites 959–962, B:473  
*dela*, *Campylosphaera*, Site 960, A:178–179; B:430  
*delicatus*, *Amaurolithus*  
 Site 959, A:88; B:512, 537  
 Site 960, A:178–179; B:513  
 Site 961, A:235; B:515  
*delicatus*, *Discoaster*, Site 961, A:236  
*delphix*, *Sphenolithus*  
 Site 959, B:415  
 Site 960, A:179  
*delrioensis*, *Hedbergella*  
 Site 960, A:182  
 Site 962, A:273; B:336–338, 341, 349  
*delrioensis*, *Hedbergella* sp. cf. *Hedbergella*, Site 959, B:335, 345  
*delrioensis*, *Hedbergella*(?), Site 960, B:335–336  
*delrioensis*, *Praeglobotruncana*, Site 962, A:273; B:339, 343  
*delrioensis*, *Praeglobotruncana* cf., Site 962, B:337  
*densicostata*, *Dictyomitra*, Site 962, B:364, 369, 372  
*densispinatum*, *Spinidinium?* cf. *Spinidinium*, Site 959, B:301  
*Dentalina guttifera*, Site 960, B:438, 441  
*dentata*, *Broinsonia*, Site 962, A:272  
*dentata*, *Dorcadospyrus*, Site 962, A:273  
*dentata*, *Spirolectamma* ex gr., Site 959, B:409  
*dentata*–*glabrata*, *Stilostomella*, Site 960, B:443  
*denticulatum*, *Dinogymnium*, Site 959, B:272  
*Dentoglobigerina altispira*  
 Site 960, A:180–181; B:457  
 Site 961, A:237; B:462  
 Site 962, A:273; B:462  
 Sites 959–962, B:448, 466  
*Dentogloboquadrina altispira*, Site 959, A:90–91; B:449, 479  
*diaphorogona*, *Acaeniotyle*, Site 962, B:368  
*diastypus*, *Discoaster*  
 Site 959, A:89  
 Site 960, A:178–180; B:419  
 Site 961, A:236  
*Dicarinella asymetrica*  
 Site 959, B:390, 483  
 Site 960, B:336

- Dicarinella asymetrica* Zone, Site 960, A:182  
*Dicarinella concavata*, Site 960, A:182; B:335–336  
*Dicarinella concavata* Zone, Site 960, A:182  
*Dicarinella concavata*–*asymetrica*, Site 960, A:182  
*Dicarinella hagni*, Site 960, A:182; B:336, 345  
*Dicarinella*(?) *concavata*, Site 959, B:335, 345  
*Dicroa rara*, Site 962, B:369, 372  
*Dictyocha brevispina*, Site 959, A:92  
*Dictyocha challengerii*, Site 959, B:498  
*Dictyocha deflandrei*, Site 959, B:494, 498, 505  
*Dictyocha extensa extensa*, Site 959, B:498, 505  
*Dictyocha fibula ausonia*, Site 959, B:493–494, 498–499, 505–506  
*Dictyocha fibula fibula*, Site 959, B:494, 499, 505  
*Dictyocha hexacantha*, Site 959, B:494, 499  
*Dictyocha pulchella*, Site 959, B:493  
*Dictyocha* sp. 1, Site 959, B:498, 506  
*Dictyocha spinosa*, Site 959, B:499–500, 505  
*Dictyocha varia*, Site 959, B:500, 506  
*Dictyococcites bisectus*  
 Site 959, A:89; B:414–415  
 Site 960, A:179  
*Dictyococcites danicus*, Site 959, A:89  
*Dictyococcites scrippsae*, Site 959, A:89; B:417  
*Dictyocornyne truncatum*, Site 962, A:273  
*dictyoda*, *Reticulofenestra*  
 Site 959, A:89  
 Site 960, A:178; B:417  
*Dictyomitra densicostata*, Site 962, B:364, 369, 372  
*Dictyomitra multicostata*, Site 962, B:364, 369, 372  
*Dictyomitra nappaensis*, Site 962, B:364, 369, 372  
*dictyon*, *Bradeleya*  
 Site 959, B:525  
 Site 960, B:525, 531  
*Didymocyrtis prismatica*, Site 962, A:273  
*diebelii*, *Cerodinium*, Site 959, B:257, 272, 279, 285, 301  
*diffundens*, *Glomospira*, Site 959, B:391, 397  
*digita*, *Angulobracchia*, Site 962, B:368, 373  
*digitata*, *Beella*  
 Site 959, B:466, 479  
 Site 960, B:466  
*digitosus*, *Neochiastozygus*, Site 961, A:236  
*dilatata*, *Hyperammina*, Site 959, B:410  
*diminutus*, *Globigerinoides*, Site 960, A:181; B:469  
*Dinogymnium acuminatum*, Site 959, B:278–279, 299  
*Dinogymnium cretaceum*, Site 959, B:278, 299  
*Dinogymnium denticulatum*, Site 959, B:272  
*Dinogymnium* group, Site 959, B:257  
*Dinogymnium* spp.  
 Site 959, B:282–283, 484  
 Site 960, B:257, 285  
*Dinogymnium undulosum*  
 Site 959, B:279, 299  
 Site 960, B:285  
*Dinogymnium westralium*, Site 959, B:299  
*Dinopterygium cladoides*, Site 962, B:258  
*diodon*, *Bachmannocella*, Site 959, B:495  
*Diphyes* cf. *Diphyes colligerum*, Site 959, B:309  
*Diphyes colligerum*, Site 959, B:279, 309  
*diplogrammus*, *Glaukolithus*, Site 962, B:324  
*Discoaster adamanteus*  
 Site 959, A:89  
 Site 961, A:236; B:515  
*Discoaster asymmetricus*  
 Site 959, A:88; B:510, 512, 534, 537, 576  
 Site 960, A:177–179; B:514–515, 518  
 Site 961, A:235; B:515  
 Site 962, A:272; B:516  
*Discoaster asymmetricus* Subzone, Site 959, B:534  
*Discoaster barbadiensis*  
 Site 959, A:89  
 Site 960, A:178–179; B:417, 431  
 Site 961, A:236  
*Discoaster barbadiensis/elegans*  
 Site 959, B:416  
 Site 960, B:419  
*Discoaster bellus*, Site 961, A:236  
*Discoaster berggrenii*  
 Site 959, A:88; B:512, 534  
 Site 961, A:235–236; B:515  
*Discoaster bifax*, Site 959, A:89  
*Discoaster binodosus*  
 Site 959, A:89  
 Site 960, A:178–180; B:417, 419, 431  
 Site 961, A:236  
*Discoaster bollii*  
 Site 959, B:512–513  
 Site 960, A:179; B:510, 513–514  
 Site 961, B:515  
*Discoaster braarudii*  
 Site 959, A:88  
 Site 960, A:178–179  
 Site 961, A:236  
*Discoaster brouweri*  
 Site 959, A:87; B:512, 534, 537  
 Site 960, A:177–179; B:514–515  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*Discoaster calcaris*  
 Site 959, B:512  
 Site 960, B:513–514  
 Site 961, A:236; B:515  
*Discoaster challengerii*  
 Site 959, A:88; B:534  
 Site 961, A:235–236  
 Site 962, A:272  
*Discoaster cruciformis*, Site 960, A:178–179; B:431  
*Discoaster deflandrei*  
 Site 959, A:89; B:415, 510, 512  
 Site 960, A:178–179; B:513  
 Site 961, A:236; B:515  
*Discoaster delicatus*, Site 961, A:236  
*Discoaster diastypus*  
 Site 959, A:89  
 Site 960, A:178–180; B:419  
 Site 961, A:236  
*Discoaster druggii*  
 Site 959, A:88–89; B:510, 516  
 Site 960, A:178–179; B:513–514  
 Site 961, A:236; B:515  
*Discoaster elegans*, Site 960, A:178–180  
*Discoaster exilis*  
 Site 959, A:88; B:512  
 Site 960, A:178–179; B:513–514  
*Discoaster gemmifer*, Site 960, A:178–179  
*Discoaster hamatus*  
 Site 959, A:88; B:512–513, 517  
 Site 960, A:178, 184; B:513–514  
 Site 961, A:236; B:515  
*Discoaster kuepperi*  
 Site 959, A:89  
 Site 960, A:178–180; B:419, 431  
 Site 961, A:236; B:421  
*Discoaster kugleri*, Site 959, A:88; B:517  
*Discoaster lenticularis*  
 Site 959, A:89  
 Site 960, B:431  
*Discoaster lodoensis*  
 Site 959, A:89; B:416  
 Site 960, A:178–180; B:419  
 Site 961, A:236  
 ?*Discoaster lodoensis*, Site 960, B:417  
*Discoaster loeblichii*  
 Site 960, B:514  
 Site 961, A:236  
*Discoaster megastypus*  
 Site 959, A:89–90  
 Site 961, A:236  
*Discoaster mohleri*, Site 961, A:236  
*Discoaster multiradiatus*  
 Site 959, A:89–90  
 Site 961, A:236  
*Discoaster multiradiatus/barbadiensis* assemblage, Site 960, A:178  
*Discoaster neohamatus*  
 Site 960, A:178–179; B:514  
 Site 961, A:236; B:515  
*Discoaster neoerectus*, Site 960, A:179; B:510, 513–514, 517  
*Discoaster nephados*  
 Site 959, B:512  
 Site 960, B:513  
*Discoaster nobilis*, Site 959, A:90  
*Discoaster nodifer*, Site 959, A:89  
*Discoaster pansus*  
 Site 960, A:179  
 Site 961, A:235  
*Discoaster pentaradiatus*  
 Site 959, A:87; B:512, 517–518, 534  
 Site 960, A:177–179; B:513–515  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*Discoaster pentaradiatus* Subzone, Site 959, B:534  
*Discoaster petaliformis*  
 Site 959, B:512–513  
 Site 960, B:514  
*Discoaster prepentaradiatus*  
 Site 960, A:178–179  
 Site 961, A:236  
*Discoaster pseudovariabilis*  
 Site 960, B:513  
 Site 961, A:236  
*Discoaster quadramus*, Site 961, A:235  
*Discoaster quinquaramus*  
 Site 959, A:88; B:512, 517, 534  
 Site 960, A:178–179; B:513–514  
 Site 961, A:235; B:515  
*Discoaster robustus*, Site 961, A:236  
*Discoaster saipanensis*  
 Site 959, A:89  
 Site 960, A:178  
*Discoaster sanmiguelensis*  
 Site 959, A:88; B:512  
 Site 960, A:178–179; B:513–514  
 Site 961, B:515  
*Discoaster saundersii*, Site 960, B:513–514  
*Discoaster septemradiatus*, Site 961, A:236  
*Discoaster signus*, Site 960, A:178  
*Discoaster* sp. aff. *Discoaster mohleri*, Site 960, B:431  
*Discoaster* sp. aff. *Discoaster sublodoensis*, Site 960, B:431  
*Discoaster* sp. cf. *Discoaster variabilis*, Site 959, B:512  
*Discoaster splendidus*, Site 961, A:236  
*Discoaster* spp., Site 959, B:576, 579  
*Discoaster strictus*  
 Site 959, A:89  
 Site 960, A:179  
*Discoaster sublodoensis*  
 Site 959, B:416  
 Site 960, A:178–179

- Site 961, A:236  
*Discoaster surculus*  
 Site 959, A:87; B:512, 518, 534  
 Site 960, A:177–179; B:513–515  
 Site 961, A:235  
 Site 962, A:272; B:516  
*Discoaster surculus* Subzone, Site 959, B:534  
*Discoaster tamalis*  
 Site 959, A:87–88; B:512, 518  
 Site 960, A:177, 179; B:514–515, 518  
 Site 961, A:235; B:515  
 Site 962, A:272  
*Discoaster tamalis* Subzone, Site 959, B:534  
*Discoaster tanii*, Site 959, A:89  
*Discoaster tristellifer*, Site 962, A:272  
*Discoaster variabilis*  
 Site 959, A:89; B:512, 534  
 Site 960, A:179; B:514  
 Site 961, A:235–236; B:515  
 Site 962, A:272  
*Discothabdis ignotus/rotatorius*, Site 962, A:272  
*disjuncta*, *Sphaeroidinellopsis*, Site 959, B:473, 479  
*dissimilis*, *Catapsydrax*  
 Site 959, A:92  
 Site 960, A:181; B:457, 466, 479  
 Site 961, A:237  
 Sites 959–962, B:446  
*dissimilis*, *Sphenolithus*  
 Site 959, A:89  
 Site 960, A:179  
 Site 961, B:515  
*distentus*, *Sphenolithus*  
 Site 959, A:89; B:414, 417  
 Site 960, A:179; B:421  
*Distephanus crux*, Site 959, B:493–494, 500–501, 506  
*Distephanus crux crux*, Site 959, A:92  
*Distephanus hanna*  
 Site 959, A:92; B:494, 501  
 Site 962, A:273  
*Distephanus longispinus*, Site 959, B:494, 501, 506  
*Distephanus speculum binoculus*, Site 959, B:501, 507  
*Distephanus speculum haliomma*, Site 959, A:92; B:494  
*Distephanus speculum haliomma* Subzone, Site 959, A:92; B:494–495  
*Distephanus speculum hemisphaericus*  
 Site 959, A:92; B:493–494, 501, 507  
 Site 962, A:273  
*Distephanus speculum patulus*, Site 959, B:493, 501, 507  
*Distephanus speculum pentagonus*, Site 959, B:493, 501, 507  
*Distephanus speculum speculum*, Site 959, A:92; B:494, 501, 506–507  
*Distephanus speculum triommata*  
 Site 959, A:92  
 Site 962, A:273  
*Distephanus stradneri*, Site 959, B:501–502, 506  
*Distephanus stradneri* var. *grandis*, Site 959, B:494, 502, 506  
*Distephanus triommata*, Site 959, A:92  
*distichus*, *Ellipsolithus*, Site 961, A:236  
*distinctum*, *Circulodinium*, Site 959, B:279, 299  
*divaricata*, *Glaphyrocysta*, Site 959, B:313  
*dolichodeira*, *Kriihe* cf., Site 959, B:529  
*Dorcadospyrus dentata*, Site 962, A:273  
*Dorcadospyrus papilio*, Site 961, A:238  
*Dorothia bulleta*, Site 959, B:409  
*Dorothia* ex gr. *filiformis*, Site 959, B:406  
*Dorothia filiformis*, Site 959, B:383, 385  
*Dorothia* spp., Site 959, B:396  
*druggii*, *Discoaster*  
 Site 959, A:88–89; B:510, 516  
 Site 960, A:178–179; B:513–514  
 Site 961, A:236; B:515  
*drugii*, *Trithyrodinium*, Site 959, B:274  
*druyi*, *Globigerina*, Site 961, A:237  
*druyri*, *Globoturborotalia*, Site 959, B:472  
*dubius*, *Neococcolithes*, Site 960, A:178–179; B:431  
*duplex*, *Reophax*, Site 959, B:405  
*duertrei*, *Neogloboquadrina*  
 Site 959, A:90–91; B:449, 478, 540–544, 547–554  
 Site 960, A:180; B:457  
 Site 961, A:236–237  
 Site 962, A:272–273; B:462  
 Sites 959–960, B:472  
*echinatus*, *Spinizonocolpites*, Site 959, A:93  
*Echtriporites trianguliformis?*, Site 959, A:93  
*editus*, *Sphenolithus*, Site 959, A:89  
 “*Eggerella*” *palmerae*, Site 960, B:441  
*Eiffellithus collis*, Site 962, A:272; B:324  
*Eiffellithus eximius*  
 Site 959, A:90; B:323  
 Site 960, A:178, 180; B:323  
*Eiffellithus* sp. 1, Site 959, A:90  
*Eiffellithus turriseiffelii*  
 Site 959, B:323  
 Site 960, A:180  
 Site 962, A:272; B:324  
*Elaterocolpites castelaini*, Site 962, B:258, 276  
*Elaterosporites castelaini*, Site 962, B:317  
*Elaterosporites jardinei*, Site 962, B:287  
*Elaterosporites klaszi*, Site 961, B:258, 276  
*Elaterosporites protensus*  
 Site 961, B:258  
 Site 962, B:258, 276  
*Elaterosporites protensus* and *Elaterosporites verrucatus* Subzone IB, Site 961, B:258  
*Elaterosporites verrucatus*, Site 961, B:258, 276  
*elegans*, *Discoaster*, Site 960, A:178–180  
*elegans*, *Euchitonina*, Site 962, A:273  
*elegans*, *Hoeglundina*  
 Site 959, B:606, 608–609  
 Site 961, A:237  
*elegans*, *Zeugrhabdotus*, Site 962, B:324, 327  
*elegans*, *Zeugrhabdotus* sp. cf. *Zeugrhabdotus*, Site 962, B:324  
*Ellipsogelasphaera britannica*  
 Site 959, A:90; B:323  
 Site 962, B:324  
*Ellipsoidina abbreviata*, Site 959, B:383  
*Ellipsolithus distichus*, Site 961, A:236  
*Ellipsolithus lajollaensis*, Site 961, A:236  
*Ellipsolithus macellus*, Site 961, A:236  
*elliptica*, *Bachmannocena*  
 Site 959, A:92; B:493, 495–496, 505  
 Site 962, A:273  
*ellipticum*, *Biscutum*, Site 962, A:272  
*elongata*, *Lychnocanoma*, Site 961, A:238  
*elongatus*, *Sphenolithus*, Site 960, B:417  
*emelianovi*, *Hexaporotricolpites*, Site 962, B:275  
*Emiliania huxleyi*  
 Site 959, B:513, 519, 534, 576  
 Site 961, A:234; B:515  
 Site 962, A:271; B:516  
 ?*Emiliania huxleyi*, Site 960, A:178; B:515  
*Emiliania ovata*, Site 959, B:534  
*Emiliania ovata* Subzone, Site 959, B:534  
*eminens*, *Towieus*, Site 961, A:236  
*enebrachium*, *Quadrum*, Site 959, B:323  
*enthacanthum*, *Hexacantium*, Site 962, A:273  
*eocaenus*, *Cibicidoides*, Site 960, B:435  
*eocanica*, *Clavigerinella*, Site 960, A:182  
*eocanica*, *Clavigerinella* gr., Site 960, B:434, 444  
*eocenica*, *Pullenia*, Site 960, B:443  
*eodela*, *Campylosphaera*, Site 959, A:89; B:415  
*eopelagicus*, *Coccolithus*, Site 959, B:512  
*Ephedripites ambonoides*, Site 961, B:275  
*Ephedripites montanaensis*, Site 962, B:275  
*Ephedripites multicostatus*  
 Site 959, B:279  
 Site 961, B:317  
 Site 962, B:287  
*Ephedripites* sp., Site 959, A:93  
*Ephedripites* sp. 1  
 Site 959, B:279  
 Site 960, B:317  
*Ephedripites* sp. 2, Site 962, B:317  
*Ephedripites* sp. 7, Site 962, B:275  
*Ephedripites* sp. 8, Site 962, B:275  
*Ephedripites* spp.  
 Site 961, B:285  
 Site 962, B:287  
*Ephedripites zaklinskaiae*  
 Site 959, B:257  
 Site 962, B:275  
*epigona*, *Rzehakina*, Site 959, B:390, 392, 395, 404, 411, 484  
*epigona lata*, *Rzehakina*, Site 959, B:411  
*Epistomella exigua*, Site 959, B:606–607, 609–610  
*Eponides polius*, Site 961, A:237  
*Eponides tenera*, Site 959, B:606–607, 610  
*Eprolithus floralis*  
 Site 959, A:90; B:323  
 Site 960, A:180  
 Site 962, A:272  
*Eprolithus octopetalus*, Site 959, B:323  
*Ericipites* sp., Site 959, A:93  
*Ericsonia cava*, Site 961, A:236  
*Ericsonia ovalis*, Site 961, A:236  
*Ericsonia robusta*, Site 961, A:236  
*euapertura*, *Globigerina*  
 Site 959, A:92  
 Site 960, A:181  
*Euchitonina elegans*, Site 962, A:273  
*euclaense*, *Alysogymnium*, Site 959, B:299  
*Eucyrtidium hexagonatum*, Site 962, A:273  
*euganea*, *Cavaspongia*, Site 962, B:364, 368–369, 373  
*euganeum*, *Rhopalosyringium*, Site 962, B:364  
*euganeum*, *Rhopalosyringium* sp. cf. *Rhopalosyringium*, Site 962, B:370, 372  
*euphratis*, *Helicosphaera*, Site 959, B:512  
 “*everricula*,” *Chytroeisphaeridia*, Site 959, B:303  
*excelsa*, *Nothia* sp. ex gr., Site 959, B:383, 385, 405  
*excolata*, *Spiroplectammina*, Site 959, B:391  
*exigua*, *Epistomella*, Site 959, B:606–607, 609–610  
*exiguus*, *Tranolithus*  
 Site 959, B:323  
 Site 962, A:272; B:324  
*exilimum*, *Cordosphaeridium*, Site 959, B:279, 282, 307  
*exilis*, *Discoaster*  
 Site 959, A:88; B:512  
 Site 960, A:178–179; B:513–514  
*exilis*, *Globorotalia*  
 Site 959, B:478  
 Sites 959–960, B:469  
*eximius*, *Eiffellithus*  
 Site 959, A:90; B:323  
 Site 960, A:178, 180; B:323  
*Exochosphaeridium bifidum*, Site 959, B:272, 303

