

INDEX TO VOLUME 150X

This index covers both the *Initial Reports* and *Scientific Results* portions of Volume 150X 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:).

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

The index covers volume text, figures, and tables but not core-description forms (“barrel sheets”), core photographs, smear-slide descriptions, 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.

The Taxonomic Index is an index relating to significant findings and/or substantive discussions, not of species names *per se*. This index covers two varieties of information: (1) individual genera and species that have been erected or emended formally, and (2) biostratigraphic zones. 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.

VOLUME 150X SUBJECT INDEX

- Absecon Inlet Formation
 biostratigraphy, B:118–120, 122
 clay mineralogy, B:60–63
 lithostratigraphy, B:19–20
 sequence stratigraphy, B:243–266
 stratigraphy, B:8–10
- ACGS#4 borehole
 biofacies, B:207–228
 Oligocene, B:81–86
 paleoenvironment, B:239
- ACGSalpha Unit, lithostratigraphy, A:23–24
 advection, strontium, B:352–353
- age vs. depth, New Jersey Coastal Plain,
 B:131–132, 170–171, 195–197,
 208–209, 233–235, 265, 308–310
- Allaire borehole, comparison to Island Beach
 borehole, B:224
- allisoleucine. *See D-allisoleucine/L-isoleucene*
 ratio
- allostratigraphy, Miocene, B:134
- allounits, Miocene, B:143
- alteration
 photograph, B:44
See also diagenesis; glauconitization;
 sideritization
- aluminosilicates
 heavy minerals, B:75–79
- aluminum, diagenesis, B:28, 35
- amino acids
 shells, B:355–357
See also D-allisoleucine/L-isoleucene ratio
- aminostratigraphy
 Quaternary, B:355–357
See also geochronology; racemization
- amphibole
 heavy minerals, B:75–79
 sediments, B:50, 54
- anions, vs. depth, B:332–333
- aquifers
 chemistry, B:344–354
 lithostratigraphy, A:22
 lower Miocene, B:318–320
- Arcadia Formation, deposition, B:153
- Ash Marl, Eocene, B:209–210
- Atlantic City 800-foot sand, pore water,
 B:343–354
- Atlantic City borehole
 biofacies, B:207–228
 biostratigraphy, B:118–121, 135, 137–140
 boreholes, B:9
 clay mineralogy, B:49–57, 61
 diagenesis, B:27–28, 30–31
 diatoms, B:161–165
 magnetostratigraphy, B:298–301
 Miocene, A:16
 Oligocene, B:81–86, 192
 pore water, B:343–354
 sediments, B:317–341
- Atlantic City Formation
 biostratigraphy, B:119, 122
 clay mineralogy, B:60–63
 lithostratigraphy, B:20–21, 81–87
 sediments, B:50
 stratigraphy, B:7–10
- Atlantic Coastal Plain
 clay mineralogy, B:59–64
 foraminiferal biostratigraphy, B:111–127
 magnetic susceptibility, B:65–74
 Oligocene–Miocene correlation, B:147–159
- Paleocene–Eocene, B:91–110
- authigenesis, sediments, B:53–54
- Belleplain Member, clay mineralogy, B:60–61
- Big Brook, ostracodes, B:289
- bioevents, foraminiferal biofacies, B:262
- biofacies
 benthic foraminifers, B:267–275
 Eocene, B:207–228
 foraminifers, B:83, 169–186, 198–199, 201
 Oligocene, B:194–201
 ostracodes, B:289
- Biofacies A
 foraminifers, B:198, 213, 232
 ostracodes, B:289
- Biofacies B
 foraminifers, B:198, 213, 232
 ostracodes, B:289
- Biofacies C, foraminifers, B:198, 213, 232
- Biofacies D, foraminifers, B:198, 213, 232
- Biofacies E, foraminifers, B:198–199, 213, 232
- Biofacies F, foraminifers, B:199, 213, 232
- Biofacies G, foraminifers, B:199, 213, 232
- Biofacies H, foraminifers, B:199, 201, 214, 232
- biostratigraphy
 Cape May Site, A:24–26
 foraminifers, B:111–127
 Miocene, B:129–145
 nannofossils, B:91–110
 Oligocene, B:82–85
 ostracodes, B:287–292
- biotopes. *See* neritic biotopes; paralic biotopes
- Blue Marl, Eocene, B:209–210
- Brigantine Member
 clay mineralogy, B:60–61, 63
 lithostratigraphy, B:21
 revised definition, B:186
- burrows, lithostratigraphy, B:18
- calcium
 chemical reactions, B:338–339
 diagenesis, B:28, 35
 vs. depth, B:334
 vs. sulfate, B:350
See also sodium/calcium ratio; sulfate/calcium
 ratio
- calcium carbonate
 petrography, B:27–28, 33, 36
 vs. depth, B:35–36, 40
- Cape May borehole, A:5–28
 aminostratigraphy, B:355–357
 biostratigraphy, A:24–26; B:120, 122–123,
 125, 130–136
 boreholes, B:9–10
 clay mineralogy, B:60
 core description, A:10–13
 diatoms, B:161–165
 heavy minerals, B:75–79
 lithostratigraphy, A:9–24
 magnetostratigraphy, B:301–303
 Oligocene, B:81–86, 191
 operations, A:7–9
 Pleistocene, B:355–357
 site description, A:5–28
 strontium-isotope stratigraphy, A:26
 summary and conclusions, A:26–27
- Cape May Formation
 lithostratigraphy, A:13–14
 sediments, B:53
- stratigraphy, B:7, 9–10
- carbon, vs. depth, B:335
- carbon, organic, vs. age, B:312
- carbon isotopes
 Paleocene–Eocene, B:305–315
 vs. age, B:310–313
 vs. oxygen isotopes, B:313
See also stable isotopes
- carbonates
 provenance, B:156–158
See also iron carbonate
- cation exchange capacity
 pore water, B:322–323, 328–338
 vs. depth, B:335
See also ion exchange
- cations
 vs. depth, B:331–332
See also ion exchange
- cementation
 petrography, B:27–28, 35, 39
 photograph, B:46
- Cenozoic
 clay mineralogy, B:49–57
 coastal plains, B:361–373
- chalk, diagenesis, B:31
- chert, petrography, B:27
- chloride
 chemical reactions, B:338–339
 vs. depth, B:332, 335
 vs. sodium, B:350
See also sodium/chloride ratio
- chloride/strontium ratio, pore water, B:348
- chlorite, sediments, B:50, 53
- Chron C12r, sediments, B:297
- Chron C20, sediments, B:297
- Chron C22n, Eocene, B:239
- Chron C22r, Eocene, B:239
- Chron C23n, sediments, B:298
- Chron C24n, sediments, B:298
- Cibicides* spp., stable isotopes, B:307
- clasts. *See* intraclasts
- clay
 glauconite, lithostratigraphy, A:23
 lithostratigraphy, B:16, 18, 255
 pore water, B:343–354
 textures, B:317–341
- clay, sandy, lithostratigraphy, A:14–18
- clay, silty
 lithostratigraphy, A:13–24
 photograph, A:20–21
- Clay Mineralogical Zone 1, sediments, B:53
- Clay Mineralogical Zone 2, sediments, B:50, 53
- Clay Mineralogical Zone 3, sediments, B:50
- Clay Mineralogical Zone 4, sediments, B:50
- Clay Mineralogical Zone 5, sediments, B:50
- Clay Mineralogical Zone 6, sediments, B:50
- clay mineralogy
 Cenozoic, B:49–57
 diagenesis, B:33–34
 lithostratigraphy, B:16, 18–23
 Miocene, B:321–322, 326, 328
 pore water, B:338–339
 sediments, B:59–64
See also halloysite; illite; illite/smectite;
 illite/vermiculite; kaolinite;
 kaolinite/halloysite; pyrophyllite;
 smectite
- Clayton borehole, Paleocene–Eocene, B:92–93
- clinoptilolite

- clay mineralogy, B:60
sediments, B:50
- cluster analysis
biofacies, B:214
sequences, B:272–273
- coastal plains
Cenozoic, B:361–373
stratigraphy, A:3–13
- coesite, diagenesis, B:31
- Cohansey 1 Sequence, biostratigraphy, B:139
- Cohansey 2 Sequence, biostratigraphy, B:139
- Cohansey 3 Sequence, biostratigraphy, B:139–140
- Cohansey 4 Sequence, biostratigraphy, B:140
- Cohansey 5 Sequence, biostratigraphy, B:140
- Cohansey 6 Sequence, biostratigraphy, B:140
- Cohansey Formation
biostratigraphy, B:120, 122, 139–140
clay mineralogy, B:61
lithostratigraphy, A:15–17
sediments, B:50, 53
- concentration gradients, pore water, B:339–340
- conductance. *See* specific conductance
- confining units, aquifers, B:318–320
- continental shelf, Eocene, B:214–221
- correlation, Miocene, B:133
- Cretaceous
facies, B:5–7
lithostratigraphy, B:16
ostracodes, B:287–292
See also Maastrichtian
- Cretaceous, Upper, biostratigraphy, B:111–127
- Cretaceous/Tertiary boundary, biostratigraphy, B:124
- crystallization, petrography, B:27
- D*-all isoleucine/*L*-isoleucene ratio
mollusks, B:356–357
See also amino acids
- Deal Member, Eocene, B:210
- deep-sea environment, Paleocene–Eocene, B:305–315
- demagnetization, glauconite sand, B:296–304
- depocenters, Cenozoic, B:364–368
- diagenesis
sea-level changes, B:25–48
sediments, B:53–55
See also alteration; glauconitization; sideritization
- diatom ghosts, petrography, B:27
- diatoms
biostratigraphy, A:26
Neogene, B:161–165
- diffusion, strontium, B:351–352
- dinoflagellates, occurrence, B:136, 138
- disconformities
photograph, A:20–21
sequences, B:208–209
See also paraconformities; unconformities
- dissolution, petrography, B:27, 35
- dolomite
diagenesis, B:30, 36–37
photograph, B:45
- “Doubthouse” sequences, stratigraphy, B:6–7
- East Coast Diatom Zone, Neogene, B:161
- East Coast Diatom Zone 6 sequence,
lithostratigraphy, A:17–18
- ejecta, diagenesis, B:31, 33–35
- Eocene
biostratigraphy, B:111–127
calcareous nannofossils, B:91–110
clay mineralogy, B:60–63
clays, A:17
foraminiferal biofacies, B:207–228
lithostratigraphy, A:23–24
lower/middle boundary, B:68
magnetostratigraphy, B:295–304
paleoclimatology, B:63, 229–242
sedimentation, B:305–315
sediments, B:27–36, 50
stratigraphy, B:8–10
- Eocene, lower, sediments, B:27
- Eocene, middle and upper, sediments, B:27–28
- Eocene, upper, sequence stratigraphy, B:243–266
- epidote, heavy minerals, B:75–79
- eustasy
coastal plains, B:361–373
Eocene, B:239–241
Oligocene–Miocene, B:7
See also glacioeustasy; regressions; sea-level changes; transgressions
- Exxon cycles, Oligocene, B:203
- factor analysis, biofacies, B:211, 213–214
- Farmingdale Member, Eocene, B:210
- feldspar, sediments, B:50
- feldspar, shocked, petrography, B:35
- Florida, Oligocene–Miocene correlation, B:152–153
- fluid migration, photograph, B:47
- foraminiferal factors, vs. depth, B:248–257, 260–261
- foraminifers
biostratigraphy, B:111–127
diagenesis, B:28, 30, 34–37
Oligocene, B:81–85
photograph, B:42, 46, 48
- foraminifers, benthic
biofacies, B:169–186, 198–201
Eocene, B:207–228, 231–233
Oligocene–Miocene, B:7
paleobathymetry, B:199
Paleocene, B:267–275
Paleocene–Eocene, B:307–313
upper Eocene, B:245–247
- foraminifers, planktonic
biostratigraphy, A:24–25
occurrence, A:25
- gamma rays, natural
Eocene, B:68
pass-through core measurements, B:65–74
vs. depth, B:69–74
vs. gamma-ray logs, B:67–68
vs. lithology, B:67–68
- gamma-ray logs
natural gamma rays, B:67–68
vs. depth, B:69–74
- garnet
heavy minerals, B:75–79
vs. depth, B:78
- geochronology
aminostratigraphy, B:355–357
Oligocene, B:194–198
See also aminostratigraphy; racemization
- geostatistical models
pore water, B:324, 333–335
vs. depth, B:333–335
- gibbsite, sediments, B:50
- glacioeustasy
Miocene, B:142–144, 181–183
Oligocene, B:203–205
sequences, B:3–4
See also eustasy; regressions; sea-level changes; transgressions
- glauconite
illite, B:54–55
lithofacies, B:20
petrography, B:27–28, 31–37
vs. magnetic susceptibility, B:67
- glauconite sand
biostratigraphy, B:124
Eocene, B:239
lithostratigraphy, A:18–23; B:16–22, 255
lower Miocene, A:17
magnetostratigraphy, B:296–304
Oligocene, B:190–205
photograph, A:20–21
See also sand
- glauconitization
illite, B:54–55
See also alteration
- global change
Eocene, B:229–242
Paleocene–Eocene, B:305–313
- gravel, lithostratigraphy, A:13–14
- Green Marl, Eocene, B:209–210
- ground water, chemistry, B:344–354
- halloysite
photograph, B:57
sediments, B:50
See also clay mineralogy
- heavy minerals
sediments, B:75–79
vs. depth, B:76
See also individual minerals
- Highstand Systems Tract, photograph, A:20–21
- Holocene
lithostratigraphy, A:13–14; B:22
sediments, B:53
See also Pleistocene; Quaternary
- Hornerstown Formation
biostratigraphy, B:114
clay mineralogy, B:62–63
lithostratigraphy, B:16, 18
stratigraphy, B:8–9
- Howell Park, diagenesis, B:28
hydrogeochemistry, aquifers, B:320
hydrogeology, lower Miocene, B:318–320
- illite
sediments, B:50, 53, 60–63
See also clay mineralogy
- illite/smectite
lithostratigraphy, B:16
photograph, B:57
sediments, B:50, 53–54, 60–63
See also clay mineralogy
- illite/vermiculite
sediments, B:50, 53–54
See also clay mineralogy
- ilmenite, heavy minerals, B:75–79
- impact ejecta, diagenesis, B:31, 33–35
- impacts, sedimentation, B:368–370
- indurated zones
lithostratigraphy, A:22
photograph, A:20–21
- interstitial waters. *See* pore water
- intraclasts
photograph, B:44
- ion exchange
pore water, B:338–339
See also cation exchange capacity; cations
- iron
diagenesis, B:28, 35
vs. depth, B:331
- iron, labile
pore water, B:322–324, 329–330
vs. depth, B:330
- iron carbonate
diagenesis, B:30, 36

