This index covers both the Initial Reports and Scientific Results portions of Volume 188 of the Proceedings of the Ocean Drilling Program. References to page numbers in the Initial Reports are preceded by “A” followed by the chapter number with a colon (A1:) and to those in the Scientific Results (this volume) by “B” followed by the chapter number with a colon (B1:).

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

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

The Subject Index follows a standard format. Geographical, geologic, and other terms are referenced only if they are subjects of discussion. A site chapter in the Initial Reports is considered the principal reference for that site and is indicated on the first line of the site’s listing in the index. Such a reference to Site 1165, for example, is given as “Site 1165, A3:1–191.”

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

### SUBJECT INDEX

- ablation, vs. sea-surface temperature, B14:32
- accessory component
  - distribution, B4:35–37
  - foraminifers, A4:110
- advection, paleoclimatology, B14:12
- age
  - palynomorphs, B3:27
  - vs. oxygen isotopes, B1:42
  - vs. sedimentation rates, B1:42
- age vs. depth
  - Site 1165, A1:59; A3:108, 112; B1:33
  - Site 1166, A4:67
- aggradation, stratigraphy, B1:8–9
- alkalinity
  - carbon dioxide reduction zone, A3:45
  - pore water, A3:43–47; A4:30; A5:23
  - rock-water reaction zone, A3:46
  - sulfate reduction zone, A3:44–45
  - vs. depth, A3:125; A4:77; A5:65; B14:10
  - vs. sulfate, A3:128
- alluvial fans, Eocene, B1:6–7
- alluvial plains
  - glaciation, B1:6
  - lithologic units, A4:14
  - seismic units, B8:5–6

- aluminum hydroxide, X-ray diffraction data, A4:16
- Amery Depression, bathymetry, A1:5
- Amery Group, palynomorphs, B2:6
- Amery Ice Shelf, glaciology, A1:6–7
- Amery Ice Shelf System. See Lambert Glacier–Amery Ice Shelf System
- ammonium
  - carbon dioxide reduction zone, A3:45
  - pore water, A3:43–47; A4:29; A5:23
  - rock-water reaction zone, A3:46
  - vs. depth, A3:125; A4:75; A5:65
- amphibole
  - lithologic units, A3:16
  - smear slides, A4:14–15
- amphibolite facies, geology, A1:7–8
- angiosperms, palynomorphs, B2:4–5; B3:11
- Antarctic Circumpolar Current, drift deposits, A1:4; B1:5
- Antarctic Convergence, palynomorphs, B2:10–11
- Antarctic Divergence
  - nannofossils, A5:17
  - ocean circulation, A1:6; B1:5
- Antarctic Ice Sheet, summary, A1:1–65
- Antarctic Peninsula, palynomorphs, B3:16–17
- Antarctica
  - palynomorphs, B3:12–13
  - summary, A1:1–65
- Antarctica E, synthesis, B1:1–42
anticlinal epidermal phytoliths, sediments, B5:4
Aptian, geology, A1:8–9
Araucariaceae, palynomorphs, B3:9, 11
Austral Conifer Woodland, palynomorphs, B3:12
authigenic carbonates. See carbonates, authigenic

B
bacteria, pore water, A3:45–46
barnacle plate, accessory component, B4:16
basement
geology, A1:7–8
structure contour maps, A1:35
basins, seismic units, B8:5
bathyal environment, deposition, B4:9–10
bathymetry, embayments, A1:5, 31; A3:10–11; B14:17
Bever Lake, geology, A1:7–8
bed thickness, impedance logs, B10:27
biogeography, palynomorphs, B3:13
biostratigraphic datums
diatoms, A3:177–178; A4:102; B6:19, 25
radiolarians, A3:178; A4:102
sedimentation rates, A4:26
biostratigraphy
diatoms, B6:1–25
nannofossils, B11:1–14
palynomorphs, B2:1–20
phytoliths, B5:1–12
principal results, A1:14
Site 1165, A3:21–38
Site 1166, A4:13–26
vs. depth, A1:42; A4:66; A5:58
zonation, B3:25
See also Southern Ocean diatom zonation
bioturbation
composite section, B12:15
lithologic units, A3:16, 20–21; A4:13–14
photograph, A3:101–102; B12:11
bituminite, lonestone, A5:11
bivalves, accessory component, B4:19
block phytoliths, unknown origin, B5:6one fragments
accessory component, A3:74–75; B4:10
See also cetacean bones
braided deltaic environment, deposition, A4:17
brightness
diffuse spectral reflectance, B13:9–11
percentages, B7:48
sediments, B7:5–7, 47
vs. age, B13:21, 26
vs. depth, B7:17–18, 20, 22; B13:21, 26
See also lightness
Brunhes Chron, magnetostratigraphy, A3:42–43; A5:22
Brunhes/Matuyama boundary
chronostratigraphy, B14:10–11
foraminifers, B13:11
bulliform phytoliths, sediments, B5:3
burrows, photograph, A3:101–102; B12:11

C
Calabrian, magnetostratigraphy, B13:24
calcareous beds, photograph, A3:94
calified beds, log signature, A3:65
calcite
Factor 1, B7:27
sediments, B14:6–7
vs. depth, B14:13
See also micrite
calcium
pore water, A4:30; A5:24
predicted depletion vs. observed, A3:129
rock-water reaction zone, A3:46
sulfate reduction zone, A3:44–45
vs. depth, A3:124–125; A4:76; A5:65; B14:10
vs. magnesium, A3:130
Campanian, palynomorphs, B2:3–4
Campanian–middle to late Eocene interval, unconformities, B3:8, 10
Cape Darnley, bathymetry, A1:5
carbon, inorganic
sedsiments, A3:49; A4:31; A5:25; B14:5–6; B16:3–4
vs. depth, A3:136; A4:79; A5:67
carbon, organic
color cycles, A3:53–54
organic matter, A4:31–32
pyrolysis, A4:105
sediments, A3:183; A5:25, 91; B16:3–4, 10
vs. depth, A1:60; A3:136; A4:79; A5:67
carbon, total
sediments, A3:49, 182; A4:31, 104; A5:25, 90; B16:3–5
vs. depth, B16:7
carbon, total organic, vs. depth, B16:7
carbon/nitrogen ratio
sediments, A4:31, 104; A5:25, 90; B16:4–5, 10
vs. carbon isotopes, B16:8
vs. depth, B16:7
carbon dioxide reduction zone, pore water, A3:45–46
carbon isotopes
authigenic carbonates, B14:5–6, 15
foraminifers, B13:11; B16:3–4, 11
kerogen, B16:3–5, 10
vs. carbon/nitrogen ratio, B16:8
vs. depth, B1:41; B13:33; B14:11; B16:7, 9
carbonate compensation depth
faunal associations, A5:15; B4:20–21
lithologic units, A3:11–12, 21
Pliocene–Pleistocene interval, B13:14
sediments, B4:13; B11:6–7
carbonate content
lithologic units, A4:9–13; A5:8–11
sediments, A5:25, 90; B7:47
spectral data, B7:4–5
vs. age, B13:21
vs. depth, B7:17–18; B13:21
carbonates
diagenesis, B1:19–20
well-logging signature, A3:65
carbonates, authigenic
  carbon isotopes, B15:5–6
  oxygen isotopes, B15:6
sediments, B15:1–15
Carboniferous, palynomorphs, B2:6
Casuarinaceae, palynomorphs, B3:15–16
Cenozoic
  geology, A1:9
  paleoclimatology, A1:2–5
  palynomorphs, B3:1–43
  phytoliths, B5:1–12
  sedimentation, A1:9–11
cetacean bones, geology, A1:9
charnockite, geology, A1:7–8
Charybdis Glacier, glaciology, A1:6–7
Chenopodiaceae, palynomorphs, B3:15
chert
  accessory component, A3:74–75; B4:11
  smear slides, A3:16–17
Chierolepidaceae, palynomorphs, B2:10
chloride
  pore water, A3:43–44; A4:30; A5:23
  rock-water reaction zone, A3:46 vs. depth, A1:52; A3:124–125; A4:78; A5:65
chlorite
  diffuse reflectance spectrophotometry, B7:9
  lithologic units, A3:13–14
  sediments, B13:11–12
  vs. depth, B13:34
  X-ray diffraction data, A4:16
See also ripidolite
Chron C1n
  biostratigraphy, B6:6
  magnetostratigraphy, A3:42–43; A5:22
Chron C1r.1n, magnetostratigraphy, A3:42–43; A5:22; B13:8
Chron C1r.1r, magnetostratigraphy, A5:22
Chron C1r.2r, magnetostratigraphy, A5:22
Chron C2An.1n, magnetostratigraphy, A4:28
Chron C2An.1r, magnetostratigraphy, A4:28
Chron C2An.3n
  biostratigraphy, B6:4
  magnetostratigraphy, A3:42–43
Chron C2n
  biostratigraphy, B6:4
  magnetostratigraphy, B13:8
Chron C2r.1n, magnetostratigraphy, A4:28
Chron C2r.1r
  biostratigraphy, B6:6
  magnetostratigraphy, A4:28
Chron C2r.2r
  biostratigraphy, B6:6
  magnetostratigraphy, A4:28
Chron C3An.1n, magnetostratigraphy, A3:42
Chron C3An.1r, magnetostratigraphy, A3:42
Chron C3An.2n, magnetostratigraphy, A3:42–43
Chron C3Ar, magnetostratigraphy, A3:42–43
Chron C3n.4n, magnetostratigraphy, A3:42–43
Chron C3r, magnetostratigraphy, A3:42–43
Chron CSABr, biostratigraphy, B4:10
Chron C5Br, magnetostratigraphy, A3:42
Chron C5Cn, magnetostratigraphy, A3:43
Chron C5Dr, biostratigraphy, B4:10, 12
Chron C6An, magnetostratigraphy, A3:43
Chron C6Ar, magnetostratigraphy, A3:43
Chron C6n, magnetostratigraphy, A3:43
Chron C6r, magnetostratigraphy, A3:43
Chron C13n, magnetostratigraphy, A4:29
chronostratigraphy
  palynomorphs, B3:12–13
  seismic facies, B14:10–11
Circumpolar Deep Water, foraminifers, A5:16
CIROS–1, palynomorphs, B3:14–16
clasts
  lithologic units, A4:9–13
  photograph, A5:44
  X-ray diffraction data, A5:12–13
clasts, bituminite, limestones, A5:11
clasts, dark organic, lithologic units, A4:10
clasts, mud
  lithologic units, A5:9–11
  photograph, A5:49
clasts, rip-up, photograph, A3:100
clasts, rock, lithologic units, A5:9–11
clay
  lithologic units, A3:15–16; A5:8–11
  photograph, A4:53–55, 57; A5:43, 50–52
  vs. depth, A5:54
  X-ray diffraction data, A3:17–18, 105–106
clay, carbonaceous, lithologic units, A4:13–14
clay, diatom
  lithologic units, A3:11–14; A4:9–11
  photograph, A3:89; A4:53–54
  photomicrograph, A3:93
clay, diatom-bearing
  lithologic units, A3:13–14
  photograph, A3:92
  photomicrograph, A3:93
clay, sandy
  lithologic units, A5:8
  photograph, A5:43
clay, silty, lithologic units, A4:9–11
clay beds
  magnetic susceptibility logs, A5:33–34
  resistivity logs, A5:33–34
clay laminae, lithologic units, A3:15–16
clay mineralogy, trough-mouth fans, B1:12
clay minerals
  composition, B13:11–12
  cyclicity, B13:12
  deposition, A5:13
  diffuse reflectance spectrophotometry, B7:10; B13:10–11
  factor score vs. depth, B7:34
  pore water, A3:47
  vs. depth, B13:34
  X-ray diffraction data, A4:15–16; A5:12–13
claystone
  lithologic units, A3:15–16, 19–21; A4:11–12; B1:4
  photograph, A3:96–102, 104
claystone, calcite-cemented, photomicrograph, A3:103
coal
diagenesis, B1:19–20
geology, A1:8–9
smear slides, A4:15
coal fragments, black, accessory component, B4:16, 19
coarse fraction
grain size, B9:10
sediments, B9:1–16
weight percentage vs. age, B9:9
weight percentages vs. depth, B9:7
Cockburn Island, palynomorphs, B3:16
coercivity
isothermal remanent magnetization, A3:115
magnetostratigraphy, A5:21–22
color bands
calibration, B12:18–19
composite section, B12:14–15, 21
iron, A3:53–54
lithologic units, A4:13–14; A5:8
photograph, A3:91–92, 138; A4:59; A5:48; B12:11–12
sediments, A3:50–54; B7:47
sensitivity test vs. depth, B12:16–17
spectral analysis, A3:52–53
vs. depth, A3:137; B1:38
See also brightness; lightness; reflectance; spectral analysis; spectrophotometry
composite section
color bands, B12:21
lithostratigraphy, B12:14–15
compressional wave velocity
sediments, A3:59, 184; A4:34–35; A5:28, 92
slowness log, A4:94
vs. depth, A3:142–143, 151, 165–166, 169; A4:84, 93; A5:68, 75
compressional wave velocity, atmospheric, vs. in situ compressional wave velocity, B10:18
compressional wave velocity, discrete, sediments, A4:106
compressional wave velocity, in situ, vs. atmospheric compressional wave velocity, B10:18
conglomerate, geology, A1:8–9
conifers, palynomorphs, B2:10–11; B3:11–12
contamination, palynomorphs, B3:9–10
continental rise
authigenic carbonates, B15:1–15
kaolinite, B1:9
ocean circulation, A1:6
principal results, A1:19–23
synthetic seismograms, B10:1–28
continental shelf
authigenic carbonates, B15:1–15
morphology, B1:9–11
principal results, A1:11–16; B1:5
sediments, A1:2–3
synthetic seismograms, B10:1–28
continental slope
bathymetry, A1:5
principal results, A1:16–19
See also upper slope
contour currents
ocean circulation, A1:6

seismic facies, B14:9
contourite, lithologic units, A3:16, 19–21
Cooperation Sea
diatom biostratigraphy, B6:1–25
summary, A1:1–65
core photos, correlation with diffuse spectral reflectance, B12:1–27
core–log comparison, gamma rays, A3:64–65
correlation, seismic stratigraphy, B8:1–21; B14:3–5
correlation coefficient, sediments, B9:15
Convulvulaceae, palynomorphs, B3:15
Cretaceous, Lower
authigenic carbonates, B15:1
palynomorphs, B2:4–6
sediments, B1:4
structure contour maps, A1:36
Cretaceous, Upper
lithologic units, A4:13–14
palynomorph abundance, B3:32–33
palynomorphs, B1:6; B3:7, 10–11, 15–17
phytoliths, B5:1–12
seismic units, B8:9–10
cross bedding, photograph, A3:98; A5:50
cross laminations, lithologic units, A3:15–16, 19–21
cryptogams, palynomorphs, B3:7, 10–11
cubic phytoliths, unknown origin, B5:6
Curie temperature
magnetite, A3:41
remanent magnetization, A4:27–28
Cupressaceae, palynomorphs, B3:9, 11
current sorting, lithologic units, A3:14
currents. See contour currents
Cytaceaeae, palynomorphs, B3:11
cyclic processes
clay minerals, B13:12
composite section, B1:37; B12:14–15
principal results, A1:22–23
sedimentation, B1:13–18
trough-mouth fans, B1:12
vs. depth, A1:61–62
See also color bands; glacial/interglacial cycles; Milankovitch cycles; rhythmic bedding; rhythmic sedimentation