- expansus*, *Chiasmolithus*, Site 960, A:178–179  
*extensa extensa*, *Dictyochoa*, Site 959, B:498, 505  
*extremus*, *Globigerinoides*  
 Site 959, A:91; B:456, 468, 476  
 Site 960, A:180–181; B:468  
 Site 961, A:237; B:462  
 Site 962, A:273  
*exuberans*, *Glaphyrocysta*, Site 959, B:313
- fang*, *Praebulimina*, Site 959, B:378–379, 383, 387  
*farmsworthii*, *Triquetrorhabdulus*, Site 960, B:514  
*Fasciculithus alanii*, Site 959, A:89  
*Fasciculithus clinatus*, Site 961, A:236  
*Fasciculithus involutus*, Site 959, A:89  
*Fasciculithus* spp.  
 Site 959, B:415  
 Site 961, B:421  
*Fasciculithus tympaniformis*  
 Site 959, A:89  
 Site 961, A:236  
*ferox*, *Florentinia*, Site 959, B:299  
*Fibradinium annetorpense*, Site 959, B:273  
*Fibrocysta axialis*, Site 959, B:273  
*Fibrocysta bipolaris*, Site 959, B:285, 311, 313, 484  
*Fibrocysta* cf. *Fibrocysta bipolaris*, Site 959, B:311  
*Fibrocysta vectensis*, Site 959, B:285, 313, 484  
*fibrosa*, *Damassadinium*, Site 959, B:484  
*fibrospinusum*, *Cordosphaeridium*, Site 959, B:279, 303  
*fibula ausonia*, *Dictyochoa*, Site 959, B:493–494, 498–499, 505–506  
*fibula fibula*, *Dictyochoa*, Site 959, B:494, 499, 505  
*filiformis*, *Dorothia*, Site 959, B:383, 385  
*filiformis*, *Dorothia* ex gr., Site 959, B:406  
*fissistomata*, *Rzehakina*, Site 959, B:391, 411  
*fistulosus*, *Globigerinoides*  
 Site 959, A:90–91  
 Site 960, A:180  
 Site 961, A:236  
 Site 962, A:273  
*flandrini*, *Gavelinella*, Site 959, B:348, 357  
*flandrini*, *Hedbergella* cf., Site 959, B:335, 345  
*flexuosum*, *Cleistosphaeridium*, Site 959, B:313  
*floralis*, *Eprolithus*  
 Site 959, A:90; B:323  
 Site 960, A:180  
 Site 962, A:272  
*Florentinia cooksoniae*, Site 959, B:309  
*Florentinia ferox*, Site 959, B:299  
*Florentinia rexex*, Site 959, B:273  
*floridanus*, *Cyclicargolithus*  
 Site 959, A:89; B:414, 510, 512–513, 517  
 Site 960, A:178–179; B:418, 513–514  
 Site 961, A:235–236; B:515  
*Florilus florinensis*, Site 960, B:443  
*florinensis*, *Florilus*, Site 960, B:443  
*Florisphaera profunda*  
 Côte d'Ivoire-Ghana continental margin,  
 A:313; B:517  
 Site 959, B:513, 519, 534, 537, 575–580, 582  
 Site 960, A:177–179; B:514–515, 519  
 Site 961, A:234–235; B:515  
 Site 962, A:271–272; B:516  
*fluens*, *Spiniferites*, Site 959, B:274, 279, 315  
*Fohsella birnageae*  
 Site 959, B:466, 475  
 Site 960, B:466  
 Site 961, B:462  
*Fohsella fohsi*, Site 959, B:456, 466, 475  
*Fohsella fohsi fohsi*, Site 959, B:456  
*Fohsella fohsi lobata*, Site 959, B:456  
 Site 960, A:180; B:323  
*Gaudryina pyramidata*, Site 959, B:383  
*Gavelinella beccariiformis*, Site 959, B:391  
*Gavelinella flandrini*, Site 959, B:348, 357  
*Gavelinella* sp. 1, Site 959, B:383, 386  
*Gavelinella* spp.  
 Site 959, B:348, 378  
 Site 962, B:348, 357, 362  
*Geiselodinium psilatatum*, Site 959, B:279, 301  
*Geminolithella rotula*, Sites 959–962, B:516  
*Gemmatricolpites* cf. *chmurae*, Site 959, B:257  
*Gemmatricolpites chmurae*, Site 959, B:257  
*gemmifer*, *Discoaster*, Site 960, A:178–179  
 Gen. 1 sp., Site 959, B:525, 530  
 Gen. 2 sp., Site 959, B:525, 531  
 Gen. 3 sp., Site 959, B:525, 531  
*Gephyrocapsa aperta*  
 Site 959, A:87; B:512–513, 534  
 Site 960, B:514  
 Site 962, A:272; B:516  
*Gephyrocapsa caribbeanica*  
 Site 959, A:87; B:512–513, 519, 534, 576  
 Site 960, A:178–179; B:514–515, 519  
 Site 961, A:234; B:515  
 Site 962, B:516  
*Gephyrocapsa caribbeanica* Subzone, Site 959, B:534  
*Gephyrocapsa margerelii*, Site 962, B:516  
*Gephyrocapsa oceanica*  
 Site 959, A:87; B:513, 519, 534, 576  
 Site 960, A:178–179; B:514–515, 519  
 Site 961, A:234; B:515  
 Site 962, A:272; B:516  
*Gephyrocapsa omega*, Site 962, B:516  
*Gephyrocapsa parallela*, Site 962, A:271–272  
*Gephyrocapsa* spp.  
 Site 959, B:534  
 Site 960, A:177, 179; B:515, 518–519  
*Gephyrorhabdus coronadventis*, Site 962, A:272  
*ghanaensis* n. sp., *Xenascus*, Site 959, B:266–267, 274  
*gigantea*, *Caudamina*, Site 959, B:390, 392, 395, 397, 484  
*gigas*, *Chiasmolithus*  
 Site 959, B:416  
 Site 960, B:418  
*Giraffospyris angulata*, Site 962, A:273  
*glabratus*, *Ammodiscus*, Site 959, B:410  
*Glaphyrocysta divaricata*, Site 959, B:313  
*Glaphyrocysta exuberans*, Site 959, B:313  
*Glaphyrocysta* group, Site 959, B:257  
*Glaphyrocysta ordinata*, Site 959, B:313  
*Glaphyrocysta perforata*, Site 959, B:279, 282, 311  
*Glaphyrocysta wilsonii*, Site 959, B:273  
*Glaukolithus diplogrammus*, Site 962, B:324  
*Glaukolithus theta*, Site 962, B:324  
*Globigerina aequilateralis*, Site 959, A:91  
*Globigerina anguisuturalis*, Site 959, A:92  
*Globigerina bulloides*  
 Site 959, A:90; B:467  
 Site 960, A:180; B:467  
 Site 961, A:236–237; B:467  
*Globigerina ciproensis*, Site 959, A:92  
*Globigerina connecta*, Site 959, A:92  
*Globigerina druryi*, Site 961, A:237  
*Globigerina euapertura*  
 Site 959, A:92  
 Site 960, A:181  
*Globigerina fistulosus*, Site 961, A:236  
*Globigerina nepenthes*  
 Site 959, A:91  
 Site 960, A:180–181; B:457  
 Site 961, A:237; B:462
- Fohsella fohsi robusta*  
 Site 959, B:456  
 Sites 959–962, B:448  
*Fohsella kugleri*, Sites 959–962, B:446  
*Fohsella languaensis*  
 Site 959, B:456, 466, 475  
 Site 960, B:457, 466  
*Fohsella peripheroacuta*  
 Site 959, B:456–457, 475  
 Site 960, B:457  
 Sites 959–962, B:446–447, 467  
*Fohsella peripheroronda*  
 Site 959, B:475  
 Site 960, B:457, 467  
*Fohsella "praefohsi"*  
 Site 959, B:456, 475  
 Sites 959–962, B:447, 467  
*fohsi*, *Fohsella*, Site 959, B:456, 466, 475  
*fohsi*, *Globorotalia*, Site 959, A:91  
*fohsi fohsi*, *Fohsella*, Site 959, B:456  
*fohsi lobata*, *Fohsella*, Site 959, B:456  
*fohsi lobata*, *Globorotalia*, Site 959, A:91  
*fohsi robusta*, *Fohsella*  
 Site 959, B:456  
 Sites 959–962, B:448  
*fohsi robusta*, *Globorotalia*, Site 959, A:91  
*foliacea tumida*, *Naviculopsis*, Site 959, B:502, 508  
*Fontbotia wuellerstorfi*, Site 959, B:606–607, 609–610  
*formosus*, *Coccolithus*, Site 960, A:178–179; B:417, 430  
*fornicata*, *Contusotruncana*, Site 960, B:336, 344  
*fornicata*, *Rosita*, Site 960, A:182  
*fossilis*, *Scapholithus*, Site 959, B:534  
*Foveotricolpites* sp., Site 959, A:93  
*Foveotricolpites margaritae*, Site 959, B:279  
*fragaria*, *Vaginulinopsis*, Site 960, B:434, 437–438, 441  
*frequens*, *Cruciplacolithus*, Site 959, A:90  
*Fronicularia lamellata*, Site 962, B:355, 361  
*Fronicularia* spp., Site 962, B:348  
*fulgens*, *Nannotetrina*, Site 960, B:418  
*furcatolithoides*, *Sphenolithus*  
 Site 959, A:89  
 Site 960, A:179; B:417  
*furcatus*, *Marthasterites*  
 Site 959, A:90; B:323  
 Site 960, A:178, 180; B:324  
*Fursenkoina viscida*, Site 962, B:356
- gabalus*, *Tranolithus*, Site 960, A:180  
*gabonensis*, *Andalusiella*, Site 959, B:305  
*gabonica*, *Buliminella* cf., Site 959, B:378–379  
*gabonica*, *Buliminella* sp. cf., Site 959, B:382, 386  
*gabonica altispira*, *Buliminella*, Site 959, B:382  
*Gabonita spinosa*, Site 959, B:376  
*gaditanum*, *Phelodinium*, Site 959, B:301  
*Galeacornea causea*, Site 962, B:258, 276  
*gammation*, *Cyclicargolithus*  
 Site 960, A:178–179  
 Site 961, A:236; B:421  
*Gartnerago nanum*  
 Site 959, A:90  
 Site 962, A:272; B:324  
*Gartnerago obliquum*  
 Site 959, B:512  
 Site 960, A:180  
 Site 962, B:324  
*Gartnerago* sp. cf. *Gartnerago obliquum*, Site 962, A:272  
*gartneri*, *Reticulofenestra*, Site 960, A:178–179  
*gartnerii*, *Quadrum*  
 Site 959, A:90; B:323

- Globigerina praebulloides*  
Site 959, A:92  
Site 961, A:237
- Globigerina woodi*, Site 961, A:237
- Globigerinatella insueta*  
Site 959, B:472, 477  
Site 960, A:181  
Sites 959–962, B:446
- Globigerinatella* sp., Site 959, B:477
- Globigerinella calida*  
Site 959, B:467  
Site 960, B:467
- Globigerinella obesa*  
Site 959, A:92; B:467, 479  
Site 960, B:467
- Globigerinella praesiphonifera*  
Site 959, A:91; B:467, 479  
Site 960, B:467  
Site 961, A:237
- Globigerinella siphonifera*  
Site 959, B:467, 479  
Site 960, B:467
- Globigerinelloides bentonensis*, Site 962, A:273;  
B:337–338, 342
- Globigerinelloides* sp., Site 959, A:92
- Globigerinina glutinata*  
Site 959, B:477  
Sites 959–962, B:467
- Globigerinina uvula*  
Site 959, B:468 477  
Site 960, B:468
- Globigerinoides altiapertura*  
Site 960, B:476  
Sites 959–960, B:468–469
- Globigerinoides bisphericus*  
Site 959, B:457, 476  
Site 960, B:476  
Sites 959–962, B:446, 468
- Globigerinoides bollii*, Sites 959–960, B:469
- Globigerinoides bulloideus*, Sites 959–960, B:468
- Globigerinoides caseyi*, Site 962, A:273;  
B:336–338, 342
- Globigerinoides conglobatus*  
Site 959, B:468  
Site 960, B:468  
Site 962, A:273
- Globigerinoides diminutus*, Site 960, A:181;  
B:469
- Globigerinoides extremus*  
Site 959, A:91; B:456, 468, 476  
Site 960, A:180–181; B:468  
Site 961, A:237; B:462  
Site 962, A:273
- Globigerinoides fistulosus*  
Site 959, A:90–91  
Site 960, A:180  
Site 962, A:273
- Globigerinoides mitra*  
Site 959, B:468, 476  
Site 960, B:468
- Globigerinoides obliquus*  
Site 960, B:476  
Sites 959–962, B:468
- Globigerinoides parawoodi*  
Site 959, B:476  
Sites 959–960, B:469
- Globigerinoides primordius*  
Site 960, A:181  
Sites 959–962, B:446
- Globigerinoides ruber*  
Site 959, A:90; B:476  
Site 960, A:180  
Site 961, A:236  
Sites 959–962, B:468
- Globigerinoides sacculifer*  
Site 959, A:90–91; B:449, 540–544, 547–554  
Site 960, A:180–181  
Site 961, A:236–237  
Site 962, A:273  
Sites 959–962, B:468
- Globigerinoides sacculifer* cf. *fistulosus*, Site 959,  
B:476
- Globigerinoides sacculifer fistulosus*  
Site 959, B:449, 468, 476  
Site 960, B:457  
Sites 959–962, B:449
- Globigerinoides sacculifer* (var. *trilobus*), Sites  
959–962, B:446
- Globigerinoides seigliei*  
Site 959, B:476  
Site 961, A:237  
Sites 959–960, B:468
- Globigerinoides sicanus*, Site 960, A:181
- Globigerinoides subquadratus*  
Site 961, A:237  
Sites 959–960, B:468
- Globigerinoides trilobus*  
Site 959, A:91–92; B:457  
Site 960, A:181  
Site 961, A:237
- Globocassidulina subglobosa*  
Site 959, B:606, 608–609  
Site 960, B:433, 444
- Globoquadrina dehiscens*  
Site 959, A:91–92; B:479  
Site 960, A:181  
Site 961, A:237  
Sites 959–962, B:469
- Globoquadrina venezuelana*  
Site 959, A:90–91; B:449  
Site 960, A:180–181  
Site 961, A:237  
Sites 959–962, B:469
- Globorotalia archeomenardii*  
Site 959, A:91; B:475  
Site 960, A:181  
Sites 959–960, B:469
- Globorotalia birnageae*  
Site 959, A:92  
Site 961, A:237
- Globorotalia cibaoensis*  
Site 959, A:91; B:449, 477  
Site 960, A:180; B:457  
Site 961, A:237  
Sites 959–962, B:469
- Globorotalia crassaformis*  
Site 959, A:90–91; B:449, 456, 477, 540–541,  
545–554  
Site 960, A:180  
Site 961, A:236–237  
Site 962, A:273; B:465  
Sites 959–962, B:469
- Globorotalia crassula*, Site 959, A:90; B:469
- Globorotalia exilis*  
Site 959, B:478  
Sites 959–960, B:469
- Globorotalia fohsi*, Site 959, A:91
- Globorotalia fohsi lobata*, Site 959, A:91
- Globorotalia fohsi robusta*, Site 959, A:91
- Globorotalia glutinata*, Site 961, A:236
- Globorotalia* gr. *mayeri*  
Site 959, B:456, 475  
Site 961, A:237  
Sites 959–962, B:448, 470
- Globorotalia hirsuta*  
Site 959, B:478  
Site 960, A:180; B:469–470
- Globorotalia inflata*  
Site 959, B:470  
Site 962, A:273
- Globorotalia juanai*  
Site 959, A:91; B:470  
Site 961, A:237
- Globorotalia kugleri*  
Site 959, A:92  
Site 960, A:181
- Globorotalia kugleri mendacis*  
Site 959, A:92  
Site 960, A:181
- Globorotalia languaensis*  
Site 959, A:91  
Site 960, A:181  
Site 961, A:237
- Globorotalia limbata*, Site 959, B:456, 470, 478
- Globorotalia margaritae*  
Site 959, A:91; B:456, 478, 540–541, 545–554  
Site 960, A:180–181; B:457  
Site 961, A:237; B:462  
Sites 959–962, B:448, 470
- Globorotalia margaritae margaritae*, Site 959,  
A:91
- Globorotalia margaritae primitiva*, Site 959, A:91
- Globorotalia menardii*  
Site 959, A:90–91; B:449, 478  
Site 960, A:180–181  
Site 961, A:236–237  
Sites 959–962, B:470
- Globorotalia merotumida*  
Site 959, A:91; B:456  
Site 960, A:181  
Site 961, A:237  
Sites 959–962, B:470
- Globorotalia miocenica*  
Site 959, A:90–91; B:449, 478  
Site 960, A:180; B:457  
Site 961, A:236; B:462  
Site 962, A:273; B:462  
Sites 959–962, B:448, 470
- Globorotalia miozea*, Site 959, B:470, 475
- Globorotalia multicamerata*  
Site 959, A:90; B:449, 478  
Site 960, A:180  
Site 961, A:236–237  
Sites 959–962, B:470
- Globorotalia obliquus*  
Site 959, A:90–91; B:449, 478  
Site 960, A:180–181  
Site 961, A:237
- Globorotalia panda*, Site 959, A:91; B:470
- Globorotalia peripheroacuta*  
Site 959, A:91–92  
Site 960, A:181
- Globorotalia peripheroronda*  
Site 959, A:91–92  
Site 960, A:181  
Site 961, A:237
- Globorotalia pertenuis*  
Site 959, A:90; B:449, 478  
Site 960, A:180; B:457  
Site 961, A:236–237  
Site 962, A:273; B:462  
Sites 959–962, B:470
- Globorotalia plesiotumida*  
Site 959, A:90–91; B:449, 456, 478  
Site 960, A:180–181; B:457  
Site 961, A:237; B:462  
Sites 959–962, B:448, 470–471
- Globorotalia praemenardii*, Site 959, A:91; B:471,  
475
- Globorotalia praescitula*  
Site 959, B:471