- See also* carbonates
- Island Beach borehole
 biofacies, B:207–228
 biostratigraphy, B:112–118
 boreholes, B:6–9
 clay mineralogy, B:61–63
 comparison to Allaire borehole, B:224
 diagenesis, B:27, 29
 diatoms, B:161–165
 lithostratigraphy, B:15–24
 magnetostratigraphy, B:296–298
 Oligocene, B:81–86, 193
 ostracodes, B:287–292
 Paleocene–Eocene, B:93
 isoleucine. *See* *D*-all isoleucine/*L*-isoleucine ratio
 isopach maps, Oligocene, B:204
- kaolinite
 lithofacies, B:19–22
 photograph, B:48, 57
 sediments, B:50, 53, 60–63
See also clay mineralogy
- kaolinite/halloysite
 sediments, B:53–54
See also clay mineralogy
- Kirkwood 0 Sequence
 biostratigraphy, B:122, 137
 clay mineralogy, B:61
 deposition, B:152, 176
- Kirkwood 1 Sequence, deposition, B:149, 152, 176–178
- Kirkwood 1a Sequence
 biofacies, B:176–178, 278
 biostratigraphy, B:122, 137
 clay mineralogy, B:61–62
 lithostratigraphy, A:22; B:21, 62
- Kirkwood 1b Sequence
 biofacies, B:178, 278
 biostratigraphy, B:122, 137
 lithostratigraphy, A:22; B:21–22, 62
- Kirkwood 1c Sequence
 biofacies, B:178
 biostratigraphy, B:122, 137–138
- Kirkwood 2 Sequence, deposition, B:149, 151–152
- Kirkwood 2a Sequence
 biofacies, B:178–179, 279
 biostratigraphy, B:122, 138–139
 clay mineralogy, B:60
 lithostratigraphy, A:19; B:22, 62
 sediments, B:50
- Kirkwood 2b Sequence
 biofacies, B:179, 279
 biostratigraphy, B:120, 122, 139
 clay mineralogy, B:60
 lithostratigraphy, A:19
 sediments, B:50
- Kirkwood 2c Sequence
 biofacies, B:179
 biostratigraphy, B:122, 139
 clay mineralogy, B:60
- Kirkwood 3 Sequence
 biofacies, B:180, 280
 biostratigraphy, B:120, 122, 139
 clay mineralogy, B:60
 deposition, B:151–152
 lithostratigraphy, B:17–18
 sediments, B:50
- Kirkwood Formation
 biostratigraphy, B:119–120, 122, 137–139
 clay mineralogy, B:60–63
 lithology, B:170–171
 lithostratigraphy, A:15–23; B:21–22
 lower Miocene, A:15, 17
- middle Miocene, A:14
 mineralogy, B:317–341
 photograph, A:20–21
 pore water, B:343–354
 revised definition, B:186
 sediments, B:50
 stratigraphy, B:7, 9–10
- Kirkwood–Cohansey Sequence
 biofacies, B:180
 lithostratigraphy, A:15–17
- L*-isoleucine. *See* *D*-all isoleucine/*L*-isoleucine ratio
- leucogene, heavy minerals, B:75–79
- lithium
 chemical reactions, B:338–339
 vs. depth, B:334
- lithofacies
 lithostratigraphy, B:16–22
 tectonic controls, B:5–7, 173
- lithostratigraphy
 Cape May Site, A:9–24
 comparison of sequences at Island Beach and Cape May, B:13
 Eocene, B:207–228
 Island Beach borehole, B:15–24
 vs. depth, B:69–74
- Maastrichtian
 ostracodes, B:287–292
See also Cretaceous
- magnesium
 chemical reactions, B:338–339
 diagenesis, B:28
 vs. depth, B:334
- magnetic inclination, vs. depth, B:297, 299, 301, 303
- magnetic polarity
 sediments, B:296–304
 vs. depth, B:297, 299, 301, 303
- magnetic susceptibility
 pass-through core measurements, B:65–74
 vs. depth, B:66, 69–74
 vs. glauconite, B:67
 vs. lithology, B:67–68
- magnetostratigraphy, Eocene–Miocene, B:295–304
- Manasquan Formation
 biostratigraphy, B:116
 clay mineralogy, B:62–63
 Eocene, B:209–210
 lithostratigraphy, B:18–19
 stratigraphy, B:8
- manganese, vs. depth, B:331
- Maryland, correlation, B:141–142
- mass accumulation rates
 chronology, B:140–141
See also sedimentation rates
- maximum flooding surface, Oligocene, B:193, 239
- microtektites
 petrography, B:35
See also tektites
- Miocene
 biofacies, B:169–186
 biostratigraphy, B:111–127, 129–145
 clay mineralogy, B:60–63
 correlation between Cape May and Atlantic City sections, A:16
 lithostratigraphy, A:15–23
 magnetostratigraphy, B:295–304
 paleoclimatology, B:63, 277–285
 pore water, B:343–354
 sediments, B:50
- stratigraphy, B:7, 9–10
- Miocene, lower
 glauconite sand equivalents to the Kirkwood Formation, A:17
 Kirkwood Formation, A:15
 sediments, B:317–341
- Miocene, middle, Kirkwood Formation, A:14
- Miocene, upper, sediments, B:75–79
- mixing reactions, pore water, B:338–339
- mollusks
 aminostratigraphy, B:355–357
 reworking, B:351
- monazite, heavy minerals, B:75–79
- Monmouth County, ostracodes, B:289
- montmorillonite, sediments, B:60–63
- nannofossils, calcareous
 biostratigraphy, A:25–26
 Paleocene–Eocene, B:91–110
 photographs, B:106–110
 Zones NP9–NP10, B:94–97
 Zones NP9–NP12, B:98–100
- Navesink Formation
 biostratigraphy, B:112–114
 clay mineralogy, B:62–63
 ostracodes, B:287–289
- Neogene
 biostratigraphy, A:24–25
 diatoms, B:161–165
 lithostratigraphy, B:21–22
- neritic biotopes
 benthic foraminifers, B:269–270
See also paralic biotopes
- neritic environment
 biofacies, B:177–180, 198–202
 lithostratigraphy, B:16
See also paleoenvironment; sedimentation
- New Jersey, ostracodes, B:289
- New Jersey Coastal Plain
 biostratigraphy, B:111–127, 129–145
 coastal plains, B:361–373
 diagenesis, B:25–48
 diatoms, B:161–165
 Eocene, B:207–242
 foraminiferal biofacies, B:169–186
 magnetostratigraphy, B:295–304
 Oligocene, B:81–87, 187–206
 Oligocene–Miocene correlation, B:147–152
 ostracodes, B:287–292
 Paleocene, B:267–275
 Paleocene–Eocene, B:305–315
 paleoclimatology, B:277–285
 Pleistocene, B:355–357
 sea-level changes, B:25–48
 site description, A:5–28
 stratigraphy, B:3–13
 upper Eocene, B:243–266
- New Jersey continental slope, diagenesis, B:25–48
- New Jersey Sea-Level Transect, stratigraphy, B:3–4
- Nocatee Member, deposition, B:153
- nodules, lithostratigraphy, A:23–24
- Ocala Limestone, deposition, B:153
- offshore studies, comparison with onshore studies, B:10–11
- Oligocene
 biostratigraphy, B:111–127
 clay mineralogy, B:60–63
 glauconite sands, A:17
 lithostratigraphy, A:23; B:81–87
 magnetostratigraphy, B:295–304
 paleoclimatology, B:63
 sediments, B:50

