Journal of Coastal Research	11	1	279–280	Fort Lauderdale, Florida	Winter 1995

SYSTEMATIC INDEX

Journal of Coastal Research
Annual Index Vol. 10 (Nos. 1–4), 1994

A

Abra ovata, 454
Abronia latifolia, 182
Acanthus ebracteatus, 1054
Aegialitis annulata R. Br., 1054
Aegiceras corniculatum (L.) Blanco, 1045
Alnus, 830
Ambrosia chamissonis, 193
Ammonia batava, 879
Ammophila
  arenaria (L.) Link, 178 *ff*, 264
  brevigulata Fern., 178 *ff*
Ammotium salsum, 995
Anabasis articulata, 985
Arenoparrella mexicana, 999
Artemisia herba alba, 985
Astrononion sp. 995
Avicennia
  eucalytifolia Zipp. ex. Miq., 1054
  germinas, 1079
  marina var. resinifera, 539
  marina (Forsk.) Vierh., 1054

B

Balanus spp., 378, 390
Betula, 831
Bruguiera
  exaristata Ding Hou, 1054
  parviflora (Roxb.), 1054

C

Cakile
  constricta, 133, 136
  edentula, 182
Calluna vulgaris, 266
Camptostemon schultzii Mast., 1054
Campylodiscus echeneis, 829
Carex arenaria, 265, 266
Cerastoderma glaucum, 448
Ceriops tagal (Perr.) C.B. Rob., 1054
Chamaesyce ammannoides, 138
Charadius marginatus, 747
Chenopodiaceae, 831
Chthamalus spp., 400
Cibicides sp., 995
Cladonia spp., 265
Clavatospora bulbosa, 1026
Cliona spp. 397
Cornicularia spp., 265
Coryloid, 831
Coyrnephorus canescens, 265
Crassotrea gigas, 466 *ff*
Cribrononion umbilicatulum, 995
Cyperaceae, 831
Cyperus sp., 928
Cyprideis torosa, 426
Cystoseira spp. 396

D

Dendropoma petraeum, 396, 406
Dendropoma spp., 397
Diploneis
  interrupta, 830
  smithii, 829
Distichlis spicata, 923, 984, 1011

E

Elphidium
  subarcticum, 995
  williamsoni, 985
  williamsoni Haynes, 877, 985
Elymus mollis, 182
Empetrum nigrum, 266
Erica tetralix, 266
Eriophorum angustifolium, 265
Exocoecaria agallocha L., 1054

F

Festuca rubra, 984
Fraxinus pennsylvanica Marsh., 1045
Froelichia floridana, 139

G

Galium verum, 265
Geranium sanguineum, 265
Gramineae, 831

H

Hammada scoparia, 985
Haplophragmoides
  bonplandi, 995
  manilaensis, 995
Heterotheca subaxillaris, 139
Hibiscus moscheutos, 1011
Hydrobia stagnorum, 462
Hydroprogne caspia, 750

I

Ilex vomitoria, 138
Ipomoea stolonifera, 141
Iva imbricata, 13, 137

J

Juncus
  balticus, 855
  roemerianus, 134, 1011
Juncus sp., 923, 984

L

Laguncularia racemosa, 1079
Larus
  atricilla, 40
  bulleri, 40
  dominicanus, 750
  maculipennis, 40
  pipixcan, 40
Lasthenia glabrata, 985
Lemna spp., 830
Limonium carolinianum, 984
Lithophaga lithophaga, 396
Lithophyllum
  incrustans, 402
  lichenoides, 396, 397
  lithophaga, 402
  lividus, 402
Lithothamnion, 376, 390
Lumnitzera racemosa Willd., 1054

M

Mactra corallina, 452
Miliammina fusca, 995
Mollusc spp. 444 *ff*
Molluscan taxa, 449
Muhlenbergia capillaris, 138
Mya arenaria, 483

N

Navicula distans, 829
Neogoniolithon notarisii, 406
Nitzschia
  navicularis, 829
  punctata, 829
Nyssa aquatica, 1045

O

Oenothera humifusa, 137, 138
Oligochinus lighti, 877
Olivella biplicata, 881
Ondatra zibethicus, 1027
Osbornia octodonta F. Muell., 1054
Ostrea edulis, 466 *ff*