- Site 960, B:475  
Site 961, B:462  
*Globorotalia pseudomiocenica*  
Site 960, A:180  
Site 961, A:236; B:462  
Site 962, A:273  
Sites 959–960, B:471  
*Globorotalia puncticulata*  
Site 959, B:449, 478  
Site 960, A:180  
Sites 959–960, B:471  
Sites 959–962, B:448  
*Globorotalia sacculifer*, Site 959, A:90–91  
*Globorotalia sicana*, Site 959, A:91–92  
*Globorotalia scitula*  
Site 959, A:90; B:449, 477  
Site 960, A:180  
Site 961, A:236  
Sites 959–962, B:471  
*Globorotalia siakensis*, Site 959, A:91  
*Globorotalia theyeri*, Sites 959–962, B:471  
*Globorotalia tosaensis*  
Site 959, A:90; B:449  
Site 960, A:180; B:457  
Site 962, A:273  
Sites 959–962, B:449  
*Globorotalia triangula*, Site 959, A:90; B:449, 471  
*Globorotalia truncatulinoides*  
Site 959, A:90; B:449, 471  
Site 960, B:457  
*Globorotalia tumida*  
Site 959, A:90–91; B:449, 456  
Site 960, A:180; B:457, 477–478  
Site 961, A:236–237; B:462  
Site 962, A:272–273; B:465  
Sites 959–962, B:448, 471  
*Globorotalia venezuelana*  
Site 961, A:237  
Site 962, B:462  
*Globorotalites* sp., Site 962, B:356  
*Globorotaloides hexagona*  
Site 959, B:479  
Sites 959–960, B:471  
*Globorotaloides suteri*, Sites 959–960, B:471  
? *Globorotaloides suteri*, Site 960, B:479  
*Globorotaloides variabilis*, Sites 959–960, B:471  
*globosa*, *Gyroidinoides*  
Côte d'Ivoire-Ghana continental margin,  
A:307–308  
Site 961, A:238  
*Globotruncana* sp., Site 960, A:182  
*Globotruncanita elevata* planktonic foraminifer  
zone, Site 959, B:394  
*globotubulosa*, *Ramulina*, Site 959, B:384, 386  
*Globoturborotalita apertura*  
Site 960, B:476  
Sites 959–961, B:472  
*Globoturborotalita decoraperta*  
Site 959, B:476  
Sites 959–962, B:472  
*Globoturborotalita druyri*, Site 959, B:472  
*Globoturborotalita nepenthes*  
Site 959, B:449, 456, 476  
Sites 959–960, B:472  
Sites 959–962, B:448  
*Globoturborotalita woodi*  
Site 959, B:476  
Sites 959–962, B:472  
*Globulina prisca*, Site 962, B:355–356, 361  
*Globulina* spp., Site 962, B:348  
*globulosa*, *Heterohelix*  
Site 959, B:335, 345  
Site 960, B:336, 345  
*globulosus*, *Anomalinoides*, Site 961, A:237  
*glomarchallengeri*, *Bulimina*, Site 960, B:434, 442  
*glomerosa*, *Praeorbulina*  
Site 959, A:91; B:476  
Sites 959–962, B:446, 473  
*glomerosa curva*, *Praeorbulina*, Site 959, B:457  
*glomerosa glomerosa*, *Praeorbulina*  
Site 959, B:457  
Site 960, A:181  
*Glomospira charoides*  
Site 959, B:404  
Site 962, B:353 360  
*Glomospira diffundens*, Site 959, B:391, 397  
*Glomospira grzybowskii*, Site 959, B:391  
*Glomospira irregularis*, Site 959, B:404, 410  
*Glomospira serpens*, Site 959, B:404, 410  
*glutinata*, *Globigerinita*  
Site 959, B:477  
Site 961, A:236  
Sites 959–962, B:467  
*Gnetaceapollenites barghoornii*, Site 962, B:275  
*Gnetaceapollenites jansonii*, Site 961, B:275  
*gochtii*, *Xenascus*, Site 959, B:257, 274  
*Goesella rugosa/Caudamina gigantea* benthic  
foraminifer zone, Site 959, B:394  
*gorbachikae*, *Hedbergella* sp. cf. *Hedbergella*,  
Site 962, A:273; B:337–338, 342  
*gracilis*, *Laevigatosporites*, Site 959, B:317  
*gracilis*, *Mita*, Site 962, B:370, 372  
*grande*, *Unipontidinium*, Site 959, B:257, 274  
*grandis*, *Aschemocella*, Site 959, B:410  
*grandis*, *Chiasmolithus*  
Site 959, A:89; B:416  
Site 960, A:178–179; B:417, 430  
*granulata*, *Helicosphaera*  
Site 960, A:178  
Site 961, A:236  
*Granulatisporites* sp., Site 959, A:93  
*granulostriatum*, *Cerodinium*, Site 959, B:257,  
272  
*greatvalleyensis*, *Bandyella*, Site 959, B:382, 386  
*griffinae*, *Turborotalia*, Site 960, A:182  
*grillii*, *Lithastrinus*  
Site 959, A:90; B:323  
Site 960, B:324  
*grimsdalei*, *Cibicidoides*, Site 960, B:433, 444  
*grzybowskii*, *Glomospira*, Site 959, B:391  
*grzybowskii*, *Kalamopsis*, Site 959, B:404, 410  
*grzybowskii*, *Saccamina*, Site 959, B:410  
*grzybowskii*, *Trochamminoides*, Site 959, B:411  
*Guembelitra cretacea*, Site 960, A:182  
*gutta*, *Guttacapsa*, Site 962, B:364, 369, 372  
*Guttacapsa biacuta*, Site 962, B:364, 369, 372  
*Guttacapsa gutta*, Site 962, B:364, 369, 372  
*guttifer*, *Subreophax* ex gr., Site 959, B:405  
*guttifera*, *Dentalina*, Site 960, B:438, 441  
*Gyroidina zelandicus*, Site 961, A:237  
*gyroidinaeformis*, *Trochammina*, Site 959, B:407  
*Gyroidinoides* cf. *Gyroidinoides nitidus*, Site 962,  
B:357, 362  
*Gyroidinoides globosa*  
Côte d'Ivoire-Ghana continental margin,  
A:307–308  
Site 961, A:238  
*Gyroidinoides neosoldanii*, Site 959, B:608, 610  
*Gyroidinoides soldanii*, Site 959, B:606, 608, 610  
*Gyroidinoides* sp. ex gr. *nitidus*, Site 959, B:383,  
386  
*Gyroidinoides subangulatus*, Site 959, B:378, 383,  
386  
*haeringensis*, *Valvulina*, Site 960, B:437, 441  
*hagni*, *Dicarinella*, Site 960, A:182; B:336, 345  
*hamatus*, *Discoaster*  
Site 959, A:88; B:512–513, 517  
Site 960, A:178, 184; B:513–514  
Site 961, A:236; B:515  
*hannai*, *Distephanus*  
Site 959, A:92; B:494, 501  
Site 962, A:273  
*Hanzawaia ammobila*, Site 960, B:435  
*Haplophragmoides* cf. *decussatus*, Site 959, B:407  
*Haplophragmoides* cf. *walteri*, Site 959, B:411  
*Haplophragmoides* ex gr. *perexplicatus*, Site 959,  
B:407  
*Haplophragmoides kirki*, Site 959, B:411  
*Haplophragmoides* sp., Site 959, B:407, 411  
*Haplophragmoides walteri*, Site 959, B:390, 411  
*hastata globulata*, *Corbisema*, Site 959, A:92;  
B:494, 497  
*hastata hastata*, *Corbisema*, Site 959, B:494  
“*Hastigerina*” *bolivariana*, Site 960, A:182  
*haxtonensis*, *Percivilia*, Site 962, B:324  
*havanensis*, *Nonion*  
Site 960, B:443  
Site 961, A:238  
*havanensis*, *Cibicidoides*, Site 961, A:237  
*havanensis*, *Tritaxia*, Site 960, B:441  
*hazelaie*, *Agrenocythere*  
Site 959, B:525  
Site 960, B:525, 530  
*Hedbergella angolae*, Site 962, A:273;  
B:336–338, 341  
*Hedbergella* cf. *flandrii*, Site 959, B:335, 345  
*Hedbergella* cf. *simplex*, Site 962, B:337–338, 342  
*Hedbergella costellata*, Site 962, A:273  
*Hedbergella delrioensis*  
Site 960, A:182  
Site 962, A:273; B:336–338, 341, 348  
*Hedbergella(?) delrioensis*, Site 960, B:335–336  
*Hedbergella infracretacea*  
Site 959, B:348  
Site 962, B:349  
*Hedbergella planispira*, Site 962, B:349  
*Hedbergella rischi*, Site 962, B:349  
*Hedbergella* sp. cf. *Hedbergella angolae*, Site 962,  
A:273; B:336  
*Hedbergella* sp. cf. *Hedbergella delrioensis*, Site  
959, B:335, 345  
*Hedbergella* sp. cf. *Hedbergella gorbachikae*, Site  
962, A:273; B:337–338, 342  
*Helicosphaera ampliapertura*  
Site 959, A:89; B:512, 516–517  
Site 960, A:178–179; B:513–514  
Site 961, A:236  
*Helicosphaera carteri*  
Site 959, B:512  
Site 960, B:514  
Site 962, B:516  
*Helicosphaera euphratis*, Site 959, B:512  
*Helicosphaera granulata*  
Site 960, A:178  
Site 961, A:236  
*Helicosphaera hyalina*, Site 960, A:178  
*Helicosphaera intermedia*  
Site 959, B:512  
Site 960, A:178–179  
*Helicosphaera inversa*, Site 962, A:271; B:514,  
516  
*Helicosphaera kamptneri*  
Site 960, A:178; B:514  
Site 961, A:234–236; B:515  
*Helicosphaera lophota*, Site 960, A:178; B:430  
*Helicosphaera mediterranea*  
Site 959, B:512  
Site 961, A:236  
*Helicosphaera neogranulata*, Site 960, A:178  
*Helicosphaera obliqua*



- Site 959, B:512  
Site 960, A:179  
Site 961, A:236
- Helicosphaera recta*  
Site 959, B:415, 417  
Site 960, A:179
- Helicosphaera rhomba*, Site 961, A:236  
*Helicosphaera scissura*, Site 959, B:512  
*Helicosphaera sellii*  
Site 959, A:87; B:512, 519  
Site 960, A:177, 179; B:514–515  
Site 961, A:234; B:515  
Site 962, A:272; B:516
- Helicosphaera seminulum*, Site 960, A:179; B:430  
*Helicosphaera truempyi*, Site 960, A:178–179; B:514
- Heliolithus cantabriae*, Site 959, A:89  
*Heliolithus kleinpellii*, Site 959, A:89  
*Heliolithus riedelii*  
Site 959, A:90  
Site 961, A:236
- Heliolithus* spp., Site 961, B:421
- Hemirobulina bullata*, Site 959, B:383
- Henryhowella melobesioides*  
Site 959, B:525, 530  
Site 960, B:525, 530
- heroica*, *Patellula*, Site 962, B:370, 372  
*Heterohelix* cf. *moremani*, Site 962, B:337
- Heterohelix globulosa*  
Site 959, B:335, 345  
Site 960, B:336, 345
- Heterohelix moremani*, Site 962, B:336–337, 339, 343
- Heterohelix* sp.  
Site 959, B:348  
Site 962, A:273; B:337, 348
- Heterohelix* spp.  
Site 960, A:182  
Site 962, A:273
- Heterolepa* sp., Site 959, B:606, 608
- heteromorphus*, *Sphenolithus*  
Site 667, B:519  
Site 959, A:88–89; B:512–513, 516–517  
Site 960, A:178–179; B:513–514, 517  
Site 961, A:236; B:515
- hexacantha*, *Dictyocha*, Site 959, B:494, 499  
*Hexacantium enthacanthum*, Site 962, A:273  
*hexagona*, *Globorotalia*  
Site 959, B:479  
Sites 959–960, B:471
- hexagonatum*, *Eucyrtidium*, Site 962, A:273  
*Hexaporotricolpites emelianovi*, Site 962, B:275  
*Hippocrepina* sp., Site 959, B:410
- hirsuta*, *Globorotalia*  
Site 959, B:478  
Site 960, A:180; B:469–470
- hirsuta*, *Thyrsocyrtis*, Site 961, A:238  
*hirsutum*, *Trichodinium* cf. *Trichodinium*, Site 959, B:305
- ?*Hiscocapsa* sp., Site 962, B:364, 369, 372  
*hispida*, *Uvigerina*, Site 959, B:606, 608, 610  
*hispidum*, *Rhopalosyringium*, Site 962, B:364, 370, 372
- Hoeglundina elegans*  
Site 959, B:606, 608–609  
Site 961, A:237
- Holodiscolithus* spp., Sites 960–961, B:421  
*Hormosira velascoensis*, Site 959, B:390, 407, 410, 484
- Hornibrookina australis*, Site 959, B:416  
*humerosa*, *Neogloboquadrina*, Site 959, B:472  
*huxleyi*, *Emiliana*  
Site 959, B:513, 519, 534, 576  
Site 961, A:234; B:515
- Site 962, A:271; B:516  
*huxleyi*, ?*Emiliana*, Site 960, A:178; B:515  
*hyalina*, *Helicosphaera*, Site 960, A:178  
*hyalospinosus*, *Spiniferites*, Site 959, B:274  
*Hyperammima dilatata*, Site 959, B:410  
*Hystrichodinium* cf. *ramoides*, Site 959, B:273  
*Hystrichodinium pulchrum*, Site 959, B:279, 305  
*Hystrichosphaeridium* cf. *Hystrichosphaeridium tubiferum*, Site 959, B:309  
*Hystrichosphaeridium siphoniphorum* Zone, Site 962, B:285  
*Hystrichosphaeridium tubiferum*, Site 959, B:303
- ignotus/rotatorius*, *Discorhabdus*, Site 962, A:272  
*iidaensis*, *Cannopilus*, Site 959, B:496  
*Impagidinium celinae*, Site 959, B:257, 273  
*impendens*, *Bulimina*, Site 960, B:442  
*Inaperturopollenites* sp., Site 959, A:93  
Incertae sedis, Site 962, B:276  
*inclusa*, *Rzehakina*, Site 959, B:404  
*indoceanica*, *Pontosphaera*  
Site 959, A:87  
Site 960, A:177, 179
- inequispira*, *Subbotina*, Site 960, A:182  
*inflata*, *Globorotalia*  
Site 959, B:470  
Site 962, A:273
- infracretacea*, *Hedbergella*  
Site 959, B:348  
Site 962, B:349
- infragranulata*, *Trocholina*, Site 962, B:354, 360  
*infusorioides*, *Palaeohystrichophora*  
Site 959, B:257, 279  
Site 960, B:285, 299  
Site 962, B:258, 285
- inodes*, *Cordosphaeridium*, Site 959, B:279, 282, 309  
*inodes*, *Cordosphaeridium* cf. *Cordosphaeridium*, Site 959, B:272, 307
- inornata*, *Whiteinella*(?), Site 959, B:335  
*insueta*, *Globigerinatella*  
Site 959, B:472, 477  
Site 960, A:181  
Sites 959–962, B:446
- intermedia*, *Berthelina*  
Site 959, B:348, 352  
Site 962, B:357, 362
- intermedia*, *Helicosphaera*  
Site 959, B:512  
Site 960, A:178–179
- intermedium*, *Quadrum*, Site 959, B:323  
*inversa*, *Helicosphaera*, Site 962, A:271; B:514, 516
- involutus*, *Fasciculithus*, Site 959, A:89  
*irregularis*, *Glomospira*, Site 959, B:404, 410  
*irregularis*, *Umbellosphaera*, Site 959, B:576  
*irregularis*, *Umbilicosphaera*, Site 960, B:515  
*irwini*, *Crucella*, Site 962, B:369, 373  
*Isabelidinium acuminatum*, Site 959, B:257  
*Isabelidinium cooksoniae*, Site 960, B:285, 315  
*ivoirensis*, *Andalusella*, Site 959, B:257, 272  
*ivoirensis*, *Corrugatisporites*, Site 959, B:279
- jankoi*, *Uvigerinammina*, Site 959, B:390, 394, 406, 484  
*jansonii*, *Gnetaceapollenites*, Site 961, B:275  
*japonica*, *Pontosphaera*  
Site 960, A:179  
Site 961, A:235
- jardinei*, *Corollina*, Site 962, B:287, 317  
*jardinei*, *Elaterosporites*, Site 962, B:287  
*jarvisi*, *Reticulophragmoides*, Site 959, B:390, 397, 411  
*jarvisi*, *Stilostomella* gr., Site 960, B:442
- jonesi*, *Marginulinopsis*, Site 959, B:355, 361  
*juanai*, *Globorotalia*  
Site 959, A:91; B:470  
Site 961, A:237
- jucundus*, *Marthasterites*, Site 960, B:323  
*junctus*, *Neochiastozygus*, Site 961, A:236
- Kalamopsis grzybowskii*, Site 959, B:404, 410  
*Kallosphaeridium ?ringnesiorum*, Site 959, B:301  
*Kallosphaeridium yorubaense*, Site 959, B:257, 273
- kampmeri*, *Helicosphaera*  
Site 960, A:178; B:514  
Site 961, A:234–236; B:515
- Karrerella siphonella*, Site 960, B:437, 441  
*Karrerulina conversa*, Site 959, B:392, 406  
*Kenleyia* cf. *Kenleyia lophophora*, Site 959, B:279, 293, 311  
*Kenleyia leptocerata*, Site 959, B:279, 282, 307  
*Kenleyia lophophora*, Site 959, B:273  
*Kenleyia* sp. A, Site 959, B:279, 293, 311  
*Kenleyia* spp., Site 959, B:282–283  
*kennedyi*, *Corollithion*, Site 962, B:324  
*kirki*, *Haplophragmoides*, Site 959, B:411  
*klaszki*, *Elaterosporites*, Site 961, B:258, 276  
*kleinpellii*, *Heliolithus*, Site 959, A:89  
*kochi*, *Sphaeroidinellopsis*  
Site 959, A:90–91; B:449  
Site 960, B:457  
Site 961, A:237  
Sites 959–962, B:473
- ?*Krempelinella* sp., Site 962, B:370, 372  
*Krithe* cf. *dolichodeira*, Site 959, B:529  
*Krithe* cf. *trinidadensis*  
Site 960, B:529  
Site 961, B:529
- kuepperi*, *Discoaster*  
Site 959, A:89  
Site 960, A:178–180; B:419, 431  
Site 961, A:236; B:421
- kugleri*, *Discoaster*, Site 959, A:88; B:517  
*kugleri*, *Fohsella*, Sites 959–962, B:446  
*kugleri*, *Globorotalia*  
Site 959, A:92  
Site 960, A:181  
*kugleri mendacis*, *Globorotalia*  
Site 959, A:92  
Site 960, A:181
- lacunosa*, *Pseudoemiliana*  
Site 959, A:87; B:510, 512–513, 518–519, 534, 537  
Site 960, A:177–179; B:514–515, 518–519  
Site 961, A:234–235; B:515  
Site 962, A:271–272; B:516
- laeve*, *Chrysalogonium*, Site 960, B:441  
*Laevidentalina catenula*, Site 962, B:383, 385  
*Laevidentalina debilis*, Site 962, B:354, 361  
*Laevidentalina linearis*, Site 962, B:354  
*Laevidentalina oligostegia*, Site 962, B:354, 361  
*Laevidentalina soluta*, Site 962, B:383  
*Laevidentalina* spp.  
Site 959, B:378  
Site 962, B:348
- laevigata*, *Cassidulina*, Site 959, B:606–607, 610  
*Laevigatosporites gracilis*, Site 959, B:317  
*Laevigatosporites* spp., Site 959, A:93  
*laevigatum*, *Senegalinium*, Site 959, B:257, 274, 305
- Lagena crowlei*, Site 960, B:438, 441  
*Lagenammina* sp., Site 959, B:410  
*lajollaensis*, *Ellipsolithus*, Site 961, A:236  
*lamellata*, *Froncdicularia*, Site 962, B:355, 361  
*Lamprocyclus maritalis*, Site 962, A:273