- sequences, B:187–206
 stratigraphy, B:7–10
 Oligocene–Miocene, reflectors, B:7
 Oligocene–Miocene correlation, strontium isotopes, B:147–159
 onshore studies, comparison with offshore studies, B:10–11
 opal, biogenic, vs. depth, B:35–36, 40
 opal A, petrography, B:27–28, 30, 36–37
 opal-CT
 petrography, B:27–28, 30, 36
 photograph, B:48
 sediments, B:50, 53
 orthoclase, diagenesis, B:31
 ostracodes, Cretaceous, B:287–292
 oxidation, pore water, B:338–339
 oxygen isotopes
 Cenozoic, B:363–364, 370
 correlation, B:155–157
 Eocene, B:238–241
 Miocene, B:143, 283
 Oligocene, B:189
 Paleocene–Eocene, B:305–315
 vs. age, B:310–312, 370
 vs. carbon isotopes, B:313
 See also stable isotopes
- paleobathymetry
 benthic foraminifers, B:199, 214–221, 225
 distribution, B:212
 Paleocene
 biostratigraphy, B:111–127
 calcareous nannofossils, B:91–110
 sedimentation, B:305–315
 sequence stratigraphy, B:267–275
 stratigraphy, B:8–9
 paleoclimatology
 Cenozoic, B:55, 181–183
 clay mineralogy, B:63, 402
 Eocene, B:229–242
 Miocene, B:277–285
 Paleocene–Eocene, B:305–315
 paleodepth, benthic foraminifers, B:214–221, 226–227, 247, 249, 311–312
 paleoecology, benthic foraminifers, B:269–270
 paleoenvironment
 lithostratigraphy, B:15–24, 214–221
 ostracodes, B:289
 Paleocene, B:269–270
 Paleocene–Eocene, B:305–315
 systems tracts, B:175–180, 201–203, 232–238
 See also neritic environment; sedimentation; shelf environment
 Paleogene
 biostratigraphy, B:111–127
 lithostratigraphy, B:16, 18–21
 palynomorphs
 biostratigraphy, B:129–145
 Miocene, B:277–285
 paraconformities
 sequences, B:208–209
 See also unconformities
 paralic biotopes
 benthic foraminifers, B:269
 See also neritic biotopes
 passive margins, tectonic controls, B:4, 181–183
 petrography, sediments, B:27–35
 pH, vs. depth, B:335
 plagioclase, diagenesis, B:31
 Pleistocene
 aminostratigraphy, B:355–357
 lithostratigraphy, A:13–14; B:22
 sediments, B:50, 53, 75–79
 See also Holocene; Quaternary
- Pliocene
 lithostratigraphy, A:14–15
 sediments, B:75–79
 polytungstate. *See* sodium polytungstate
 porcellanite, petrography, B:28
 pore water
 chemistry, B:331–338, 343–354
 quality, B:317–341
 Poricy Brook, ostracodes, B:289
 potassium, diagenesis, B:28, 35
 principal component analysis, pore water, B:324
 provenance
 siliciclastics, B:156–158
 See also sedimentation
 pyrite
 diagenesis, B:39
 lithostratigraphy, A:23–24
 photograph, B:44
 vs. depth, B:78
 pyroboles
 heavy minerals, B:75–79
 vs. depth, B:78
 pyrophyllite
 clay mineralogy, B:61
 See also clay mineralogy
 pyroxene, heavy minerals, B:75–79
- quartz
 diagenesis, B:30, 30–35
 photograph, B:44, 48
 sediments, B:50, 53
 quartz sand
 lithostratigraphy, A:15–17, B:18
 See also sand
 quartz, shocked, petrography, B:35
 Quaternary
 aminostratigraphy, B:355–357
 stratigraphy, B:7, 9–10
 See also Holocene; Pleistocene
- racemization
 amino acids, B:355–357
 See also aminostratigraphy; geochronology
 recycling, glauconite, B:193
 Red Bank Formation
 biostratigraphy, B:112–114
 ostracodes, B:287–289
 Red Bank–Navesink Formations,
 lithostratigraphy, B:16
 reduction, pore water, B:338–339
 reflectors, Oligocene–Miocene, B:7
 regressions
 lithostratigraphy, B:16–22
 Oligocene, B:190–205
 See also eustacy; glacioeustacy; sea-level changes; transgressions
 reworking, shells, B:351
 rolling basins, Cenozoic, B:364–368
 rutile, heavy minerals, B:75–79
- Salibury Embayment, correlation, B:141–142
 sand
 lithostratigraphy, A:13–24
 Oligocene–Miocene, A:18
 See also glauconite sand; quartz sand
 sand, clayey, lithostratigraphy, A:18–23
 sand, shelly, lithostratigraphy, A:15–17
 sandstone, lithostratigraphy, A:22–23
 Sandy Hook Member, ostracodes, B:287–289
 sea-level changes
 coastal plains, B:361–373
 diagenesis, B:25–48
 Eocene, B:229–242
 Miocene, B:142–144, 181–183
- Oligocene, B:203–205
 Oligocene–Miocene correlation, B:147–159
 Paleocene, B:272–274
 Paleocene–Eocene, B:312–313
 tectonic controls, B:3–4
 See also eustacy; glacioeustacy; regressions; transgressions
 sediment supply, coastal plains, B:361–373
 sediment–water interaction, pore water, B:344–345
 sedimentation
 coastal plains, B:147–159, 361–373
 correlation, B:155–158, 181–183, 204–205
 environment, A:27; B:54–55, 198–202
 Paleocene, B:305–315
 See also neritic environment; provenance; shelf environment
 sedimentation rates
 Cenozoic, B:368–370
 Miocene, B:172–174, 181
 See also mass accumulation rates
 sediments
 clay mineralogy, B:49–57, 59–64
 distribution, B:212, 266
 Eocene, B:27–36
 heavy minerals, B:75–79
 mineralogy, B:317–341
 Sequence E1, Eocene, B:233–234
 Sequence E2, Eocene, B:235–236
 Sequence E3, Eocene, B:236
 Sequence E4, Eocene, B:236–237
 Sequence E5, Eocene, B:237
 Sequence E6, Eocene, B:237–238
 Sequence E7, Eocene, B:238
 Sequence E8, Eocene, B:238
 Sequence E10, Eocene, B:249, 251
 Sequence E11, Eocene, B:251, 253, 255
 Sequence FM1, deposition, B:153
 Sequence FM3, deposition, B:153
 Sequence FM4, deposition, B:153
 Sequence FM5, deposition, B:153
 Sequence FO1, deposition, B:153
 Sequence FO2, deposition, B:153
 Sequence FO3, deposition, B:153
 Sequence O1, Oligocene, B:195, 201
 Sequence O2, Oligocene, B:195–196, 201–202
 Sequence O3, Oligocene, B:196–197, 202
 Sequence O4, Oligocene, B:197, 202
 Sequence O5, Oligocene, B:197, 202
 Sequence O6, Oligocene, B:198, 202–203
 Sequence Pa1, Paleocene, B:271–272
 Sequence Pa2, Paleocene, B:272
 Sequence Pa3, Paleocene, B:272
 sequence stratigraphy, Paleocene, B:267–275
 sequences
 biofacies, B:169–186
 biostratigraphy, B:129–145
 coastal plains, B:361–373
 Eocene, B:207–242
 facies, B:8
 glacioeustatic changes, B:3–4
 Miocene, B:142–144, 277–285
 Oligocene, B:82–85, 187–206
 Oligocene–Miocene, B:7
 Oligocene–Miocene correlation, B:147–159
 vs. depth, B:69–74, 367
 Sewell Point Formation
 biostratigraphy, B:118–119, 122
 clay mineralogy, B:60–63
 lithostratigraphy, B:20, 81–87
 sediments, B:50
 stratigraphy, B:8–10
 Shark River Formation
 biostratigraphy, B:116, 118

Eocene, B:209–210
 lithostratigraphy, B:19
 sediments, B:50
 stratigraphy, B:8–9
 shelf environment
 Paleocene–Eocene, B:305–315
See also paleoenvironment; sedimentation
 shell hash, lithostratigraphy, A:19
 shells, strontium, B:351
 Shiloh Marl Member
 clay mineralogy, B:60
 lithostratigraphy, B:21–22
 sideritization
 lithofacies, B:20
See also alteration; diagenesis
 silica
 chemical reactions, B:338–339
 diagenesis, B:27–28, 30
 photograph, B:47
 vs. depth, B:331–332, 335
 silicates. *See* aluminosilicates
 siliciclastics
 sedimentation, B:156–158, 368–370
 tectonic controls, B:4
 silicon, diagenesis, B:28, 35
 silt
 lithostratigraphy, B:16, 18, 255
 pore water, B:343–354
 textures, B:317–341
 silt, glauconitic, lithofacies, B:20
 siltstone, diagenesis, B:33
 Site 605, Paleocene–Eocene, B:93–95
 Site 902, diagenesis, boreholes, B:33–34
 Site 903, diagenesis, boreholes, B:30–32
 Site 904, diagenesis, boreholes, B:34–35, 38–39
 Site 906, diagenesis, boreholes, B:31, 33, 37
 slope biotopes, benthic foraminifers, B:270
 smectite
 diagenesis, B:53–54
 photograph, B:57
 sediments, B:50, 53
See also clay mineralogy
 sodium
 vs. chloride, B:350
 vs. depth, B:334, 348
 sodium polytungstate, heavy minerals, B:75–79
 sodium/calcium ratio, pore water, B:348
 sodium/chloride ratio, pore water, B:348

sodium/strontium ratio, pore water, B:348
 specific conductance, vs. depth, B:335
 Squankum Member, Eocene, B:210
 stable isotopes
 Paleocene–Eocene, B:305–315
See also carbon isotopes; oxygen isotopes;
 strontium isotopes
 staurolite, heavy minerals, B:75–79
 stratigraphy, A:3–13
 strontium
 chemical reactions, B:338–339
 sources, B:350–351
 vs. calcium, B:350
 vs. chloride, B:350
 vs. depth, B:332, 334, 348
See also sodium/strontium ratio
 strontium isotopes
 chronology, B:141, 172
 Oligocene, B:82–85, 194
 Oligocene–Miocene correlation, B:147–159
 pore water, B:343–354
 vs. depth, B:157, 349
See also stable isotopes
 strontium-isotope stratigraphy, A:26
 sulfate
 chemical reactions, B:338–339
 pore water, B:322–324, 329
 vs. calcium, B:350
 vs. depth, B:330, 332, 334, 348
 sulfate/calcium ratio, pore water, B:348
 sulfur, vs. depth, B:330
 sulfur, labile, pore water, B:322–324, 328–329
 “Suwannee” Limestone, deposition, B:153
 systems tracts
 Eocene, B:238–241
 Oligocene, B:190–205
 Paleocene, B:269, 273–274
 paleoenvironment, B:175–180
 systems tracts, highstand, Oligocene, B:193
 systems tracts, lowstand, Oligocene, B:193
 systems tracts, transgressive, Oligocene, B:193
 tectonic controls, glacioeustatic changes, B:3–4
 tectonics
 coastal plains, B:361–373
 sedimentation, B:155–158, 181–183, 203–205
 tektites
 petrography, B:35

See also microtektites
 Tertiary
 facies, B:5–7
See also individual epochs
 textures, clay, B:317–341
 Toms River Member, Eocene, B:210
 tourmaline, heavy minerals, B:75–79
 transgressions
 biofacies, B:177–180
 lithostratigraphy, B:16–22
 Oligocene, B:190–205
 sequences, B:272–273
See also eustacy; glacioeustacy; regressions;
 sea-level changes
 unconformities
 clay mineralogy, B:63
 correlation, B:155–157, 208–209
 Eocene, B:238–241
 gamma rays, B:67–68
 lithostratigraphy, A:19; B:16–22
 Miocene, B:144, 170
 Oligocene, B:190–205
 Paleocene, B:272–274
 photograph, B:42, 45, 47–48
 sediments, B:27–35, 50, 203–205, 296–304
See also disconformities; paraconformities
 unconformities, basal, Oligocene, B:195
 Vincentown Formation
 biostratigraphy, B:114–116
 clay mineralogy, B:62–63
 Eocene, B:210
 lithostratigraphy, B:18
 stratigraphy, B:8–9
 Virginia, correlation, B:141–142
 Wildwood Member
 clay mineralogy, B:60–61
 lithostratigraphy, B:22
 wood fragments, lithostratigraphy, A:13–14
 zircon, heavy minerals, B:75–79
 Zone P18, photograph, A:20–21
 Zone P19, photograph, A:20–21
 zoning, nannofossils, B:92–106

VOLUME 150X TAXONOMIC INDEX

Abathomphalus mayaroensis, New Jersey Coastal Plain, B:113
Abathomphalus mayaroensis Zone, New Jersey Coastal Plain, B:289
Abies, New Jersey Coastal Plain, B:278–280, 282–283
abisecta, *Reticulofenestra*, Cape May Site, A:25
Acarinina bullbrooki, New Jersey Coastal Plain, B:116, 118
Acarinina soldadoensis, New Jersey Coastal Plain, B:115
Acarinina subsphaerica, New Jersey Coastal Plain, B:115
Acer, New Jersey Coastal Plain, B:279, 284–285
Achomosphaera andalousiensis, New Jersey Coastal Plain, B:135, 139, 141–142
acostaensis, *Neogloboquadrina*, Cape May Site, A:17, 24
Actinocyclus heliopelta, Cape May Site, A:26
Actinocyclus ingens, New Jersey Coastal Plain,

B:161–165
acuta, *Anomalinoidea*, New Jersey Coastal Plain, B:213, 216–217, 219–221, 232, 234–236, 273
acuta, *Morozovella*, New Jersey Coastal Plain, B:116, 234, 307–308
Adhaerentia midwayensis, New Jersey Coastal Plain, B:272–273
alabamensis, *Hantkenina*, New Jersey Coastal Plain, B:118
alabamensis, *Spiroplectamma*, New Jersey Coastal Plain, B:213
Alabama midwayensis, New Jersey Coastal Plain, B:272–273, 313
Alabama spp., New Jersey Coastal Plain, B:272
Alabama wilcoxensis, New Jersey Coastal Plain, B:213, 217–218, 221, 232, 247
Alangium, New Jersey Coastal Plain, B:278
alani, *Fasciculithus*, New Jersey Coastal Plain, B:93–94

alazanensis, *Bulimina*, New Jersey Coastal Plain, B:247
alleni, *Cibicidoides*, New Jersey Coastal Plain, B:271–272
Alnus, New Jersey Coastal Plain, B:278–280, 282–284
altiapertura, *Globigerinoides*, New Jersey Coastal Plain, B:172
altiaperturus, *Globigerinoides*, Cape May Site, A:24; B:186
amiculum, *Caligodinium*, New Jersey Coastal Plain, B:130
Ammonia spp., Cape May Site, A:13
ampliapertura, *Helicosphaera*, Cape May Site, A:25
ampliapertura, *Turborotalia*, Cape May Site, A:25
 New Jersey Coastal Plain, B:118, 194, 196
anarrhopus, *Sphenolithus*, New Jersey Coastal Plain, B:97–98, 103
andalousiensis, *Achomosphaera*, New Jersey