D
Danian, palynomorphs, B2:5
debris flows
chronostratigraphy, B14:10–11
cyclic processes, B1:16
deposition, A5:13
Pleistocene, A1:2–3
seismic facies, B14:8–10
See also mud-flow deposits
deep water, ocean circulation, A1:5–6
deformation
photograph, A3:99; A4:59
seismic units, B8:7
See also soft sediment deformation
deltaic environment
deposition, A4:17
Eocene, B1:6–7
See also braided deltaic environment; fluvio-deltaic environment
demagnetization, isothermal remanent magnetization, A3:114–115
demagnetization, thermal components, A4:70 sediments, A3:114
density, bulk sediments, A3:56–58; A4:34; A5:27; B9:13 vs. depth, A3:139–140, 142, 145, 147, 149, 164; A4:82; A5:68, 72, 74; B9:8 See also density, dry-bulk; density, index bulk; density, in situ bulk; density, wet-bulk density, discrete, vs. depth, A3:149

VOLUME 188 SUBJECT INDEX
Factor 1 • geochemistry, inorganic

F

Factor 1
diffuse reflectance spectrophotometry, B7:9, 13, 26–27; B13:10–11
factor score vs. age, B13:28
factor score vs. depth, B7:32, 37, 42; B13:28
goethite, B7:26–27

Factor 2
diffuse reflectance spectrophotometry, B7:9–10, 13; B13:10–11
factor score vs. age, B13:29
factor score vs. depth, B7:33, 38, 43; B13:29
organic matter, B7:28

Factor 3
clay minerals, B7:29
diffuse reflectance spectrophotometry, B7:10, 13; B13:10–11
factor score vs. age, B13:30
factor score vs. depth, B7:34, 39, 44; B13:30
maghemite, B7:30

Factor 4
diffuse reflectance spectrophotometry, B7:10, 13; B13:10–11
factor score vs. age, B13:31
factor score vs. depth, B7:35, 40, 45; B13:31

Factor 5
diffuse reflectance spectrophotometry, B7:10, 13; B13:10–11
factor score vs. age, B13:32
factor score vs. depth, B7:36, 41, 46; B13:32
hematite, B7:31
factor analysis
diffuse reflectance spectrophotometry, B7:7–12
diffuse reflectance spectrophotometry, B13:9–11
downhole variations, B7:10–11
interpretation, B7:9–12

fans
growth, B14:27
history, B14:11–13
seismic facies, B14:8–10
seismic sections, B14:21–26
See also alluvial fans; alluvial plains; foresets; topsets
fans, trough-mouth, ice sheets, B1:11–12
faunal assemblages
foraminifers, A3:25; B4:8–10, 14–20
nannofossils, B11:6–7
sources, B4:9–10

feldspar
Pliocene–Pleistocene interval, B13:8
smear slides, A4:15

ferns, phytoliths, B5:4–6
fistucoid contaminants, phytoliths, B5:6
first derivative values
diffuse reflectance spectrophotometry, B7:7, 24–31
hematite in calcite, B7:24

Fisher Glacier, glaciology, A1:6–7
fluvial environment
deposition, A4:17
lithologic units, A4:13
seismic units, B8:7–10
fluvio-deltaic environment, palynomorphs, B3:7
fluvio-glacial environment, deposition, B2:11–12
folded spherical phytoliths, sediments, B5:4–5
foraminifer associations, environment, A5:14–15
foraminifer residues, change with depth, A3:75–76, 191
foraminifers
biostratigraphy, A5:14–16; B4:4:8, 13–21
comparison with onshore sections, B4:21–22
dissolution, A4:18–19; A5:15; B4:5–8, 18, 20–21
distribution, B4:36, 38; B13:35–38
faunal assemblages, A3:25; B4:8–10, 14–20
lithologic units, A3:11–12, 20; A4:9–11
Neogene, A4:19–20; B4:1–41
Pliocene–Pleistocene interval, B13:12–14
sediments, A5:88
stable isotopes, B13:11; B16:1–11
foraminifers, benthic
biostratigraphy, A3:23–26; A4:19; A5:16; B4:7–8, 15
photograph, A3:100
Pliocene–Pleistocene interval, B13:12–13
foraminifers, planktonic
biostratigraphy, A3:21–23; A4:18–19; A5:15–16; B4:4–6, 14–15
percentages, B4:39
Pliocene–Pleistocene interval, B13:12–14
See also Neogloboquadrina pachyderma
foresets
reflection, B14:6–5
seismic facies, B14:8–10
Formation Microscanner imagery, vs. depth, A1:45;
A4:91–92
Four Ladies Bank
bathymetry, A1:5
morphology, B1:9
bathymetry, A1:5
See also alluvial fans; alluvial plains; foresets; topsets
fans, trough-mouth, ice sheets, B1:11–12
faunal assemblages
foraminifers, A3:25; B4:8–10, 14–20
nannofossils, B11:6–7
sources, B4:9–10

G

Gamburtsey Subglacial Mountains
 glaciation, A1:4
maps, B1:29
gamma rays
core-log comparison, A3:64–65
vs. depth, A3:142, 144; A4:80; A5:68–70
See also density, gamma-ray attenuation
gamma-ray logs, vs. depth, A3:160–161, 163; A4:89–90;
A5:82–83; ; B1:39; B14:31
garnet, Pliocene–Pleistocene interval, B13:8
gas hydrate stability zone, depth, A3:62
gas hydrates
diagenesis, B1:20
geochemical gradient, A5:31
Gauss Chron, Pliocene–Pleistocene interval, B13:7–8, 15
Gelasian, magnetostratigraphy, B13:24
geochemistry, principal results, A1:14–15, 18, 22
geochemistry, inorganic
Site 1165, A3:43–47
Site 1166, A4:29–30
Site 1167, A5:23–24
geochemistry, organic

Site 1165, A3:47–50
Site 1166, A4:31–32
Site 1167, A5:24–25

glacial environment
foraminifers, B16:5
Pliocene/Pleistocene interval, B13:8
seismic units, B8:6–10
See also fluvio-glacial environment

geologic, maps, A1:33–34
geothermal gradient, sediments, A3:188; A5:31, 95
gibs site, X-ray diffraction data, A4:16
Gippsland Basin, palynomorphs, B3:4–8

glacial environment
foraminifers, B16:5
Pliocene/Pleistocene interval, B13:8
seismic units, B8:6–10
See also fluvio-glacial environment

rock geochemistry, organic

Site 1165, A3:47–50
Site 1166, A4:31–32
Site 1167, A5:24–25
glacial environment
foraminifers, B16:5
Pliocene/Pleistocene interval, B13:8
seismic units, B8:6–10
See also fluvio-glacial environment

glacial/interglacial cycles
deposition, A4:16–17
foraminifers, B13:11; B16:5
seismic units, B8:3–10
trough-mouth fan, A1:30; A3:20

glaciation
chronostratigraphy, B14:10–11
deposition, A5:13
ice advances, B14:1–32
lithologic units, A4:11; A5:9–11
onset, A1:4
paleoenvironment, B1:20–22
seeds, A1:2–3
transitions, B1:1–12
glaciers, glaciology, A1:6–7
glaciers, unroofing, sedimentation, B2:11
glaciology, drainage systems, A1:6–7
glaciomarine environment
deposition, A4:16–17; B4:9–10
glaciology, A1:8; B1:6
seismic units, B8:7–10
glaciotectonics, seismic units, B8:7
glaucite
accessory component, A3:74; B4:11, 20
distribution, B4:35
lithologic units, A3:13–14, 20, 22
stratigraphy, B1:10
gneiss, geology, A1:7–8
goethite
diffuse reflectance spectrophotometry, B7:9, 11;
B13:10–11
Factor 1, B7:26–27
factor score vs. depth, B7:32, 37, 42
first derivative values, B7:24–25
magnetostratigraphy, B13:7–8
graded bedding, photograph, A4:56

grain size
crude facies, B9:10
Pliocene/Pleistocene interval, B13:8
sediments, B9:1–16
vs. age, B13:25
vs. depth, B13:25
weight percentages vs. depth, B9:7
See also granulometry

H

heat flow, sediments, A3:188; A5:30–31, 95
heath, palynomorphs, B3:12
hematite
diffuse reflectance spectrophotometry, B7:10–11;
B13:10–11
Factor 5, B7:31
factor score vs. depth, B7:36, 41, 46
first derivative values, B7:24–25
magnetostratigraphy, B13:8
hemipelagic sediment
lithologic units, A3:14, 20–11
X-ray diffraction data, A5:12–13
hiatuses
biostratigraphy, A3:39
palaeoclimatology, B13:15
Pliocene–Pleistocene interval, B13:7–8, 14
High-Resolution Integrated Stratigraphy Committee. See HiRISC Section

HiRISC Section
Pliocene–Pleistocene interval, B13:1–38
spectral data, B7:1–49
Holocene
ice sheets, B1:11–12
lithologic units, A4:9–10; A5:8–11
hornblende, X-ray diffraction data, A4:15–16
hydrocarbons
principal results, A1:18, 22
vs. depth, A1:60
See also ethane; methane; methane/ethane ratio; propane
hydrogen index
organic matter, A5:25
sediments, A5:91

granulites, geology, A1:7–8

granulometry
Pliocene/Pleistocene interval, B13:8
vs. depth, B13:25
See also grain size

graphic logs, lithofacies, A3:85–88
gasses, phytoliths, B5:3–4
glacial environment
foraminifers, B16:5
Pliocene/Pleistocene interval, B13:8
seismic units, B8:6–10
See also fluvio-glacial environment

granulites, geology, A1:7–8

granulometry
Pliocene/Pleistocene interval, B13:8
vs. depth, B13:25
See also grain size

graphic logs, lithofacies, A3:85–88
gasses, phytoliths, B5:3–4

granulites, geology, A1:7–8

granulometry
Pliocene/Pleistocene interval, B13:8
vs. depth, B13:25
See also grain size

graphic logs, lithofacies, A3:85–88

granulites, geology, A1:7–8

granulometry
Pliocene/Pleistocene interval, B13:8
vs. depth, B13:25
See also grain size

graphic logs, lithofacies, A3:85–88
lithologic units
principal results, A1:11–14, 16–17, 20–21; A4:9–14; A5:8–11
reflectance, B12:7
seismic facies, B14:8–10
Site 742, B8:19
Site 1165, A3:11–16
Site 1166, B8:20
smear slides, A4:14–15
Unit I, A3:11–12; A4:9–11; A5:8; B14:6
Unit II, A3:13–14; A4:11–12; A5:8–11; B14:6
Unit III, A3:14–16; A4:12–13
Unit IV, A4:13–14
Unit V, A4:14
lithostratigraphy
composite section, A3:82–84; A4:51; A5:41–42; B3:24; B12:14–15
principal results, A1:11–14, 16–17, 20–21; A3:81; A4:50
reflectors, B10:7–12; B14:6–10
Site 1165, A3:11–21; B1:33; B12:3–4
Site 1166, A4:9–17
Site 1167, A5:7–13, 40, 58; B14:6–10, 30
synthetic seismograms, B10:22–23
vs. depth, A1:41, 48, 55–57
lonestone
bituminite, A5:11
blue gneiss, A5:11
granite, A5:11
list, A5:87
lithologic units, A3:11–12, 14, 176; A4:9–11; A5:9–11
lithology vs. depth, A5:45
photograph, A3:104
sandstone, A5:11
vs. depth, A1:49
lonestone, diorite, lithology, A5:11
lonestone, diorite gneiss, lithologic units, A3:16
lonestone, dolerite, lithologic units, A3:16, 18–19
lonestone, gabbro, lithologic units, A5:11
lonestone, gneiss, lithologic units, A5:11
lonestone, granite, lithologic units, A3:18–19; A5:11
lonestone, granite/igneous
vs. depth, A1:49
vs. sandstone, A5:46
lonestone, mudstone, lithologic units, A3:16
lonestone, quartzite, lithologic units, A3:18–19

M
Maastrichtian, palynomorphs, B2:3
Mac. Robertson Land, bathymetry, A1:5
Mac. Robertson Shelf
geochemistry, A1:9
palynomorphs, B3:13–14
maghemite
diffuse reflectance spectrophotometry, B7:10–11; B13:10–11
Factor 4, B7:30
factor score vs. depth, B7:35, 40, 45
magnesium
carbon dioxide reduction zone, A3:46
pore water, A4:30; A5:24
sulfate reduction zone, A3:44–45
vs. calcium, A3:130
vs. depth, A3:126; A4:76; A5:65
magnetic inclination
vs. depth, A1:50–51; A3:116, 118–122; A4:74; B13:22, 24
vs. frequency, A4:73
magnetic intensity
vs. depth, A3:118–123; A4:74
vs. temperature, A3:114; A4:70
magnetic logs, lithology, A4:41–42
magnetic mineralogy, vs. depth, B13:23
magnetic polarity
magnetostratigraphy, A3:41–43; A4:28–29; A5:21–22
vs. depth, A3:120
magnetic properties, trough-mouth fans, B1:12
magnetic susceptibility
sediments, B9:3, 12
vs. depth, A1:50–51; A3:142, 145; A4:68; A5:59, 68; B1:38, 41; B9:8; B13:22
magnetic susceptibility, low-field, vs. depth, A3:113
magnetic susceptibility logs
clay beds, A5:33–34
processed logs, A4:97–98
vs. depth, A4:90, 97–98; A5:83
magnetite
Curie temperature, A3:41
magnetostratigraphy, B13:7
remanent magnetization, A4:27–28
magnetostratigraphy
magnetic polarity, A3:41–43; A4:28–29; A5:21–22
Pliocene–Pleistocene interval, B13:7–8, 24
principal results, A1:18
vs. depth, A1:50–51, 58; A3:118–123; A4:66; A5:64
manganese
carbon dioxide reduction zone, A3:45–46
pore water, A4:30; A5:24
vs. depth, B14:23–24
rock-water reaction zone, A3:46
sulfate reduction zone, A3:44
vs. depth, A3:126; A4:76; A5:65
maps, pre-Mesozoic geology, A1:33–34
marine environment
lithologic units, A4:12
nodules, B15:4–7
palynomorphs, B3:7
marine environment, subglacial, seismic units, B8:5–8
mass balance, vs. sea-surface temperature, B14:32
Matuyama Chron. See Brunhes/Matuyama boundary
McMurdo Sound, palynomorphs, B3:14–16
Mellor Glacier, glaciology, A1:6–7
Mesozoic, palynomorphs, B3:10–12
Mesozoic/Paleogene transition, glaciation, B1:5–7
Messinian, magnetostratigraphy, B13:24
metamorphic rocks
geochemistry, A1:7–8
photomicrograph, A3:103
metapelite, geology, A1:7–8
methane
generation, B15:1–15
pore water, A3:43–47
methane (continued) • Oligocene, lower

recalculated concentration in pore water, A3:135
vs. depth, A3:127, 132; B15:10
See also sulfate/methane interface
methane/ethane ratio
sediments, A3:48–49
vs. depth, A3:133
vs. temperature, A3:134
methanogenic zone, pore water, A3:45–46
mica
lithologic units, A4:14
smear slides, A4:15
vs. depth, A4:62
micrite, smear slides, A3:16–17
microfossils, shelf environment, A5:19
microtherms, palynomorphs, B3:9
Milankovitch cycles
lithofacies, A3:54; B1:38
sedimentation, B1:13–14
sediments, A3:51–53
vs. depth, A1:61–62
mineralogy, bulk, vs. depth, A1:50–51; A4:80; A5:69–70
Miocene
authigenic carbonates, B15:7
calcareous nannofossils, A3:26–30; B11:14
diatoms, A3:30–36
drainage, B13:15
lithology, B9:1–16
palynomorphs, B2:4–5; B3:6
radiolarians, A3:36–38
seismic units, B8:9–10
See also Oligocene/Miocene boundary
Miocene, lower, lithologic units, A3:14–16
Miocene, lower–middle, stratigraphy, B1:8–9
Miocene, middle
glaciation, A1:4
lithologic units, A3:13–14
stratigraphy, B1:9–11
Miocene, upper
foraminifers, A4:18–19
lithologic units, A3:13–14
stratigraphy, B1:9–11
unconformities, A1:4
Miocene/Pliocene boundary, magnetostratigraphy, A3:42–43
montmorillonite
diffuse reflectance spectrophotometry, B7:10; B13:10–11
Factor 3, B7:29
factor score vs. depth, B7:39, 44
moraines, seismic units, B8:7
mounds, reflection, B14:4
mud
lithologic units, A4:13
Pliocene/Pleistocene interval, B13:8
vs. depth, B13:25
mud, gravelly, Pliocene/Pleistocene interval, B13:8
mud, gravelly sandy, Pliocene/Pleistocene interval, B13:8
mud, sandy, Pliocene/Pleistocene interval, B13:8
mud-flow deposits, nannofossils, B11:6

mudstone
lithologic units, B14:7
sedimentation, A1:10–11
multisensor core logging, sediments, B9:1–16