- lata*, *Naviculopsis*  
Site 959, A:92; B:494, 500, 502, 507  
Site 962, A:273
- lata* var. 1, *Naviculopsis*, Site 959, B:494, 502
- lata* var. 2, *Naviculopsis*, Site 959, B:502
- Laticarinina pauperata*, Site 961, A:237
- latissima*, *Nothia*, Site 962, B:353, 360
- Legitimocythere acanthoderma*  
Site 959, B:525  
Site 960, B:525, 530
- Leiosphaeridia* sp. A, Site 959, B:315
- Leiosphaeridia* sp. B, Site 959, B:315
- Leiosphaeridia* spp., Site 959, B:279
- Leiotriletes adriennis*, Site 959, A:93
- Lejeunecysta* sp., Site 959, B:309
- lenguensis*, *Fohsella*  
Site 959, B:456, 466, 475  
Site 960, B:457, 466
- lenguensis*, *Globorotalia*  
Site 959, A:91  
Site 960, A:181  
Site 961, A:237
- lenticularis*, *Discoaster*  
Site 959, A:89  
Site 960, B:431
- Lenticulina macrodisca*, Site 959, B:383
- Lenticulina muensteri*, Site 959, B:383
- Lenticulina rotulata*, Site 959, B:383, 385
- Lenticulina* spp.  
Site 959, B:378  
Site 962, B:355, 361
- lenzii*, *Spiniferites* cf. *Spiniferites*, Site 959, B:279, 315
- lepta*, *Dactyliosphaera*, Site 962, B:364, 369, 372
- leptocerata*, *Kenleyia*, Site 959, B:279, 282, 307
- leptodermum*, *Cerodinium*, Site 959, B:257, 279
- leptodermum*, *Cerodinium* cf. *Cerodinium*  
Site 959, B:287  
Site 962, B:287
- leptoporus*, *Calcidiscus*  
Site 959, B:513, 576  
Site 960, A:178; B:515  
Site 961, A:234–235; B:515  
Site 962, B:516
- libyca*, *Costellagerina*, Site 962, B:336–338, 341
- lidiae*, *Palaeocystodinium*, Site 959, B:279, 301
- Liesbergia abdounensis*, Site 959, B:273
- Liliacidites* sp., Site 959, A:93
- Liliasterites angularis*  
Atlantic Ocean E, B:319  
Site 959, B:323  
Site 960, B:323
- Liliasterites angularis* Zone, Atlantic Ocean E, B:320
- Liliasterites atlanticus*, Site 960, B:323
- limbata*, *Globorotalia*, Site 959, B:456, 470, 478
- linearis*, *Laevidentalina*, Site 962, B:354
- Lingulina* spp., Site 962, B:348, 355
- Lingulina taylorana*, Site 959, B:383
- Lingulonodosaria nodosaria*, Site 962, B:354, 361
- Liriospyris* spp., Site 962, A:273
- Liriospyris stauropora*, Site 962, A:273
- Lithastrinus atlanticus*, Atlantic Ocean E, B:320
- Lithastrinus grillii*  
Site 959, A:90; B:323  
Site 960, B:324
- Lithastrinus moratus*  
Atlantic Ocean E, B:320  
Site 959, A:90; B:323
- Lithastrinus septenarius*  
Atlantic Ocean E, B:320  
Site 959, A:90; B:323  
Site 960, A:178, 180; B:324
- Lithochytris archaica*, Site 961, A:238
- Lithochytris vespertilio*, Site 960, A:182
- Lithraphidites alatus*, Site 962, A:272
- lituola*, *Marginulinopsis*, Site 959, B:383, 385
- lockeri*, *Reticulofenestra*  
Site 959, A:89; B:512  
Site 960, A:178; B:513–514
- lodoensis*, *Discoaster*  
Site 959, A:89; B:416  
Site 960, A:178–180; B:419  
Site 961, A:236
- lodoensis*, ?*Discoaster*, Site 960, B:417
- lodogaensis*, *Pseudodictyomitra*, Site 962, B:364, 370, 373
- loeblichii*, *Discoaster*  
Site 960, B:514  
Site 961, A:236
- Longapertites* spp., Site 959, A:93
- Longapertites vaneendenburgi*, Site 959, B:285, 317
- longispinus*, *Distephanus*, Site 959, B:494, 501, 506
- Lophodolithus mochlophorus*, Site 959, A:89
- Lophodolithus nascens*, Site 959, A:89
- lophophora*, *Kenleyia*, Site 959, B:273
- lophophora*, *Kenleyia* cf. *Kenleyia*, Site 959, B:279, 293, 311
- lophota*, *Helicosphaera*, Site 960, A:178; B:430
- Lychnocanoma elongata*, Site 961, A:238
- Lychnocanoma elongata* Zone, Site 961, A:238; B:421
- Lygodiumsporites* sp., Site 959, A:93
- macellus*, *Ellipsolithus*, Site 961, A:236
- macilenta*, *Bulimina*, Site 960, B:442
- macintyreii*, *Calcidiscus*  
Site 959, A:87–88; B:512, 519, 534  
Site 960, A:177–179; B:514–515  
Site 961, A:234–236; B:515  
Site 962, B:516
- mackenziei*, *Buntonia*  
Site 959, B:525, 531  
Site 960, B:525
- macrodisca*, *Lenticulina*, Site 959, B:383
- madecassiana*, *Ticinella*, Site 962, B:336, 338, 342
- madecassiana*, *Ticinella*(?), Site 962, B:337
- magnicrassus*, *Coccolithus*, Site 960, A:179
- magnificum*, *Phelodinium*, Site 959, B:257, 274
- major*, *Poseidonamicus*  
Site 959, B:525, 530  
Site 960, B:525
- mammallaris*, *Tholospyris*, Site 961, A:238
- manifestus*, *Tranolithus*, Site 962, A:272
- Manivitella pemmatoidea*  
Site 960, A:178, 180  
Site 962, A:272
- Manumiella raijiae*, Site 959, B:279, 305
- Manumiella seelandica*, Site 959, B:279, 291, 309
- margaritae*, *Foveotriletes*, Site 959, B:279
- margaritae*, *Globorotalia*  
Site 959, A:91; B:456, 478, 540–541, 545–554  
Site 960, A:180–181; B:457  
Site 961, A:237; B:462  
Sites 959–962, B:448, 470
- margaritae margaritae*, *Globorotalia*, Site 959, A:91
- margaritae primitiva*, *Globorotalia*, Site 959, A:91
- margerelii*, *Cyclogelasphaera*, Site 962, A:272
- margerelii*, *Gephyrocapsa*, Site 962, B:516
- marginata*, *Bulimina*, Site 959, B:606–607, 610
- Marginotruncana sinuosa*?, Site 960, A:182
- Marginotruncana*(?) sp., Site 960, B:335
- Marginulinopsis jonesi*, Site 959, B:355, 361
- Marginulinopsis lituola*, Site 959, B:383, 385
- Marginulinopsis* spp., Site 959, B:378
- Marginulinopsis striatocostata*, Site 962, B:355, 361
- maritalis*, *Lamprocyclus*, Site 962, A:273
- Marthasterites contortus*, Site 960, A:179–180
- Marthasterites furcatus*  
Site 959, A:90; B:323  
Site 960, A:178, 180; B:324
- Marthasterites furcatus* Zone, Atlantic Ocean E, B:320
- Marthasterites jucundus*, Site 960, B:323
- Matazia* sp. cf. *Matazia bermudezi*, Site 961, A:237
- mauthei mauthei*, *Andalusiella*, Site 959, B:272
- maxima*, *Orbiculiforma*, Site 962, B:364, 370, 372
- mayeri*, *Globorotalia* gr.  
Site 959, B:456, 475  
Site 961, A:237  
Sites 959–962, B:448, 470
- mayeri*, *Neogloboquadrina*, Site 959, A:91
- mclaughlini*, *Novixitius*, Site 962, B:364, 370, 373
- mediterranea*, *Helicosphaera*  
Site 959, B:512  
Site 961, A:236
- megastypus*, *Discoaster*  
Site 959, A:89–90  
Site 961, A:236
- melobesioides*, *Henryhowella*  
Site 959, B:525, 530  
Site 960, B:525, 530
- Melonis parkerae*, Site 959, B:606–607
- Membranilarnacia*? sp., Site 959, B:307
- menardii*, *Globorotalia*  
Site 959, A:90–91; B:449, 478  
Site 960, A:180–181  
Site 961, A:236–237  
Sites 959–962, B:470
- merotumida*, *Globorotalia*  
Site 959, A:91; B:456  
Site 960, A:181  
Site 961, A:237  
Sites 959–962, B:470
- messinae*, *Crucella*, Site 962, A:273; B:369, 373
- mexicana*, *Catinaster*  
Site 959, A:88  
Site 960, B:513–514  
Site 961, B:515
- mexicana*, *Nannotetrina*, Site 960, A:179
- mexicana*, *Rectuvigerina*, Site 960, B:433, 442
- micelinianus*, *Conorotalites*, Site 959, B:383, 386
- Micrantholithus* spp., Sites 960–961, B:421
- Micrhystridium* sp., Site 959, B:315
- Microrhabdulus decoratus*  
Site 959, A:90  
Site 960, A:180
- Micula concava*  
Site 959, A:90; B:323  
Site 960, A:178; B:324
- Micula decussata*  
Site 959, B:323  
Site 960, A:178, 180; B:324
- milowii*, *Triquetrorhabdulus*  
Site 959, B:512  
Site 960, A:178; B:513
- minima*, *Rzehakina*, Site 959, B:411
- minima*, *Spirillina*, Site 962, B:354, 360
- minor*, *Cyathidites*, Site 961, B:285, 317
- minuta*, *Reticulofenestra*  
Site 959, B:534, 537  
Site 961, A:236; B:518
- minutula*, *Reticulofenestra*  
Site 959, B:534, 537  
Site 960, A:179  
Site 961, A:235