P

Paracentrotus lividus, 396
Paralia sulcata, 829
Patella
  aspera, 396
  rustica, 296
  ulyssiponensis, 396
Pelecanus occidentalis, 40
Pemphis acidula, 1054
Phalacrocorax carbo, 750
Pholas dactylus, 483
Phragmites australia, 984, 1011
Phragmites, sp. 829
  communis, 419
  mugo, 267
Pinus, 839
Potamides conicus, 4488
Potamogeton sp., 418
Potentilla pacifica, 855
Pseudothurammina limnetis, 995, 998

Q

Quercus, 830
Quinqueloculina angulostriata Cushmanand Valentine, 879

R

Rangia cuneata, 341
Rhizophora stylosa Griff., 1054
Rosa pimpinellifolia, 265
Ruppia maritima, 732
Rynchops niger, 40

S

Saccostrea cucullata, 378, 390
Salicornia spp., 1079
Salix repens, 265
Sapium sebiferum (L.) Roxb., 1046
Sargassum, spp., 396
Schizachyrium maritimum, 138
Scirpus sp., 984
  olneyi, 1011
Scyphiphora hydrophylacea Gaertn., 1054
Serpulorbis arenarius, 396
Smilax bona-nox, 138
Solidago sp., 984
Soneratia alba Sm., 1054
Spartina sp. 823, 923
  alterniflora, 994, 1011, 1021
  anglica, 466
  cynosuroides, 1011, 1012
  patens, 984, 1011, 1021
  pectinata, 984
Sphagnum, 831
Spheniscus demersus, 750
Sterna antilarum, 40

T

Taxodium distichum, 1045
Tiphotrocha comprimata, 995
Triglochin maritimum, 855, 984
Trochammina
  inflata, 995
  macrescens, 995
  pacifica Cushman, 877
Typha
  angustifolia, 830, 984
  latifolia, 419

U

Uniola paniculata, 134

V

Vermetus triqueter, 396

X

Xylocarpus australasicus Ridley, 1054

Journal of Coastal Research	11	1	281–286	Fort Lauderdale, Florida	Winter 1995

SUBJECT INDEX

Journal of Coastal Research
Annual Index Vol. 10 (Nos. 1–4), 1994

A

Accelerator mass spectrometry (AMS), 991
Accretionary shoreline bulges, 324
Accropode block, breakwater armoring, 789
Across-shore profiles, 301
Aeolian
  effectivity, in foredune development, 193
  processes, 191
Aerial photographs
  distortion in, 552
  of coastal dunes, 192
Aggregates, coastal sediments, 425
Agricultural runoff, to coastal areas, 419
Air photo mapping, beach elevations, 309
Air-sea interface, 629
Airy wave theory, 3
Allen's formula, 689
Allerod warm events, 933
Allyn and Carpenter's formula, 689
Amphidromic point, 72
Antecedent
  channels, 925
  soils, 923
Anti-dunes, on beaches, 969
Aquatic humus, 803
Arctic
  air masses, 886
  frontal systems, 886
Arcuate delta coast, 965
Armoured rim, intertidal platform, 376
Artificial
  beach nourishment, 643
  beaches, 51
  dunes, ridges, 291, 894
  shoreline development, 48
  shores, 38
ASTM-certified sieves, 255
Astronomical tides, 117
Average
  sea-level rise, time series, 207
  significant wave height, 301
Avian reproduction, 40
Azores Anticyclone, 935