N
nannofossils
dissolution, B11:3–5
lithologic units, A3:13–14
nannofossils, calcareous, biostratigraphy, A3:26–30;
A4:20; A5:16–17; B11:1–14
Nanok Deep, bathymetry, A1:5
Neogene
foraminifers, A4:19–20; B4:1–41
paleoclimatology, B1:13
palynology, B2:1–20
palynomorphs, B1:11
seismic units, B8:7–10
warm periods, B1:13
Neogene/lower Oligocene, unconformities, A4:15
Neogene, upper, shelf progradation, A1:4–5
Neogloboquadrina pachyderma, stable isotopes, B16:1–11
neritic environment, calcareous nannofossils, A3:29–30
nitrogen, total
sediments, A3:49, 182; A4:31, 104; A5:25, 90; B16:10
vs. depth, B16:7
See also carbon/nitrogen ratio
nitrogen-15
dissolution, B11:6–7
kerogen, B16:4–5, 10
vs. depth, B16:7
nitrogen isotopes
kerogen, B16:4–5, 10
vs. depth, B16:7
nODULES, diagenesis, B1:19–20
nODULES, carbonate geochemistry, B15:4–8
nODULES, siderite, stable isotopes, B15:4–7
Nothofagus, palynomorphs, B3:9

O
ocean circulation
continental rise, A1:6; B1:5
gyres, A1:5–6
maps, A1:32
scheme, B1:31
Olduval Subchron
foraminifers, B13:11
magnetostratigraphy, B13:8
Oligocene
diatoms, A4:23–24
glaciation, A1:4
nannofossils, B11:6–7
palynomorphs, B2:4, 6; B3:6
seismic units, B8:9–10
stratigraphy, B1:8–9
See also Eocene/Oligocene boundary
Oligocene/Miocene boundary, glaciation, A1:4
Oligocene, lower
lithologic units, A4:11–12
See also Neogene/lower Oligocene

VOLUME 188 SUBJECT INDEX
ooze, diatom, lithologic units, A3:11–12
opal, biogenic, smear slides, A3:16–17
opal-A, phytoliths, B5:7
opal-A/opal-CT transition, reflectors, B10:12
opal-CT, phytoliths, B5:7
organic matter
diffuse reflectance spectrophotometry, B7:9–10; B13:10–11
Factor 2, B7:28
factor score vs. depth, B7:33, 38, 43
photograph, A4:60–61
pyrolysis, A3:30; A4:31–32; A5:25
seismic units, B8:7
stable isotopes, B13:10–11
sulfate reduction zone, A3:44–45
Osmundaceae, palynomorphs, B3:11
Otway Basin, palynomorphs, B3:6
overburden stress, sediments, A3:58
overburden stress, effective, vs. depth, A3:150
oxidation, sediments, B15:1–15
oxygen isotopes
authigenic carbonates, B15:6, 15
foraminifers, B13:11; B15:5, 11
vs. age, B1:42
vs. depth, B13:33; B15:9

P
Pagodroma Gorge, geology, A1:8
paleoclimatology
Cenozoic, A1:2–5
deposition, A5:13
foraminifers, B13:11
middle Pleistocene, B14:12
nannofossils, B11:6–7
Neogene, B1:13
palynomorphs, B2:10–11; B3:9, 11–12
weathering, B13:15
X-ray diffraction data, A4:16
See also warm periods
paleoenvironment
calcareous nannofossils, A3:29–30
faunal assemblages, B4:9–10
foraminifers, B4:15–16; B15:5
nannofossils, B1:6–7
Neogene, A4:19–20; B4:15–16
nodules, B15:4–7
palynomorphs, B3:28
phytoliths, B5:8
principal results, A1:16
residues, A3:75–76; B4:12–13
sedimentation, A1:24
sediments, B4:22
seismic stratigraphic correlation, B8:1–21
transitions, B1:20–22
See also environment
Paleogene
palynomorphs, B2:4–5
seismic units, B8:7–10
See also Mesozoic/Paleogene transition
paleointensity, magnetostratigraphy, A3:43
paleomagnetism
principal results, A1:14, 21
Site 1165, A3:39–43
Site 1166, A4:26–29
Site 1167, A5:19–22
paleoproductivity
calcareous nannofossils, A3:29–30
nannofossils, B11:7
paleoshelf, thickness, B14:5
palynology
Mesozoic/Paleogene transition, B1:6
Neogene, B2:1–20
palynomorphs
biostratigraphy, A4:25; B2:1–20
Cenozoic, B3:1–43
Neogene, B1:11
transport, B2:11–12
vegetation, B2:10–11; B3:8–9
panicoid phytoliths, sediments, B5:3–4
pebbles
lithologic units, A4:10–11; A5:9–11
trough–mouth fans, B1:12
pelagic sediment
foraminifers, A5:14–15
lithologic units, A3:14, 20–21
pellet spherical phytoliths, sediments, B5:5
Permian, palynomorphs, B2:4–6
pH, vs. depth, A3:125; A5:65
Phanerozoic, geology, A1:7–8
phosphate
carbon dioxide reduction zone, A3:45
pore water, A4:30; A5:23
sulfate reduction zone, A3:44–45
vs. depth, A3:125; A4:77; A5:65
photoelectric effect logs, vs. depth, A3:161, 163, 190; A4:90; A5:82
physical properties
principal results, A1:15
Site 1165, A3:54–61; B9:1–16
Site 1166, A4:32–36
Site 1167, A5:25–30
phytoliths
classification, B5:3–7
ferns, B5:4–6
grasses, B5:3–4
paleoenvironment, B5:8
sediments, B5:1–12
stratigraphic distribution, B5:11
trees and shrubs, B5:4–6
unknown origin, B5:6
Piacenzian, magnetostratigraphy, B13:24
plagioclase, X-ray diffraction data, A3:17–18; A4:15–16
planar laminations
lithologic units, A3:15–16
photograph, A3:92, 95
plant debris
geology, A1:8–9
phytoliths, B5:7–8
smear slides, A4:15
<table>
<thead>
<tr>
<th>Plate Phytoliths, Contaminants</th>
<th>Quaternary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pleistocene</td>
<td></td>
</tr>
<tr>
<td>Biostratigraphy, B6:6–7</td>
<td></td>
</tr>
<tr>
<td>Calcareous nanofossils, A3:26–30</td>
<td></td>
</tr>
<tr>
<td>Debris flows, A1:2–3</td>
<td></td>
</tr>
<tr>
<td>Foraminifers, B4:4–8</td>
<td></td>
</tr>
<tr>
<td>Ice sheets, B1:11–12</td>
<td></td>
</tr>
<tr>
<td>Lithologic units, A3:11–12; A4:9–11; A5:8–11</td>
<td></td>
</tr>
<tr>
<td>See also Pliocene–Pleistocene interval; Pliocene/Pleistocene boundary</td>
<td></td>
</tr>
<tr>
<td>Pleistocene, Middle, Paleoclimatology, B14:12</td>
<td></td>
</tr>
<tr>
<td>Pliocene</td>
<td></td>
</tr>
<tr>
<td>Biostratigraphy, B6:6–7</td>
<td></td>
</tr>
<tr>
<td>Calcareous nanofossils, A3:26–30</td>
<td></td>
</tr>
<tr>
<td>Diatom biostratigraphy, B6:1–25</td>
<td></td>
</tr>
<tr>
<td>Diatoms, A3:30–36; A4:22–23</td>
<td></td>
</tr>
<tr>
<td>Foraminifer comparison with onshore sections, B4:21–22</td>
<td></td>
</tr>
<tr>
<td>Foraminifers, A5:15–16; B4:4–8</td>
<td></td>
</tr>
<tr>
<td>Lithologic units, A3:11–12; A4:9–11</td>
<td></td>
</tr>
<tr>
<td>Methane, B15:5–6</td>
<td></td>
</tr>
<tr>
<td>Palynomorphs, B3:6, 9</td>
<td></td>
</tr>
<tr>
<td>Radiolarians, A3:36–38</td>
<td></td>
</tr>
<tr>
<td>See also Miocene/Pliocene boundary</td>
<td></td>
</tr>
<tr>
<td>Pliocene–Pleistocene interval</td>
<td></td>
</tr>
<tr>
<td>Clay mineral cyclicity, B13:12</td>
<td></td>
</tr>
<tr>
<td>Foraminifers, B13:12–14</td>
<td></td>
</tr>
<tr>
<td>HiRISC Section, B13:1–38</td>
<td></td>
</tr>
<tr>
<td>Pliocene/Pleistocene boundary, magnetostratigraphy, B13:8</td>
<td></td>
</tr>
<tr>
<td>Pliocene, Lower</td>
<td></td>
</tr>
<tr>
<td>Lithology, B9:1–16</td>
<td></td>
</tr>
<tr>
<td>Stratigraphy, B1:9–11</td>
<td></td>
</tr>
<tr>
<td>Plutons, Geology, A1:7–8</td>
<td></td>
</tr>
<tr>
<td>Podocarpaceae, palynomorphs, B3:9</td>
<td></td>
</tr>
<tr>
<td>Polar Current, Ocean circulation, A1:5–6</td>
<td></td>
</tr>
<tr>
<td>Pollen</td>
<td></td>
</tr>
<tr>
<td>Mesozoic, B3:11</td>
<td></td>
</tr>
<tr>
<td>Palynomorphs, B2:9–10; B3:5–8</td>
<td></td>
</tr>
<tr>
<td>Polygonaceae, palynomorphs, B3:15</td>
<td></td>
</tr>
<tr>
<td>Polyplodiaceae, palynomorphs, B2:11</td>
<td></td>
</tr>
<tr>
<td>Pore water</td>
<td></td>
</tr>
<tr>
<td>Geochemistry, A3:43–47, 179; A4:103; A5:89; B15:4</td>
<td></td>
</tr>
<tr>
<td>Principal results, A1:14, 18, 22</td>
<td></td>
</tr>
<tr>
<td>Sulfur isotopes, B15:5</td>
<td></td>
</tr>
<tr>
<td>Porosity</td>
<td></td>
</tr>
<tr>
<td>Sediments, A3:56–58; A4:33–34; A5:27; B15:6–7</td>
<td></td>
</tr>
<tr>
<td>Velocity, A3:65–67</td>
<td></td>
</tr>
<tr>
<td>Vs. Depth, A3:146; A4:81; A5:71; B15:13</td>
<td></td>
</tr>
<tr>
<td>See also Void ratio</td>
<td></td>
</tr>
<tr>
<td>Porosity logs, vs. depth, A3:160; A4:89; A5:82</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td></td>
</tr>
<tr>
<td>Pore water, A4:30; A5:24</td>
<td></td>
</tr>
<tr>
<td>Rock–water reaction zone, A3:46</td>
<td></td>
</tr>
<tr>
<td>Sulfate reduction zone, A3:44–45</td>
<td></td>
</tr>
<tr>
<td>Vs. Depth, A3:124, 126; A4:77; A5:66</td>
<td></td>
</tr>
<tr>
<td>Vs. Potassium Feldspar, A3:131</td>
<td></td>
</tr>
<tr>
<td>Potassium Feldspar</td>
<td></td>
</tr>
<tr>
<td>Lithologic units, A5:9–11</td>
<td></td>
</tr>
<tr>
<td>Vs. Potassium in pore water, A3:131</td>
<td></td>
</tr>
<tr>
<td>X-ray diffraction data, A3:17–18; A4:15–16</td>
<td></td>
</tr>
<tr>
<td>Potassium Logs, vs. depth, A3:161; A4:90</td>
<td></td>
</tr>
<tr>
<td>Precipitation, pore water, A3:47</td>
<td></td>
</tr>
<tr>
<td>Preglacial environment, seismic units, B8:6–7</td>
<td></td>
</tr>
<tr>
<td>Preservation, nanofossils, B11:6–7</td>
<td></td>
</tr>
<tr>
<td>Pressure, in-situ, velocimetry, B10:26</td>
<td></td>
</tr>
<tr>
<td>Prince Charles Mountains, geology, A1:7–8; B1:4</td>
<td></td>
</tr>
<tr>
<td>Prince Charles Mountains S, glaciology, A1:6–7</td>
<td></td>
</tr>
<tr>
<td>Proglacials, deposition, A4:17</td>
<td></td>
</tr>
<tr>
<td>Progradation</td>
<td></td>
</tr>
<tr>
<td>Sedimentation, A1:10–11</td>
<td></td>
</tr>
<tr>
<td>Stratigraphy, B1:9–11</td>
<td></td>
</tr>
<tr>
<td>Upper Neogene, A1:4–5</td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td>Sediments, A3:48–49</td>
<td></td>
</tr>
<tr>
<td>Vs. Depth, A3:132</td>
<td></td>
</tr>
<tr>
<td>Provenance, sediments, B2:11; B3:13</td>
<td></td>
</tr>
<tr>
<td>Prydz Bay</td>
<td></td>
</tr>
<tr>
<td>Bathymetry, B14:17</td>
<td></td>
</tr>
<tr>
<td>Correlation of Sites 742 and 1166, B8:1–21</td>
<td></td>
</tr>
<tr>
<td>Diatom biostratigraphy, B6:1–25</td>
<td></td>
</tr>
<tr>
<td>Geology, A1:7–9, 33–34</td>
<td></td>
</tr>
<tr>
<td>Ice Advances, B14:1–32</td>
<td></td>
</tr>
<tr>
<td>Methane, B15:1–15</td>
<td></td>
</tr>
<tr>
<td>Neogene foraminifers, B4:1–41</td>
<td></td>
</tr>
<tr>
<td>Palynomorphs, B3:13–14</td>
<td></td>
</tr>
<tr>
<td>Phytoliths, B5:1–12</td>
<td></td>
</tr>
<tr>
<td>Summary, A1:1–65</td>
<td></td>
</tr>
<tr>
<td>Synthesis, B1:1–42</td>
<td></td>
</tr>
<tr>
<td>Prydz Channel Fan</td>
<td></td>
</tr>
<tr>
<td>Bathymetry, A1:5; B1:5</td>
<td></td>
</tr>
<tr>
<td>Ice Advances, B14:1–32</td>
<td></td>
</tr>
<tr>
<td>Prydz Channel Trough Mouth Fan</td>
<td></td>
</tr>
<tr>
<td>Isopach Maps, B14:18</td>
<td></td>
</tr>
<tr>
<td>Seismic Lines, B14:20</td>
<td></td>
</tr>
<tr>
<td>Spectral Data, B7:1–49</td>
<td></td>
</tr>
<tr>
<td>Pseudo-single domains, magnetostratigraphy, A3:43</td>
<td></td>
</tr>
<tr>
<td>Pseudomorphs, lithologic units, A3:11–12, 22</td>
<td></td>
</tr>
<tr>
<td>Publication Ice Shelf, Glaciology, A1:6–7</td>
<td></td>
</tr>
<tr>
<td>Pyrite</td>
<td></td>
</tr>
<tr>
<td>Accessory Component, A3:74–75; B4:11, 13</td>
<td></td>
</tr>
<tr>
<td>Photomicrograph, A3:93</td>
<td></td>
</tr>
<tr>
<td>Pyrite, Detrital, Accessory Component, B4:19</td>
<td></td>
</tr>
<tr>
<td>Pyrolysis, Organic Matter, A3:50</td>
<td></td>
</tr>
</tbody>
</table>