- Site 962, A:272; B:516  
*Minylitha convalis*  
 Site 959, B:512–513, 517  
 Site 960, A:178–179; B:510, 513–514  
 Site 961, B:515  
*miocenica, Globorotalia*  
 Site 959, A:90–91; B:449, 478  
 Site 960, A:180; B:457  
 Site 961, A:236; B:462  
 Site 962, A:273; B:462  
 Sites 959–962, B:448, 470  
*miopelagicus, Coccolithus*  
 Site 959, B:512  
 Site 960, A:178–179; B:514  
 Site 961, A:236  
*miozea, Globorotalia*, Site 959, B:470, 475  
*Mita gracilis*, Site 962, B:370, 372  
*mitra, Globigerinoides*  
 Site 959, B:468, 476  
 Site 960, B:468  
*mochlophorus, Lophodolitus*, Site 959, A:89  
*mohleri, Discoaster*, Site 961, A:236  
*mohleri, Discoaster* sp. aff. *Discoaster*, Site 960, B:431  
*monmouthensis, Cyclapophysis*, Site 959, B:279, 282, 307, 484  
*Monosulcites* spp.  
 Site 959, B:279, 317  
 Site 961, B:285  
*montanaensis, Ephedripites*, Site 962, B:275  
*moratus, Lithastrinus*  
 Atlantic Ocean E, B:320  
 Site 959, A:90; B:323  
*moremani, Heterohelix*, Site 962, B:336–337, 339, 343  
*moremani, Heterohelix* cf., Site 962, B:337  
*moriformis, Sphenolithus*  
 Site 960, A:178  
 Site 961, A:236  
*morini, Vitorfus*, Site 962, B:364, 371–372  
*morulosa, Palambages*, Site 959, B:282, 315  
*mosquense, Rhopalosyringium*, Site 962, B:370, 373  
*mucronalatum, Pseudobosquetina*  
 Site 959, B:525, 531  
 Site 960, B:525  
*muensteri, Lenticulina*, Site 959, B:383  
*multicamerata, Globorotalia*  
 Site 959, A:90; B:449, 478  
 Site 960, A:180  
 Site 961, A:236–237  
 Sites 959–962, B:470  
*multicostata, Dictyomitra*, Site 962, B:364, 369, 372  
*multicostatus, Ephedripites*  
 Site 959, B:279  
 Site 961, B:317  
 Site 962, B:287  
*multidentatus?, Acanthocircus* aff., Site 962, B:368, 373  
*multiporta, Pontosphaera*, Site 960, B:421, 431  
*Multiporopollenites* sp., Site 962, B:287, 317  
*multiradiatus, Discoaster*  
 Site 959, A:89–90  
 Site 961, A:236  
*multiradiatus/barbadiensis* assemblage,  
*Discoaster*, Site 960, A:178  
*multispinosum, Adnatosphaeridium*, Site 959, B:257, 272  
*mundulus, Cibicidoides*, Site 959, B:606–607, 610  
*murrhina, Pyrgo*  
 Site 959, B:606, 608, 610  
 Site 961, A:237  
*Nannotetrina cristata*  
 Site 959, A:89  
 Site 960, A:184  
*Nannotetrina fulgens*, Site 960, B:418  
*Nannotetrina mexicana*, Site 960, A:179  
*Nannotetrina pappii*, Site 960, A:178  
*Nannotetrina quadrata*, Site 960, A:178–179  
*nanum, Gartnerago*  
 Site 959, A:90  
 Site 962, A:272; B:324  
*Napora praespinifera*, Site 962, B:364, 370, 372  
*nappaensis, Dictyomitra*, Site 962, B:364, 369, 372  
*naranjoensis, Pleurostomella*, Site 960, B:444  
*nascens, Lophodolitus*, Site 959, A:89  
*navarroana, Spiroplectamina*, Site 959, B:409  
*Naviculopsis biapiculata*, Site 959, A:92; B:494, 502, 508  
*Naviculopsis biapiculata nodulifera*, Site 959, B:502, 508  
*Naviculopsis biapiculata* var. 1, Site 959, B:494, 502, 508  
*Naviculopsis biapiculata* var. 2, Site 959, B:494, 502, 508  
*Naviculopsis biapiculata* var. 3, Site 959, B:502, 508  
*Naviculopsis biapiculata* Zone, Site 959, A:92; B:494–495, 498–500  
*Naviculopsis constricta*, Site 959, B:494, 502, 508  
*Naviculopsis constricta* var. 1, Site 959, B:502, 508  
*Naviculopsis constricta* var. 2, Site 959, B:502, 508  
*Naviculopsis contraria*  
 Site 959, A:92; B:502  
 Site 962, A:273  
*Naviculopsis foliacea tumida*, Site 959, B:502, 508  
*Naviculopsis lata*  
 Site 959, A:92; B:494, 501–502, 507  
 Site 962, A:273  
*Naviculopsis lata* var. 1, Site 959, B:494, 502  
*Naviculopsis lata* var. 2, Site 959, B:502  
*Naviculopsis lata* Zone, Site 959, A:92; B:494–497  
*Naviculopsis obtusarca*, Site 959, A:92; B:502–503, 507  
*Naviculopsis ponticula*  
 Site 959, A:92; B:493, 500, 503, 507  
 Site 962, A:273  
*Naviculopsis ponticula spinosa*, Site 962, A:273; B:503, 507  
*Naviculopsis ponticula* Zone  
 Site 959, A:92; B:493–495  
 Site 962, A:273  
*Naviculopsis quadrata*, Site 959, B:494  
*Naviculopsis quadrata* Zone, Site 959, B:495  
*neoabies, Sphenolithus*  
 Site 959, A:87–88; B:512–513, 518, 576  
 Site 960, A:178–179; B:514–515, 518  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*Neobulimina albertensis*, Site 962, B:356, 362  
*Neobulimina* spp., Site 962, B:348  
*Neobulimina subregularis*, Site 959, B:378–379, 383, 387  
*Neochiastozygus digitosus*, Site 961, A:236  
*Neochiastozygus junctus*, Site 961, A:236  
*Neococcolithes dubius*, Site 960, A:178–179; B:431  
*Neoflabellina rugosa*, Site 959, B:390  
*Neogloboquadrina acostaensis*  
 Site 959, A:90–91; B:449, 456, 475  
 Site 961, A:237; B:462  
 Site 962, A:273  
 Sites 959–962, B:448, 472  
*Neogloboquadrina continuosa*, Sites 959–960, B:472  
*Neogloboquadrina dutertrei*  
 Site 959, A:90–91; B:449, 478, 540–544, 547–554  
 Site 960, A:180; B:457  
 Site 961, A:236–237  
 Site 962, A:272–273; B:462  
 Sites 959–960, B:472  
*Neogloboquadrina humerosa*, Site 959, B:472  
*Neogloboquadrina mayeri*, Site 959, A:91  
*Neogloboquadrina pachyderma*  
 Site 959, A:90–91; B:449, 475  
 Site 960, A:180  
 Site 961, A:236  
 Site 962, A:272; B:462  
 Sites 959–960, B:472  
*neogranulata, Helicosphaera*, Site 960, A:178  
*neohamatus, Discoaster*  
 Site 960, A:178–179; B:514  
 Site 961, A:236; B:515  
*neorectus, Discoaster*, Site 960, A:179; B:510, 513–514, 517  
*neosoldanii, Gyroidinoides*, Site 959, B:608, 610  
*nepenthes, Globigerina*  
 Site 959, A:91  
 Site 960, A:180–181; B:457  
 Site 961, A:237; B:462  
*nepenthes, Globoturborotalita*  
 Site 959, B:449, 456, 476  
 Sites 959–960, B:472  
 Sites 959–962, B:448  
*nephados, Discoaster*  
 Site 959, B:512  
 Site 960, B:513  
 new taxa  
 Site 959, B:266–267, 274, 525, 530–531  
 Site 960, B:433  
*nitescens, Coronocylus*  
 Site 959, A:88–89; B:512, 517, 534  
 Site 960, B:513–514  
 Site 961, A:236; B:515  
*nitida, Candaina*  
 Site 959, A:91; B:477  
 Sites 959–961, B:466  
*nitidus, Gyroidinoides* cf. *Gyroidinoides*, Site 962, B:357, 362  
*nitidus, Gyroidinoides* sp. ex gr., Site 959, B:383, 386  
*nobilis, Discoaster*, Site 959, A:90  
*nodifer, Discoaster*, Site 959, A:89  
*Nodosarella* cf. *advena*, Site 960, B:444  
*Nodosarella* spp., Site 959, B:378  
*nodosaria, Lingulonodosaria*, Site 962, B:354, 361  
*Nodosaria aspera*, Site 959, B:383, 385  
*nodulosus, Reophax*, Site 959, B:410  
*Nonion havanense*  
 Site 960, B:443  
 Site 961, A:238  
*Nonion* spp., Côte d'Ivoire-Ghana continental margin, A:307  
*Nothia latissima*, Site 962, B:353, 360  
*Nothia* sp. ex gr. *excelsa*, Site 959, B:383, 385, 405  
*Novixitus mclaughlini*, Site 962, B:364, 370, 373  
*nuttalli, Pleurostomella*, Site 960, B:444  
*Nuttallides* spp., Côte d'Ivoire-Ghana continental margin, A:307  
*Nuttallides truempyi*  
 Site 959, B:391  
 Site 960, B:444

- Site 961, A:237
- oamaruensis*, *Chiasmolithus*, Site 959, B:416
- obesa*, *Globigerinella*  
Site 959, A:92; B:467, 479  
Site 960, B:467
- obliqua*, *Helicosphaera*  
Site 959, B:512  
Site 960, A:179  
Site 961, A:236
- obliquiloculata*, *Pulleniatina*  
Site 959, A:90–91; B:449, 477  
Site 960, A:180; B:457  
Site 961, A:236; B:462  
Site 962, A:272; B:462  
Sites 959–962, B:473
- obliquipes*, *Cerodinium*, Site 959, B:301
- obliquum*, *Gartmerago*  
Site 959, B:512  
Site 960, A:180  
Site 962, B:324
- obliquum*, *Gartmerago* sp. cf. *Gartmerago*, Site 962, A:272
- obliquus*, *Globigerinoides*  
Site 960, B:476  
Sites 959–962, B:468
- obliquus*, *Globorotalia*  
Site 959, A:90–91  
Site 960, A:180–181  
Site 961, A:237
- obscurus?*, *Calculites*, Site 959, A:90
- obtusarca*, *Naviculopsis*, Site 959, A:92;  
B:502–503, 507
- obtusus*, *Sphenolithus*, Site 959, A:89
- oceanica*, *Coronifera*, Site 959, B:299
- oceanica*, *Gephyrocapsa*  
Site 959, A:87; B:513, 519, 534, 576  
Site 960, A:178–179; B:514–515, 519  
Site 961, A:234; B:515  
Site 962, A:272; B:516
- octacantha*, *Tetrapyle*, Site 962, A:273
- octopetalus*, *Eprolithus*, Site 959, B:323
- octoradiata*, *Ahmuellerella*, Site 959, B:323
- Odontochitina operculata*, Site 959, B:301
- Odontochitina porifera*, Site 959, B:273, 279, 301,  
483
- Oligosphaeridium buciniferum*, Site 962, B:258
- Oligosphaeridium complex*, Site 959, B:299
- Oligosphaeridium pulcherrimum*, Site 959, B:273
- oligostegia*, *Laeidentalina*, Site 962, B:354, 361
- omega*, *Gephyrocapsa*, Site 962, B:516
- Ommatartus tetrathalamus*, Site 962, A:273
- Oolina* cf. *Oolina sulcata*, Site 962, B:356
- Oolina sulcata*, Site 962, B:356, 361
- operculata*, *Odontochitina*, Site 959, B:301
- operculatus*, *Proxapertites*, Site 959, A:93
- ophirensis*, *Anthocyrtidium*, Site 962, A:273
- Orbiculiforma maxima*, Site 962, B:364, 370, 372
- Orbiculiforma* sp., Site 962, B:370, 372
- Orbiculiforma* spp., Site 962, B:366
- Orbicullapolis* sp.?, Site 959, A:93
- Orbulina bilobata*, Sites 959–962, B:473
- Orbulina suturalis*  
Site 959, A:91; B:456–457, 476  
Site 960, B:457  
Sites 959–962, B:446, 473
- Orbulina universa*  
Site 959, B:449  
Site 960, A:180  
Site 961, A:236–237  
Sites 959–960, B:473
- ordinata*, *Glaphyrocysta*, Site 959, B:313
- Oridorsalis umbonatus*, Site 960, B:433
- orionatus*, *?Tranolithus*, Site 960, A:180
- orphanknollensis*, *Sphenolithus*, Site 960, B:417
- Orthorhabdus serratus*  
Site 959, B:512–513, 516–517  
Site 960, A:179; B:510, 514  
Site 961, A:236; B:510, 515
- orthostylus*, *Tribrachiatulus*  
Site 959, A:89; B:416  
Site 960, A:178–180; B:417, 419, 431  
Site 961, A:236; B:421
- Osangularia pteromphalia*, Site 960, B:434, 444
- Osangularia* sp. 1, Site 962, B:357, 362
- ?Osangularia* sp. 2, Site 962, B:349, 352, 357, 362
- Osangularia* spp., Site 962, B:348
- ovalis*, *Ericsonia*, Site 961, A:236
- ovata*, *Emiliania*, Site 959, B:534
- ovata*, *Watznaueria*, Site 962, A:272
- ovula*, *Caudammina*, Site 959, B:407
- ovuloides*, *Caudammina*, Site 959, B:407, 410
- pachyderma*, *Neogloboquadra*  
Site 959, A:90–91; B:449, 475  
Site 960, A:180  
Site 961, A:236  
Site 962, A:272; B:462  
Sites 959–960, B:472
- paenedehiscens*, *Sphaeroidinellopsis*  
Site 959, A:90; B:449, 479  
Site 962, A:273  
Sites 959–962, B:473
- Palaeocystodinium australinum*, Site 959, B:273,  
279, 282, 305
- Palaeocystodinium lidiae*, Site 959, B:279, 301
- Palaeocystodinium* sp. A, Site 959, B:301
- Palaeocystodinium* sp. B, Site 959, B:305
- Palaeohystrichophora infusorioides*  
Site 959, B:279  
Site 960, B:285, 299  
Site 962, B:258, 285
- Palambages morulosa*, Site 959, B:282, 315
- Palambages* sp., Site 959, B:315
- palmerae*, “*Eggerella*,” Site 960, B:441
- Palynofacies Assemblage 1, Site 959, B:318
- Palynofacies Assemblage 3, Site 959, B:318
- Palynofacies Assemblage 4, Site 959, B:318
- Palynofacies Assemblage 5, Site 960, B:318
- Palynofacies Assemblage 6, Site 959, B:318
- Palynofacies Assemblage 7, Site 959, B:318
- panda*, *Globorotalia*, Site 959, A:91; B:470
- pannosum*, *Perisseiasphaeridium*, Site 959, B:273
- pannucius*, *Crybelosporites*, Site 962, B:275
- pansus*, *Discoaster*  
Site 960, A:179  
Site 961, A:235
- papilio*, *Dorcadospyrus*, Site 961, A:238
- pappii*, *Nannotetrina*, Site 960, A:178
- paradubia*, *Whiteinella*(?), Site 960, B:335, 344
- Parakrithes* sp., Site 960, B:529
- parallela*, *Gephyrocapsa*, Site 962, A:271–272
- parallelus*, *Astaculus*, Site 959, B:382, 385
- Paranesidea* sp., Site 960, B:529
- Parasubbotina varianta*, Site 960, A:182
- Paratrochamminoides acervulatus*, Site 959,  
B:404
- Paratrochamminoides* sp., Site 959, B:404
- parawoodi*, *Globigerinoides*  
Site 959, B:476  
Sites 959–960, B:469
- Parhabdolithus achylostaurion*, Site 962, A:272
- parkeriae*, *Melonis*, Site 959, B:606–607
- parva*, *Circulina*, Site 962, B:287, 317
- parva*, *Pilospora*, Site 959, A:93
- Parvisaccites* cf. *Parvisaccites radiatus*  
Site 959, B:317  
Site 960, B:285, 484
- Patellina* spp., Site 962, B:348
- Patellina subcretacea*, Site 962, B:354, 360
- Patellula heroica*, Site 962, B:370, 372
- Patellula verteroiensis*, Site 962, B:364, 370, 372
- Patulibracchium* sp., Site 962, B:370, 373
- paucispinum*, *Cyclonephelium* cf.  
*Cyclonephelium*, Site 959, B:307
- pauperata*, *Laticarinina*, Site 961, A:237
- Pediastrum?* sp., Site 959, B:315
- pelagica*, *Thalassiphora*, Site 959, B:279, 282
- pelagicus*, *Coccolithus*  
Site 959, B:415, 512, 576  
Site 960, A:179  
Site 961, A:234–236
- Pemma* spp., Sites 960–961, B:421
- pemmatoides*, *Manivitella*  
Site 960, A:178, 180  
Site 962, A:272
- pentagona*, *Pierceites*, Site 959, B:279, 282–283,  
309
- pentaradiatus*, *Discoaster*  
Site 959, A:87; B:512, 517–518, 534  
Site 960, A:177–179; B:513–515  
Site 961, A:235–236; B:515  
Site 962, A:272; B:516
- Percivilia hauytonensis*, Site 962, B:324
- peregrina*, *Uvigerina*  
Site 959, B:606, 608–610  
Site 961, A:237
- perexplicatus*, *Haplophragmoides* ex gr., Site 959,  
B:407
- perforata*, *Glaphyrocysta*, Site 959, B:279, 282,  
311
- peripheroacuta*, *Fohsella*  
Site 959, B:456–457, 475  
Site 960, B:457  
Sites 959–962, B:446–447, 467
- peripheroacuta*, *Globorotalia*  
Site 959, A:91–92  
Site 960, A:181
- peripheroronda*, *Fohsella*  
Site 959, B:475  
Site 960, B:457, 467
- peripheroronda*, *Globorotalia*  
Site 959, A:91–92  
Site 960, A:181  
Site 961, A:237
- Perisseiasphaeridium pannosum*, Site 959, B:273
- pertenuis*, *Globorotalia*  
Site 959, A:90; B:449, 478  
Site 960, A:180; B:457  
Site 961, A:236–237  
Site 962, A:273; B:462  
Sites 959–962, B:470
- pertusus*, *Toweius*, Site 961, A:236
- Pervosphaeridium cenomaniense*, Site 962, B:258
- Pervosphaeridium truncatum*, Site 962, B:258
- petaliformis*, *Discoaster*  
Site 959, B:512–513  
Site 960, B:514
- petila*, *Vaginulina*, Site 962, B:355
- phacelosus*, *Tranolithus*, Site 959, A:90
- Phelodinium gaditanum*, Site 959, B:301
- Phelodinium magnificum*, Site 959, B:257, 274
- Pierceites pentagona*, Site 959, B:279, 282–283,  
309
- Pilospora parva*, Site 959, A:93
- placacantha*, *Systematophora*, Site 959, B:279,  
303
- Placozygus sigmoides*, Site 961, A:236
- planispira*, *Hedbergella*, Site 962, B:349
- Planularia complanata*  
Site 959, B:383, 385  
Site 962, B:355, 361