B

Backbarrier fringe marsh, 926
Backbeach, 888
Barrier island
  island, 959
  migrating, 926
  stabilization of, 754
  lagoons, tidal hypsography, 920
  reef, Hawaii, 253
Barrier-lagoon coast, 965
Baseline beach profiles, 2887
Bathing water quality, 531
Bathymetric survey, 310, 566
Bayous, meandering system, 809
Beach Evaluation Program (BEP), 362
Beach
  bulge, 323
  cusps, 154
  erosion, 122, 306 *et seq.*, 887
  face, 567
  grasses, on coastal foredunes, 178 *et seq.*
  gavel, 24
  morphodynamic state, 302
  morphological change, 646
  nourishment, 33, 133, 200, 639
  processes, 913
  profile
    changes, 23, 59, 154
    surveying, 147, 309, 885, 591
  recovery, stages of, 902
  response to erosion, 900
  ridges, 341, 621, 935
  rock, Lake Okeechobee, Florida, 342
  sand
    log-hyperbolic distribution, 251
    samples, 58, 147
    texture, 24, 588
  sediment
    budget, 567
    grain size, studies of, 360
  slope, 60
    mean grain size, 962
  step, morphological feature, 362
  survey, 571
Beachfill, 317
Beachrock, exposures of, 384
Bedding plane
  failure, in coastal cliffs, 670
  in cliff sediments, 668
Bedform
  ebb-oriented, 763
  map, ebb-tidal delta, 763
  profile, 654, 703
  rapid migration of, 298
Bedload sediment transport, 658
Bench-mark leveling, along coast, 146
Berm
  crest, data, 889, 203
  reconstruction, on eroded beaches, 890
  runnel, beach profile, 966
Bessel function, 253
Bias, in biomonitoring, 42
Bio-precipitate carbonate, 425
Bioclastics, coastal sediments, 425
Biocenosis, 441
Bioerosive
  forces, 395
  morphological elements, 397
Biogenically-induced calcite precipitation, 428
Biologic roughness, 335
Biological
  mean sea level, 396
  sea-level indicators, 395 *et seq.*
Biomonitoring, coastal bird populations, 39 *et seq*
Biostratigraphic sequence, 829
Biostratigraphy, 827
Biotechnical stabilization of shorelines, 34
Bioturbation, of sediments, 422
Blowouts, coastal dunes, 284
Boring sponges, 396
Botanical datum, 993
Bottom
  drag, 330
  sediments, chemistry of, 417
  shear stress, 329
Bouma sequence, 667
Boundary layer processes, 629
Break point, waves, 302
Breaker
  height, visual observation of, 320
  wave height, 717

zone, condition, 8
swash zone, 303
Breakwater, destabilization of, 789
British Railways Board, 466
Bruun/Dean profile model, 59
Bulk density cores, 652
Buoy data, 79 *ff*

C

CERC wave model, 80
Calcitic freshwater mud, 341
Caloosahatchee Formation, 341
Canals, silting up, 418
Capillary fringe, terraced pools, 378
Capping, polluted material disposal, 35
Carbonate cement, chemical dissolution, 376
Cartesian transformation, 550
Cartographic database, 550
Channel
cross sections, 811
morphology, inlet throat, 757
Channel-bank erosion, 1034
Chemical weathering, on intertidal platforms, 390
Choreline change, 307
Classification of coastal storms, 117
Cliff
recession rates, Oregon coast, 147
retreat, mechanisms of, 668
sediments, grain-size analysis, 150
stratigraphy, Oregon coast, 146
Climatic deterioration, minimal sunspot numbers, 943
Closure depth, 62
Cluster analysis, 743
Co-seismic displacement, on coasts, 399
Coarse-grained beach profile, 152
Coastal Engineering Research Center (CERC), 362
Coastal Engineering Data Retrieval System (CEDRS), 272
Coastal Modeling System (CMS), 576 *et seq.*
Coastal
bird populations, 39 *ff*
changes, mapping of, 550
classification, 27
damage
from storms, 128 *ff*
Puerto Rico, 281
database, WIS hindcasts, 270
dunes
classification of, 189 *et seq.*, 264
morphology of, 192
engineering literature, iii
fore-dunes, colonization of, 139
hazards, sea-level rise, 934
interceptor, coastal sewage system, 536
lagoons, as ecosystems, 738
land loss, 1031 *et seq.*
plain, inundation of, 920
protection structures, 639
regression, in Netherlands, 190
risk, 18
sediment budget, 189
sedimentation rates, 826
sediments, texture of, 884
structures, maintenance of, 316
surveys, large-scale, 40
vulnerability, 18
water bodies, delta areas, 417
Coastline dynamics, 193
Cockling
variety of Karren weathering, 390
weathering, 389
Cohesionless soils, transport of, 174
Cohesive-bed response, to bottom stress, 488
Colonial seabirds, 39
Combined sewer system, 531
Consolidation
parameters, dredged material, 653
tests, 656
Construction control lines, 309
Control structures, along Nile River Delta, 590
Coral communities, storm impacts, 294
Core samples, tidal sediments, 878
Cornaglia Effect, 4
Coseismic subsidence, 827
Coulter laser diffraction grain-size analyzer, 421
Critical orbital velocity, wave, 949
Cross-shore sediment transport, 590
Cross-spectral analysis, 728
Current velocities, in tidal channels, 815
Curvilinear Long-Wave Hydrodynamic Model, 579