**Q**

Quartz

Lithologic units, A5:9–11

Pliocene/Pleistocene interval, B13:8

Smear Slides, A4:14–15

X-ray diffraction data, A3:17–18; A4:15–16

Quartz Grains

Lithologic units, A3:16, 18–19

Photomicrograph, A3:103

Quaternary

Calcareous nanofossils, A3:26–30; B11:14

Diatom biostratigraphy, B6:1–25

Diatoms, A3:30–36; A4:21–22

Foraminifers, A5:15–16

Magnetostratigraphy, A4:28–29
VOLUME 188 SUBJECT INDEX
Quaternary (continued) • sedimentation rates

methane, B15:5–6
paleoclimatology, A5:13
sedimentation, Prdyz Bay, A1:11
Quaternary, upper, clay mineral cyclicity, B13:12

R
radiolarians
  biostratigraphic datums, A4:102
  biostratigraphy, A3:36–38; A4:25; A5:18
  smear slides, A4:14–15
radiolarians, orosphaerid, accessory component, B4:10–11
rainforest scrub, palynomorphs, B3:8
  recycling, palynomorphs, B2:7–8; B3:9–10, 13
red beds, geology, A1:8–9
reduction. See carbon dioxide reduction zone; sulfate reduction
reflectance
  composite section, B12:14–15
  lithologic units, B12:7
  percentages, B7:49
  sediments, B7:47; B12:24–27
  vs. depth, B7:19, 21, 23; B13:27
  See also brightness; color bands; lightness; spectrophotometry
reflectance, diffuse spectral
  brightness, B13:9–11
  correlation with core photos, B12:1–27
reflection, geometry, B14:4
reflection coefficient logs, vs. depth, A3:171
reflectivity
  calibration, B12:18–19
  sensitivity test vs. depth, B12:16–17
remanent magnetization, anhysteretic
  magnetostratigraphy, A3:43
  sediments, A5:20–21
  vs. depth, A3:113; A4:27–28, 68; A5:59; B13:22
remanent magnetization, anhysteretic/isothermal remanent magnetization ratio
  magnetostratigraphy, B13:7–8
  sediments, A5:20–21
  vs. depth, A1:50–51; A5:61; B13:22–23
remanent magnetization, characteristic, magnetostratigraphy, A4:28–29; A5:22
remanent magnetization, isothermal
  acquisition curves, A4:27–28, 69; A5:60
  demagnetization, A3:114–115
  rock magnetics, A3:40–41
  sediments, A5:20–21
  vs. depth, A3:113; A4:68; A5:59; B13:22–23
  See also remanent magnetization, anhysteretic/isothermal remanent magnetization ratio
remanent magnetization, natural
  rock magnetics, A3:40–41
  sediments, A5:19–20
residues, foraminifers, change with depth, A3:75–76, 191
resistivity logs
  lows, A5:33

S
salinity
  pore water, A3:43–47; A4:30; A5:23
  rock–water reaction zone, A3:46
  vs. depth, A3:125; A4:78; A5:65
sand
  lithologic units, A4:11–12; A5:8–11; B1:4; B9:3
  photograph, A4:55–60; A5:49
  Pliocene/Pleistocene interval, B13:8
  seismic units, B8:6–10
  vs. depth, A5:54; B13:25
  sand, clayey, lithologic units, A5:9
  sand, silty
    lithologic units, A5:9
    photograph, A5:44
sand grains, lithologic units, A3:11–12, 14, 18–19
sandstone
  geology, A1:8–9
  lithologic units, A4:13
  limestone, A5:11
  vs. depth, A1:49
  vs. granite/igneous limestone, A5:46
Santonian
  palynomorphs, B2:3–4; B3:10–11
  See also Turonian–Santonian interval
sea ice, Neogene, B1:13
sea-level changes, Eocene, B1:6–7
sediment influx, foraminifers, A5:14–15
sedimentation
  cyclic processes, B1:14–17
  history, A1:9–11
  models, A1:46, 63–64
  paleoenvironment, A1:24; B1:20–22
sedimentation rates
  authigenic carbonates, B15:7
  biostratigraphy, A3:39
  Miocene–Pliocene interval, B1:10
  Pliocene–Pleistocene interval, B13:14
  radiolarian datums, A4:26
Site 1165, A3:39
Site 1166, A4:26
sedimentation rates (continued) • Site 1165

Site 1167, A5:19; B14:10–11
vs. age, B1:42
sediments
  brightness, B7:5–7; B13:9–11
  Cenozoic, A1:9
  multisenor core logging, B9:1–16
  pre-Cenozoic, A1:9
  provenance, B2:11; B3:13
  thickness, B14:27
seismic facies, lithologic units, B14:8–10
seismic lines
  lithology, B8:17–18
  Prydz Channel Trough Mouth Fan, B14:20
seismic profiles
  lithostratigraphy, B10:22–23
  principal results, A1:19–20
  reflection, B1:30
  Site 742, B8:15
  Site 1165, A3:53–54; A3:11, 78–80; B1:40; B10:15
  Site 1166, A1:40; A4:49; B8:15; B10:16
  Site 1167, A1:47; A5:39
  synthetic seismograms, B10:1–28
seismic reflection
  correlation at Sites 742 and 1166, B8:16
  surveys, B10:3–4
seismic Reflector 1, seismic reflectors, A3:67
seismic Reflector 2, seismic reflectors, A3:67
seismic Reflector 3, seismic reflectors, A3:67
seismic Reflector 4, seismic reflectors, A3:67
seismic Reflector 5, seismic reflectors, A3:67
seismic Reflector 6, seismic reflectors, A3:68
seismic reflectors
  lithology, A3:67–68; B10:8–11
  origin, A3:67–68
  sediments, A1:10–11
seismic sections, fans, B14:21–26
seismic sequences, sketch profile, A1:37
seismic stratigraphy
  correlation, B8:1–21; B14:3–5
  principal results, A1:16
Seismic Unit PS.1, correlation, B8:4–5
Seismic Unit PS.2A, correlation, B8:4
Seismic Unit PS.2B, correlation, B8:3–4
seismic units
  correlation, B8:3–5
  profile, B8:14
seismograms, synthetic
  lithostratigraphy, B10:22–23
  profiles, A3:168; A4:40–41
  seismic profiles, B10:1–28
  traveltimes, A4:95
  vs. depth, B10:19–21, 24
  wave traces, A3:170
shear strength, vs. depth, A5:76
Seymour Island, palynomorphs, B3:16–17
shear strength, normalized, vs. depth, A4:86; A5:77
shear strength, undrained
  normalization with respect to effective overburden pressure, A3:153
sediments, A3:59–60, 185; A4:35–36, 107; A5:28–29, 93
vs. depth, A3:152; A4:85
shelf edge, seismic sections, B14:23
shelf environment
  deposition, B2:11–12
  foraminifers, A5:14–15
  microfossils, A5:19
  Neogene, A4:19–20
shrubs. See trees and shrubs
siderite, nodules, B15:4–7
silica
  carbon dioxide reduction zone, A3:46
  Factor 1, B7:27
  pore water, A4:30; A5:24
  rock-water reaction zone, A3:46
  sulfate reduction zone, A3:45
  vs. depth, A3:125; A4:77; A5:66
silica, biogenic
  diagenesis, B1:18–19
  Miocene–Pliocene interval, B9:1–16
vs. age, B9:9
vs. depth, B9:8
siliceous microfossils, lithologic units, A3:13–14
siliciclastics
  drift deposits, A1:4
  lithologic units, A3:11–16
silt
  lithologic units, A3:15–16; B1:4
  photograph, A3:98
  seismic units, B8:6–10
  smear slides, A3:16–17
  vs. depth, A5:54
silt, clayey, lithologic units, A4:10–11
silt, micaceous, photograph, A4:61
silt, sandy, lithologic units, A4:9–14; A5:9
silt grains, lithologic units, A3:13–14
silt laminae
  lithologic units, A3:15–16, 19–21; A5:8–11
  photograph, A3:90, 95; A5:50
silt partings, photograph, B12:12
siltstone, geology, A1:8–9
siltstone, carbonaceous, lithologic units, A4:13
Sirius Group, palynomorphs, B3:6, 9
Site 149, palynomorphs, B3:14
Site 149/GC47, palynomorphs, B3:14
Site 270, palynomorphs, B3:14
Site 742
  correlation with B8:1–21
  palynomorphs, B3:14
  synthetic seismogram correlation with A4:41
  synthetic seismograms, B10:3, 11
Site 1165, A3:1–191
  background and objectives, A3:6–7
  biostratigraphy, A3:21–38; B4:1–41; B6:1–25; B11:1–14
  calcareous nanofossils, B11:1–14
  color alternations, A3:50–54
  cyclic processes, B1:14–16
diatom biostratigraphy, B6:1–25
diffuse spectral reflectance, B12:1–27
downhole measurements, A3:62–68
in-situ temperature, A3:62
inorganic geochemistry, A3:43–47
lithostratigraphy, A3:11–21
methylene, B15:1–15
Miocene–lower Pliocene lithology, B9:1–16
Neogene foraminifers, B4:1–41
operations, A3:7–10
organic geochemistry, A3:47–50
paleomagnetism, A3:39–43
palynology, B2:1–20
physical properties, A3:54–61
phytoliths, B5:1–12
Pliocene–Pleistocene interval, B13:1–38
principal results, A1:19–23; A3:1–6
sedimentation rates, A3:39
seismic profiles, A1:47
site description, A3:1–191
site geophysics, A3:10–11
spectral data, B7:1–49
synthetic seismograms, B10:3, 8–9
synthetic seismograms, A4:1–110
background and objectives, A4:6–7
biostratigraphy, A4:17–26; B4:1–41; B6:1–25
composite section, B1:32
coring summary, A4:100–101
correlation with Site 742, B8:1–21
cyclic processes, B1:16
diatom biostratigraphy, B6:1–25
downhole measurements, A4:36–42
inorganic geochemistry, A4:29–30
lithostratigraphy, A4:9–17
methane, B15:1–15
Neogene foraminifers, B4:1–41
operations, A4:7–9
organic geochemistry, A4:31–32
organic matter, B16:1–11
paleomagnetism, A4:26–29
palynology, B3:1–43
physical properties, A4:32–36
phytoliths, B5:1–12
principal results, A1:11–16; A4:1–6
sedimentation rates, A4:26
seismic profiles, A1:40
site description, A4:1–110
summary and conclusions, A4:42
synthetic seismogram correlation with Site 742, A4:41
synthetic seismograms, B10:3, 9–11
Site 1166, A5:1–97
background and objectives, A5:5
biostratigraphy, A5:13–19; B4:1–41
composite section, B1:35–36
coring summary, A5:85–86
cyclic processes, B1:16–17
downhole measurements, A5:31–34
in-situ temperature, A5:30–31
inorganic geochemistry, A5:23–24
lithostratigraphy, A5:7–13; B14:6–10, 30
Neogene foraminifers, B4:1–41
operations, A5:6–7
organic geochemistry, A5:24–25
paleomagnetism, A5:19–22
palynology, B2:1–20
physical properties, A5:25–30
principal results, A1:16–19; A5:1–5
sedimentation rates, A5:19
seismic profiles, A1:47
site description, A5:1–97
spectral data, B7:1–49
site geophysics, Site 1165, A3:10–11
slump scars
reflection, B14:4
seismic facies, B14:9
smear slides, lithologic units, A3:10–11; A4:14–15; A5:12
smectite
sediments, B13:11–12
vs. depth, B13:34
weathering, B13:15
X-ray diffraction data, A5:12–13
See also illite/smectite ratio
smooth spherical phytoliths, sediments, B5:5
sodium
carbon dioxide reduction zone, A3:46
pore water, A4:30; A5:24
vs. depth, A3:126; A4:78; A5:66
soft sediment deformation, lithologic units, A3:11–12;
A4:13
source beds, palynomorphs, B2:10–11
Southern Ocean diatom zonation, biostratigraphy, B6:4–7
spectral analysis, color, A3:52–53
spectrophotometry, brightness, B13:9–11
spectrophotometry, diffuse reflectance, factor analysis,
B7:7–12
spherical phytoliths, sediments, B5:4–6
spinulose spherical phytoliths, sediments, B5:5
sponge spicules
accessory component, B4:10, 16
distribution, B6:23–24
photomicrograph, A3:93
smear slides, A3:16–17; A4:14–15
spores
Mesozoic, B3:11
palynomorphs, B2:9–10; B3:5–8
stable isotopes
carbonates, B15:4–7
diagenesis, B1:20
foraminifers, B13:11
organic matter, B16:1–11
See also carbon isotopes; nitrogen isotopes; oxygen isotopes; sulfur isotopes
stratigraphy
graphical summary, A3:109–111
Pliocene–Pleistocene interval, B13:1–38
See also biostratigraphy; seismic stratigraphy
stratified plate phytoliths, sediments, B5:4
stringers, photograph, A3:90
strontium
pore water, A4:30; A5:24
sulfate reduction zone, A3:45
VOLUME 188 SUBJECT INDEX

strontium (continued) • verrucose spherical phytoliths

vs. depth, A3:124, 126; A4:76; A5:66
strontium isotopes, chronostratigraphy, B14:10–11
structure contour maps
  basement, A1:35
top of Lower Cretaceous, A1:36
Stylidiaceae, palynomorphs, B3:16
subglacial deposits
  seismic facies, B14:9
  seismic units, B8:7
sulfate
  pore water, A3:43–47; A4:29; A5:23
  vs. alkalinity, A3:128
  vs. depth, A1:52; A3:124–125, 127; A4:75; A5:65; B15:10
sulfate reduction zone
  authigenic carbonates, B15:7
  pore water, A3:44–45
sulfate/methane interface, carbon isotopes, B15:5–6
sulfur, total, sediments, A3:49, 182; A4:31, 104; A5:25, 90
sulfur isotopes
  pore water, B15:14
  sulfate, B15:5
  vs. depth, B15:10
Svenner Channel
  bathymetry, A1:5
  glaciology, A1:6–7
synthetic seismograms. See seismograms, synthetic