- Coastal Plain, B:135, 139, 141–142
angiporoides, *Subbotina*, New Jersey Coastal Plain, B:122
angulata, *Morozovella*, New Jersey Coastal Plain, B:114, 274
angulisuturalis, *Globigerina*, New Jersey Coastal Plain, B:119, 122, 172, 194, 303
angulosa, *Trifarina*, New Jersey Coastal Plain, B:83, 191–192, 199–201
Anomalinoidea acuta, New Jersey Coastal Plain, B:213, 216–217, 219–221, 232, 234–236, 273
Anomalinoidea spp., New Jersey Coastal Plain, B:272
Anomalinoidea welleri, New Jersey Coastal Plain, B:273, 313
Antibythocypris punctilifera, New Jersey Coastal Plain, B:289–290
apertus, *Scapholithus*, New Jersey Coastal Plain, B:93, 110
Aptodinium spiridoides, New Jersey Coastal Plain, B:130–131, 135
Aptodinium spp., New Jersey Coastal Plain, B:130
Aptodinium tectatum, New Jersey Coastal Plain, B:132
aragonensis, *Morozovella*, New Jersey Coastal Plain, B:116, 118, 236, 238
arca, *Hornibrookina*, New Jersey Coastal Plain, B:93, 103, 110
Argilloecia sp., New Jersey Coastal Plain, B:289
arkansana, *Nodosaria*, New Jersey Coastal Plain, B:273
aspinatum, *Membranophoridium*, New Jersey Coastal Plain, B:130
astralis, *Biantholithus*, New Jersey Coastal Plain, B:93, 97
atlanticus, *Nonionellina*, New Jersey Coastal Plain, B:175, 198
auriculata, *Globobulimina*, New Jersey Coastal Plain, B:83, 191–192, 199–201
auris, *Nonionellina*, New Jersey Coastal Plain, B:85, 192, 198, 200
- Bairdoppilata* sp., New Jersey Coastal Plain, B:289
barbadiensis, *Discoaster*
 Cape May Site, A:26
 New Jersey Coastal Plain, B:97–98, 103, 253
barleeianum, *Melonis*, New Jersey Coastal Plain, B:246–247
Batiacasphaera sphaerica Zone, New Jersey Coastal Plain, B:135
beccariiiformis, *Stensioina*
 Island Beach borehole, B:18
 New Jersey Coastal Plain, B:234, 308
beckmanni, *Globigerapsis*, New Jersey Coastal Plain, B:116, 118
Betula, New Jersey Coastal Plain, B:278–280, 284
Biantholithus astralis, New Jersey Coastal Plain, B:93, 97
biffii, *Distatodinium*, New Jersey Coastal Plain, B:130
bigelowii, *Braarudosphaera*, New Jersey Coastal Plain, B:96–97
bijugatus, *Zygrhablithus*, New Jersey Coastal Plain, B:97, 103, 110
binodosus, *Discoaster*, New Jersey Coastal Plain, B:92
bisecta, *Reticulofenestra*
 Atlantic Coastal Plain, B:84
 Cape May Site, A:25
bitrifida, *Rhombaster*, New Jersey Coastal Plain, B:98
- Blackites gladius*, New Jersey Coastal Plain, B:238
Blackites herculesii n. comb., New Jersey Coastal Plain, B:102, 110
blanpiedi, *Hanzawaia*, New Jersey Coastal Plain, B:213, 217–218, 221, 232
Bolivina paula, New Jersey Coastal Plain, B:83, 192, 198–201
Braarudosphaera bigelowii, New Jersey Coastal Plain, B:96–97
Brachycythere n. sp. 1, New Jersey Coastal Plain, B:289–290, 292
bradyi, *Trifarina*, New Jersey Coastal Plain, B:83, 191–192, 199–200, 202
bramlettei, *Marthasterites*, New Jersey Coastal Plain, B:98
bramlettei, *Rhombaster*, New Jersey Coastal Plain, B:92, 94, 99–100, 106
bramlettei, *Tribrachiatulus*, New Jersey Coastal Plain, B:98–100, 103, 233, 307–308
brazieri, *Globigerina*, Cape May Site, A:24
Buccella spp., New Jersey Coastal Plain, B:178
Bulimina alazanensis, New Jersey Coastal Plain, B:247
Bulimina cacumenata, New Jersey Coastal Plain, B:273
Bulimina gracilis
 Cape May Site, A:23
 New Jersey Coastal Plain, B:83, 85, 172, 174–180, 191–192, 198, 201–202
Bulimina gracilis Biofacies, New Jersey Coastal Plain, B:175
Bulimina hornerstownensis, New Jersey Coastal Plain, B:272–273, 313
Bulimina jacksonensis, New Jersey Coastal Plain, B:199, 247
Bulimina jacksonensis Biofacies, New Jersey Coastal Plain, B:247, 260–261
Bulimina macilenta, New Jersey Coastal Plain, B:234
Bulimina midwayensis, New Jersey Coastal Plain, B:272, 313
Bulimina quadrata, New Jersey Coastal Plain, B:272–273
Bulimina spp.
 Cape May Site, A:18
 New Jersey Coastal Plain, B:272
Bulimina whitei, New Jersey Coastal Plain, B:213
Buliminella curta, New Jersey Coastal Plain, B:83, 191–192, 198, 201
bullbrooki, *Acarinina*, New Jersey Coastal Plain, B:116, 118
- cacumenata*, *Bulimina*, New Jersey Coastal Plain, B:273
caduceus, *Sceptroneis*, Cape May Site, A:26
calcitrapa, *Rhombaster*, New Jersey Coastal Plain, B:98
Caligodinium amiculum, New Jersey Coastal Plain, B:130
callosus, *Toweius*, New Jersey Coastal Plain, B:92
campanula, *Heteraulacacysta*, New Jersey Coastal Plain, B:135
Campylosphaera dela, New Jersey Coastal Plain, B:92–94
Cannosphaeropsis passio, New Jersey Coastal Plain, B:132, 139, 141
cantharellus, *Cordosphaeridium*, New Jersey Coastal Plain, B:131, 135, 137, 140–141
capitatus, *Gavelinella*, New Jersey Coastal Plain, B:214, 217, 232, 235
carinatus, *Triquetrorhabdulus*, Cape May Site, A:25
carseyae, *Planoglobulina*, New Jersey Coastal Plain, B:112
- Carya*, New Jersey Coastal Plain, B:278–280, 282–284
Castanea, New Jersey Coastal Plain, B:278, 285
centrocarpum group, *Operculodinium*, New Jersey Coastal Plain, B:130–131
Ceratobulimina eximia, New Jersey Coastal Plain, B:246
Cerebrocysta satchelliae, New Jersey Coastal Plain, B:131, 135
cerroazulensis, *Turborotalia*
 Cape May Site, A:24–25
 New Jersey Coastal Plain, B:82, 116, 118, 230, 251
cerroazulensis cerroazulensis, *Turborotalia*, New Jersey Coastal Plain, B:195–196
cerroazulensis cocoaensis, *Turborotalia*, Cape May Site, A:25
cerroazulensis cunialensis, *Turborotalia*, Cape May Site, A:25
cerroazulensis pomeroli, *Turborotalia*, New Jersey Coastal Plain, B:118, 245, 253
Chenopodium, New Jersey Coastal Plain, B:285
Chiasmolithus gigas, New Jersey Coastal Plain, B:238
Chiloguembelina crinita, New Jersey Coastal Plain, B:116
Chiloguembelina cubensis
 Cape May Site, A:25
 New Jersey Coastal Plain, B:118–119, 194, 197
Chiloguembelina midwayensis, New Jersey Coastal Plain, B:114
Chiloguembelina spp., New Jersey Coastal Plain, B:116
Chiropteridium galea, New Jersey Coastal Plain, B:130–131, 135, 137
Chiropteridium galea Zone, New Jersey Coastal Plain, B:130
Cibicides mortoni, New Jersey Coastal Plain, B:273, 313
Cibicides neelyi, New Jersey Coastal Plain, B:273
Cibicides primulus, New Jersey Coastal Plain, B:85, 176
Cibicides simplex, New Jersey Coastal Plain, B:272
Cibicides spp., New Jersey Coastal Plain, B:179, 191, 198
Cibicidina praeconcentricus, New Jersey Coastal Plain, B:213, 218, 220, 232
Cibicidoides aff. *subspiratus*, New Jersey Coastal Plain, B:213, 216, 218–220, 232, 235
Cibicidoides alleni, New Jersey Coastal Plain, B:271–272
Cibicidoides cf. *mimulus*, New Jersey Coastal Plain, B:213, 216, 232, 234
Cibicidoides cf. *praemundulus*, New Jersey Coastal Plain, B:213, 216, 218–220, 232
Cibicidoides cf. *pseudoungerianus*, New Jersey Coastal Plain, B:232
Cibicidoides cf. *subspiratus*, New Jersey Coastal Plain, B:236
Cibicidoides cocoaensis, New Jersey Coastal Plain, B:213, 217, 219, 221, 232, 235–236, 246, 306
Cibicidoides eocaena, New Jersey Coastal Plain, B:214, 216–217, 219–220, 232, 235, 306
Cibicidoides hilgardi, New Jersey Coastal Plain, B:272–273, 313
Cibicidoides micrus, New Jersey Coastal Plain, B:213
Cibicidoides pippeni, New Jersey Coastal Plain, B:213, 216–218, 221, 232
Cibicidoides pseudoungerianus, New Jersey