D

Data loggers, burst-mode sampling, 332
Dean's Equilibrium Beach Profile (EBP), 567
Deglaciation events, 933
Delta
flank coasts, 967
plain, 440
platform, 761
Deltaic lagoons, Nile Delta, 410
Diatom microfossil transitions, 855
Digital Shoreline Mapping System (DSMS), 600
Dispersed sediment, 175
Dispersion coefficients, 536
Dissolved oxygen, 420, 743
Downdrift inlet shoreline, 660
Drag coefficient, 335, 705
Dredge
spoil
long-term stability of mounds, 948
mounds, behavior of, 947
vegetation colonization, 133 *ff*
Dredged material
geomechanical behavior, 651
use of, 32
Dredging
of coastal channels, 319
impact on subtidal cultivation, 472
operation, nearshore, 565
practices, 326
projects, Great Lakes, 30
Drifitng ice sheets, 681
Dump ground
repository, 567
sediment, mobilization of, 660
Dune
forms, varieties of, 191
landscape, 189
management systems, 266
protection, 291
vegetation, spatial distribution, 185
Dune-beach interaction, 905
Dunefields, 747

E

Earthquake deformation cycle, 825 *ff*
Ebb
currents, 760
tidal delta, 565,752
Ebb-tidal
delta bars, 763
shoals, 320
Edaphic processes, 1053
Eddy viscosity, 536
Ekman layer, 630
Embryonic dunes, accretionary systems, 191
Emergent platforms, 388
Endobiontic fauna, 400
Epifauna, 450
Epizoic foraminifera/invertebrate relationships, 879
Equilibrium forebeach configuration, 903
Equinoctial high water (EHW), 1052
Erosion rate-based setbacks, 549
Erosion
shear stress, 174
volume, on beaches, 900
Erosion-accretion regimes, identification of, 203
Estuarine marshes, 1010
Exponential beach profiles, 64 *ff*
Extratropical Storm Planetary Boundary Layer Wind Model (PBLWIND), 580
Extratropical storm conditions, 114

F

Factor groups, grain-size characteristics, 363
Fast Fourier Transform, 727
Fathometer, 811
Fault plane failure, in coastal cliffs, 668
Fecal coliforms, in bathing water, 532
Federal Emergency Management Agency (FEMA), 549
Fetch
  distance, 299
  in Gulf of Maine, 117
Fetch-restricted storm waves, 728
Fiducial points, aerial photographs, 556
Flood-oriented bedforms, 763
Flood-tidal delta, 752
Flow regimes, in tidal channels, 8818
Fluid-mud layers, 489
Fluorescent sand tracers, 298
Flysch materials, 664
Folded strata, failure of, 673
Foraminifera
  from tidal flats, 877
  in Nile Delta Sediments, 443
  in surficial samples, 426
Forchheimer approximation, 162
Forebeach recovery, 889, 901
Foredune
  dynamics, 198
  management, 195
  vegetation sampling, 180
Foredunes
  classification of, 191
  management of, 192
Fort Thompson Formation, 341
Fossil tidal notch, 402
Free air wind, 629
Frequency curves, beach-sand samples, 14 *ff*
Freshwater discharge, to coastal area, 72
Frost, limit for mangroves, 540