T
Taxodiaceae, palynomorphs, B3:11
teeth, accessory component, A3:74–75; B4:10
temperature
  foraminifers, B13:11
  Neogene, B1:13
  sediments, A5:95
  vs. depth, A3:158, 172; A4:99; A5:80, 84; B15:12
  vs. time, A3:155–157; A5:79
temperature, sea-surface
  nannofossils, B11:6–7
  vs. ablation, B14:32
  vs. mass balance, B14:32
temperature, in-situ
  sediments, A3:62
  Site 1165, A3:62
  Site 1167, A5:30–31
temperature logs, lithology, A4:42
terrigenous component, vs. depth, A3:107
thermal conductivity
  vs. depth, A3:154; A4:87; A5:78
thickness, ice, B14:5
thorium logs, vs. depth, A3:161; A4:90
Thvera Subchron, magnetostratigraphy, A3:42–43
tidal environment, cyclic processes, B1:16
tie points, depth to age conversion, B9:16
  topsets
    reflection, B14:5
    seismic facies, B14:8–10
    seismic sections, B14:25–26

Tortonian, magnetostratigraphy, B13:24
Transantarctic Flora, palynomorphs, B2:7–8; B3:4–8, 13
transgression
  deposition, A4:16–17
  seismic units, B8:7–10
transport
  nannofossils, B11:6–7
  palynomorphs, B2:11–12
traveltime, two-way
  shotpoints, A4:95
  vs. relative amplitude, A3:167
trees and shrubs, palynomorphs, B5:4–6
trough-mouth fan
  deposition, A1:30
  principal results, A1:16–19
turbidite, seismic facies, B14:8–10
Turonian
  authigenic carbonates, B15:7
  lithologic units, A4:13–14
  palynomorphs, A4:25; B1:6; B2:3; B3:10–11
Turonian–Santonian interval, palynomorphs, A4:25

U
unconformities
  Campanian–middle to late Eocene interval, B1:6;
  B3:8, 10
deposition, A4:16–17
lithologic units, A4:14
Neogene/lower Oligocene, A4:15
palynomorphs, B3:8
seismic units, B8:3–10
upper Miocene, A1:4
See also disconformities; hiatuses
upper slope, seismic sections, B14:23
uranium logs, vs. depth, A3:161; A4:90

V
Vega Island, palynomorphs, B3:17
vegetation
  paleoenvironment, B1:20–22
  palynomorphs, B2:10–11; B3:8–9, 11–12
veins, geology, A1:7–8
velocimetry
  in-situ pressure, B10:26
  sediments, A3:59
velocity
  impedance logs, B10:25, 28
  porosity, A3:65–67
  seismic reflection, B10:5–8
  See also compressional wave velocity
velocity, acoustic, sediments, A3:59
velocity, in situ, vs. in situ bulk density, B10:18
velocity logs
  vs. depth, A3:160; A4:89, 93–94; B10:20, 24
  vs. resistivity logs, A4:96
  See also impedance logs
verrucose spherical phytoliths
  contaminants, B5:7
  sediments, B5:5–6
**VOLUME 188 TAXONOMIC INDEX**

**Vestfold Hills, glaciology • anticlinal epidermal phytolith, Site 1165**

Vestfold Hills, glaciology, A1:6–7
void ratio
sediments, A3:56–58; A5:27
vs. depth, A3:148; A4:83; A5:73
See also porosity
volcanic glass, accessory component, A3:74; B4:12–13

**W**

warm periods, Neogene, B1:13
water content
sediments, A3:56–58; A4:32–34; A5:26–28
vs. depth, A3:148; A4:83; A5:73
water. See rock–water reaction zone
wavelets, seismic reflection, B10:4–5, 17
weathering, paleoclimatology, B13:15
well-logging
principal results, A1:15–16, 19, 22–23, 189; A5:32–34; B14:31
sediments, B9:1–16
summary, A4:88, 109; A5:32–34; B14:31
well-logging signature, calcified beds, A3:65
well-logging Unit 1, sediments, A3:63–64; A4:37–38; A5:32–33
well-logging Unit 2, sediments, A3:64; A4:38; A5:32–33
well-logging Unit 3, sediments, A3:64; A4:39
well-logging Unit 4, sediments, A4:39
well-logging Unit 5, sediments, A4:39–40
well-logging Unit 6, sediments, A4:40
well-logging units, sediments, A3:63–64; A4:37–40; A5:32–33
Wild Canyon, bathymetry, A1:5
Wild Drift
diffuse spectral reflectance, B12:1–27
principal results, A1:19–23
spectral data, B7:1–49
Wilkins Canyon, bathymetry, A1:5
wood fragments, accessory component, B4:16–17

**X**

X-ray diffraction data
clay-size fractions, A4:63–65; A5:55–57
lithologic units, A3:17–18; A4:15–16; A5:12–13

**Z**

Zanclean, magnetostratigraphy, B13:24
zonation
biostratigraphy, B3:25
See also Southern Ocean diatom zonation
Zoophycos
lithologic units, A3:16
photograph, A3:101–102

---

**TAXONOMIC INDEX**

**A**

abies, Sphenolithus, Site 1165, B11:4, 6
abisectus, Cyclicargolithus, Site 1165, A3:28; B11:5
Acrosphaera australis, Site 1165, A3:37
Acrosphaera australis Zone, Site 1165, A3:37
Acrosphaera murrayana, Site 1165, A3:37
Acrosphaera? labrata, Site 1165, A3:37
Acrosphaera? labrata Zone, Site 1165, B6:4–10
Actinocyclus ingens
Site 1165, A3:30–31, 34–35; B6:4
Site 1166, A4:21
Actinocyclus ingens var. nodus, Site 1165, A3:34
Actinocyclus ingens var. nodus Zone, Site 1165, A3:34
Actinocyclus ingens Zone, Site 1165, B6:4
Actinocyclus ingens–Denticulopsis mucollum Zone, Site 1165, A3:34
Actinomma golownini, Site 1165, A3:37
cf. Adnatosphaeridium reticulense, Site 1166, B3:36
aequalis, Ceratosporites, Site 1165, B2:4, 17
Agathis, Site 1166, B3:9, 11
Ailanthipites sp. cf. Ailanthipites paenestriatus, Site 1166, B3:43
Alabaminoides exiguus, Site 1165, B11:4, 6
amplus, Latrobosporites, Site 1166, B3:10
Alisporites sp., Site 1165, B2:10
Alisporites Zone, Site 1167, B2:6
Alterbidinium (Deflandrea) asymmetricum, Site 1165, A3:34
americanus, Nothofagidites, Site 1165, B3:6
Ammodochium ampulla, Site 1166, A4:24
Amphymenium challengerae, Site 1165, A3:36
amplus, Latrobosporites, Site 1166, B3:11
ampulla, Ammodochium, Site 1166, A4:24
angulatus var., Proteacidites, Site 1166, B3:39
Angulgerina earlandi, Site 1166, A4:25
angulos, Trifarina
Site 1166, B4:15
Site 1167, B4:21, 23–24, 40–41
Anomalalinoides sp., Site 1167, B4:24–25, 40–41
antarctica, Deflandrea, Site 1166, B3:4, 13, 15–16, 34
antarctica, Triceraspyris
Site 1166, A4:25
Site 1167, A5:18
antarctica var. recta, Eucampia, Site 1166, A4:23
antarcticum, Arachnodiunnum
Site 1166, B3:4, 13, 15–16
Site 1167, B2:6, 8, 24, 40–41
antarcticus, Dactyliosolen, Site 1165, A3:36
antarcticus, Dictyococcites, Site 1165, A3:27
antarcticus, Microcachryidites
Site 742A, B3:14
Site 1167, B2:6–8, 18
antarcticus var., Microcachryidites, Site 1166, B3:11, 43
Antarctissa cylindrica
Site 1166, A4:25
Site 1167, A5:18
Antarctissa denticulata, Site 1167, A5:18
Antarctissa strelkovi, Site 1166, A4:25
anticlinal epidermal phytolith, Site 1165, B5:4, 12
apertura, Spinidinium sp. cf. Vozzhenikovia, Site 1166, B:3:7
apertura, Vozzhenikovia
Site 742, B:3:14
Site 1166, B:3:15
apoxyexinus, Tricolporites, Site 1166, B:3:11, 39
apoexinus, Tricolporites sp. cf. Tricolporites, Site 1165, B:2:18
Appendicisporites, Site 1166, B:3:10
Arachnodinium antarcticum
Site 1166, B:3:4, 13, 15–16
Site 1167, B:2:6, 8, 24, 40–41
Araucaria, Site 1166, B:3:9
Araucariacites australiensis, Archaeosphaeridium, Site 1166, A:4:24
Archaeosphaeridium tasmaniae, Site 1166, A:4:24
architecturalis, Distephanosira (Melosira), Site 1166, A:4:24
Arecipites, Site 1165, B:2:20
asanoi, Reticulofenestra, Site 1165, B:11:4
askinae, Octodinium, Site 1166, B:3:39
asperus, Nothofagidites
Site 1165, B:2:5
Site 1166, B:3:6
asteroides, cf. Asteropollis, Site 1165, B:2:18
Asteromphalus kennettii, Site 1165, A:3:33–34
Asteromphalus kennettii Zone, Site 1165, A:3:33–34
cf. Asteropollis asteroides, Site 1165, B:2:18
Astronomion echolsi, Site 1166, B:4:40–41
Astronomion spp., Site 1166, A:4:19; B:4:15
Astronomion stelligerum, Site 1167, B:4:40–41
asymmetrica, Deflandrea, Site 1166, B:3:4, 34
asymmetrica, Deflandrea sp. cf. Deflandrea, Site 1166, B:3:4, 34
asymmetricum, Alterbidinium (Deflandrea), Site 1166, B:3:15
asymmetricus, Foraminisporis, Site 1167, B:2:6, 17
australiensis, Archaeosphaeridium, Site 1166, A:4:24
australiensis, Cicatricosisporites
Site 742A, B:3:14
Site 1165, B:2:4, 17
Site 1167, B:2:6–7
australiensis, Dacyrcarpites
Site 1165, B:2:3
Site 1166, B:3:11
australis, Acrosphaera, Site 1165, A:3:37
australis, Araucariacites, Site 1166, B:3:11, 43
australis, Stereisporites, Site 1165, B:2:18
australis, Stereisporites sp. cf. Stereisporites, Site 1166, B:3:43
Australopolis obscurus, Site 1166, B:3:10–11, 43
cf. Australopolis obscurus, Site 1166, B:3:43

B
Baculatisporites, Site 1166, B:3:11
balmei, Lygisterpollenites sp. cf. Lygisterpollenites, Site 1166, B:3:39
Balmiopores holodictyus, Site 1167, B:2:6
Balnoepsis limbata, Site 1165, B:2:17
barronii, Fragilariopsis, Site 1165, A:3:32; B:6:4–5
barronii, Fragilariopsis sp. cf. Fragilariopsis, Site 1165, A:3:30–31; B:6:4
barronii s.s., Fragilariopsis, Site 1165, A:3:31; B:6:4
bassensis, Uvigerina, Site 1166, A:4:19
Bathydiaphon sp. 1, Site 1165, A:3:24–25; B:4:5, 7–9, 22
Bathydiaphon sp. 2, Site 1165, A:3:24; B:4:7
Batiacaphera sp. A, Site 1165, B:2:8, 20
Batiacaphera sp. B, Site 1165, B:2:8, 20
Batiacaphera sp. C, Site 1165, B:2:20
Batiacaphera spp., Site 1165, B:2:4–5, 7–8
Battenipollis sectilis
Site 1165, B:2:8, 18
Site 1166, B:3:6, 8, 10
Battenipollis senectus, Site 1165, B:2:3
beardmoreensis, Nothofagus, Site 1166, B:3:9
Beaufreutides elegansiformis, Site 1166, B:3:39
biora, Globocassidulina
Site 1166, A:4:19
Site 1167, A:5:16
bisecta, Reticulofenestra, Site 1165, B:11:5–6
bisecta, Dictyococcites, Site 1165, A:3:29
block phytolith, Site 1165, B:5:6, 12
Botryococcus sp., Site 1165, B:2:5
brachyspinulosus, Nothofagidites
Site 1166, B:3:6
Site 1167, B:2:18
bradyi, Eggereilla, Site 1165, A:3:26; B:4:10
bradyi, Karreriella, Site 1165, A:3:26
Brassopora spp., Site 1166, B:3:5–6
Brigantedinium pynei, Site 1166, B:2:5, 8, 19
cf. Brigantedinium simplex, Site 1165, B:2:19
bullatus, Camarozonosporites
Site 742A, B:3:14
Site 1166, B:3:7, 11
bullatus var., Camarozonosporites, Site 1166, B:3:42
bulliform phytolith, Site 1165, B:5:3, 12
bulloides, Globigerina, Site 1165, A:3:22; B:4:5–6

C
Calcidiscus leptoporus
Site 1165, A:3:27; B:11:4
Site 1167, A:5:16–17
Callitriche, Site 1166, B:3:11
Camarozonosporites bullatus
Site 742A, B:3:14
Site 1166, B:3:7, 11
Camarozonosporites bullatus var., Site 1166, B:3:42
canariensis, Haplophragmoides, Site 1165, B:4:23, 40–41
Cancri nuttallii, Site 1165, B:4:25
caracteristicus, Hemiaulus, Site 1166, A:4:24, 29
caribbeana, Gephyrocapsa
Site 1165, A:3:27; B:11:4–5
Site 1167, A:5:17
carteri, Helicosphaera, Site 1165, B:11:5
Cassidulina spp., Site 1166, A:4:19; B:4:15
Catapsydrax dissimilis, Site 1165, A:3:23; B:4:6
Catapsydrax sp., Site 1165, A:3:23
Catapsydrax unicus, Site 1165, A:3:23; B:4:6
centrocarpum, Operculodinium, Site 1166, B:3:9
Ceratocyrtis stigi, Site 1165, A:3:37
Ceratosporites aequalis, Site 1165, B2:4, 17
Ceratosporites sp. cf. Ceratosporites aequalis, Site 1166, B3:41
challengerae, Amphymenium, Site 1165, A3:36
corporae, Repmanina, Site 1165, B4:8
chonetopodiaceoides, Chenopodipollis, Site 1166, B3:15
Chenopodipollis chonetopodiaceoides, Site 1166, B3:15
Chi Zone
   Site 1166, A4:25
   Site 1167, A5:18
Chiasmolithus sp., Site 1165, B11:5
Cibicides lobatulus, Site 1165, B4:24, 40–41
Cibicides mundulus, Site 1165, B4:8
Cibicides spp., Site 1165, B13:7
Cibicides subhaidingeri, Site 1165, B4:8, 10
Cobicidoides mundulus, Site 1165, A3:24
Cobicidoides subhaidingeri, Site 1165, A3:24, 26
Cicatricosisporites, Site 1166, B3:10
Cicatricosisporites australiensis
   Site 742A, B3:14
   Site 1165, B2:4, 17
   Site 1167, B2:6–7
Cinctus, Nothofagidites, Site 1166, B3:6
clevei, Tricolporites
   Site 1165, A3:31
   confessus, Tricolporites, Site 1166, B3:11
convalis, Mnyolitha, Site 1165, A3:27; B11:4, 6
Cooksonites variabilis, Site 1167, B2:8, 17
Coptospora, Prydz Bay, B1:11
Coptospora sp. A, Site 1166, B3:7, 42
Coptospora sp. B, Site 1165, B2:5, 7–9, 11, 20
cornuta, Trinacria, Site 1166, A4:24
Corollina spp., Site 1165, B2:3, 5–6, 8, 10
Corollina torosa, Site 1167, B2:6–7, 17
Corrudinium sp. cf. Corrudinium incompositum, Site 1166, B3:4, 38
corrugata, Wuroia, Site 1166, B3:10, 41
Corsinippus epilobioides, Site 1166, B3:15
costata, Rhizosolenia, Site 1165, A3:32; B6:5
Crasedodiscus moellerii, Site 1166, A4:24
crassa, Globocassidulina, Site 1166, A4:19
crassa biora, Globocassidulina
   Site 1166, B4:15
   Site 1167, B4:24, 40–41
crassa crassa, Globocassidulina, Site 1166, B4:15, 24, 40–41
crassa rossensis, Globocassidulina
   Site 1166, B4:15
   Site 1167, B4:24, 40–41
crenulata, Ebriopsis, Site 1166, A4:24
Crucidenticula kanayae, Site 1165, A3:35, 42
Crucidenticula kanayae Zone, Site 1165, A3:35
cubic phyolith, Site 1166, B5:6, 12