- Coastal Plain, B:213, 216–217, 219, 221, 236
- Cibicidoides speciosus*, New Jersey Coastal Plain, B:246–247, 251
- Cibicidoides speciosus* Biofacies, New Jersey Coastal Plain, B:246, 251–253
- Cibicidoides* spp., Cape May Site, A:19; B:7, 234
- Cibicidoides subspiratus*, New Jersey Coastal Plain, B:213, 216, 218–220, 232, 237
- claibornensis*, *Siphonina*, New Jersey Coastal Plain, B:213, 216, 218–220, 232, 236–237
- Clethra*, New Jersey Coastal Plain, B:279
- clineae*, *Geonettia*, New Jersey Coastal Plain, B:135, 140
- cocoaensis*, *Cibicidoides*, New Jersey Coastal Plain, B:213, 217, 219, 221, 232, 235–236, 246, 306
- colei*, *Dentalina*, New Jersey Coastal Plain, B:273
- columbiana*, *Guembelitra*, New Jersey Coastal Plain, B:116
- communis*, *Curfsina*, New Jersey Coastal Plain, B:289–290, 292
- Compositae*, New Jersey Coastal Plain, B:285
- compressa*, *Globanomalina*, New Jersey Coastal Plain, B:114
- conerae*, *Stoveracysta*, New Jersey Coastal Plain, B:131
- conicotruncata*, *Morozovella*, New Jersey Coastal Plain, B:114
- continua*, *Neogloboquadrina*, Cape May Site, A:24
- contortus*, *Rhomboaster*, New Jersey Coastal Plain, B:92–93, 95, 99, 107
- contortus*, *Tribrachiatius*, New Jersey Coastal Plain, B:233–234
- convexa*, *Osangularia*, New Jersey Coastal Plain, B:272–273, 313
- Cordosphaeridium cantharellus*, New Jersey Coastal Plain, B:131, 135, 137, 140–141
- Coscinodiscus lewianus*, Cape May Site, A:26
- Coscinodiscus lewianus* Zone, New Jersey Coastal Plain, B:161–165
- Coscinodiscus yabei* Zone, New Jersey Coastal Plain, B:161–165
- Cousteaudinium aubryae* Zone, New Jersey Coastal Plain, B:131, 135
- cretacea*, *Guembelitra*, New Jersey Coastal Plain, B:113–114
- Cribrocentrum reticulatum*, New Jersey Coastal Plain, B:247
- Cribrorhantkenina inflata*
Cape May Site, A:25
New Jersey Coastal Plain, B:118
- Cribrorperidium tenuitubulatum*, New Jersey Coastal Plain, B:130
- crinita*, *Chiloguembelina*, New Jersey Coastal Plain, B:116
- cubensis*, *Chiloguembelina*
Cape May Site, A:25
New Jersey Coastal Plain, B:118–119, 194, 197
- cunialensis*, *Turborotalia*, New Jersey Coastal Plain, B:122
- Curfsina communis*, New Jersey Coastal Plain, B:289–290, 292
- curta*, *Buliminella*, New Jersey Coastal Plain, B:83, 191–192, 198, 201
- cuspidis*, *Rhomboaster*, New Jersey Coastal Plain, B:98–100, 103
- Cyclagelosphaera prima*, New Jersey Coastal Plain, B:109
- Cyclopsiella elliptica/granosa* complex, New Jersey Coastal Plain, B:132
- Cyrella*, New Jersey Coastal Plain, B:278
- "*Cythereis*" n. sp. 1, New Jersey Coastal Plain, B:288–289
- Cytherella* spp., New Jersey Coastal Plain, B:289
- Cytherelloidea* n. sp. 1, New Jersey Coastal Plain, B:290
- Cytherelloidea* spp., New Jersey Coastal Plain, B:289
- daubjergensis*, *Globoconusa*, New Jersey Coastal Plain, B:114
- decoraptura*, *Globigerina*, Cape May Site, A:24
- Deflandrea phosphoritica*, New Jersey Coastal Plain, B:130, 137
- dela*, *Campylosphaera*, New Jersey Coastal Plain, B:92–94
- delectabile*, *Erymnodinium*, New Jersey Coastal Plain, B:132, 135, 141
- Delphineis novaecaesaraea*
Cape May Site, A:26
New Jersey Coastal Plain, B:161–165
- Delphineis penelliptica*
Cape May Site, A:26
New Jersey Coastal Plain, B:161–165
- Dentalina colei*, New Jersey Coastal Plain, B:273
- Denticulopsis hustedii*
Cape May Site, A:26
New Jersey Coastal Plain, B:161–165
- diastypus*, *Discoaster*, New Jersey Coastal Plain, B:92
- digitalis* n. comb., *Rhomboaster*, New Jersey Coastal Plain, B:102–103, 107
- Discoaster barbadiensis*
Cape May Site, A:26
New Jersey Coastal Plain, B:97–98, 103, 253
- Discoaster binodosus*, New Jersey Coastal Plain, B:92
- Discoaster diastypus*, New Jersey Coastal Plain, B:92
- Discoaster lenticularis*, New Jersey Coastal Plain, B:92
- Discoaster limbatus*, New Jersey Coastal Plain, B:109
- Discoaster lodoensis*, New Jersey Coastal Plain, B:92, 236–237
- Discoaster mediusus*, New Jersey Coastal Plain, B:92
- Discoaster multiradiatus*, New Jersey Coastal Plain, B:92–93, 97–98
- Discoaster saipanensis*
Cape May Site, A:26
New Jersey Coastal Plain, B:196, 245, 251
- Discoaster sublodoensis*, New Jersey Coastal Plain, B:237–238
- Discorbis huneri*, New Jersey Coastal Plain, B:213, 216
- dissona*, *Planularia*, New Jersey Coastal Plain, B:272
- Distatodinium biffii*, New Jersey Coastal Plain, B:130
- Distatodinium biffii* Zone, New Jersey Coastal Plain, B:135
- Distatodinium paradoxum*, New Jersey Coastal Plain, B:131, 135, 140–141
- dubius*, *Neococcolithus*, New Jersey Coastal Plain, B:110
- editus*, *Sphenolithus*, New Jersey Coastal Plain, B:110
- elegans*, *Hoeglundina*, New Jersey Coastal Plain, B:246
- Ellipsolithus macellus*, New Jersey Coastal Plain, B:97, 109
- Ellipsolithus* sp., New Jersey Coastal Plain, B:102, 109
- Ellipsonodosaria plummerae*, New Jersey Coastal Plain, B:272–273
- elliptica/granosa* complex, *Cyclopsiella*, New Jersey Coastal Plain, B:132
- elongata*, *Uvigerina*, New Jersey Coastal Plain, B:191, 200–201, 213
- Elphidium* Biofacies, New Jersey Coastal Plain, B:174
- Elphidium* spp.
Cape May Site, A:13, 18
New Jersey Coastal Plain, B:172, 174, 178–180
- eminens* var. *eminens*, *Toweius*, New Jersey Coastal Plain, B:93, 103
- eminens* var. *tovae*, *Toweius*, New Jersey Coastal Plain, B:93
- Engelhardia*, New Jersey Coastal Plain, B:278–280
- eobulloides*, *Eoglobigerina*, New Jersey Coastal Plain, B:114
- eocaena*, *Cibicidoides*, New Jersey Coastal Plain, B:214, 216–217, 219–220, 232, 235, 306
- eocenica*, *Siphonina*, New Jersey Coastal Plain, B:246–247
- Eoglobigerina eobulloides*, New Jersey Coastal Plain, B:114
- Ephedra*, New Jersey Coastal Plain, B:285
- Epistominella minuta*, New Jersey Coastal Plain, B:213
- Epistominella pontoni*, New Jersey Coastal Plain, B:191–192, 198–201
- Epistominella* spp., New Jersey Coastal Plain, B:198
- Eponides jacksonensis*, New Jersey Coastal Plain, B:217, 232, 235
- Eponides* sp., New Jersey Coastal Plain, B:214
- Erymnodinium delectabile*, New Jersey Coastal Plain, B:132, 135, 141
- eximia*, *Ceratobulimina*, New Jersey Coastal Plain, B:246
- Exochosphaeridium insigne*, New Jersey Coastal Plain, B:131, 135, 137–138, 140–141
- expansa*, *Osangularia*, New Jersey Coastal Plain, B:213, 216, 232, 234
- Fagus*, New Jersey Coastal Plain, B:279–280
- Fasciculithus alanii*, New Jersey Coastal Plain, B:93–94
- Fasciculithus schaubii*, New Jersey Coastal Plain, B:93, 109
- Fasciculithus sidericus*, New Jersey Coastal Plain, B:109
- Fasciculithus* spp., New Jersey Coastal Plain, B:92
- Fasciculithus thomasii*, New Jersey Coastal Plain, B:109
- Fasciculithus tympaniformis*, New Jersey Coastal Plain, B:274
- Filisphaera microornata*, New Jersey Coastal Plain, B:137
- formosa formosa*, *Morozovella*, New Jersey Coastal Plain, B:116, 235–237, 307
- frequens*, *Nephrolithus*, New Jersey Coastal Plain, B:288–289
- frontosa*, *Subbotina*, New Jersey Coastal Plain, B:116
- fructicosa*, *Racemiguembelina*, New Jersey Coastal Plain, B:288
- fulgens*, *Nannotetrina*, New Jersey Coastal Plain, B:238
- galea*, *Chiropteridium*, New Jersey Coastal Plain, B:130–131, 135, 137

- gansseri*, *Gansserina*, New Jersey Coastal Plain, B:112, 114, 288
- Gansserina gansseri*, New Jersey Coastal Plain, B:112, 114, 288
- Gavelinella capitatus*, New Jersey Coastal Plain, B:214, 217, 232, 235
- Geonettia clineae*, New Jersey Coastal Plain, B:135, 140
- gibba*, *Globulina*, New Jersey Coastal Plain, B:272
- gigas*, *Chiasmolithus*, New Jersey Coastal Plain, B:238
- glabrans*, *Uvigerina*, New Jersey Coastal Plain, B:198
- gladius*, *Blackites*, New Jersey Coastal Plain, B:238
- Glaphyrocysta* spp., New Jersey Coastal Plain, B:135
- Globanomalina compressa*, New Jersey Coastal Plain, B:114
- Globanomalina imitata*, New Jersey Coastal Plain, B:114
- Globanomalina planocompressa*, New Jersey Coastal Plain, B:114
- Globanomalina pseudomenardi*, New Jersey Coastal Plain, B:114–115, 274
- Globanomalina* spp., New Jersey Coastal Plain, B:116
- Globigerapsis beckmanni*, New Jersey Coastal Plain, B:116, 118
- Globigerapsis index*, New Jersey Coastal Plain, B:118, 253
- Globigerapsis kugleri*, New Jersey Coastal Plain, B:238
- Globigerina angulisuturalis*, New Jersey Coastal Plain, B:119, 122, 172, 194, 303
- Globigerina brazieri*, Cape May Site, A:24
- Globigerina decoraptura*, Cape May Site, A:24
- Globigerina* spp., Cape May Site, A:19, 24
- Globigerinatheka mexicana kugleri*, New Jersey Coastal Plain, B:116
- Globigerinatheka subconglobata subconglobata*, New Jersey Coastal Plain, B:116
- Globigerinelloides* spp., New Jersey Coastal Plain, B:113
- Globigerinoides altiapertura*, New Jersey Coastal Plain, B:172
- Globigerinoides altiapertura*, Cape May Site, A:24; B:186
- Globigerinoides primordius*, New Jersey Coastal Plain, B:122
- Globigerinoides* spp., Cape May Site, A:24
- Globobulimina auriculata*, New Jersey Coastal Plain, B:83, 191–192, 199–201
- Globobulimina ovata*, New Jersey Coastal Plain, B:213, 218, 220, 232, 246–247, 249
- Globobulimina ovata* Biofacies, New Jersey Coastal Plain, B:246–247, 251, 254–255
- Globocassidulina subglobosa*, New Jersey Coastal Plain, B:83, 191–192, 198–202
- Globoconella praescitula*
Cape May Site, A:24
New Jersey Coastal Plain, B:122
- Globoconusa daubjergensis*, New Jersey Coastal Plain, B:114
- Globorotalia* cf. *pseudokugleri*, Cape May Site, A:25
- Globorotalia incognita*, Cape May Site, A:24
- Globorotalia pseudokugleri*
Cape May Site, A:25
New Jersey Coastal Plain, B:122
- Globorotanelia praescitula*, New Jersey Coastal Plain, B:172
- Globulina gibba*, New Jersey Coastal Plain, B:272
- Globulina problema*, New Jersey Coastal Plain, B:272
- Globulina* spp., New Jersey Coastal Plain, B:272
- glorianum*, *Trinovantedinium*, New Jersey Coastal Plain, B:132, 141
- golzowense*, *Palaeocystodinium*, New Jersey Coastal Plain, B:135, 141
- Gordonia*, New Jersey Coastal Plain, B:279, 285
- gracilis*, *Bulimina*
Cape May Site, A:23
New Jersey Coastal Plain, B:83, 85, 172, 174–180, 191–192, 198, 201–202
- gracilis*, *Spiroplectammina*, Atlantic Coastal Plain, B:85, 192, 198, 200
- Gramineae*, New Jersey Coastal Plain, B:285
- granti*, *Nodosaria*, New Jersey Coastal Plain, B:273
- granulata*, *Nitzschia*, Cape May Site, A:13–14, 26
- grateloupi*, *Nonionellina*, New Jersey Coastal Plain, B:174–175
- Guembelitra columbiana*, New Jersey Coastal Plain, B:116
- Guembelitra cretacea*, New Jersey Coastal Plain, B:113–114
- Guembelitra* spp., New Jersey Coastal Plain, B:112, 116
- Gyroidinoides octocameratus*, New Jersey Coastal Plain, B:213, 218, 220, 232, 247
- Gyroidinoides octocameratus* Biofacies, New Jersey Coastal Plain, B:247, 256–257
- Gyroidinoides soldanii*, New Jersey Coastal Plain, B:192, 201
- Gyroidinoides subangulata*, New Jersey Coastal Plain, B:272–273, 313
- Habibacysta tectata*, New Jersey Coastal Plain, B:132, 135, 139, 141
- hamulatum*, *Sumatradinium*, New Jersey Coastal Plain, B:131
- Hantkenina alabamensis*, New Jersey Coastal Plain, B:118
- Hantkenina nuttalli*, New Jersey Coastal Plain, B:116
- Hantkenina* spp.
Atlantic Coastal Plain, B:82, 195, 245, 251, 253
Cape May Site, A:24
Island Beach borehole, B:18
- Hanzawaia blaspiedi*, New Jersey Coastal Plain, B:213, 217–218, 221, 232
- Hanzawaia* cf. *Hanzawaia hughesi*, New Jersey Coastal Plain, B:174, 177–180
- Hanzawaia* cf. *Hanzawaia hughesi* Biofacies, New Jersey Coastal Plain, B:174
- Hanzawaia mauricensis*, New Jersey Coastal Plain, B:213
- Hanzawaia* spp.
Cape May borehole, A:18
New Jersey Coastal Plain, B:198, 201, 247
- harpagonium*, *Trinovantedinium*, New Jersey Coastal Plain, B:132, 135
- Hedbergella monmouthensis*
Island Beach borehole, B:16
New Jersey Coastal Plain, B:114
- Helicosphaera ampliapertura*, Cape May Site, A:25
- Helicosphaera recta*, Atlantic Coastal Plain, B:84
- Heliolithus riedelii*, Atlantic Coastal Plain, B:93
- Heliolithus universus*, Atlantic Coastal Plain, B:93
- heliopelta*, *Actinocyclus*, Cape May Site, A:26
- herculea*, *Rhabdosphaera*, New Jersey Coastal Plain, B:102–103
- herculesii* n. comb., *Blackites*, New Jersey Coastal Plain, B:102, 110
- Heteraulacacysta campanula*, New Jersey Coastal Plain, B:135
- Heterohelix* spp., New Jersey Coastal Plain, B:113
- heteromorphus*, *Sphenolithus*, Cape May Site, A:25
- hilgardi*, *Cibicidoides*, New Jersey Coastal Plain, B:272–273, 313
- Hoeglundina elegans*, New Jersey Coastal Plain, B:246
- Holodiscolithus macroporus*, New Jersey Coastal Plain, B:109
- Holodiscolithus solidus*, New Jersey Coastal Plain, B:109
- Homotryblium vallum/plectilum* complex, New Jersey Coastal Plain, B:130, 135
- hornerstowmensis*, *Bulimina*, New Jersey Coastal Plain, B:272–273, 313
- Hornibrookina arca*, New Jersey Coastal Plain, B:93, 103, 110
- hughesi*, *Hanzawaia* cf. *Hanzawaia*, New Jersey Coastal Plain, B:174, 177–180
- hunei*, *Discorbis*, New Jersey Coastal Plain, B:213, 216
- hustedtii*, *Denticulopsis*
Cape May Site, A:26
New Jersey Coastal Plain, B:161–165
- Hystrichosphaeropsis obscura*, New Jersey Coastal Plain, B:135, 142
- Hystrichosphaeropsis obscura* Zone, New Jersey Coastal Plain, B:135
- Igorina pusilla*, New Jersey Coastal Plain, B:114, 274
- Ilex*, New Jersey Coastal Plain, B:278
- imitata*, *Globanomalina*, New Jersey Coastal Plain, B:114
- Impagidinium minor*, New Jersey Coastal Plain, B:130
- incognita*, *Globorotalia*, Cape May Site, A:24
- inconspicua*, *Pararotalia*, New Jersey Coastal Plain, B:213
- index*, *Globigerapsis*, New Jersey Coastal Plain, B:118, 253
- inflata*, *Cribrorhantkenina*
Cape May Site, A:25
New Jersey Coastal Plain, B:118
- inflata*, *Rhabdosphaera*, New Jersey Coastal Plain, B:238
- ingens*, *Actinocyclus*, New Jersey Coastal Plain, B:161–165
- insigne*, *Exochosphaeridium*, New Jersey Coastal Plain, B:131, 135, 137–138, 140–141
- Isthmolitus recurvus*, New Jersey Coastal Plain, B:118, 238, 253
- jacksonensis*, *Bulimina*, New Jersey Coastal Plain, B:199, 247
- jacksonensis*, *Eponides*, New Jersey Coastal Plain, B:217, 232, 235
- juncea*, *Uvigerina*, New Jersey Coastal Plain, B:83, 175, 191–192, 199–201
- juvenilis*, *Tenuitella*, New Jersey Coastal Plain, B:119
- Krithe* sp., New Jersey Coastal Plain, B:289
- kugleri*, *Globigerapsis*, New Jersey Coastal Plain, B:238
- Labyrinthodinium truncatum*, New Jersey Coastal Plain, B:131, 135, 140–141
- Labyrinthodinium truncatum modicum*, New Jersey Coastal Plain, B:131, 135
- Labyrinthodinium truncatum truncatum*, New Jersey Coastal Plain, B:140
- laticinctum*, *Pentadinium*, New Jersey Coastal