G

Gabions, 293
Gelbstoff, 803
Generalized Model for Simulating Shoreline Change (GENESIS), 579
Geographic Information System (GIS), 550
Geographic shoreline position, 549
Geophysical
  lake surveys, 34
  surveys, 353
Geostrophic winds, 629
Gill-type anemometer, 299
Glacial-marine sediments, 101
Global Positioning System (GPS), 353, 561
Global synoptic scale forecasting systems, 631
Grab samples, Kane Basin, 103
Grading diagram, for sediments, 251
Grain size
  analysis
    beach sands, 251
    from salt marshes, 482
  parameters
    sediment transport, 70 *et seq.*
    spatial variability, 255
  statistics, sedimentary environs, 252
  trend analysis, 73
Grain-size
  analyses, sediment cores, 420
  distribution, descriptors for, 360
Gravel beaches, 20, 50
Grinders, on intertidal platforms, 388
Groin field, 325, 637, 839
Gross longshore sediment transport, 917
Ground control data sources, 554
Growth-position fossils, 827
Gully development, in coastal cliffs, 672

H

Half-tide level (MTL), 206
Hallermeier
  inner limit (HIL), 948
  limits, 948
  outer limit (HOL), 948
Halloween Eve storm of 1991, USA, 113 *et seq.*
Hammock marshes, 924
Harbor Wave Oscillation Model, 579
Headland marshes, 922
Heavy minerals, coastal sediments, 425
High-concentration, cohesive sediment dynamics, 488
High-frequency sampling, 489
Highest high water (HHW), 920
Hindcast wind speeds, 79
Historical shoreline mapping, 600 *et seq.*
Holocene
  sea-level research, 25
  sequences, Nile Delta, 460
  transgression, 625
Humic acids, in peats, 992
Hurricane
  eye, 632
  named storms
    Alicia, 890
    Camille, 585
    Hugo, 278
  wind field, 631, 632, 633
Hydraulic
  gradient, 162
  roughness length of bed, 329
Hydrographic regime, 961
Hypsometric relationships, 919

I

Ice floe, 681
Ice pile-up
  height, 687
  initiation, 681, 686
  rafting, sediment transport, 104
Ice-transported diamicton, 103
Image space, aerial photographs, 552
Immersed weight sediment transport, 653
In vitro propagation, seagrasses, 733
Incident wave energy, 155, 638
Incipient sediment transport, 170
Incursion distance, wave run-up, 284
Infragravity standing wave motion, 716
Infralittoral (sublittoral) zone, 396
Inlet
  hydraulics, 915
  migration, 915
  stability, 909
Inner-shelf environment, 565
Interfluve marshes, 924
Interior
  land loss, 1037
  ponding, marsh degradation, 1034
Intertidal beach facies, 969
Intertidal
  invertebrate prey, 748
  mud flats, 703
  platforms, definition, 390 *ff*
  solution basins, 386

J

Joint block fall, from cliff, 668

K

Kaolinite, in soil, 667
Kinematic analysis techniques, 633
Kolmogorov constant, 330
Kolmogorov's "-5/3 law," 337
Kurtosis values, beach sediments, 258

L

Lacustrine
  depositional patterns, Nile Delta, 417
  plain, Florida, 340
  sediment types, 421
  tidal prism, 919

Lanceolate ridges, on intertidal platforms, 386
Large-scale coastal processes, 193
"Law of the Wall," 329
Limestone coasts, littoral morphology, 396
Limpets, 396
Linear wave theory, 949
Linguoid ridges, tropical reef margins, 384
Lithic fragments, coastal sediments, 425
Lithified carbonate ridge, 417
Lithologic log, coastal sediments, 435
Lithostratigraphic sequence, 829
Little Ice Age, 263
Littoral Environmental Observation (LEO), 309
Littoral
  bioconstructing species, 401
  drift, 146, 545
  fringe, 395
  sediment cell, 145
Littoral-cell embayments, 146
Log-Laplace distribution, sediments, 251
Log-hyperbolic distribution (LHD), sediments, 251
Log-log plot, sediment data, 252
Log-normal distribution, unimodal sediments, 251
Longshore current
  reversal, 964
  velocities, 299, 914
  sand transport rate, 320
  sediment transport, 590, 911
  transport, 21