Cupaneidites sp. cf. Cupaneidites orthoteichus, Site 1166, B3:8
Cupresaccites sp., Site 1166, B3:11, 43
curta, Fragilariopsis, Site 1166, A4:21, 23
Cyathidites, Site 1166, B3:11
Cycladophora golli regipileus, Site 1165, A3:38
Cycladophora golli regipileus Zone, Site 1165, A3:38
Cycladophora humerus, Site 1165, A3:37
Cycladophora plicenica
   Site 1166, A4:25
   Site 1167, A5:18
Cycladophora spongothorax, Site 1165, A3:37
Cycladophora spongothorax Zone, Site 1165, A3:37
Cyclammina incisa, Site 1165, A3:23–25; B4:5, 7–9, 22, 40–41
Cyclammina/Bathygnoph sp. 1 assemblage, Site 1165, A3:25; B4:8–9
Cyclicargolithus abiseptus, Site 1165, A3:28; B11:5
Cyclicargolithus floridanus, Site 1165, A3:28; B11:4–6
Cyclopsiella sp., Site 1166, B3:37
cyniformis, Deflandrea, Site 1166, B3:4
cyclindrica, Antarctissa
   Site 1166, A4:25
   Site 1167, A5:18
Cynatiophora? invaginata, Site 1165, B2:4–5, 8–9, 20
cf. Cynatiophora? invaginata, Site 1165, B2:20

D
Dacrycarpis australiensis
   Site 1165, B2:3
   Site 1166, B3:11
Dacrycarpus, Site 1166, B3:9
Dacrydium, Site 1166, B3:9
Dactylidosolen antarcticus, Site 1165, A3:36
danica, Pterotheca, Site 1166, A4:24
daviesii, Reticulofenestra
   Site 1165, A3:29; B11:5
   Site 1166, A4:20
Deflandrea antarctica, Site 1166, B3:4, 13, 15–16, 34
Deflandrea antarctica complex, Site 1166, B3:34
Deflandrea antarctica-Flounderensis—Phosphoritic plexus,
   Site 1166, B3:4
Deflandrea asymmetrica, Site 1166, B3:4, 34
Deflandrea cyaniformis, Site 1166, B3:4
Deflandrea flounderensis, Site 1166, B3:4
Deflandrea obeifieldensis, Site 1166, B3:13
Deflandrea phosphoritica, Site 1166, B3:4
Deflandrea "pydzensis"
   Site 1165, B2:4, 8
   Site 1166, B3:4–5, 7, 13, 16, 34
Deflandrea sp. cf. Deflandrea asymmetrica, Site 1166, B3:4, 34
Deflandrea sp. cf. Deflandrea flounderensis, Site 1166, B3:4
Deflandrea spp., Site 742, B3:14
deflandrei, Discoaster, Site 1165, B11:5
deflandrei, Discoaster sp. aff. Discoaster, Site 1165, A3:28
Densoisporites sp., Site 1165, B2:5
Densoisporites sp. cf. Densoisporites simplex, Site 1165, B2:20
denticulata, Antarctissa, Site 1167, A5:18
denticuloïdes, Nitzschia, Site 1165 • Fragilariopsis barronii s.s., Site 1165

VOLUME 188 TAXONOMIC INDEX

denticuloïdes, Nitzschia, Site 1165, A3:34

Denticulopsis dimorpha
Site 1165, A3:34
Site 1167, A5:17

Denticulopsis dimorpha Zone, Site 1165, A3:34

Denticulopsis maccoluimi, Site 1165, A3:34–35

Denticulopsis maccoluimi Zone, Site 1165, A3:34–35

Denticulopsis meridionalis, Site 1165, A3:34

Denticulopsis praedimorpha, Site 1165, A3:30, 34

Denticulopsis praedimorpha Zone, Site 1165, A3:34

Denticulopsis praedimorpha–Nitzschia denticuloïdes Zone, Site 1165, A3:34

Denticulopsis simonsenii, Site 1165, A3:34

Denticulopsis simonsenii Zone, Site 1165, A3:33–34

Denticulopsis simonsenii–Nitzschia grossepunctata Zone, Site 1165, A3:34; B4:10

Dictyoeca spp., Site 1165, A3:33; B1:13
Dictyoeca anticoricus, Site 1165, A3:27
Dictyoeca bisectus, Site 1165, A3:29
dictyoides, Psammadiumochium, Site 1166, A4:24
Dictyoecocidites sp. ?, Site 1166, B3:41
Dictyoecocidites spp., Prydz Bay, B2:8
Didecitriletes ericianus, Site 1165, B2:4, 10
digitatus, Perforotricolpites, Site 1166, B3:15
Dilwynites granulatus, Site 1166, B3:42

Dilwynites sp.
Site 1165, B2:3
Site 1166, B3:11

Dilwynites sp. A
Site 1165, B2:5, 18
Site 1166, B3:7, 11, 42–43

Dilwynites sp. B, Site 1166, B3:7, 42–43

Dilwynites sp. cf. Dilwynites tuberculatus, Site 1166, B3:42
dimorpha, Denticulopsis
Site 1165, A3:34
Site 1167, A5:17

Discostephanus deflandrei, Site 1165, B11:5
Discostephanus sp. aff. Discostephanus deflandrei, Site 1165, A3:28
Discostephanus sp. cf. Discostephanus variabilis, Site 1165, B11:4, 6
dissimilis, Catapsydra, Site 1165, A3:23; B4:6
dissimilis, Hemiaulus, Site 1166, A4:24
Distephanosira (Melosira) architecturalis, Site 1166, A4:24

E
earlandi, Angulogerina, Site 1166, A4:19
Ebrinula paradoxa, Site 1166, A4:24
Ebrinupois crenulata, Site 1166, A4:24
echolsi, Astronion, Site 1166, B4:40–41
edwardsii var., Gambierina, Site 1166, B3:6, 8, 39
Eggerella bradyi, Site 1165, A3:26; B4:10
Ehrenbergina glabra, Site 1167, B4:21
Ehrenbergina spp., Site 1166, A4:19; B4:15
elegantiformis, Beaupreauites, Site 1166, B3:39
elliptipora, Thalassiosira
Site 1165, A3:30
Site 1166, A4:23; B6:5
Emiliania huxleyi, Site 1165, A3:27; B11:4–5
Emeadoecysta partridgei
Site 742, B3:14

Site 1165, B2:4–5, 8
Site 1166, B3:4–5, 15–16, 35
Entopyla spp., Site 1165, A3:31
epibolithoïdes, Cosinipollis, Site 1166, B3:15
Epistominella exigua, Site 1165, A3:24; B4:8
Epistominella vitrea, Site 1165, A3:23–24, 26; B4:8, 10
Eponides sp. 1, Site 1165, A3:23
Eponides sp. 2, Site 1165, A3:23
Eponides tenera, Site 1165, B4:6
equalis, Ceratosporites sp. cf. Ceratosporites, Site 1166, B3:41
ericianus, Didecitriletes, Site 1165, B2:4, 10
ericsonii, Gephyrocapsa, Site 1167, A5:16
Eucalyptus
Site 1165, B2:3
Site 1166, B3:9
Eucaulaptia antarctica var. recta, Site 1166, A4:23
Eucyrtidium punctatum, Site 1165, A3:37
Euxosia irregularis, Site 1166, A4:24
Exesipollenites spp., Site 1165, B2:6, 10
Exesipollenites tumultus
Site 1165, B2:3, 5, 8, 17
Site 1166, B3:40
Site 1167, B2:6–7, 17
exigua, Epistominella, Site 1165, A3:24; B4:8
exiguus, Alabaminoidea, Site 1165, B13:13
extensa, Vozzenhikovia sp. cf. Gippslandica
Site 1165, B2:4
Site 1166, B3:4, 35

F
facetum, Glyphanoedinium, Site 1165, B2:5
facetum, cf. Glyphanodinium, Site 1165, B2:19
falconensis, Globigerina, Site 1166, A4:18; B4:14
fallax, Parebriopsis, Site 1166, A4:24
festucoid phytolith, Site 1166, B5:6, 12
filosa, Turbiosphaera, Site 1166, B3:15
filosa, Turbiosphaera sp. cf. Turbiosphaera, Site 1166, B3:35
Fischeripollis sp., Site 1166, B3:38
Fischeripollis sp. A, Site 1166, B3:6, 8, 37–38
Fissurina spp., Site 1165, A3:24; B4:8; B13:13
flemingii, Nothofagiellidites
Site 1165, B2:18
Site 1166, B3:5–6
floridanus, Cyclicargolithus, Site 1165, A3:28; B11:4–6
florinii, Lyygisterpollenites, Site 1166, B3:11
floundersensis, Deflandrea, Site 1166, B3:4
floundersensis, Deflandrea sp. cf. Deflandrea, Site 1166, B3:4
folded spherical phytolith, Site 1166, B5:4–5, 12
Foraminisporis asymmetricus, Site 1167, B2:6, 17
Fucitopes longus var., Site 1166, B3:6, 10, 39
Fucitopes sabulosus, Site 1165, B2:3, 18
Fucitopes sabulosus var., Site 1166, B3:6, 10, 39
Fucitopes sp. cf. Fucitopes longus, Site 1165, B2:3–4, 18
Fucitopes spp., Site 1165, B2:8, 18
Fucitopes stipulatus, Site 1166, B3:11
Foveogleicheniidites sp., Site 1165, B2:18
Fragilariopsis barronii, Site 1165, A3:32; B6:4–5
Fragilariopsis barronii s.s., Site 1165, A3:31; B6:4
**G**

Gambierina evadi, Site 1166, B3:6, 8, 39
Gambierina rudata
Site 1165, B2:3–4, 18
Site 1166, B3:6
Gambierina spp., Site 1166, B3:8, 10
Gartnerago obliquum, Site 1167, A5:16
gelida, Reticulofenestra, Site 1165, A3:27; B11:4
Gephyrocapsa caribbeanica
Site 1165, A3:27; B11:4–5
Site 1167, A5:17
Gephyrocapsa ericsonii, Site 1167, A5:16
Gephyrocapsa oceanica, Site 1165, B11:4
Gephyrocapsa sp.
Site 1165, A3:27
Site 1167, A5:16–17
gilli, Pinensula pupils sp. cf. Pinensula pupils, Site 1166, B3:10
gabra, Ehrenbergina, Site 1167, B4:21
glacialis, Spongrotrochus?
Site 1166, A4:25
Site 1167, A5:18
Gleichioidites sp. A, Site 1166, B3:7, 42
Globigerina bulloides, Site 1165, A3:22, B4:5–6
Globigerina falconensis, Site 1166, A4:18; B4:14
Globigerina praebulloides, Site 1165, A3:22; B4:6
Globigerina sp., Site 1167, A5:15; B4:23, 40–41
Globigerinita parkeriae, Site 1166, A4:19; B4:15
Globocassidulina biora
Site 1166, A4:19
Site 1167, A5:16
Globocassidulina crassa, Site 1166, A4:19
Globocassidulina crassa biora
Site 1166, B4:15
Site 1167, B4:24, 40–41
Globocassidulina crassa crassa, Site 1166, B4:15, 24, 40–41
Globocassidulina crassa rossensis
Site 1166, B4:15
Site 1167, B4:24, 40–41
Globocassidulina spp.
Site 1166, A4:19; B4:15
Site 1167, A5:16; B4:17, 20
Globocassidulina subglobosa, Site 1166, A4:19; B4:15, 24

**H**

halophora, Laticarmina, Site 1165, B4:10
hampendens, Svalbardella aff. Svalbardella, Site 1165, B2:4
hamnae, Vulcanella, Site 1166, A4:24
Hanzawaia mantaensis, Site 1165, A3:24; B4:8
Haplophragmoides canariensis, Site 1165, B4:23, 40–41
Haplophragmoides sp., Site 1166, A4:19; B4:14–15
hagi, Reticulofenestra, Site 1165, A3:28; B11:4–5
hastata, Kannoa, Site 1166, A4:24
Helicosphaera carteri, Site 1165, B11:5
Helicosphaera sp., Site 1165, A3:28; B11:5
Helicosphaera sp. cf. Helicosphaera paleocarteri, Site 1165, A3:28; B11:5
Holotholus vema, Site 1165, A3:36
Hemiaulus characteristicus, Site 1166, A4:24, 29
Hemiaulus dissimilis, Site 1166, A4:24
Hemiaulus incisus, Site 1166, A4:24
cf. Hemicystodinium zoharyi, Site 1166, B3:36
Hemidiscus ovalis Zone, Site 1165, A3:33
Hemidiscus triangularis, Site 1165, A3:33, 35
hesslandii, Reticulofenestra
Site 1165, A3:28; B11:5
Site 1166, A4:20
heteroanthum, Heterosphaeridium, Site 1166, B3:10, 41
Heterosphaeridium heteroanthum, Site 1166, B3:10, 41
heterus, Nothofagi, Site 1166, B3:6
hexaporus, Periporopollenites, Site 1166, B3:6, 8–9, 38
hispidocosta, Uvigerina, Site 1167, B4:21, 23, 40–41
holodictyus, Balmeisporites, Site 1167, B2:6
Homotryblium tasmaniense, Site 1166, B3:4
humerus, Cycladophora, Site 1165, A3:37
huxleyi, Emilania, Site 1165, A3:27; B11:4–5
Hyperammina, Site 1165, B4:5, 22