- Plain, B:135
lehneri, *Morozovella*, New Jersey Coastal Plain, B:118
lenticularis, *Discoaster*, New Jersey Coastal Plain, B:92
Lenticulina cf. *limbosus*, New Jersey Coastal Plain, B:246–247
Lenticulina midwayensis, New Jersey Coastal Plain, B:213, 272–273, 313
Lenticulina spp., New Jersey Coastal Plain, B:271–272
Lenticulina turbinata, New Jersey Coastal Plain, B:272–273
lewsianius, *Coscinodiscus*, Cape May Site, A:26
limbatus, *Discoaster*, New Jersey Coastal Plain, B:109
limbosus, *Lenticulina* cf., New Jersey Coastal Plain, B:246–247
linaperta, *Subbotina*, New Jersey Coastal Plain, B:116
Lingulodinium machaerophorum, New Jersey Coastal Plain, B:130–131, 135
Liquidambar, New Jersey Coastal Plain, B:278, 284
Lithraphidites quadratus, New Jersey Coastal Plain, B:288
lodoensis, *Discoaster*, New Jersey Coastal Plain, B:92, 236–237
longiscata, *Nodosaria*, New Jersey Coastal Plain, B:273
Lophodolichus nascens, New Jersey Coastal Plain, B:92–94
lozanoi, *Subbotina*, New Jersey Coastal Plain, B:116
- macellus*, *Ellipsolithus*, New Jersey Coastal Plain, B:97, 109
machaerophorum, *Lingulodinium*, New Jersey Coastal Plain, B:130–131, 135
macilenta, *Bulimina*, New Jersey Coastal Plain, B:234
macroporus, *Holodiscolithus*, New Jersey Coastal Plain, B:109
Magnolia, New Jersey Coastal Plain, B:285
Marginulinopsis tuberculata, New Jersey Coastal Plain, B:273
Marthasterites bramlettei, New Jersey Coastal Plain, B:98
marylandicus, *Rhaphidodiscus*, New Jersey Coastal Plain, B:161–165
mauricensis, *Hanzawaia*, New Jersey Coastal Plain, B:213
mayaroensis, *Abathomphalus*, New Jersey Coastal Plain, B:113
mayeri, *Neogloboquadrina*, Cape May Site, A:24
mayeri, *Paragloborotalia*, New Jersey Coastal Plain, B:172
medius, *Discoaster*, New Jersey Coastal Plain, B:92
Melonis barleeaanum, New Jersey Coastal Plain, B:246–247
Membranilarnacia? picena, New Jersey Coastal Plain, B:131
Membranophoridium aspinatum, New Jersey Coastal Plain, B:130
Mercenaria, New Jersey Coastal Plain, B:355–357
mexicana kugleri, *Globigerinatheka*, New Jersey Coastal Plain, B:116
micra, *Pseudohastigerina*, New Jersey Coastal Plain, B:118
Micrantholithus spp., New Jersey Coastal Plain, B:96–97
microornata, *Filisphaera*, New Jersey Coastal Plain, B:137
- micrus*, *Cibicidoides*, New Jersey Coastal Plain, B:213
midwayensis, *Adhaerentia*, New Jersey Coastal Plain, B:272–273
midwayensis, *Alabamina*, New Jersey Coastal Plain, B:272–273, 313
midwayensis, *Bulimina*, New Jersey Coastal Plain, B:272, 313
midwayensis, *Chiloguembelina*, New Jersey Coastal Plain, B:114
midwayensis, *Lenticulina*, New Jersey Coastal Plain, B:213, 272–273, 313
midwayensis, *Tritaxia*, New Jersey Coastal Plain, B:273, 313
mimulus, *Cibicidoides* cf., New Jersey Coastal Plain, B:213, 216, 232, 234
minor, *Impagidinium*, New Jersey Coastal Plain, B:130
minuta, *Epistominella*, New Jersey Coastal Plain, B:213
modeloensis, *Uvigerina*, New Jersey Coastal Plain, B:175
Momipites, New Jersey Coastal Plain, B:278–279
monmouthensis, *Hedbergella*
 Island Beach borehole, B:16
 New Jersey Coastal Plain, B:114
Morozovella acuta, New Jersey Coastal Plain, B:116, 234, 307–308
Morozovella angulata, New Jersey Coastal Plain, B:114, 274
Morozovella aragonensis, New Jersey Coastal Plain, B:116, 118, 236, 238
Morozovella conicotruncata, New Jersey Coastal Plain, B:114
Morozovella formosa formosa, New Jersey Coastal Plain, B:116, 235–237, 307
Morozovella lehneri, New Jersey Coastal Plain, B:118
Morozovella spinulosa, New Jersey Coastal Plain, B:116
Morozovella spp., New Jersey Coastal Plain, B:239
Morozovella subbotinae, New Jersey Coastal Plain, B:115
Morozovella velascoensis, New Jersey Coastal Plain, B:114–115, 307–308
mortoni, *Cibicides*, New Jersey Coastal Plain, B:273, 313
- Mulinia* spp.
 Cape May Site, A:13
 New Jersey Coastal Plain, B:355–357
multipora, *Venia*, New Jersey Coastal Plain, B:288, 291–292
multiradiatus, *Discoaster*, New Jersey Coastal Plain, B:92–93, 97–98
multistriata, *Uvigerina*, New Jersey Coastal Plain, B:245, 247
munda, *Tenuitella*, New Jersey Coastal Plain, B:172
- naheolensis*, *Pseudouvigerina*, New Jersey Coastal Plain, B:272
Nannotetrina fulgens, New Jersey Coastal Plain, B:238
Nannotetrina spp., New Jersey Coastal Plain, B:238
nascens, *Lophodolichus*, New Jersey Coastal Plain, B:92–94
neelyi, *Cibicides*, New Jersey Coastal Plain, B:273
Nematosphaeropsis rigida, New Jersey Coastal Plain, B:132
Neococcolithus dubius, New Jersey Coastal Plain, B:110
Neogloboquadrina acostaensis, Cape May Site, A:17, 24
Neogloboquadrina continuosa, Cape May Site, A:24
Neogloboquadrina mayeri, Cape May Site, A:24
Nephrolithus frequens, New Jersey Coastal Plain, B:288–289
Nephrolithus frequens Zone, Island Beach borehole, B:16
 new taxa, New Jersey Coastal Plain, B:103, 108, 290
Nitzschia granulata, Cape May Site, A:13–14, 26
Nitzschia pizarrensis, Cape May Site, A:23
nodifera, *Trifarina*, New Jersey Coastal Plain, B:199
Nodosaria arkansana, New Jersey Coastal Plain, B:273
Nodosaria granti, New Jersey Coastal Plain, B:273
Nodosaria longiscata, New Jersey Coastal Plain, B:273
Nodosaria paleocenica, New Jersey Coastal Plain, B:273, 313
Nodosaria ?pseudoaculeata, New Jersey Coastal Plain, B:272–273
Nonionellina atlanticus, New Jersey Coastal Plain, B:175, 198
Nonionellina auris, New Jersey Coastal Plain, B:85, 192, 198, 200
Nonionellina Biofacies, New Jersey Coastal Plain, B:174–175
Nonionellina grateloupi, New Jersey Coastal Plain, B:174–175
Nonionellina pizarrensis, New Jersey Coastal Plain, B:83, 86, 174–178, 191–192, 198, 201
Nonionellina spp., New Jersey Coastal Plain, B:172, 174, 177–180
novaecaesaraea, *Delphineis*
 Cape May Site, A:26
 New Jersey Coastal Plain, B:161–165
nutalli, *Hantkenina*, New Jersey Coastal Plain, B:116
nutalli, *Uvigerina*, New Jersey Coastal Plain, B:83, 198, 247, 249, 253
Nymphaea, New Jersey Coastal Plain, B:285
Nyssa, New Jersey Coastal Plain, B:278, 285
- obscura*, *Hystrichosphaeropsis*, New Jersey Coastal Plain, B:135, 142
occultatus, *Toweius*, New Jersey Coastal Plain, B:92, 94
octocameratus, *Gyroidinoides*, New Jersey Coastal Plain, B:213, 218, 220, 232, 247
Operculodinium centrocarpum group, New Jersey Coastal Plain, B:130–131
Operculodinium spp., New Jersey Coastal Plain, B:130
opima nana, *Paragloborotalia*, New Jersey Coastal Plain, B:119, 172
opima opima, *Paragloborotalia*
 Cape May Site, A:25
 New Jersey Coastal Plain, B:119, 122, 194, 197
opina, *Xestoleberis*, New Jersey Coastal Plain, B:291
Oridorsalis umbonatus, New Jersey Coastal Plain, B:247
orthostylus, *Rhombosaster*, New Jersey Coastal Plain, B:92–93, 95, 99, 108
orthosylus, *Tribrachiatius*, New Jersey Coastal Plain, B:98–99, 235–236, 307
Osangularia convexa, New Jersey Coastal Plain, B:272–273, 313
Osangularia expansa, New Jersey Coastal Plain,