- Planularia* spp., Site 959, B:378  
*plesiotumida*, *Globorotalia*  
 Site 959, A:90–91; B:449, 456, 478  
 Site 960, A:180–181; B:457  
 Site 961, A:237; B:462  
 Sites 959–962, B:448, 470–471  
*Pleurostomella brevis*, Site 960, B:444  
*Pleurostomella naranjoensis*, Site 960, B:444  
*Pleurostomella nuttalli*, Site 960, B:444  
*Pleurostomella* spp., Site 959, B:378  
*Podocyrthis chalara*, Site 960, A:182  
*Podocyrthis chalara* Zone, Site 960, A:182; B:421  
*Podocyrthis trachoides*, Site 960, A:182  
*polius*, *Eponides*, Site 961, A:237  
*Polyadopollenites* sp., Site 959, A:93  
*polymorphus*, *Reyrea*, Site 961, B:276  
*polymorphus*, *Reyrea* cf. *Reyrea*, Site 961, B:258, 276  
*ponticula*, *Naviculopsis*  
 Site 959, A:92; B:493, 500, 503, 507  
 Site 962, A:273  
*ponticula spinosa*, *Naviculopsis*, Site 962, A:273; B:503, 507  
*Pontosphaera indoceanica*  
 Site 959, A:87  
 Site 960, A:177, 179  
*Pontosphaera japonica*  
 Site 960, A:179  
 Site 961, A:235  
*Pontosphaera multipora*, Site 960, B:421, 431  
*porifera*, *Odontochitina*, Site 959, B:273, 279, 301, 483  
*Poseidonamicus major*  
 Site 959, B:525, 530  
 Site 960, B:525  
*Poseidonamicus–Pseudobosquetina–Cytherella serrulata* assemblage  
 Site 959, B:525  
 Site 960, B:525  
*Praebulimina fang*, Site 959, B:378–379, 383, 387  
*Praebulimina prolixa longa*, Site 959, B:378–379, 383, 387  
*Praebulimina robusta*, Site 959, B:378–379, 383, 387  
*Praebulimina robusta–Neobulimina subregularis–Gyroidinoides subangulatus* assemblage, Site 959, B:378  
*Praebulimina* sp. 1, Site 959, B:376, 378–379, 383, 387  
*Praebulimina* sp. 2, Site 959, B:378–379, 383–384, 387  
*Praebulimina* sp. 3, Site 959, B:378–379, 384, 387  
*praebulimoides*, *Globigerina*  
 Site 959, A:92  
 Site 961, A:237  
*praecursor*, *Pulleniatina*, Sites 959–962, B:473  
*praedigitata*, *Beella*  
 Site 959, B:466  
 Site 960, B:466  
 “*praefohsi*,” *Fohsella*  
 Site 959, B:456, 475  
 Sites 959–962, B:447, 467  
*Praeglobotruncana* cf. *delrioensis*, Site 962, B:337  
*Praeglobotruncana delrioensis*, Site 962, A:273; B:339, 343  
*praemendarii*, *Globorotalia*, Site 959, A:91; B:471, 475  
*Praeorbulina glomerosa*  
 Site 959, A:91; B:476  
 Sites 959–962, B:446, 473  
*Praeorbulina glomerosa glomerosa*  
 Site 959, B:457  
 Site 960, A:181  
*Praeorbulina sicana*  
 Site 959, B:457, 473  
 Site 960, B:457, 476  
 Site 961, A:237  
 Sites 959–962, B:446  
*praescitula*, *Globorotalia*  
 Site 959, B:471  
 Site 960, B:475  
 Site 961, B:462  
*praesiphonifera*, *Globigerinella*  
 Site 959, A:91; B:467, 479  
 Site 960, B:467  
 Site 961, A:237  
*praespinifera*, *Napora*, Site 962, B:364, 370, 372  
*Prediscosphaera avitus*, Site 962, A:272; B:324  
*Prediscosphaera columnata*  
 Site 959, A:90; B:323  
 Site 962, A:272; B:324  
*Prediscosphaera cretacea*  
 Site 960, A:178, 180  
 Site 961, B:421  
*predistentus*, *Sphenolithus*  
 Site 959, A:89; B:417  
 Site 960, A:179; B:421  
*prepentaradiatus*, *Discoaster*  
 Site 960, A:178–179  
 Site 961, A:236  
*primalis*, *Pulleniatina*  
 Site 959, A:91; B:449, 456, 477  
 Site 960, A:180  
 Site 962, A:273  
 Sites 959–962, B:473  
*primitiva*, *Acarinina*, Site 959, A:92  
*primordius*, *Globigerinoides*  
 Site 960, A:181  
 Sites 959–962, B:446  
*primula*, *Ticinella*, Site 962, B:349  
*primus*, *Amaurolithus*  
 Site 959, A:88; B:510, 512, 517, 537  
 Site 960, A:178  
 Site 961, A:235; B:515  
*primus*, *Sphenolithus*, Site 961, A:236  
*prisca*, *Globulina*, Site 962, B:355–356, 361  
*prismatica*, *Didymocyrtis*, Site 962, A:273  
*problematicus*, *Bulbobaculites*, Site 959, B:406  
*profunda*, *Florisphaera*  
 Côte d’Ivoire–Ghana continental margin,  
 A:313; B:517  
 Site 959, B:513, 519, 534, 537, 575–580, 582  
 Site 960, A:177–179; B:514–515, 519  
 Site 961, A:234–235; B:515  
 Site 962, A:271–272; B:516  
*prolixa*, *Protentella*  
 Site 959, B:479  
 Site 960, B:473  
*prolixa longa*, *Praebulimina*, Site 959, B:378–379, 383, 387  
*protensus*, *Elaterosporites*  
 Site 961, B:258  
 Site 962, B:258, 276  
*Protentella prolixa*  
 Site 959, B:479  
 Site 960, B:473  
*Proxapertites operculatus*, Site 959, A:93  
*Proxapertites* sp., Site 959, B:317  
*pseudanthophorus*, *Zeugrhabdotus*, Site 962, A:272  
*Pseudobolivina* spp., Site 959, B:392  
*Pseudobosquetina mucronalatum*  
 Site 959, B:525, 531  
 Site 960, B:525  
*pseudocaris*, *Archaeodictyomitra*, Site 962, A:273  
*Pseudodictyomitra lodogaensis*, Site 962, B:364, 370, 373  
*Pseudodictyomitra pseudomacrocephala* Zone,  
 Site 962, B:364  
*Pseudoemiliania lacunosa*  
 Site 959, A:87; B:510, 512–513, 518–519, 534, 537  
 Site 960, A:177–179; B:514–515, 518–519  
 Site 961, A:234–235; B:515  
 Site 962, A:271–272; B:516  
*pseudomiocenica*, *Globorotalia*  
 Site 960, A:180  
 Site 961, A:236; B:462  
 Site 962, A:273  
 Sites 959–960, B:471  
*Pseudonodosaria* sp. 1, Site 962, B:354, 361  
*pseudopauciloculata*, *Ammosphaeroidina*, Site 959, B:407  
*pseudoradians*, *Sphenolithus*, Site 959, A:89; B:417  
*pseudoubilicis*, *Reticulofenestra*  
 Site 959, A:88; B:510, 512–513, 517–518  
 Site 960, A:178–179; B:514–515, 518  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*pseudovariabilis*, *Discoaster*  
 Site 960, B:513  
 Site 961, A:236  
*psilatam*, *Geiselodinium*, Site 959, B:279, 301  
*Psilocitharella recta*, Site 959, B:384  
*Pterocanium trilobium*, Site 962, A:273  
*pteromphalia*, *Osangularia*, Site 960, B:434, 444  
*Pterospermopsis australiensis*, Site 959, B:315  
*pulchella*, *Dictyochoa*, Site 959, B:493  
*pulcher*, *Transversopontis*, Site 960, B:421  
*pulcheroides*, *Transversopontis*, Site 960, B:421  
*pulcherrimum*, *Oligosphaeridium*, Site 959, B:273  
*pulchra*, *Syracosphaera*  
 Site 960, A:178  
 Site 961, A:234–235  
*pulchrum*, *Hystrichodinium*, Site 959, B:279, 305  
*Pullenia bulloides*, Site 961, A:237  
*Pullenia eocenica*, Site 960, B:443  
*Pullenia quinqueloba*, Site 961, A:237  
*Pulleniatina obliquiloculata*  
 Site 959, A:90–91; B:449, 477  
 Site 960, A:180; B:457  
 Site 961, A:236; B:462  
 Site 962, A:272; B:462  
 Sites 959–962, B:473  
*Pulleniatina praecursor*, Sites 959–962, B:473  
*Pulleniatina primalis*  
 Site 959, A:91; B:449, 456, 477  
 Site 960, A:180  
 Site 962, A:273  
 Sites 959–962, B:473  
*puncticulata*, *Globorotalia*  
 Site 959, B:449, 478  
 Site 960, A:180  
 Sites 959–960, B:471  
 Sites 959–962, B:448  
*punctulata*, *Daktylethra*, Site 959, B:416  
*pygmaea*, *Bolivina*, Site 959, B:379  
*pygmaea*, *Siphogenerinoides*, Site 959, B:384, 386  
*pyramidalis*, *Quadratubuliminella*  
 Côte d’Ivoire–Ghana continental margin,  
 A:307  
 Site 961, A:238  
*pyramidata*, *Gaudryina*, Site 959, B:383  
*Pyramidina africana* n. sp., Site 960, B:433, 438–439, 443  
*Pyramidulina sceptrum*, Site 962, B:354–355, 361  
*Pyramidulina* spp., Site 959, B:378  
*Pyramidulina tetragona*, Site 959, B:384–385  
*Pyrgo murrhina*  
 Site 959, B:606, 608, 610

- Site 961, A:237  
*Pyrgo serrata*, Site 959, B:608, 610  
*Pyrgo* spp., Site 961, A:237  
*Pyrimida* spp., Côte d'Ivoire-Ghana continental margin, A:307  
*Pyrulina cylindroides*  
 Site 959, B:384–385  
 Site 962, B:356
- quadra*, *Savaryella*, Site 962, B:370, 373  
*quadramus*, *Discoaster*, Site 961, A:235  
*quadrata*, *Nannotetrina*, Site 960, A:178–179  
*quadrata*, *Naviculopsis*, Site 959, B:494  
*Quadratobuliminella pyramidalis*  
 Côte d'Ivoire-Ghana continental margin,  
 A:307  
 Site 961, A:238  
*Quadrum eneabrachium*, Site 959, B:323  
*Quadrum gartnerii*  
 Site 959, A:90; B:323  
 Site 960, A:180; B:323  
*Quadrum intermedium*, Site 959, B:323  
*quinqueloba*, *Pullenia*, Site 961, A:237  
*Quinqueloculina* spp., Site 962, B:348, 354, 360  
*quinqueramus*, *Discoaster*  
 Site 959, A:88; B:512, 517, 534  
 Site 960, A:178–179; B:513–514  
 Site 961, A:235; B:515
- radians*, *Sphenolithus*, Site 960, A:178–179;  
 B:417, 431  
*radiatus*, *Parvisaccites* cf. *Parvisaccites*  
 Site 959, B:317  
 Site 960, B:285, 484  
*radiatus*, *Sphenolithus*, Site 960, A:178  
 Radiolarian gen. et. sp. indet. 1, Site 962, B:371,  
 373  
*raijae*, *Manumiella*, Site 959, B:279, 305  
*ramoides*, *Hystriochodinium* cf., Site 959, B:273  
*ramosus ramosus*, *Spiniferites*, Site 959, B:313  
*Ramulina aculeata*, Site 959, B:384, 386  
*Ramulina globotubulosa*, Site 959, B:384, 386  
*rara*, *Dicroa*, Site 962, B:369, 372  
*recta*, *Helicosphaera*  
 Site 959, B:415, 417  
 Site 960, A:179  
*recta*, *Psilocitharella*, Site 959, B:384  
*Rectuvigerina mexicana*, Site 960, B:433, 442  
*Rectuvigerina striata*, Site 961, A:237  
*Recurvodes* sp., Site 959, B:378, 396, 408  
*regulare*, *Tanyosphaeridium*, Site 959, B:303  
*Reinhardtites anthophorus*  
 Site 959, A:90; B:323  
 Site 960, B:324  
*Remesella varians?*, Site 959, B:409  
*Reophax duplex*, Site 959, B:405  
*Reophax nodulosus*, Site 959, B:410  
*Reophax* sp., Site 959, B:405  
*Reophax* spp., Site 959, B:395  
*resex*, *Florentinia*, Site 959, B:273  
*reticulatus*, *Cyclicargolithus*, Site 959, B:416  
*Reticulofenestra asanoi*, Site 962, A:272  
*Reticulofenestra dictyoda*  
 Site 959, A:89  
 Site 960, A:178; B:417  
*Reticulofenestra gartneri*, Site 960, A:178–179  
*Reticulofenestra lockeri*  
 Site 959, A:89; B:512  
 Site 960, A:178; B:513–514  
*Reticulofenestra minuta*  
 Site 959, B:534, 537  
 Site 961, A:236; B:518  
*Reticulofenestra minutula*  
 Site 959, B:534, 537
- Site 960, A:179  
 Site 961, A:235  
 Site 962, A:272; B:516  
*Reticulofenestra pseudoubilicus*  
 Site 959, A:88; B:510, 512–513, 517–518  
 Site 960, A:178–179; B:514–515, 518  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*Reticulofenestra samodurovii*, Site 960, A:179  
*Reticulofenestra umbilicus*, Site 959, A:89; B:416  
*reticulominutus*, *Tricolpites*, Site 959, B:278–279,  
 282, 317  
*Reticulophragmium* sp., Site 959, B:406  
*Reticulophragmoides jarvisi*, Site 959, B:390, 397,  
 411  
*Retimonocolpites* sp., Site 959, A:93  
*Retitricolporites* sp., Site 959, A:93  
*Retitriporites trianguliformis*, Site 959, A:89  
*Reyrea* cf. *Reyrea polymorphus*, Site 961, B:258,  
 276  
*Reyrea polymorphus*, Site 961, B:276  
*Reyrea polymorphus* Zone, Site 961, B:258  
*Rhabdammina cylindrica*, Site 959, B:392, 404  
*Rhabdosphaera claviger*  
 Site 960, A:179  
 Site 961, A:235  
*Rhagodiscus angustus*, Site 959, A:90; B:323  
*Rhagodiscus asper*, Site 962, A:272  
*Rhizammina* spp., Site 962, B:353  
*rhomba*, *Helicosphaera*, Site 961, A:236  
*Rhombaster bitrifida*, Site 959, A:89; B:415  
*rhomboides*, *Andalusella*, Site 959, B:272  
*Rhopalosyringium euganeum*, Site 962, B:364  
*Rhopalosyringium hispidum*, Site 962, B:364, 370,  
 372  
*Rhopalosyringium mosquense*, Site 962, B:370,  
 373  
*Rhopalosyringium* sp. cf. *Rhopalosyringium*  
*euganeum*, Site 962, B:370, 372  
*Riculacysta amplexus*, Site 959, B:484  
*riedelii*, *Heliolithus*  
 Site 959, A:90  
 Site 961, A:236  
*rippensis*, *Uvigerina*, Site 960, B:442  
*rischi*, *Hedbergella*, Site 962, B:349  
*roberti*, *Ticinella* cf., Site 962, B:336, 338, 343  
*robertsi*, *Turrilina*, Site 960, B:443  
*robusta*, *Calocyclus*, Site 962, A:273  
*robusta*, *Ericsonia*, Site 961, A:236  
*robusta*, *Praebulimina*, Site 959, B:378–379, 383,  
 387  
*robustus*, *Discoaster*, Site 961, A:236  
*Rocella vigilans*, Site 959, A:92  
*rohri*, *Stilostomella*, Site 960, B:443  
*rohri*, *Truncorotaliodes*, Site 960, A:182  
*rosenfeldi*, *Buntonia* cf.  
 Site 959, B:525, 531  
 Site 960, B:525  
*Rosita fornicata*, Site 960, A:182  
*Rosita?* sp., Site 960, A:182  
*rostrata*, *Bulimina*, Site 959, B:606–607, 610  
 “*Rotalipora*” *appeninnica* Zone, Site 962, A:273  
*Rotalipora appenninnica* Zone, Site 962, B:337  
*Rotalipora ticinensis*, Site 962, B:364  
*rotula*, *Geminolithella*, Sites 959–962, B:516  
*rotulata*, *Lenticulina*, Site 959, B:383, 385  
*ruber*, *Globigerinoides*  
 Site 959, A:90; B:476  
 Site 960, A:180  
 Site 961, A:236  
 Sites 959–962, B:468  
*Rugoglobigerina?* gr. *rugosa*, Site 960, A:182  
*rugosa*, *Neoflabellina*, Site 959, B:390  
*rugosa*, *Rugoglobigerina?* gr., Site 960, A:182
- rugosus*, *Ceratolithus*  
 Site 959, A:88  
 Site 960, A:179; B:514–515  
 Site 961, A:235  
 Site 962, A:272; B:516  
*rugosus*, *Triquetrorhabdulus*  
 Site 959, B:512, 518  
 Site 960, A:179; B:514  
 Site 961, A:235; B:515  
*Rugulatisporites caperatus*, Site 959, B:279, 317  
*rugulatum*, *Tectatodinium*, Site 959, B:274  
*ruthvenmurrayi*, *Trochammina*, Site 959, B:391,  
 397, 409  
*Rzehakina epigona*, Site 959, B:390, 392, 395,  
 404, 411, 484  
*Rzehakina epigona lata*, Site 959, B:411  
*Rzehakina epigona/Spiroplectammina spectabilis*  
 Zone, Site 959, B:396  
*Rzehakina fissistomata*, Site 959, B:391, 411  
*Rzehakina inclusa*, Site 959, B:404  
*Rzehakina minima*, Site 959, B:411
- Saccammina grzybowskii*, Site 959, B:410  
*sacculifer*, *Globigerinoides*  
 Site 959, A:90–91; B:449, 540–544, 547–554  
 Site 960, A:180–181  
 Site 961, A:236–237  
 Site 962, A:273  
 Sites 959–962, B:468  
*sacculifer*, *Globorotalia*, Site 959, A:90–91  
*sacculifer* cf. *fistulosus*, *Globigerinoides*, Site 959,  
 B:476  
*sacculifer fistulosus*, *Globigerinoides*  
 Site 959, B:449, 468, 476  
 Site 960, B:457  
 Sites 959–962, B:449  
*sacculifer* (var. *trilobus*), *Globigerinoides*, Sites  
 959–962, B:446  
*saipanensis*, *Discoaster*  
 Site 959, A:89  
 Site 960, A:178  
*salebrosum*, *Biscutum*, Site 962, B:324, 327  
*salpinx*, *Tanyosphaeridium*, Site 959, B:299  
*samodurovii*, *Reticulofenestra*, Site 960, A:179  
*sanmiguelensis*, *Discoaster*  
 Site 959, A:88; B:512  
 Site 960, A:178–179; B:513–514  
 Site 961, B:515  
*Saracenaria* sp., Site 962, B:355  
*Saracenaria* spp., Site 959, B:378  
*Saracenaria triangularis*, Site 959, B:384  
*saundersii*, *Discoaster*, Site 960, B:513–514  
*Savaryella quadra*, Site 962, B:370, 373  
*scalaris*, *Subreophax*, Site 959, B:405, 410  
*Scapholithus fossilis*, Site 959, B:534  
*sceptrum*, *Pyramidulina*, Site 962, B:354–355,  
 361  
*Schackoina* sp.  
 Site 959, B:348  
 Site 962, B:348  
*Schackoina* sp. cf. *Schackoina cenomana*, Site  
 962, A:273; B:339, 343  
*schulzii*, *Cannopilus*, Site 959, B:496  
*schulzii* forma *longispinus*, *Cannopilus*, Site 959,  
 B:497  
*scissura*, *Helicosphaera*, Site 959, B:512  
*scitula*, *Globorotalia*  
 Site 959, A:90; B:449, 477  
 Site 960, A:180  
 Site 961, A:236  
 Sites 959–962, B:471  
*scrippsae*, *Diacyococites*, Site 959, A:89; B:417  
*sculptus*, *Alievum*, Site 962, B:364, 368, 373  
*seelandica*, *Manumiella*, Site 959, B:279, 282,