Hystrichosphaeridium tubiferum, Site 1166, B3:15, 36

I

Ilexpollenites sp., Site 1166, B3:39

Impagidinium sp. cf. Impagidinium victorianum

Site 1165, B2:4

Site 1166, B3:37

incisa, Cyclammina, Site 1165, A3:23–25; B4:5, 7–9, 22, 40–41

incus, Hemiaulus, Site 1166, A4:24

incosspicuum, Corrudinium sp. cf. Corrudinium, Site 1166, B3:4, 38

incrassata, Nothofagidites, Site 1166, B3:6

ingens, Actinocyclus

Site 1165, A3:30–31, 34–35; B6:4

Site 1166, A4:21

ingens var. nodus, Actinocyclus, Site 1165, A3:34

Inoceramus, Site 1166, B1:6

Insigna, Thalassiosira

Site 1165, A3:32

Site 1166, A4:23; B6:5

Insigna/mura, Thalassiosira, Site 1166, A4:23

Intrericorisus sp. Site 1166, B3:38

interfrigidaria, Fragilariopsis, Site 1165, A3:32; B6:4

inura, Thalassiosira, Site 1165, A3:32–33; B6:5

invaginauta, Cymatosphaerella, Site 1165, B2:4–5, 8–9, 20

irregular spherical phytolith, Site 1166, B5:5, 12

irregularis, Euroisia, Site 1166, A4:24

Isabelidinium variable, Site 1166, B3:10, 41

Ichyosporites punctatus, Site 1167, B2:17

J

Jacksonii, Thalassiosira, Site 1165, A3:32

Jafarii, Umbilicosphaera, Site 1165, A3:28; B11:5

K

Kanayae, Crucidenticula, Site 1165, A3:35, 42

Kanooa hastata, Site 1166, A4:24

Karreriella bradyi, Site 1165, A3:26

Kennettii, Asteromphalus, Site 1165, A3:33–34

Kerguelensis, Fragilariopsis

Site 1165, A3:30–31

Site 1166, A4:22

Kisseleviella sp. G, Site 1166, A4:24

Kittoanii, Stictodiscus, Site 1166, A4:24

Kolbei, Thalassiosira

Prydz Bay, A1:14

Site 1165, A3:30–32; B6:4

Site 1166, A4:22, 28; B6:5

Kopiensis, Proteacidites sp. cf. Proteacidites, Site 1166, B3:39

Krauseelisporites maju

Site 742A, B3:14

Site 1166, B3:41

L

Larvata, Acrosphaera?, Site 1165, A3:37

Labrynthius, Nematosphaeropsis, Site 1166, B3:9

Lachlaniae, Nothofagidites

Site 1165, B2:18

Site 1166, B3:5–7

Lachlaniae, Nothofagidites sp. cf. Nothofagidites, Site 1167, B2:18

Lacunosa, Pseudoemiliania

Site 1165, A3:27; B11:5

Site 1167, A5:16–17

Laevigatosporites sp. A, Site 1166, B3:7, 11, 42

Lagarostrobus, Site 1166, B3:9, 11

Lagena spp., Site 1165, A3:24; B4:8

“lapis” ms., Proteacidites, Site 1166, B3:39

Laticarinina halophora, Site 1165, A3:30–32; B6:4

Site 1166, A4:22, 28; B6:5

Laticarinina pauperata, Site 1165, A3:26

Lithelium nautilodes, Site 1166, B3:14

Lobatulus, Cibicides, Site 1167, B4:24, 40–41

Longus, Forcipites sp. cf. Forcipites, Site 1165, B3:2–4, 18

Longus var., Forcipites, Site 1166, B3:6, 10, 39

Lygistepollenites florini, Site 1166, B3:11

Lygistepollenites sp. cf. Lygistepollenites balmei, Site 1166, B3:39

Lynocanoma grande, Site 1165, A3:37

M

Maccollumii, Denticulopsis, Site 1165, A3:34–35

Machherophorum, Lingulodinium, Site 1166, B3:9

Macmuroense, Spinidinium, Site 1166, B3:15, 36

Majus, Krauseelisporites

Site 742A, B3:14

Site 1166, B3:41

Malvacipollis spp., Site 1166, B3:8

Mantaensis, Hanzawaia, Site 1165, A3:24; B4:8

“Marchantiaeacae,” Site 1165, B2:9, 20

Mawsonii, Phyllocladidites

Site 742A, B3:14

Site 1165, B2:4–5, 18

Mawsonii var., Phyllocladidites, Site 1166, B3:7, 11–12, 16, 43

Mays, Zea, Site 1165, B5:3

Melonis pompiliodes, Site 1166, B13:13

Meridianalis, Denticulopsis, Site 1165, A3:34

 Merrinia, Site 1166, B3:15

Microbaculispora tentula

Site 1165, B2:4

Site 1166, B3:40

Microcachryidites antarcticus

Site 742A, B3:14

Site 1167, B2:6–8, 18
Microcachryidites antarcticus var., Site 1166, B3:11, 43
Microcachrys, Site 1166, B3:9, 11
microsaccatus, Podosporites, Site 1166, B3:6
minuta, Reticulofenestra, Site 1165, A3:27–28; B11:4–5
minutula, Reticulofenestra, Site 1165, A3:27; B11:4
Minylitha convallis, Site 1165, A3:27; B11:4, 6
miocenica, Thalassiosira, Site 1165, A3:33
miopelagicus, Coelosphaera, Site 1166, A4:24
moellerii, Craspedodiscus, Site 1166, A4:24
monile, Pseudorutilaria, Site 1165, A3:33
miocenica, Thalassiosira, Site 1165, A3:28; B11:5
murdagana, Cibicidoides, Site 1165, B4:8
murdagana, Cibicidoides, Site 1165, A3:24
murrayana, Acrosphaera, Site 1165, A3:37

N

nautilodes, Lithelium, Site 1166, A4:25
Nematosphearaopis labyrinthus, Site 1166, B3:9
Neogloboquadrina pachyderma
Site 1165, A3:22; B4:5; B13:5–6, 11–13, 33
Site 1166, A4:19–19; B4:15–15
Site 1167, A5:14–16, 22; B4:17, 20, 22–23, 40–41
Neogloboquadrina pachyderma (sinistral)
Site 1165, B3:5–6, 11–13, 33
Site 1166, B1:6–11
Site 1167, B4:6
Neogloboquadrina pachyderma Zone
Site 1166, B4:13
Site 1167, A5:14–15; B4:17
neosoldanii, Gyroidinoides, Site 1165, B4:25, 40–41
nephroides, Selenopemphix sp. cf. Selenopemphix, Site 1165, B2:19
new taxa, Site 1166, B3:6, 38
Nitzschia cf. denticuloides, Site 1165, A3:34
Nitzschia denticuloides, Site 1165, A3:34
Nitzschia denticuloides Zone, Site 1165, A3:34
Nitzschia grossepunctata Zone, Site 1165, A3:34
Nitzschia reinholdii Zone, Site 1165, A3:33
Nothofagidites, Prydz Bay, B1:11
Nothofagidites americanus, Site 1166, B3:6
Nothofagidites asperus
Site 1165, B2:5
Site 1166, B3:6
Nothofagidites asperus complex, Site 1166, B3:6
Nothofagidites asperus Zone, Site 1166, A4:25; B1:6–7
Nothofagidites brachyspinulosus
Site 1166, B3:6
Site 1167, B2:18
Nothofagidites brachyspinulosus complex, Site 1166, B3:6, 39
Nothofagidites cinctus, Site 1166, B3:6
Nothofagidites Flemingii
Site 1165, B2:18
Site 1166, B3:5–6
Nothofagidites Flemingii complex
Site 1165, B2:5
Site 1166, B3:6, 15, 39
Nothofagidites goniatatus
Site 1165, B2:4
Site 1166, B3:5–6, 38

Nothofagidites heterus, Site 1166, B3:6
Nothofagidites incrassata, Site 1166, B3:6
Nothofagidites lachlaniae
Site 1165, B2:18
Site 1166, B3:5–7
Nothofagidites lachlaniae complex
Site 1165, B2:4–5, 11
Site 1166, B3:6, 9, 15
Nothofagidites rocaensis, Site 1166, B3:6
Nothofagidites saraensis
Site 1166, B3:6
Site 1167, B2:18
Nothofagidites senectus, Site 1165, B2:3
Nothofagidites sp. cf. Nothofagidites lachlaniae, Site 1167, B2:18
Nothofagidites sp. cf. Nothofagidites senectus, Site 1167, B2:18
Nothofagidites spp.
Site 742, B3:14
Site 1165, B2:3–5, 8, 10–11; B5:7
Site 1166, B3:14, 16
Site 1167, B2:6–7
Nothofagidites tehuelchessis, Site 1166, B3:6
Nothofagidites waipawensis, Site 1166, B3:6
Nothofagus
Site 1165, B1:7, 21; B2:10
Site 1166, B3:5–6, 8, 15–16
Nothofagus beardmoreensis, Site 1166, B3:9
Nothofagus gunnii, Site 1166, B3:16
Nothofagus solandri var. cliffortiodes, Site 1165, B5:5
nuttallii, Cancris, Site 1165, B4:25
Nutallides umbonifera, Site 1165, B13:7

O

oamaruensis, Stephanopyxis, Site 1166, A4:24
obeisfieldensis, Deflandrea, Site 1166, B3:13
obliquum, Gartnerago, Site 1167, A5:16
obcura, Schematophora, Site 1166, B3:34, 36
obcura, Schematophora sp. cf. Schematophora, Site 1166, B3:36
obcurus, Australopollis, Site 1166, B3:10–11, 43
obcurus, cf. Australopollis, Site 1166, B3:43
oceanica, Gephyrocapsa, Site 1165, B1:4
Octodinium askinae, Site 1166, B3:39
Octodinium spp., Site 1166, B3:16
Odontochitina porifera, Site 1164, B2:4, 8–9, 17
oestrupii, Thalassiosira, Site 1165, A3:33; B6:5
oliverana, Thalassiosira, Site 1165, A3:33
Operculodinium centrocarpum, Site 1166, B3:9
Oridorsalis umbonatus, Site 1165, A3:23, 26; B4:7, 9
Oraimentifera sentosa, Site 1166, B3:11
Oroscena spp., Site 1165, B4:10
orthoteichus, Cupaneidites sp. cf. Cupaneidites, Site 1166, B3:8
Osangulariella umbonifera, Site 1165, B13:7, 13
Osmundacidites spp. cf. Osmundacidites wellmanii, Site 1166, B3:41
ovata, Pseudoemiliania, Site 1165, B11:4
VOLUME 188 TAXONOMIC INDEX

pachyderma, Neogloboquadrina • Psi Zone

P

pachyderma, Neogloboquadrina
Site 1165, A3:22; B4:5; B13:5–6, 11–13, 33
Site 1166, A4:18–19; B4:13–15
Site 1167, A5:14–16, 22; B4:17, 20, 22–23, 40–41
pachyderma (sinistral), Neogloboquadrina
Site 1165, B13:5–6, 11–13, 33
Site 1166, B16:1–11
Site 1167, B14:6
paenestriatus, Ailanthipites sp. cf. Ailanthipites, Site 1166, B3:43
palococerati, Helicosphaera sp. cf. Helicosphaera, Site 1165, A3:28; B11:5
pandus, Tritonites, Site 149/GC47, B3:14
panicoid phytolith, Site 1165, B5:3, 12
paradoxa, Ebrinula, Site 1166, A4:24
Paralia sulcata, Site 1165, A3:31
Parebriopsis fallax, Site 1166, A4:24
parkeae, Globigerinita, Site 1166, A4:19; B4:15
partridgei, Enmeacedosta
Site 742, B3:14
Site 1165, B2:4–5, 8
Site 1166, B3:4–5, 15–16, 35
parvus, Podosporites, Site 1166, B3:6
Paucliolobimorpha (al Tritonites) spinosus, Site 1166, B3:4, 34
pauperata, Laticarinina, Site 1165, A3:26
pelagica, Thalassiophora sp. cf. Thalassiophora, Site 1166, B3:36
pelagicus, Coccolithus
Site 1165, A3:28, 30; B11:4–5, 7
Site 1166, A4:20
Site 1167, A5:17
pellet spherical phytoplith
Site 1165, B5:5, 12
Site 1166, B5:5, 12
Peninsulapollis sp. cf. Peninsulapollis gillii, Site 1166, B3:10
Perforotricolpites digitatus, Site 1166, B3:15
Periporopollenites hexaporus, Site 1166, B3:6, 8–9, 38
Periporopollenites sp. cf. Periporopollenites polyoratus, Site 1166, B3:43
Periporopollenites “spinus” ms., Site 1166, B3:6, 38
perforeticulatus, Retinomicolpites, Site 1166, B3:43
perplexa, Reticulofenestra, Site 1165, A3:13, 27, 29; B11:4–7
Phriticum clevei
Site 1166, A4:25
Site 1167, A5:18
phosphoritica, Deflandrea, Site 1166, B3:4
Phyllocladidites, Prydz Bay, B1:11
Phyllocladidites mawsonii
Site 742A, B3:14
Site 1165, B2:4–5, 18
Phyllocladidites mawsonii var., Site 1166, B3:7, 11–12, 16, 43
Phyllocladidites mawsonii Zone, Site 1166, A4:25; B1:6; B3:7, 10–11
Phyllocladidites reticulosaccatus var., Site 1166, B3:7, 43
Phyllocladidites spp., Site 1166, B3:5
Phyllocladus, Site 1166, B3:9

Planulina wuellerstorfi, Site 1167, A5:16; B4:21
plate phytoplith, Site 1165, B5:6, 12
playfordii, Tigrisporites, Site 1167, B2:6
playfordii, Triplexisporites, Site 1167, B2:6, 10, 17
plicocerica, Cycladophora
Site 1166, A4:25
Site 1167, A5:18
Podocarpidites spp.
Site 742A, B3:14
Site 1165, B2:10
Site 1166, B3:5, 11, 16
Podocarpus–Praunopitys, Site 1166, B3:9, 11, 14
Podosporites microsaccatus, Site 1166, B3:6
Podosporites parvus, Site 1166, B3:6
Podosporites spp., Site 1166, B3:5, 9, 12
polymorphus, Proteacidites aff. Proteacidites, Site 1166, B3:43
polymorphus, Periporopollenites aff. Periporopollenites, Site 1166, B3:43
Polypodiisporites, Site 1166, B3:10
pontioides, Melonis, Site 1165, B1:13
porifera, Odontochitina, Site 1165, B2:4, 8–9, 17
praebulloides, Globigerina, Site 1165, A3:22; B4:6
praedimorpha, Denticulopsis, Site 1165, A3:30, 34
praefraga, Thalassiosira, Site 1165, A3:35–36, 42–43
praeinterfrigidaria, Fragilariopsis, Site 1165, A3:33
producta, Reticulofenestra, Site 1165, A3:27–28; B11:4–5
productus, Reticulofenestra, Site 1165, B11:4
Proteacidites aff. Proteacidites polymorphus, Site 1166, B3:43
Proteacidites angulatus var., Site 1166, B3:39
Proteacidites “lapis” ms., Site 1166, B3:39
Proteacidites scaboratus, Site 1165, B2:20
Proteacidites sp. cf. Proteacidites kopiensis, Site 1166, B3:39
Proteacidites sp. cf. Proteacidites scaboratus, Site 1165, B2:20
Proteacidites spp.
Site 1165, B2:5
Site 1166, B3:8, 17
Protellipsoidinium “simplex,” Site 1165, B2:4
Protellipsoidinium sp., Site 1165, B2:4, 7–8
Protellipsoidinium sp. 3, Site 1165, B2:8, 20
Protohaploxypinus
Site 1165, B2:10
Site 1166, B3:9
Pruonopyle titan, Site 1165, A3:36
“pyrzdensis”, Deflandrea
Site 1165, B2:4, 8
Site 1166, B3:4–5, 7, 13, 16, 34
Psammosphaera sp. 1, Site 1165, A3:25; B4:9
Pseudammodochium dictyoides, Site 1166, A4:24
Pseudammodochium sp. 1, Site 1165, A3:25; B4:9
Pseudammodochium sp. 3, Site 1165, B2:8, 20
Pseudoemiliania lacunosa
Site 1165, A3:27; B11:5
Site 1167, A5:16–17
Pseudoemiliania ovata, Site 1165, B11:4
Pseudorangaria monile, Site 1166, A4:24
Pseudoemiliania lacunosa, Site 1165, A5:16–17
Pseudoemiliania ovata, Site 1165, B11:4
Pseudorutilaria monile, Site 1165, A3:27
Pseudoemiliania lacunosa, Site 1165, B11:4
Pseudoemiliania lacunosa, Site 1165, A5:18
Psi Zone
Site 1166, A4:25
Site 1167, A5:18
VOLUME 188 TAXONOMIC INDEX