- B:213, 216, 232, 234
ovata, *Globobulimina*, New Jersey Coastal Plain, B:213, 218, 220, 232, 246–247, 249
- Palaeocystodinium golzowense*, New Jersey Coastal Plain, B:135, 141
Palaeocystodinium golzowense Zone, New Jersey Coastal Plain, B:135
paleocenica, *Nodosaria*, New Jersey Coastal Plain, B:273, 313
paleocenica, *Stilostomella*, New Jersey Coastal Plain, B:272–273, 313
palmerae, *Planorotalites*, New Jersey Coastal Plain, B:116, 236–237
papulum, *Trinovantedinium*, New Jersey Coastal Plain, B:132
paradoxum, *Distatodinium*, New Jersey Coastal Plain, B:131, 135, 140–141
Paragloborotalia mayeri, New Jersey Coastal Plain, B:172
Paragloborotalia opima nana, New Jersey Coastal Plain, B:119, 172
Paragloborotalia opima opima
 Atlantic Coastal Plain, B:82
 Cape May Site, A:25
 New Jersey Coastal Plain, B:119, 122, 194, 197
Paralecianiella-Acostomocystis group, New Jersey Coastal Plain, B:135
Pararotalia inconspicua, New Jersey Coastal Plain, B:213
Parasubbotina pseudobulloides, New Jersey Coastal Plain, B:114
passio, *Cannosphaeropsis*, New Jersey Coastal Plain, B:132, 139, 141
paula, *Bolivina*, New Jersey Coastal Plain, B:83, 192, 198–201
penelliptica, *Delphineis*
 Cape May Site, A:26
 New Jersey Coastal Plain, B:161–165
Pentadinium laticinctum, New Jersey Coastal Plain, B:135
phosphoritica, *Deflandrea*, New Jersey Coastal Plain, B:130, 137
Picea, New Jersey Coastal Plain, B:278–280, 282–285
picena, *Membranilarnacia?*, New Jersey Coastal Plain, B:131
Pinus, New Jersey Coastal Plain, B:278–280, 284
pippeni, *Cibicidoides*, New Jersey Coastal Plain, B:213, 216–218, 221, 232
pizarrensis, *Nitzschia*, Cape May Site, A:23
pizarrensis, *Nonionellina*, New Jersey Coastal Plain, B:83, 86, 174–178, 191–192, 198, 201
placacantha, *Systematophora*, New Jersey Coastal Plain, B:130–132, 135, 139, 141
Planera, New Jersey Coastal Plain, B:279
Planileberis? pulchra, New Jersey Coastal Plain, B:288–292
planocompressa, *Globanomalina*, New Jersey Coastal Plain, B:114
Planoglobulina carseyae, New Jersey Coastal Plain, B:112
Planoglobulina spp., New Jersey Coastal Plain, B:113, 124
Planorotalites palmerae, New Jersey Coastal Plain, B:116, 236–237
Planorotalites renzi, New Jersey Coastal Plain, B:116
Planularia dissona, New Jersey Coastal Plain, B:272
plummerae, *Ellipsonodosaria*, New Jersey Coastal Plain, B:272–273
- Podocarpus*, New Jersey Coastal Plain, B:278–279, 285
Polysphaeridium zoharyi, New Jersey Coastal Plain, B:130, 135, 137, 139–140
pomeroli, *Turborotalia*, New Jersey Coastal Plain, B:118, 122
pontoni, *Epistominella*, New Jersey Coastal Plain, B:191–192, 198–201
Populus, New Jersey Coastal Plain, B:278
Porticulusphaera semiinvoluta, New Jersey Coastal Plain, B:116, 118, 245
praeconcentricus, *Cibicidina*, New Jersey Coastal Plain, B:213, 218, 220, 232
praemundulus, *Cibicidoides* cf., New Jersey Coastal Plain, B:213, 216, 218–220, 232
Praemurica uncinata, New Jersey Coastal Plain, B:114, 274
praescitula, *Globoconella*
 Cape May Site, A:24
 New Jersey Coastal Plain, B:122
praescitula, *Globorotalia*, New Jersey Coastal Plain, B:172
prima, *Cyclagelosphaera*, New Jersey Coastal Plain, B:109
prima, *Pulsiphonina*, New Jersey Coastal Plain, B:213, 272–273
primordius, *Globigerinoides*, New Jersey Coastal Plain, B:122
primulus, *Cibicides*, New Jersey Coastal Plain, B:85, 176
primus, *Sphenolithus*, New Jersey Coastal Plain, B:97, 110
problema, *Globulina*, New Jersey Coastal Plain, B:272
?pseudocaculeata, *Nodosaria*, New Jersey Coastal Plain, B:272–273
pseudobulloides, *Parasubbotina*, New Jersey Coastal Plain, B:114
Pseudohastigerina micra, New Jersey Coastal Plain, B:118
Pseudohastigerina spp.
 Atlantic Coastal Plain, B:82, 116, 195, 234, 307
 Cape May Site, A:25
Pseudohastigerina wilcoxensis, New Jersey Coastal Plain, B:115–116
pseudokugleri, *Globorotalia*
 Cape May Site, A:25
 New Jersey Coastal Plain, B:122
pseudokugleri, *Globorotalia* cf., Cape May Site, A:25
pseudomenardii, *Globanomalina*, New Jersey Coastal Plain, B:114–115, 274
pseudoungerianus, *Cibicidoides*, New Jersey Coastal Plain, B:213, 216–217, 219, 221, 236
pseudoungerianus, *Cibicidoides* cf., New Jersey Coastal Plain, B:232
Pseudovigerina naheolensis, New Jersey Coastal Plain, B:272
Pseudovigerina triangularis, New Jersey Coastal Plain, B:273
Pterocarya, New Jersey Coastal Plain, B:278, 285
pulcher, *Transversopontis*, New Jersey Coastal Plain, B:94, 110
pulcher sensu ampl., *Transversopontis*, New Jersey Coastal Plain, B:92
pulchra, *Planileberis?*, New Jersey Coastal Plain, B:288–292
Pullenia quinqueloba, New Jersey Coastal Plain, B:272–273
Pulsiphonina prima, New Jersey Coastal Plain, B:213, 272–273
punctilifera, *Antibithocypris*, New Jersey Coastal Plain, B:289–290
- pusilla*, *Igorina*, New Jersey Coastal Plain, B:114, 274
Pyramidina subrotundata, New Jersey Coastal Plain, B:213, 218
Pyxidinospis spp., New Jersey Coastal Plain, B:135, 140
- quadrata*, *Bulimina*, New Jersey Coastal Plain, B:272–273
quadratus, *Lithraphidites*, New Jersey Coastal Plain, B:288
Quercus, New Jersey Coastal Plain, B:278–280, 282–284
quinqueloba, *Pullenia*, New Jersey Coastal Plain, B:272–273
Quinqueloculina seminulum, New Jersey Coastal Plain, B:198, 200
Quinqueloculina spp., New Jersey Coastal Plain, B:179
- Racemiguembelina fructifera*, New Jersey Coastal Plain, B:288
Racemiguembelina spp., New Jersey Coastal Plain, B:113, 124
radians, *Sphenolithus*, New Jersey Coastal Plain, B:98
recta, *Helicosphaera*, Atlantic Coastal Plain, B:84
recurvus, *Isthmolithus*, New Jersey Coastal Plain, B:118, 238, 253
renzi, *Planorotalites*, New Jersey Coastal Plain, B:116
reticulata, *Reticulofenestra*
 Cape May Site, A:26
 New Jersey Coastal Plain, B:247, 253
reticulatum, *Cribocentrum*, New Jersey Coastal Plain, B:247
Reticulofenestra abisecta, Cape May Site, A:25
Reticulofenestra bisecta
 Atlantic Coastal Plain, B:84
 Cape May Site, A:25
Reticulofenestra reticulata
 Cape May Site, A:26
 New Jersey Coastal Plain, B:247, 253
Rhabdosphaera herculea, New Jersey Coastal Plain, B:102–103
Rhabdosphaera inflata, New Jersey Coastal Plain, B:238
Rhaphidodiscus marylandicus, New Jersey Coastal Plain, B:161–165
Rhombaster bitrifida, New Jersey Coastal Plain, B:98
Rhombaster bramlettei, New Jersey Coastal Plain, B:92, 94, 99–100, 106
Rhombaster calcitrapa, New Jersey Coastal Plain, B:98
Rhombaster contortus, New Jersey Coastal Plain, B:92–93, 95, 99, 107
Rhombaster cuspis, New Jersey Coastal Plain, B:98–100, 103
Rhombaster digitalis n. comb., New Jersey Coastal Plain, B:102–103, 107
Rhombaster orthostylus, New Jersey Coastal Plain, B:92–93, 95, 99, 108
Rhombaster spineus, New Jersey Coastal Plain, B:92
Rhombaster weii n. sp., New Jersey Coastal Plain, B:103, 108
riedelii, *Heliolithus*, Atlantic Coastal Plain, B:93
rigida, *Nematosphaeropsis*, New Jersey Coastal Plain, B:132
robertsi, *Turrilina*, New Jersey Coastal Plain, B:213, 235–236
Rosita spp., New Jersey Coastal Plain, B:113, 124