- 291, 309  
*seigliei*, *Globigerinoides*  
 Site 959, B:476  
 Site 961, A:237  
 Sites 959–960, B:468  
*sellii*, *Helicosphaera*  
 Site 959, A:87; B:512, 519  
 Site 960, A:177, 179; B:514–515  
 Site 961, A:234; B:515  
 Site 962, A:272; B:516  
*semicostata*, *Bulimina*, Site 960, B:442  
*semicibratus*, *Anomalinoidea*,  
 Site 960, B:443  
 Site 961, A:237  
*seminulina*, *Sphaeroidinellopsis*  
 Site 959, A:90; B:449  
 Site 960, A:180  
 Site 961, A:236–237  
 Sites 959–962, B:448, 474  
*seminulum*, *Helicosphaera*, Site 960, A:179;  
 B:430  
*Senegalinium laevigatum*, Site 959, B:257, 274,  
 305  
*senonensis*, *Areoligera*, Site 959, B:279, 303  
*senonica*, *Canningia*, Site 959, B:279, 299  
*separatus*, *Ceratolithus*, Site 961, A:235  
*septatus*, *Spiniferites*, Site 959, B:285, 313, 484  
*septemradiatus*, *Discoaster*, Site 961, A:236  
*septenarius*, *Lithastrinus*  
 Atlantic Ocean E, B:320  
 Site 959, A:90; B:323  
 Site 960, A:178, 180; B:324  
*serpens*, *Glomospira*, Site 959, B:404, 410  
*serrata*, *Calocyclus*, Site 961, A:238  
*serrata*, *Pyrgo*, Site 959, B:608, 610  
*serrata*, *Cytherella*  
 Site 959, B:525, 529  
 Site 960, B:525  
*serratus*, *Orthorhabdus*  
 Site 959, B:512–513, 516–517  
 Site 960, A:179; B:510, 514  
 Site 961, A:236; B:510, 515  
*serratus*, *Triquetrorhabdulus*, Site 959, A:89  
*Sethochytris babylonis*  
 Site 960, A:182  
 Site 961, A:238  
*siakensis*, *Globorotalia*, Site 959, A:91  
*sibogae*, *Umbilicosphaera*  
 Site 959, B:513  
 Site 960, A:178; B:514–515  
 Site 961, A:235  
 Site 962, B:516  
*sicana*, *Globorotalia*, Site 959, A:91–92  
*sicana*, *Praeorbulina*  
 Site 959, B:457, 473  
 Site 960, B:457, 476  
 Site 961, A:237  
 Sites 959–962, B:446  
*sicanus*, *Globigerinoides*, Site 960, A:181  
*sigmoides*, *Placozygus*, Site 961, A:236  
*Sigmolimita tenuis*, Site 959, B:606, 608  
*signata*, *Broinsonia*, Site 962, A:272  
*signum*, *Corollithion*, Site 962, A:272; B:324  
*signus*, *Discoaster*, Site 960, A:178  
*silviae*, *Dactyliosphaera*, Site 962, B:369, 372  
*simplex*, *Archaeodictyomitra*, Site 962, A:273;  
 B:368, 372  
*simplex*, *Hedbergella* cf., Site 962, B:337–338,  
 342  
*sinuosa?*, *Marginotruncana*, Site 960, A:182  
*Siphogenerinoides pygmaea*, Site 959, B:384, 386  
*siphonella*, *Karrerella*, Site 960, B:437, 441  
*siphonifera*, *Globigerinella*  
 Site 959, B:467, 479  
 Site 960, B:467  
*soldanii*, *Gyroidinoides*, Site 959, B:606, 608, 610  
*solitus*, *Chiasmolithus*  
 Site 959, A:89; B:416  
 Site 960, A:178–179, 184; B:417, 430, 514  
 Site 961, A:236  
 Site 962, A:272  
*soluta*, *Laevidentalina*, Site 962, B:383  
*speciosum*, *Cerodinium*, Site 959, B:279  
*spectabilis*, *Spiroplectammina*  
 Site 959, B:390, 395, 397, 409, 484  
 Site 961, A:237  
*speculum binoculus*, *Distephanus*, Site 959,  
 B:501, 507  
*speculum haliomma*, *Distephanus*, Site 959, A:92;  
 B:494  
*speculum hemisphaericus*, *Distephanus*  
 Site 959, A:92; B:493–494, 501, 507  
 Site 962, A:273  
*speculum patulus*, *Distephanus*, Site 959, B:493,  
 501, 507  
*speculum pentagonus*, *Distephanus*, Site 959,  
 B:493, 501, 507  
*speculum speculum*, *Distephanus*, Site 959, A:92;  
 B:494, 501, 506–507  
*speculum triommata*, *Distephanus*  
 Site 959, A:92  
 Site 962, A:273  
*sphaerica*, *Cavaspongia*, Site 962, B:364, 369,  
 373  
*Sphaeroidina bulloides*, Site 961, A:237  
*Sphaeroidinella dehiscentis*  
 Site 959, A:91; B:449, 456, 479  
 Site 960, A:180  
 Site 961, A:236–237  
 Site 962, A:273; B:462  
 Sites 959–962, B:473  
*Sphaeroidinellopsis disjuncta*, Site 959, B:473,  
 479  
*Sphaeroidinellopsis kochi*  
 Site 959, A:90–91; B:449  
 Site 960, B:457  
 Site 961, A:237  
 Sites 959–962, B:473  
*Sphaeroidinellopsis paenedehiscens*  
 Site 959, A:90; B:449, 479  
 Site 962, A:273  
 Sites 959–962, B:473  
*Sphaeroidinellopsis seminulina*  
 Site 959, A:90; B:449  
 Site 960, A:180  
 Site 961, A:236–237  
 Sites 959–962, B:448, 474  
*Sphaeroidinellopsis* spp.  
 Site 959, A:90–91; B:449  
 Site 960, A:180–181  
 Site 961, A:237; B:462  
 Site 962, B:462  
*Sphenolithus abies*  
 Site 959, A:88; B:512–513, 518, 576  
 Site 960, A:178–179; B:514–515, 518  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*Sphenolithus anarrhopus*, Site 959, A:89  
*Sphenolithus belemnos*  
 Site 959, A:89; B:512, 516, 534  
 Site 960, A:178–179; B:513–514  
*Sphenolithus capricornus*, Site 959, B:415  
*Sphenolithus ciproensis*  
 Site 959, A:89; B:414–415  
 Site 960, A:179; B:513–514  
*Sphenolithus compactus*, Site 961, A:236; B:515  
*Sphenolithus conicus*, Site 960, A:178  
*Sphenolithus conspicuus*, Site 959, A:89  
*Sphenolithus delphix*  
 Site 959, B:415  
 Site 960, A:179  
*Sphenolithus dissimilis*  
 Site 959, A:89  
 Site 960, A:179  
 Site 961, B:515  
*Sphenolithus distentus*  
 Site 959, A:89; B:414, 417  
 Site 960, A:179; B:421  
*Sphenolithus editus*, Site 959, A:89  
*Sphenolithus elongatus*, Site 960, B:417  
*Sphenolithus furcatolithoides*  
 Site 959, A:89  
 Site 960, A:179; B:417  
*Sphenolithus heteromorphus*  
 Site 667, B:519  
 Site 959, A:88–89; B:512–513, 516–517  
 Site 960, A:178–179; B:513–514, 517  
 Site 961, A:236; B:515  
*Sphenolithus moriformis*  
 Site 960, A:178  
 Site 961, A:236  
*Sphenolithus neoabies*  
 Site 959, A:87–88; B:512–513, 518, 576  
 Site 960, A:178–179; B:514–515, 518  
 Site 961, A:235–236; B:515  
 Site 962, A:272; B:516  
*Sphenolithus obtusus*, Site 959, A:89  
*Sphenolithus orphanknollensis*, Site 960, B:417  
*Sphenolithus predistentus*  
 Site 959, A:89; B:417  
 Site 960, A:179; B:421  
*Sphenolithus primus*, Site 961, A:236  
*Sphenolithus pseudoradians*, Site 959, A:89;  
 B:417  
*Sphenolithus radians*, Site 960, A:178–179;  
 B:417, 430  
*Sphenolithus radiatus*, Site 960, A:178  
*Sphenolithus spiniger*, Site 959, A:89  
*Sphenolithus* spp., Site 961, A:236; B:518  
*spicularius*, *Xitus*, Site 962, B:371–372  
*spicularius*, ?*Xitus* sp. cf. *Xitus*, Site 962, B:371,  
 373  
*Spinidinium?* cf. *Spinidinium densispinatum*, Site  
 959, B:301  
*Spiniferites bejui* n. sp., Site 959, B:266, 274  
*Spiniferites* cf. *Spiniferites lenzii*, Site 959, B:279,  
 315  
*Spiniferites cornutus cornutus*, Site 959, B:274  
*Spiniferites cornutus laevimurus*, Site 959, B:309  
*Spiniferites fluens*, Site 959, B:274, 279, 315  
*Spiniferites hyalospinosus*, Site 959, B:274  
*Spiniferites ramosus ramosus*, Site 959, B:313  
*Spiniferites septatus*, Site 959, B:285, 313, 484  
*Spiniferites* sp. G  
 Site 959, B:266, 274  
 Site 962, B:258  
*Spiniferites* spp., Site 959, B:291  
*Spiniferites supparus*, Site 959, B:279, 303  
*Spiniferites twistringiensis*, Site 959, B:279, 315  
*Spiniferites wetzelii*, Site 959, B:315  
*spiniger*, *Sphenolithus*, Site 959, A:89  
*Spinizonocolpites echinatus*, Site 959, A:93  
*spinosa*, *Agrenocythere*, Site 959, B:530  
*spinosa*, *Dictyocha*, Site 959, B:499–500, 505  
*spinosa*, *Gabonita*, Site 959, B:376  
*spinosa*, *Uvigerina*, Site 960, B:442  
*spinosa*, *Vulvulina*, Site 961, A:237  
*spinosus*, *Blackites*, Site 960, A:179  
*spinosus*, *Xitus*, Site 962, B:371 373  
*spinuloinflata*, *Acarinina*, Site 960, A:182  
*Spirillina minima*, Site 962, B:354, 360  
 “*Spiroplectammina* event,” Site 959, B:397

- Spiroplectammina* ex gr. *dentata*, Site 959, B:409  
*Spiroplectammina excolata*, Site 959, B:391  
*Spiroplectammina navarroana*, Site 959, B:409  
*Spiroplectammina spectabilis*  
 Site 959, B:390, 395, 397, 409, 484  
 Site 961, A:237  
*Spiroplectammina* spp., Site 959, B:395–397  
 ?*Spiroplectinella* sp. 1  
 Site 959, B:348  
 Site 962, B:349, 352–354, 360  
 ?*Spiroplectinella* spp., Site 962, B:348–349  
*splendidus*, *Discoaster*, Site 961, A:236  
*splendidus*, *Subreophax*, Site 959, B:410  
*Spongaster tetras*, Site 962, A:273  
*Spongatractus balbis*, Site 961, A:238  
*stauraxonium*, *Axoprimum*, Site 962, A:273  
*staurion*, *Coccolithus*, Site 960, A:179  
*stauropora*, *Liriospyris*, Site 962, A:273  
*Stensioina beccariiformis*, Site 961, A:238  
*Stichomitra communis*, Site 962, B:364, 370, 372  
*Stichomitra communis?*, Site 962, A:273  
*Stichomitra stocki*, Site 962, B:370–372  
*Stilostomella adolphina*, Site 959, B:606, 608, 610  
*Stilostomella alexanderi*, Site 959, B:384  
*Stilostomella atlantisae*, Site 960, B:443  
*Stilostomella chilleana*, Site 960, B:442  
*Stilostomella dentata–glabrata*, Site 960, B:443  
*Stilostomella* gr. *jarvisi*, Site 960, B:442  
*Stilostomella rohri*, Site 960, B:443  
*Stilostomella* sp., Site 962, B:356  
*Stilostomella* spp.  
 Site 959, B:378  
 Site 960, B:433  
 Site 961, A:237  
 Site 962, B:349  
*stocki*, *Stichomitra*, Site 962, B:370–372  
*Stoverius achylosus*, Site 962, A:272  
*stradneri*, *Distephanus*, Site 959, B:501–502, 506  
*stradneri* var. *grandis*, *Distephanus*, Site 959, B:494, 502, 506  
*Stradneria crenulata*, Site 962, A:272  
*striata*, *Rectuvigerina*, Site 961, A:237  
*striatocostata*, *Marginulopsis*, Site 962, B:355, 361  
*striatus*, *Cerodinium*, Site 959, B:309  
*Strichtopilium bicorne*, Site 962, A:273  
*strictus*, *Discoaster*  
 Site 959, A:89  
 Site 960, A:179  
*Stylocdictya* spp., Site 962, A:273  
*Stylocdictya validuspina*, Site 962, A:273  
*subangulatus*, *Gyroidinoides*, Site 959, B:378, 383, 386  
*Subbotina inequispira*, Site 960, A:182  
*subcretacea*, *Patiellina*, Site 962, B:354, 360  
*subglobosa*, *Globocassidulina*  
 Site 959, B:606, 608–609  
 Site 960, B:433, 444  
*sublodoensis*, *Discoaster*  
 Site 959, B:416  
 Site 960, A:178–179  
 Site 961, A:236  
*sublodoensis*, *Discoaster* sp. aff. *Discoaster*, Site 960, B:431  
*subquadratus*, *Globigerinoides*  
 Site 961, A:237  
 Sites 959–960, B:468  
*subregularis*, *Neobulimina*, Site 959, B:378–379, 383, 387  
*Subreophax* ex gr. *guttifer*, Site 959, B:405  
*Subreophax scalaris*, Site 959, B:405, 410  
*Subreophax* sp., Site 959, B:405  
*Subreophax splendidus*, Site 959, B:410  
*Subreophax* spp., Site 959, B:395
- Subtilisphaera zawia*, Site 959, B:279, 299  
*sulcata*, *Oolina*, Site 962, B:356, 361  
*sulcata*, *Oolina* cf. *Oolina*, Site 962, B:356  
*supparus*, *Spiniferites*, Site 959, B:279, 303  
*surculus*, *Discoaster*  
 Site 959, A:87; B:512, 518, 534  
 Site 960, A:177–179; B:513–515  
 Site 961, A:235  
 Site 962, A:272; B:516  
*suteri*, ?*Globorotaloides*, Site 960, B:479  
*suteri*, *Globorotaloides*, Sites 959–960, B:471  
*suturalis*, *Orbulina*  
 Site 959, A:91; B:456–457, 476  
 Site 960, B:457  
 Sites 959–962, B:446, 473  
*Svalbardella* group, Site 959, B:257  
*Syracosphaera pulchra*  
 Site 960, A:178  
 Site 961, A:234–235  
*Systematophora placacantha*, Site 959, B:279, 303
- tamalis*, *Discoaster*  
 Site 959, A:87–88; B:512, 518  
 Site 960, A:177, 179; B:514–515, 518  
 Site 961, A:235; B:515  
 Site 962, A:272  
*tanii*, *Discoaster*, Site 959, A:89  
*Tanyosphaeridium regulare*, Site 959, B:303  
*Tanyosphaeridium salpinx*, Site 959, B:299  
*Tanyosphaeridium xanthopyxides*, Site 959, B:274  
*Taxodiaceae pollenites* sp., Site 959, A:93  
*taylorana*, *Lingulina*, Site 959, B:383  
*Tectatodinium rugulatum*, Site 959, B:274  
*tenera*, *Eponides*, Site 959, B:606–607, 610  
*tenuis*, *Cruciplacolithus*  
 Site 959, B:512  
 Site 961, A:236  
*tenuis*, *Sigmoilinita*, Site 959, B:606, 608  
*tenuiscostatum*, *Chrysalogonium* cf., Site 960, B:441  
*Tenuitella* sp.  
 Site 959, B:477  
 Sites 959–960, B:474  
*tetragona*, *Pyramidulina*, Site 959, B:384–385  
*tetrapera*, *Cyrtocapsella*, Site 962, A:273  
*Tetrapyle octacantha*, Site 962, A:273  
*tetras*, *Spongaster*, Site 962, A:273  
*tetrathalamus*, *Ommatartus*, Site 962, A:273  
*Thalassiphora pelagica*, Site 959, B:279, 282  
*Theocampe apicata*, Site 962, B:366, 371–372  
*Theocyrtis annosa*, Site 961, A:238  
*theta*, *Glaukolithus*, Site 962, B:324  
*theyeri*, *Globorotalia*, Sites 959–962, B:471  
*Tholospyris anthophora*, Site 962, A:273  
*Tholospyris mammallaris*, Site 961, A:238  
*Thompsonipollis* sp.?, Site 959, A:93  
*Thyrosocyrtis hirsuta*, Site 961, A:238  
*Ticinella* cf. *roberti*, Site 962, B:336, 338, 343  
*Ticinella madecassiana*, Site 962, B:336, 338, 342  
*Ticinella primula*, Site 962, B:349  
*Ticinella(?) madecassiana*, Site 962, B:337  
*Ticinella(?)* spp., Site 962, A:273  
*ticinensis*, *Rotalipora*, Site 962, B:364  
*Torculum coronatum*, Site 962, B:371–372  
*torosus*, *Corollina*, Site 962, B:287 317  
*toesaensis*, *Globorotalia*  
 Site 959, A:90; B:449  
 Site 960, A:180; B:457  
 Site 962, A:273  
 Sites 959–962, B:449  
*Toweius eminens*, Site 961, A:236  
*Toweius pertusus*, Site 961, A:236
- trachoides*, *Podocyrtis*, Site 960, A:182  
*Tranolithus exiguus*  
 Site 959, B:323  
 Site 962, A:272; B:324  
*Tranolithus gabalus*, Site 960, A:180  
*Tranolithus manifestus*, Site 962, A:272  
 ?*Tranolithus orionatus*, Site 960, A:180  
*Tranolithus phacelosus*, Site 959, A:90  
*transmonatum*, *Tubulistrum* sp. aff. *Tubulistrum*,  
 Site 962, B:371–372  
*Transversopontis pulcher*, Site 960, B:421  
*Transversopontis pulcheroides*, Site 960, B:421  
*Transversopontis* spp., Site 960, B:421  
*triacantha*, *Corbisema*, Site 959, B:493  
*triacantha mediana*, *Corbisema*, Site 959, A:92; B:497, 505  
*triacantha triacantha*, *Corbisema*  
 Site 959, A:92; B:493–494, 497, 505  
 Site 962, A:273  
*triacantha* var. 1, *Corbisema*, Site 959, B:497, 505  
*Triactoma* sp., Site 962, B:371, 373  
*triangula*, *Globorotalia*, Site 959, A:90; B:449, 471  
*triangularis*, *Saracenaria*, Site 959, B:384  
*trianguliformis*, *Retitripurites*, Site 959, A:89  
*trianguliformis?*, *Echtripurites*, Site 959, A:93  
*Tribrachiatus bramlettei*, Site 959, B:416  
*Tribrachiatus contortus*  
 Site 959, A:89; B:416  
 Site 960, B:419  
*Tribrachiatus orthostylus*  
 Site 959, A:89; B:416  
 Site 960, A:178–180; B:417, 419, 431  
 Site 961, A:236; B:421  
*Trichodinium castanea*  
 Site 959, B:279, 301  
 Site 962, B:285, 287  
*Trichodinium castanea bifidum*, Site 959, B:257, 274, 484  
*Trichodinium* cf. *Trichodinium hirsutum*, Site 959, B:305  
*Tricolpites reticulominutus*, Site 959, B:278–279, 282, 317  
*Tricolpites* sp. 1, Site 959, B:278–279, 317  
*Tricolpites* sp. 2, Site 959, B:279, 317  
*Tricolpites* sp. 3, Site 959, B:279  
*Tricolporopollenites* spp., Site 959, A:93  
*tricorniculatus*, *Amaurolithus*, Site 959, A:88; B:512, 537  
*tricornus*, *Tristylospyris*, Site 960, A:182  
*trilobium*, *Pterocanium*, Site 962, A:273  
*trilobus*, *Globigerinoides*  
 Site 959, A:91–92; B:457  
 Site 960, A:181  
 Site 961, A:237  
*trinidadensis*, *Bulimina*, Site 960, B:442  
*trinidadensis*, *Kriithe* cf.  
 Site 960, B:529  
 Site 961, B:529  
*triodon*, *Bachmannocena*, Site 959, B:496, 505  
*trionmata*, *Distephanus*, Site 959, A:92  
*Triorites africaensis*, Site 962, B:258, 276, 287, 317, 486  
*Triorites* cf. *Triorites africaensis*, Site 962, B:317  
*Triorites* sp., Site 962, B:276  
*Tripuripollenites* sp., Site 959, A:93  
*Triquetrorhabdulus auritus*, Site 960, A:178  
*Triquetrorhabdulus carinatus*  
 Site 959, A:89; B:510, 512  
 Site 960, A:178–179; B:418, 513–514  
*Triquetrorhabdulus farnsworthii*, Site 960, B:514  
*Triquetrorhabdulus milowii*  
 Site 959, B:512  
 Site 960, A:178; B:513