Pterocanium c. trilobum • stelligerum, Astronion, Site 1167

Pterocanium c. trilobum
 Site 1165, A4:25
 Site 1167, A5:18
Pterocanium spp., Site 1165, B2:19
Pterotheca danica, Site 1166, A4:24
Pullenia cf. subcarinata, Site 1165, A3:24
Pullenia spp., Site 1165, B13:13
punctatum, Eucyrtidium, Site 1165, A3:37
punctatus, Ischyosporites, Site 1167, B2:17
punctulata, Globorotalia
 Site 1165, A3:22; B4:S-6, 22, 40–41; B13:13
 Site 1167, A5:15; B4:18
pynei, Brigantedinium, Site 1165, B2:5, 8, 19
Pyxilla reticulata
 Site 1165, A3:30
 Site 1166, A4:24

R

region, Stereisporites, Site 1165, B2:18
Reophax, Site 1165, B4:5, 22
Repmanina charoides, Site 1165, B4:8
Repmanina spp., Site 1165, A3:24
reticulata, Pyxilla
 Site 1165, A3:30
 Site 1166, A4:24
reticulense, cf. Adnatosphaeridium, Site 1166, B3:36
Reticulofenestra asanoi, Site 1165, B1:4
Reticulofenestra bisecta, Site 1165, B11:5–6
Reticulofenestra daviesii
 Site 1165, A3:29; B11:5
 Site 1166, A4:20
Reticulofenestra gelida, Site 1165, A3:27; B11:4
Reticulofenestra haqii, Site 1165, A3:28; B11:4–5
Reticulofenestra hesslandii
 Site 1165, A3:28; B11:5
 Site 1166, A4:20
Reticulofenestra minuta, Site 1165, A3:27–28; B11:4–5
Reticulofenestra minutula, Site 1165, A3:27; B11:4
Reticulofenestra perplexa, Site 1165, A3:13, 27, 29; B11:4–7
Reticulofenestra producta, Site 1165, A3:27–28; B11:4–5
Reticulofenestra productus, Site 1165, B1:4
Reticulofenestra pseudoambilica, Site 1165, A3:27
Reticulofenestra pseudoambilicus, Site 1165, B11:4
Reticulofenestra samodurovii, Site 1165, A3:28; B11:5
Reticulofenestra spp.,
 Site 1165, A3:27; B11:4–5
 Site 1166, A4:20
reticulosaccatus var., Phyllocladidites, Site 1166, B3:7, 43
Rettmonolipites peroreticulatus, Site 1166, B3:43
Rettiriletes, Site 1166, B3:10
Rettiriletes spp.,
 Prydz Bay, B2:8
 Site 742A, B3:14
Rhododendron spp., Site 1165, A3:31
Rhizosolenia costata, Site 1165, A3:32; B6:5
ritscherii, Fragilariposi, Site 1165, A3:30–31
rocansis, Nothofagidites, Site 1166, B3:6
rotundum, Spinidiinium, Site 1166, B3:36
rotundum, Spinidiinium sp. cf. Spinidiinium, Site 1166, B3:4
rotundum, Vozzhenikovia, Site 1166, B3:15
Rouxia spp., Site 1166, A4:21–22

ruperta, Gambierina
 Site 1165, B2:3–4, 18
 Site 1166, B3:6
Rytidosperma, Site 1165, B5:3

S

sabulosus, Forcipites, Site 1165, B2:3, 18
sabulosus var., Forcipites, Site 1166, B3:6, 10, 39
samodurovii, Reticulofenestra, Site 1165, A3:28; B11:5
saraensis, Nothofagidites
 Site 1166, B3:6
 Site 1167, B2:18
scaboratus, Proteacidites, Site 1165, B2:20
scaboratus, Proteacidites sp. cf. Proteacidites, Site 1165,
 B2:20
Schematophora obscura, Site 1166, B3:4, 36
Schematophora sp. cf. Schematophora obscura, Site 1166,
 B3:36
scitula, Globorotalia, Site 1165, A3:22; B4:5
sectilis, Battenipollis
 Site 1165, B2:8, 18
 Site 1166, B3:6, 8, 10
Selenopemphix sp., Site 1166, B3:4, 37
Selenopemphix sp. cf. Selenopemphix nephroides, Site 1165,
 B2:19
Selenopemphix spp., Site 1165, B2:5
senectus, Battenipollis, Site 1165, B2:3
senectus, Nothofagidites, Site 1165, B2:3
senectus, Nothofagidites sp. cf. Nothofagidites, Site 1167,
 B2:18
sentosa, Ornamentiferia, Site 1166, B3:11
simonsenii, Denticulopsis, Site 1165, A3:34
simplex, cf. Brigantedinium, Site 1165, B2:19
simplex, Densoisporites sp. cf. Densoisporites, Site 1165,
 B2:20
“simplex,” Protellipsoidinium, Site 1165, B2:4
smooth spherical phytolith, Site 1165, B5:5, 12
solandri var. clifftoides, Nothofagus, Site 1165, B5:5
Sphagnum, Site 1166, B3:11
Sphenolithus abies, Site 1165, B11:4, 6
Sphenolithus spp., Site 1165, A3:28
spherical phytolith
 Site 1165, B5:4–8, 12
 Site 1166, B5:4–8, 12
Spinidiinium macmurdoenixe, Site 1166, B3:15, 36
Spinidiinium rotundum, Site 1166, B3:36
Spinidiinium sp. cf. Spinidiinium rotundum, Site 1166, B3:4
Spinidiinium sp. cf. Vozzhenikovia apertura, Site 1166,
 B3:37
Spinidiinium spp., Site 1166, B3:7
spinatus, Paucilobinomorpha (al Tritonites), Site 1166, B3:4,
34
spinatus, Tritonites, Site 1166, B3:4, 13, 34
“spinatus” ms., Periporopollenites, Site 1166, B3:6, 38
spinulose spherical phytolith, Site 1165, B5:5, 12
splendidus, Stephanopyxis, Site 1166, A4:24
sporangiothorax, Cycadolophora, Site 1165, A3:37
Spongrotrochus? glacialis
 Site 1166, A4:25
 Site 1167, A5:18
stelligerum, Astronion, Site 1167, B4:40–41
“stellus” ms., Stereisporites, Site 1166 • Tricolporites apoxyexinus, Site 1166

Thalassiosira insigna/inula, Site 1166, A:4:23
Thalassiosira imura, Site 1165, A:3:32–33; B:6:5
Thalassiosira imura Zone, Site 1165, A:3:32–33; B:6:5
Thalassiosira jacksonii, Site 1165, A:3:32
Thalassiosira kolbei
Prydz Bay, A:1:14
Site 1165, A:3:30–32; B:6:4
Site 1166, A:4:22, 28; B:6:5
Thalassiosira kolbei Zone
Site 1165, A:3:32; B:6:4
Site 1166, A:4:22; B:6:5–6
Thalassiosira lentiginosa Zone
Site 1165, A:3:31; B:6:4; B:13:12–13
Site 1166, A:4:21; B:6:5
Site 1167, A:5:14, 17; B:14:10
Thalassiosira miocenica, Site 1165, A:3:33
Thalassiosira oestrupii, Site 1165, A:3:33; B:6:5
Thalassiosira oestrupii Zone, Site 1165, A:3:33; B:6:5
Thalassiosira oestrupii–Nitzschia reinholdii Zone, Site 1165, A:3:35
Thalassiosira oliverana, Site 1165, A:3:33
Thalassiosira praefraga “a” Subzone, Site 1165, A:3:35–36
Thalassiosira praefraga “b” Subzone, Site 1165, A:3:35–36
Thalassiosira praefraga “c” Subzone, Site 1165, A:3:35
Thalassiosira praefraga Zone, Site 1165, A:3:35–36, 42–43; B:4:10
Thalassiosira striata, Site 1166, A:4:23
Thalassiosira striata–Thalassiosira vulnifica Zone
Prydz Bay, A:1:14
Site 1166, A:4:23
Thalassiosira torokina
Site 1165, A:3:33
Site 1166, A:4:21
Thalassiosira torokina Zone, Site 1165, A:3:33
Thalassiosira vulnifica
Site 1165, A:3:32; B:6:4
Site 1166, A:4:22–23, 28; B:6:5
Thalassiosira vulnifica Zone
Prydz Bay, A:1:14
Site 1165, A:3:32; B:6:4
Site 1166, A:4:22, 25
Thoracosphaera sp., Site 1167, A:5:16–17
Tigrisporites playfordii, Site 1167, B:2:6
titan, Pranopy, Site 1165, A:3:36
torokina, Thalassiosira
Site 1165, A:3:33
Site 1166, A:4:21
torosa, Corollina, Site 1167, B:2:6–7, 17
triangularis, Hemidiscus, Site 1165, A:3:33, 35
Triceraspis antarctica
Site 1166, A:4:25
Site 1167, A:5:18
Trichotomosulcites subgranulatus, Site 1166, B:3:6
Trichotomosulcites subgranulatus complex, Site 1166, B:3:7
Trichotomosulcites subgranulosus complex
Site 1165, B:2:4
Site 1166, B:3:5–6, 12
Trichotomosulcites subgranulosus var., Site 1166, B:3:6, 11, 43
Tricolpites sp. A, Site 1166, B:3:15
Tricolporites apoxyexinus, Site 1166, B:3:11, 39

Tasmaniae, Archaeosphaeridium, Site 1166, A:4:24
Tasmaniens, Homotrybium, Site 1166, B:3:4

Thalassiosira insigna/inula, Site 1166, A:3:36–37
Site 1166, A:4:25
tenora, Eponides, Site 1165, B:4:6
Tentula, Microbaculispora
Site 1165, B:2:4
Site 1166, B:3:40
Tetracolporites verrucosus, Site 1166, B:3:39
Tetradites sp., Site 1166, B:3:39
Thalassiotheca sp. cf. Thalassiotheca pelagica, Site 1166, B:3:36
Thalassiosira elliptipora
Site 1165, A:3:30
Site 1166, A:4:23; B:6:5
Thalassiosira insigna
Site 1165, A:3:32
Site 1166, A:4:23; B:6:5
Thalassiosira insigna–Thalassiosira vulnifica Subzone “a,”
Site 1165, B:6:4
Thalassiosira insigna–Thalassiosira vulnifica Subzone “b,”
Site 1166, A:4:22
Thalassiosira insigna–Thalassiosira vulnifica Zone
Site 1165, A:3:32
Site 1166, A:4:22, 25
Tricolporites apoxyexinus Zone, Site 1166 • zones (with letter prefixes)

Tricolporites apoxyexinus Zone, Site 1166, B3:10–11
Tricolporites confessus, Site 1166, B3:11
Tricolporites lillei, Site 1165, B2:3, 18
Tricolporites sp. cf. Tricolporites apoxyexinus, Site 1165, B2:18
Tricolporites/Phimopollenites sp., Site 1165, B2:18
Trifarina angulosa
Site 1166, B4:15
Site 1167, B4:21, 23–24, 40–41
Trifarina spp., Site 1167, B4:17
Trifarina trilobum, Pterocanium cf.
Site 1166, A4:25
Site 1167, A5:18
Trinacria cornuta, Site 1166, A4:24
Trinovantedinium sp., Site 1165, B2:5
Triplexisporites playfordii, Site 1167, B3:4, 13, 34
Tritonites pandus, Site 1166, B4:15
Tritonites spinosus, Site 1166, B3:4, 13, 34
Tritonites vulnifica, Thalassiosira cf.
Site 1165, A3:32; B6:4
Site 1166, A4:22–23, 28; B6:5
V

Vergulina spp., Site 1165, B4:8
vitreus, Epistominella, Site 1165, A3:23–24, 26; B4:8, 10
Vozhenikovia apertura
Site 742, B3:14
Site 1166, B3:15
Vozhenikovia rotundum, Site 1166, B3:15
Vozhenikovia sp. cf. Gippslandica extensa
Site 1165, B2:4
Site 1166, B3:4, 35
Vulcanella hannae, Site 1166, A4:24
Vulcanella sp. cf. Helotholus, Site 1165, A3:36
Vazzozenkovia apertura
Site 742, B3:15
Site 1166, B3:15
Vazzozenkovia rotundum, Site 1166, B3:15
Vazzozenkovia sp. cf. Gippslandica extensa
Site 1165, B2:4
Site 1166, B3:4, 35
Vulcanella hannae, Site 1166, A4:24
Vullofini, Thalassiosira
Site 1165, A3:32; B6:4
Site 1166, A4:22–23, 28; B6:5

W

waipawensis, Nothofagidites, Site 1166, B3:6
weaveri, Fragilariopsis, Site 1165, A3:23; B6:4
wellmani, Osmundacrites sp. cf. Osmundacrites, Site 1166, B3:41
Wollemia, Site 1166, B3:9, 11
wood, Globorotalita, Site 1165, A3:23
woodi, Globoroturbo, Site 1165, A3:22; B4:6
wuellerstorfi, Planulina, Site 1167, A5:16; B4:21
Wuroia corrugata, Site 1166, B3:10, 41

Z

Zea mays, Site 1165, B5:3
zoharyi, cf. Hemicyctodinium, Site 1166, B3:36
zones (with letter prefixes)

AN3, Site 1165, A3:23; B4:6
AN5, Site 1165, A3:22; B4:6
AN7, A4:18; A5:14; B4:13, 17
CN1–CN2, Site 1165, A3:28, 38
CN1–CN3, Site 1165, B1:5
CN2–CN3, Site 1165, A3:28; B1:5
CN4, Site 1165, A3:28
CN5, Site 1165, B1:6
CN5–CN11, Site 1165, A3:27
CN5a, Site 1165, B1:4
CN5b–CN9, Site 1165, B1:4
CN7–CN9, Site 1165, B1:6
CN8, Site 1165, A3:27; B1:4
CN9, Site 1165, A3:27; B1:4
CN12, Site 1167, A5:14
CN12–CN14a, A3:27; A5:17
CN13b, A5:14, 17, 22; B1:4
CN13b–CN15, Site 1165, B1:6
CN14a, A5:22; B1:4
CN14b, Site 1165, B1:4
CN15, Site 1165, A3:27; B1:4
CP19b–CN3, Site 1165, A3:28
P8, Site 1166, B3:5
P9, Site 1166, B3:5
P10–11, Site 1166, B3:5