M

Macrotidal coast, 992
Mainland fringe marshes, 921
Maintenance dredging, Great Lakes, 31
Mangrove accretion rates, 1081
Mangrove
  biogeography, 1054
  forests, fate of, 1083
  habitats, assemblages, 1056
  systems, geomorphic setting, 1063
Mangroves
  in New Zealand, 539 *et seq.*
  propagule dispersal, 543
  response to sea-level rise, 1052
  salinity tolerance, 542
  size variation with latitude, 542
  stunted forms, 542
Manning coefficient, 536
Manometer, 718
Map transformations, 608, 612
Marine
  archaeology, 351
  environment, legal disputes, 466
Marsh
  degradation, 1034
  hummocks, 1022
  inundation, patterns of, 819
  island, platform marsh, 926
  loss, to erosion, 1012
  preservation, 929
  sedimentation, overwash input, 1014
  sediments, bulk densities, 1013
  substrate, anoxia in, 1010
  vertical accretion rates, 1010
Marsh-McBirney current sensors, 331
Marsh-filled lagoons, 919
Marshes, hierarchial classification, 921
Maximum
  ice piece length, 683
  potential load, 770
Mean
  high water (MHW), 206
    spring tide (MHWS), 1052
  low water (MLW), 206
  sea level (MSL), 920
  tidal range, 752
Megaripple
  ebb channel, 763
  migration, 298
Meso scale processes, 631
Mesotidal coast, 993
Microtidal
  environments, 298
  marshes, 920
  wave-dominated sand beaches, 906
Mid-lagoon marshes, 926
Midlittoral
  tidal notch, 396
  zone, 396
Miocene clay, 339
Missbach approximation, 162
Mixed energy delta, 969
Mixed-sediment beaches, 124
Molluscan biofacies, 440, 454
Monitoring data, beaches, 309
Monson, significant wave heights, 911
Morpho-sedimentary units, coastal deposits, 935
Morphological versus volumetric recovery, 900
Mud
  and sand densities, 348
  veneers, 1069

N

National Geodetic Vertical Datum (NGVD), 307, 992
National Ocean Service (NOS), 550
National Weather Service (NWS), 631
Natural
  shores, conservation of, 48
  tracers, in sediments, 646
Nature Protection Act of 1992, Denmark, 264
Navier-Stokes equations, 578
Nearshore
  bar formation, 716
  sediment transport, 369
  systems, sediment-mixing depth, 297
Niger coastline, geomorphological units, 961
Nodal points, erosion/accretion, 592
Non-stationary porous media flow, 158
Nourished beach dredge spoil, 139
Nyquist frequency, 332

O

Object space, on aerial photographs, 552
Oblique aerial photograph, 323
Offshore wind, 194
Okeechobee basin, Florida, geophysical surveys, 339
Onshore wind, 194, 886
Open
  barrel gravity corers, for sediments, 104
  coastal environments, 489
Open-water lagoons, 919
Optical backscattering sensor array, 331
Ordenation analysis, 742
Organic-rich
  mud, Lake Okeechobee, Florida, 341
  peaty scarps, on beach, 966
Orographic processes, 631
Oscillating water tunnel, 158
Oscillatory currents, 716
Ostracods, in Nile Delta sediments, 443
Overflows, from sewage system, 535
Overland/overwater effect, 630
Overwash penetration, 291
Oyster fisheries, in lochs, 471
Oysters, mortality of, 466

P

Paleo-pothole fill plug, 389
Paleoenvironments, marsh sites, 861
Paleoeustatic research, 621
Parametric model, 578
Parnell Grit deposits, New Zealand, 664
Particle-size analysis, dump ground, 655
Pass point, in aerial photographs, 554
Peak average wave period, 301
Peat
  accretion rates, 1079
  collapse, 1026
  layers, in Lake Okeechobee, Florida, 346
Peats, old salt marshes, 852