- Triquetrorhabdulus rugosus*  
 Site 959, B:512, 518  
 Site 960, A:179; B:514  
 Site 961, A:235; B:515
- Triquetrorhabdulus serratus*, Site 959, A:89
- tristellifer*, *Discoaster*, Site 962, A:272
- Tristix acutangula*, Site 962, B:355, 361
- Tristylopyris tricornus*, Site 960, A:182
- Tritaxia havanensis*, Site 960, B:441
- Trithyrodinium druggii*, Site 959, B:274
- Trochammina gyroidinaeformis*, Site 959, B:407
- Trochammina ruthvenmurrayi*, Site 959, B:391, 397, 409
- Trochamminoides grzybowskii*, Site 959, B:411
- Trochamminoides* sp., Site 959, B:405
- Trochoaster* spp., Sites 960–961, B:421
- Trocholina infragranulata*, Site 962, B:354, 360
- Trocholina* spp., Site 962, B:348
- truempii*, *Helicosphaera*, Site 960, A:178–179; B:514
- truempii*, *Nuttallides*  
 Site 959, B:391  
 Site 960, B:444  
 Site 961, A:237
- truncatulinoides*, *Globorotalia*  
 Site 959, A:90; B:449, 471  
 Site 960, B:457
- truncatum*, *Dictyocornyne*, Site 962, A:273
- truncatum*, *Pervosphaeridium*, Site 962, B:258
- Truncorotaliodes rohri*, Site 960, A:182
- tubiferum*, *Hystrichosphaeridium*, Site 959, B:303
- tubiferum*, *Hystrichosphaeridium* cf. *Hystrichosphaeridium*, Site 959, B:309
- Tubilustrium* sp. aff. *Tubilustrium transmonatum*, Site 962, B:371–372
- tumida*, *Globorotalia*  
 Site 959, A:90–91; B:449, 456  
 Site 960, A:180; B:457, 477–478  
 Site 961, A:236–237; B:462  
 Site 962, A:272–273; B:462  
 Sites 959–962, B:448, 471
- Turborotalia griffinae*, Site 960, A:182
- Turrilina robertsi*, Site 960, B:443
- turrisieffeli*, *Eiffellithus*  
 Site 959, B:323  
 Site 960, A:180  
 Site 962, A:272; B:324
- twistingiensis*, *Spiniferites*, Site 959, B:279, 315
- typaniformis*, *Fasciculithus*  
 Site 959, A:89  
 Site 961, A:236
- Umbellosphaera irregularis*, Site 959, B:576
- umbilicata*, *Acaeniotyle*, Site 962, B:368, 373
- Umbilicosphaera irregularis*, Site 960, B:515
- Umbilicosphaera sibogae*  
 Site 959, B:513  
 Site 960, A:178; B:514–515  
 Site 961, A:235  
 Site 962, B:516
- umbilicus*, *Reticulofenestra*, Site 959, A:89; B:416
- umbonatus*, *Oridorsalis*, Site 960, B:433
- undulosum*, *Dinogymnium*  
 Site 959, B:279, 299  
 Site 960, B:285
- unicavus*, *Catapsydrax*  
 Site 960, B:457, 466  
 Sites 959–962, B:446
- Unipontidinium grande*, Site 959, B:257, 274
- universa*, *Orbulina*  
 Site 959, B:449  
 Site 960, A:180  
 Site 961, A:236–237  
 Sites 959–960, B:473
- Uvigerina ampullacea*, Site 959, B:606, 608
- Uvigerina hispida*, Site 959, B:606, 608, 610
- Uvigerina peregrina*  
 Site 959, B:606, 608–610  
 Site 961, A:237
- Uvigerina rippensis*, Site 960, B:442
- Uvigerina spinosa*, Site 960, B:442
- Uvigerinammina jankoi*, Site 959, B:390, 394, 406, 484
- Uvigerinammina jankoi/Caudammina ovulum gigantea* concurrent zone, Site 959, B:396
- uvula*, *Globigerinita*  
 Site 959, B:468, 477  
 Site 960, B:468
- Vaginulina petila*, Site 962, B:355
- Vaginulinopsis fragaria*, Site 960, B:434, 437–438, 441
- validuspina*, *Stylocyrtia*, Site 962, A:273
- Valvulina haeringensis*, Site 960, B:437, 441
- vaneendenburgi*, *Longapertites*, Site 959, B:285, 317
- vannophorum*, *Circulodinium*, Site 959, B:278
- vannophorum*, *Cyclonephelium*, Site 959, B:299
- varia*, *Dictyocha*, Site 959, B:500, 506
- variabilis*, *Discoaster*  
 Site 959, A:89; B:512, 534  
 Site 960, A:179; B:514  
 Site 961, A:235–236; B:515  
 Site 962, A:272
- variabilis*, *Discoaster* sp. cf. *Discoaster*, Site 959, B:512
- variabilis*, *Globorotaloides*, Sites 959–960, B:471
- varians*, *Cordosphaeridium*, Site 959, B:272
- varians?*, *Remesella*, Site 959, B:409
- variata*, *Parasubbotina*, Site 960, A:182
- varium*, *Alterbidinium*, Site 959, B:257, 272, 305
- vectensis*, *Fibrocysta*, Site 959, B:285, 313, 484
- velascoensis*, *Aragonia*  
 Côte d'Ivoire-Ghana continental margin,  
 A:307  
 Site 961, A:238
- velascoensis*, *Hormosina*, Site 959, B:390, 407, 410, 484
- venezuelana*, *Globoquadria*  
 Site 959, A:90–91; B:449  
 Site 960, A:180–181  
 Site 961, A:237  
 Site 962, A:273  
 Sites 959–962, B:469
- venezuelana*, *Globorotalia*  
 Site 961, A:237  
 Site 962, B:462
- verrucatus*, *Elaterosporites*, Site 961, B:258, 276
- verteroensis*, *Patellula*, Site 962, B:364, 370, 372
- vespertilio*, *Lithochytris*, Site 960, A:182
- vicksburgense*, *Chrysalogonium*, Site 960, B:438, 441
- vigilans*, *Rocella*, Site 959, A:92
- virginis*, *Calocyclus*, Site 962, A:273
- viscida*, *Fursenkoina*, Site 962, B:356
- Vitorfus morini*, Site 962, B:364, 371–372
- volata*, *Areoligera*, Site 959, B:272
- Vulvulina spinosa*, Site 961, A:237
- walteri*, *Haplophragmoides*, Site 959, B:390, 411
- walteri*, *Haplophragmoides* cf., Site 959, B:411
- Watznaueria barnesae*  
 Site 959, A:90; B:323  
 Site 960, A:178, 180  
 Site 961, A:234, 236; B:285  
 Site 962, A:272; B:324
- Watznaueria biporta*, Site 960, A:178
- Watznaueria ovata*, Site 962, A:272
- westralium*, *Dinogymnium*, Site 959, B:299
- wetzeli*, *Cribroperidinium*, Site 959, B:279, 309
- wetzeli*, *Spiniferites*, Site 959, B:315
- whangaia*, *Conotrochammina*, Site 959, B:390–391, 411
- whangaia*, *Conotrochammina* cf., Site 959, B:408
- whitei*, *Cometodinium* sp. cf. *Cometodinium?*, Site 959, B:301
- Whiteinella aprica*, Site 959, B:378
- Whiteinella archaeocretacea*, Site 959, B:378, 488
- Whiteinella archaeocretacea* Zone, Site 959, B:482
- Whiteinella* sp. cf. *Whiteinella aprica*, Site 960, B:336, 345
- Whiteinella(?) inornata*, Site 959, B:335
- Whiteinella(?) paradubia*, Site 960, B:335, 344
- Whiteinella(?)* sp., Site 959, B:345
- wilsonii*, *Glaphyrocysta*, Site 959, B:273
- woodi*, *Globigerina*, Site 961, A:237
- woodi*, *Globoturborotalia*  
 Site 959, B:476  
 Sites 959–962, B:472
- wuellerstorfi*, *Cibicides*  
 Site 959, B:540–541 545–554  
 Site 961, A:237
- wuellerstorfi*, *Fontbotia*, Site 959, B:606–607, 609–610
- xanthiopyxides*, *Tanyosphaeridium*, Site 959, B:274
- Xenascus asperatus* Zone, Site 962, B:285
- Xenascus ghaensis* n. sp., Site 959, B:266–267, 274
- Xenascus gochtii*, Site 959, B:257, 274
- Xestoleberis abyssoris*, Site 960, B:530
- ?*Xitus* sp. cf. *Xitus spicularius*, Site 962, B:371, 373
- Xitus spicularius*, Site 962, B:371–372
- Xitus spinosus*, Site 962, B:371, 373
- yorubaensee*, *Kallosphaeridium*, Site 959, B:257, 273
- zaklinskaiae*, *Ephedripites*  
 Site 959, B:257  
 Site 962, B:275
- zawia*, *Subtilisphaera*, Site 959, B:279, 299
- zelandicus*, *Gyroidina*, Site 961, A:237
- Zeugrhabdotus elegans*, Site 962, B:324, 327
- Zeugrhabdotus pseudanthophorus*, Site 962, A:272
- Zeugrhabdotus* sp. cf. *Zeugrhabdotus elegans*, Site 962, B:324
- zones (with letter prefixes)  
 CC8, Site 959, A:90  
 CC8b, Site 959, A:90  
 CC9, A:272; B:323  
 CC9a, Site 959, A:90; B:323  
 CC9b, B:323–324, 327  
 CC9c, Site 962, B:324  
 CC10, Atlantic Ocean E, B:320  
 CC11, Site 959, A:90; B:323, 482  
 CC12, Atlantic Ocean E, B:319  
 CC12b, Site 960, B:324  
 CC13, A:180; B:320  
 CC13a, Site 959, A:90; B:323, 482  
 CC13b, B:323–324  
 CC14, B:323–324, 422, 483  
 CC15a, B:323–324, 483  
 CC15b, Site 959, A:90; B:323, 327, 483  
 CC15b–CC16, Site 959, A:90  
 CC15b–CC17, Site 959, A:90  
 CC16, Site 959, A:90; B:415, 422, 483

- CC17, Site 959, A:90  
 CN1, A:178; B:415  
 CN1a, Site 959, A:89; B:414–415, 494, 510, 516  
 CN1b, A:89, 92; B:418, 422, 494, 510, 512–514, 516  
 CN1b/CN1c boundary, Site 959, B:516  
 CN1c, A:89, 92, 178–179, 236; B:421, 494–495, 510, 512–515, 517  
 CN2, A:92, 178–179; B:494, 512–514, 516  
 CN3, A:89, 92, 178, 236–237; B:512–517  
 CN4, A:178–179, 236; B:512–515, 517, 519–520  
 CN5, A:177, 179; B:512–513, 517, 519–521  
 CN5a, Site 959, A:88; B:512  
 CN5b, Site 959, A:88; B:512–513, 517  
 CN6, A:178; B:512–514, 517, 519, 521  
 CN7, A:88, 178–179; B:519–520  
 CN7a, A:236; B:513, 519, 521  
 CN7b, B:512–515, 517, 520  
 CN8, A:88, 178; B:510, 518, 520  
 CN8a, B:515, 517, 519–520  
 CN8b, A:236; B:510, 512–515, 517–518  
 CN9, A:178; B:512, 515, 517–518  
 CN9a, A:178, 235; B:510, 513–515  
 CN9b, A:88, 235, 308; B:512–514, 517  
 CN10, A:235; B:512–513  
 CN10/CN11 boundary, Site 959, B:513  
 CN10a, Site 959, B:514  
 CN10b, A:88; B:514, 518  
 CN10c, A:88, 235; B:514–515, 518  
 CN10d, A:88; B:515, 537  
 CN11, A:178, 308; B:512, 518, 533–537  
 CN11/CN12 boundary, Site 959, B:513  
 CN11a, A:88, 178–179, 272, 308; B:514–516, 518, 534, 537  
 CN11b, A:88, 179, 235; B:510, 512, 515–516, 534, 537  
 CN12, A:177, 179; B:512, 514–515, 518, 533–537  
 CN12a, A:88, 177, 179, 235; B:514–515, 534, 537  
 CN12b, A:87, 179, 272, 275; B:514, 516, 534  
 CN12c, A:87; B:514, 516, 534  
 CN12d, A:179; B:514, 516, 534  
 CN13, B:515, 537  
 CN13a, A:177, 179, 234; B:512, 514–516, 519, 534  
 CN13b, A:87; B:513, 516, 534, 537  
 CN14, Site 959, B:533–537  
 CN14a, A:178, 271–272; B:513–516, 519, 534  
 CN14b, A:87, 178, 271, 275; B:513, 515–516, 519, 534, 579  
 CN15, A:178, 234, 271, 275; B:513, 515–516, 519, 533–537, 579  
 CP6, Site 961, A:234, 236; B:421  
 CP7, A:90, 236; B:415, 421–422  
 CP8, A:236; B:415  
 CP8a, Site 961, B:421  
 CP8b, Site 959, A:89; B:415  
 CP9, A:236; B:415  
 CP9a, A:89, 179; B:416, 419  
 CP9b, A:89, 178, 236; B:416–417, 421–422  
 CP9b/CP10, Site 960, A:178 180  
 CP10, A:89, 178–179, 236, 270; B:415–417, 419, 421–422  
 CP11, A:178; B:415–417, 419, 421, 423  
 CP12, Site 959, B:415  
 CP12a, B:417, 419, 421  
 CP12b, Site 960, B:423  
 CP13, A:89, 178–179; B:416–417, 422  
 CP13a, A:89; B:418–419, 421  
 CP13b, B:416, 418, 421  
 CP14, A:177; B:416  
 CP14a, A:89; B:416, 423  
 CP14b, A:182; B:417, 421–422  
 CP14b–CP15, Site 959, A:89  
 CP15, Site 959, A:89; B:416–417, 422  
 CP17, Site 959, A:89; B:417, 422  
 CP18, Site 959, B:414, 417  
 CP19, A:89, 177, 179; B:422  
 CP19/NP25 boundary, Site 959, B:415  
 CP19a, B:414, 418, 421–423  
 CP19b, B:414, 418, 421–422, 513–514  
 M1, Site 960, A:181  
 M1a, Site 960, A:181  
 M1b, A:92, 182, 237  
 M2, Site 960, A:181  
 M3, A:90, 181, 237  
 M4, Site 960, A:181  
 M4a, Site 960, A:181  
 M4b, A:92, 181  
 M4c, Site 961, A:237  
 M5, A:91, 181  
 M6, A:91, 181  
 M7, A:91, 181  
 M8, Site 959, A:91  
 M9, Site 959, A:91  
 M10, Site 959, A:91  
 M11, Site 959, A:91  
 M12, Site 959, A:91  
 M13, A:91, 181, 237, 276  
 M13a, A:91, 237  
 M13b, A:91, 181  
 M14, A:91, 180–181, 237; B:456  
 N4, Sites 959–962, B:446  
 N5, Sites 959–962, B:446  
 N6, B:466, 468, 474  
 N7, B:446, 457, 462, 466–469, 472–474  
 N7/N8, Site 961, B:462  
 N8, B:446, 457, 462, 466–469, 471–474  
 N8a, Sites 959–962, B:446  
 N8b, Sites 959–962, B:446  
 N9, B:446, 456–457, 466, 468–469, 471–474  
 N10, B:447, 456, 467–469, 471–472  
 N11, B:447, 456, 468, 471–472  
 N12, B:448, 456, 462, 466–468, 470–474  
 N13, B:448, 456–457, 466, 468, 470–473  
 N13/N12 boundary, Site 959, B:456  
 N14, Sites 959–962, B:448, 467, 470–471  
 N15, Sites 959–962, B:448, 470  
 N16, B:448, 456, 462, 466–470, 472  
 N17, B:448, 456–457, 462, 466–468, 470, 472–473  
 N22, A:90, 180, 236, 273  
 N22a, Site 960, A:180  
 N22b, Site 961, A:236  
 N23, Site 961, A:236  
 NH5, Site 959, B:521  
 NN2, Site 959, B:495  
 NN3, Site 959, B:495  
 NN4, Site 959, B:495  
 NN13, Site 959, B:518  
 NN14, Site 959, B:518  
 NP25/NN1 boundary, Site 959, B:415  
 P0, Site 959, B:396  
 P3, A:182; B:390  
 P4, Site 960, A:182  
 P5, A:182; B:390  
 P6, Site 960, A:182  
 P10, Site 960, A:182  
 P11, Site 960, A:182  
 P14, Site 960, A:182; B:434  
 P21, Site 959, A:92  
 P22, Site 959, A:92  
 PL1, A:91, 180; B:448–449, 456–457, 462, 465, 469–470, 472–473  
 PL1a, Site 961, A:237  
 PL1b, A:236; B:449  
 PL1c, A:236, 273; B:449  
 PL2, A:91, 180, 237, 273, 275; B:448–449, 457, 462, 469–471, 473  
 PL3, A:90, 180, 236–237, 273, 275–276; B:448–449, 462, 465, 468–471, 473–474  
 PL4, A:90, 180, 236; B:448–449, 457, 466, 468–471  
 PL5, A:90, 180, 236; B:448–449, 457, 462, 466–473  
 PL6, A:90, 180, 236, 273; B:448–449, 457, 462, 471, 473  
 Pt1, B:448–449, 457, 462, 466–467, 472  
*Zygrhablithus bijugatus*  
 Site 959, B:415–416  
 Site 960, A:179; B:421