- Rugoglobigerina* spp., New Jersey Coastal Plain, B:113
- saipanensis*, *Discoaster*
Cape May Site, A:26
New Jersey Coastal Plain, B:196, 245, 251
- Sapotaceae, New Jersey Coastal Plain, B:278
- satchelliae*, *Cerebrocysta*, New Jersey Coastal Plain, B:131, 135
- Scapholithus apertus*, New Jersey Coastal Plain, B:93, 110
- Sceptronites caduceus*, Cape May Site, A:26
- schaubii*, *Fasciculithus*, New Jersey Coastal Plain, B:93, 109
- Selenopemphix dionaeaecysta* Zone, New Jersey Coastal Plain, B:132
- selmensis*, *Tappanina*, New Jersey Coastal Plain, B:213, 272–273, 313
- seminivoluta*, *Porticulusphaera*, New Jersey Coastal Plain, B:116, 118, 245
- seminulum*, *Quinqueloculina*, New Jersey Coastal Plain, B:198, 200
- sidereus*, *Fasciculithus*, New Jersey Coastal Plain, B:109
- simplex*, *Cibicides*, New Jersey Coastal Plain, B:272
- Siphonina claibornensis*, New Jersey Coastal Plain, B:213, 216, 218–220, 232, 236–237
- Siphonina eocenica*, New Jersey Coastal Plain, B:246–247
- Siphonina eocenica* Biofacies, New Jersey Coastal Plain, B:246, 250–251
- soldadoensis*, *Acarinina*, New Jersey Coastal Plain, B:115
- soldanii*, *Gyroidinoides*, New Jersey Coastal Plain, B:192, 201
- solidus*, *Holodiscolithus*, New Jersey Coastal Plain, B:109
- soucouyantiae*, *Sumatradinium*, New Jersey Coastal Plain, B:131, 135, 141
- speciosus*, *Cibicidoides*, New Jersey Coastal Plain, B:246–247, 251
- Sphenolithus anarrhopus*, New Jersey Coastal Plain, B:97–98, 103
- Sphenolithus editus*, New Jersey Coastal Plain, B:110
- Sphenolithus heteromorphus*, Cape May Site, A:25
- Sphenolithus primus*, New Jersey Coastal Plain, B:97, 110
- Sphenolithus radians*, New Jersey Coastal Plain, B:98
- Sphenolithus* spp., Atlantic Coastal Plain, B:84
- spineus*, *Rhombaster*, New Jersey Coastal Plain, B:92
- Spiniferites* spp., New Jersey Coastal Plain, B:130–131, 140
- spinulosa*, *Morozovella*, New Jersey Coastal Plain, B:116
- spiridooides*, *Apteodinium*, New Jersey Coastal Plain, B:130–131, 135
- Spiroplectammina alabamensis*, New Jersey Coastal Plain, B:213
- Spiroplectammina gracilis*, Atlantic Coastal Plain, B:85, 192, 198, 200
- Spiroplectammina* spp., New Jersey Coastal Plain, B:179
- Stensioina beccariiformis*
Island Beach borehole, B:18
New Jersey Coastal Plain, B:234, 308
- Stilostomella paleocenica*, New Jersey Coastal Plain, B:272–273, 313
- Stoveracysta conerae*, New Jersey Coastal Plain, B:131
- subangulata*, *Gyroidinoides*, New Jersey Coastal Plain, B:272–273, 313
- Subbotina angiporoides*, New Jersey Coastal Plain, B:122
- Subbotina frontosa*, New Jersey Coastal Plain, B:116
- Subbotina linaperta*, New Jersey Coastal Plain, B:116
- Subbotina lozanoi*, New Jersey Coastal Plain, B:116
- Subbotina triloculinoides*, New Jersey Coastal Plain, B:114
- subbotinosa*, *Morozovella*, New Jersey Coastal Plain, B:115
- subconglobata subconglobata*, *Globigerinatheka*, New Jersey Coastal Plain, B:116
- subglobosa*, *Globocassidulina*, New Jersey Coastal Plain, B:83, 191–192, 198–202
- sublodoensis*, *Discoaster*, New Jersey Coastal Plain, B:237–238
- subrotundata*, *Pyramidina*, New Jersey Coastal Plain, B:213, 218
- subsphaerica*, *Acarinina*, New Jersey Coastal Plain, B:115
- subspiratus*, *Cibicidoides*, New Jersey Coastal Plain, B:213, 216, 218–220, 232, 237
- subspiratus*, *Cibicidoides* aff., New Jersey Coastal Plain, B:213, 216, 218–220, 232, 235
- subspiratus*, *Cibicidoides* cf., New Jersey Coastal Plain, B:236
- Sumatradinium hamulatum*, New Jersey Coastal Plain, B:131
- Sumatradinium soucouyantiae*, New Jersey Coastal Plain, B:131, 135, 141
- Sumatradinium soucouyantiae* Zone, New Jersey Coastal Plain, B:130–131, 135
- Symplocos*, New Jersey Coastal Plain, B:279, 285
- Systematophora placacantha*, New Jersey Coastal Plain, B:130–132, 135, 139, 141
- Tappanina selmensis*, New Jersey Coastal Plain, B:213, 272–273, 313
- tectata*, *Habibacysta*, New Jersey Coastal Plain, B:132, 135, 139, 141
- tectatum*, *Apteodinium*, New Jersey Coastal Plain, B:132
- tenuitabulatum*, *Cribrroperidinium*, New Jersey Coastal Plain, B:130
- Tenuitella juvenilis*, New Jersey Coastal Plain, B:119
- Tenuitella munda*, New Jersey Coastal Plain, B:172
- Tenuitella* spp., Cape May Site, A:24
- Thalassiosira yabei* Zone, New Jersey Coastal Plain, B:161–165
- thomasii*, *Fasciculithus*, New Jersey Coastal Plain, B:109
- Tilia*, New Jersey Coastal Plain, B:278–280, 284
- Toweius callosus*, New Jersey Coastal Plain, B:92
- Toweius eminens* var. *eminens*, New Jersey Coastal Plain, B:93, 103
- Toweius eminens* var. *tovae*, New Jersey Coastal Plain, B:93
- Toweius occultatus*, New Jersey Coastal Plain, B:92, 94
- Transversopontis pulcher*, New Jersey Coastal Plain, B:94, 110
- Transversopontis pulcher* sensu ampl., New Jersey Coastal Plain, B:92
- triangularis*, *Pseudouvigerina*, New Jersey Coastal Plain, B:273
- Tribrachiatum bramlettei*, New Jersey Coastal Plain, B:98–100, 103, 233, 307–308
- Tribrachiatum contortus*, New Jersey Coastal Plain, B:233–234
- Tribrachiatum orthostylus*, New Jersey Coastal Plain, B:98–99, 235–236, 307
- Trifarina angulosa*, New Jersey Coastal Plain, B:83, 191–192, 199–201
- Trifarina bradyi*, New Jersey Coastal Plain, B:83, 191–192, 199–200, 202
- Trifarina nodifera*, New Jersey Coastal Plain, B:199
- triloculinoides*, *Subbotina*, New Jersey Coastal Plain, B:114
- Trinovantedinium glorianum*, New Jersey Coastal Plain, B:132, 141
- Trinovantedinium harpagonium*, New Jersey Coastal Plain, B:132, 135
- Trinovantedinium papulum*, New Jersey Coastal Plain, B:132
- Triquetrorhabdulus carinatus*, Cape May Site, A:25
- Tritaxia midwayensis*, New Jersey Coastal Plain, B:273, 313
- truncatum*, *Labyrinthodinium*, New Jersey Coastal Plain, B:131, 135, 140–141
- truncatum modicum*, *Labyranthodinium*, New Jersey Coastal Plain, B:131, 135
- truncatum truncatum*, *Labyrinthodinium*, New Jersey Coastal Plain, B:140
- Tsuga*, New Jersey Coastal Plain, B:278–280, 282–284
- tuberculata*, *Marginulinopsis*, New Jersey Coastal Plain, B:273
- Tubuliflora*, New Jersey Coastal Plain, B:285
- turbinata*, *Lenticulina*, New Jersey Coastal Plain, B:272–273
- Turborotalia ampliapertura*
Cape May Site, A:25
New Jersey Coastal Plain, B:118, 194, 196
- Turborotalia cerroazulensis*
Cape May Site, A:24–25
New Jersey Coastal Plain, B:82, 116, 118, 230, 251
- Turborotalia cerroazulensis cerroazulensis*, New Jersey Coastal Plain, B:195–196
- Turborotalia cerroazulensis cocoaensis*, Cape May Site, A:25
- Turborotalia cerroazulensis cunialensis*, Cape May Site, A:25
- Turborotalia cerroazulensis pomeroli*, New Jersey Coastal Plain, B:118, 245, 253
- Turborotalia cunialensis*, New Jersey Coastal Plain, B:122
- Turborotalia pomeroli*, New Jersey Coastal Plain, B:118, 122
- Turrilina robertsi*, New Jersey Coastal Plain, B:213, 235–236
- tympaiformis*, *Fasciculithus*, New Jersey Coastal Plain, B:274
- Ulmus*, New Jersey Coastal Plain, B:280, 284
- umbonatus*, *Oridorsalis*, New Jersey Coastal Plain, B:247
- uncinata*, *Praemurica*, New Jersey Coastal Plain, B:114, 274
- universus*, *Heliolithus*, Atlantic Coastal Plain, B:93
- Uvigerina* Biofacies, New Jersey Coastal Plain, B:175
- Uvigerina elongata*, New Jersey Coastal Plain, B:191, 200–201, 213
- Uvigerina glabrans*, New Jersey Coastal Plain, B:198
- Uvigerina juncea*, New Jersey Coastal Plain, B:83, 175, 191–192, 199–201
- Uvigerina modeloensis*, New Jersey Coastal Plain,

B:175
Uvigerina multistriata, New Jersey Coastal Plain, B:245, 247
Uvigerina nuttalli, New Jersey Coastal Plain, B:83, 198, 247, 249, 253
Uvigerina spp., New Jersey Coastal Plain, B:170, 172, 174–179, 198–200, 244
vallum/pectilum complex, *Homotryblum*, New Jersey Coastal Plain, B:130, 135
Veenia multipora, New Jersey Coastal Plain, B:288, 291–292
velascoensis, *Morozovella*, New Jersey Coastal Plain, B:114–115, 307–308
Ventilabrella spp., New Jersey Coastal Plain, B:113, 124
weii n. sp., *Rhombaster*, New Jersey Coastal Plain, B:103, 108
welleri, *Anomalinoidea*, New Jersey Coastal Plain, B:273, 313
whitei, *Bulimina*, New Jersey Coastal Plain, B:213
wilcoensis, *Alabama*, New Jersey Coastal Plain, B:213, 217–218, 221, 232, 247
wilcoensis, *Pseudohastigerina*, New Jersey Coastal Plain, B:115–116
Xestoleberis opina, New Jersey Coastal Plain, B:291
zoharyi, *Polysphaeridium*, New Jersey Coastal Plain, B:130, 135, 137, 139–140
 zones (with letter prefix)
 CC25, B:16, 289
 CC26, B:16, 289
 CP8/CP9, New Jersey Coastal Plain, B:92
 CP9, New Jersey Coastal Plain, B:92
 DN1, New Jersey Coastal Plain, B:130, 137, 141
 DN2, New Jersey Coastal Plain, B:130–131, 135, 137, 140–141
 DN3, New Jersey Coastal Plain, B:131, 135, 137–139, 141–142
 DN3/DN4 boundary, New Jersey Coastal Plain, B:139
 DN4, New Jersey Coastal Plain, B:131, 135, 141–142
 DN4/DN5 boundary, New Jersey Coastal

Plain, B:139
 DN5, New Jersey Coastal Plain, B:132, 135, 137, 139–142
 DN6, New Jersey Coastal Plain, B:132, 137, 139–141, 143–144
 DN7, New Jersey Coastal Plain, B:132, 139–140, 142, 144
 DN8, New Jersey Coastal Plain, B:135, 137, 139–140, 142
 DN8/DN9, New Jersey Coastal Plain, B:135, 137, 140
 DN9, New Jersey Coastal Plain, B:135, 137, 140–142
 DN10, New Jersey Coastal Plain, B:142
 Ma/a1/a, New Jersey Coastal Plain, B:289
 N5, A:24; B:186
 N7, Cape May Site, A:24
 N8, Cape May Site, A:24
 N9, Cape May Site, A:24
 N10, Cape May Site, A:24
 N11, New Jersey Coastal Plain, B:161–165
 NN2–NN3 interval, Cape May Site, A:25
 NN4, Cape May Site, A:25
 NP3, B:18, 124, 271
 NP5–NP6, Island Beach borehole, B:18, 274
 NP8–NP9, Island Beach borehole, B:18
 NP9, New Jersey Coastal Plain, B:92–101
 NP9/NP10 boundary, New Jersey Coastal Plain, B:92–93, 210, 233
 NP10, New Jersey Coastal Plain, B:92–101, 211
 NP10–NP13, Island Beach borehole, B:18
 NP11, New Jersey Coastal Plain, B:92, 98–100, 211
 NP12, New Jersey Coastal Plain, B:27, 92, 98–100, 211, 236
 NP14, New Jersey Coastal Plain, B:211
 NP14–NP18, Island Beach borehole, B:18
 NP15/NP16 boundary, New Jersey Coastal Plain, B:238
 NP15b, New Jersey Coastal Plain, B:35, 37, 211
 NP15c, New Jersey Coastal Plain, B:238
 NP16, New Jersey Coastal Plain, B:35, 37, 210–211, 238
 NP17, New Jersey Coastal Plain, B:31, 37, 210
 NP18, B:18, 35, 37, 210
 NP19–NP20 interval, A:26; B:30, 245, 249

NP21, A:26; B:18, 195, 210, 245, 255
 NP22, B:18, 195
 NP23, New Jersey Coastal Plain, B:31, 196
 NP24, Cape May Site, A:25
 NP24–NP25, New Jersey Coastal Plain, B:84
 NP25, Cape May Site, A:25
 P1c, Island Beach borehole, B:18, 271
 P2, New Jersey Coastal Plain, B:114, 124
 P2–P5, Island Beach borehole, B:18
 P3, New Jersey Coastal Plain, B:114, 124
 P4, New Jersey Coastal Plain, B:114–115
 P5, New Jersey Coastal Plain, B:115, 272
 P5/P6a boundary, New Jersey Coastal Plain, B:92
 P6–P9, Island Beach borehole, B:18
 P7, New Jersey Coastal Plain, B:116, 236
 P7–P8, New Jersey Coastal Plain, B:27
 P8, New Jersey Coastal Plain, B:116
 P9, New Jersey Coastal Plain, B:116
 P9/P10 boundary, New Jersey Coastal Plain, B:116
 P10, New Jersey Coastal Plain, B:116, 124
 P10/P11 boundary, New Jersey Coastal Plain, B:116
 P11, New Jersey Coastal Plain, B:116, 124
 P12, New Jersey Coastal Plain, B:116, 118, 124
 P12–P14, New Jersey Coastal Plain, B:118
 P13, New Jersey Coastal Plain, B:116, 118
 P14, New Jersey Coastal Plain, B:116, 118
 P15, New Jersey Coastal Plain, B:116, 118, 122
 P15–P17, New Jersey Coastal Plain, B:118, 255
 P16, New Jersey Coastal Plain, B:118, 122, 245
 P17, New Jersey Coastal Plain, B:118
 P18, B:82, 118
 P18–P19, Island Beach borehole, B:18
 P19, A:23, 25; B:119, 122
 P20, A:23; B:118–119, 126
 P21a, New Jersey Coastal Plain, B:118
 P21a/P21b boundary, New Jersey Coastal Plain, B:118
 P21b, A:25; B:122, 126
 P22, A:25; B:82, 84, 119, 122
Zygrhablithus bijugatus, New Jersey Coastal Plain, B:97, 103, 110