Perigean tide, 117
Perimeter land loss, 1036
Periodicity of spit systems, 942
Petrological assemblages, 424
Photo transformations, 610, 613
Photo-micrograph, of sand-sized fraction, 427
Photointerpretation of coastal change, 555
Pirogues, small light-weight boats, 811
Planetary boundary layer (PBL), 629
Plant macrofossil transitions, 855
Plant tissue culture, 732
Plant zonations, in marshes, 992
Pocket beach, 145
Pollen
  analysis, 1013
  diagram, for marsh, 831
Pollution, in the littoral zone, 533
Polychaetes, in Nile Delta sediments, 443
Pore water pressure, 652
Post-stom beach recovery, 884
Postseismic marsh burial, 863
Potential sediment transport rate, 770
Potholes, intertidal platforms, 380
Prandtl von Karman equation, 329
Pre-Wisconsin sea-level rise, 351
Primary dunes, 191
Protective structures, 33
Pumping stations, drainage in deltas, 419

Q

Q-mode factor analysis, 363
Quiescent settling, flocculated marine muds, 175

R

Radiation stresses, waves, 839
Radiocarbon
  dates, from shells, 755
  dating, 398, 622, 939
  years before present (BP), 993
Radiogeochronology, 924
Radionuclide dating, 1013
Raised
  ridges, intertidal platforms, 378
  rim potholes, intertidal platforms, 380
Reference datum, 403
Reflective beaches, 145, 297
Regional Coastal Proc Wave Propagation Model, 579
Regressive coastal dunes, 193
Relative sea-level change, 826
Reproductive success, in seabirds, 44
Retrograding coastline, 190
Revegetation projects, 732
Reynolds number, 172, 331
Ride-up zone, 686
Rillenkarren, intertidal platforms, 383
Rip currents, 717
Ripple dimensions, 655
Risk, coastal, 27
Ro-Tap shaker, for sediments, 255
Rocky headlands, 58
Rocky
  shoreline, 991
  shores, French Riviera, 53
Roughness length, 706
Rubble mound breakwaters, 789
Run up height, tsunami, 775
Rundown velocity, 789

S

SLOSH (Sea, Lake and Overland Surges from Hurricanes) model, 281
Salt flats, 1069
Salt–marsh
  foraminifera, 965
  plant species, vertical ranges, 999
  plant zonation, 994
Salt-water intrusion, 1022
Saltmarsh, 703
Sand Drift Act, Denmark, 263
Sand
  bars, welding to shore, 325
  drift, coastal areas, 266
  fences, coastal management, 199
  fencing, coastal management, 135
  migration, Denmark, 264
  onshore transport, 752
Sandflats, 707
Sandwaves, bedform, 283
Sea bed roughness, 702
Sea breeze, 631
Sea
  cliffs, erosion of, 144
  level notches, 384
Sea-State Engineering Analysis System (SEAS), 270
Sea-level
  curves, 990
  indicators, 1004
  rise, 144
    estimates for, 1077
  in tidal wetlands, 1051
  tendencies, 827
Seagrass
  beds, storm impacts, 295
  meadows, scouring of, 284
  restoration practices, 735
Seawalls, 293
Secondary dunes, 191
Sediment budget, 640
Sediment
  circulation patterns, 765
  cores, hand samples, 420
  dynamics, in muddy surf zone, 48 *ff*
  ramping, 128
  re-suspension events, 492
  sampling, grab samples, 74
  suspension, 329
  threshold, prediction of, 953
  transport, by ice, 992
Sediment-mixing depths, coastal areas, 297 *et seq.*
Sedimentation rates, in marshes, 923
Sedimentological adjustment to SLR, 1064
Seismic profile reflectors, 342
Settling velocity distributions, 652
Shallow water waves, 302
Shape parameters, for sediments, 257
Shear
  flow, 170
  velocity, inertial dissipation estimates, 333, 709
Sheet erosion, 1065
Shelf tidal residual currents, 545
Shell-rich sediments, 441
Shields
  entrainment, 172
  parameter, 949
Shore types, French Riviera, 50
Shoreface, 887
Shoreline
  accretion, rate of, 323
  changes, computation of, 205
  erosion rates, 549
  morphology, New Zealand, 664
  oscillation, 205
  position, 307
  rate of change, 611
  recession, rate of, 323
  retreat, 887
  transformation, 55
Side-scan
  sonar records, 342
  sonography, 353
Sieving, of beach sediments, 147
Siliciclastics, end members, 430
Size-density sorting, 588
Skewed distributions, on phi scale, 258
Smithsonian field expeditions, to Nile Delt, 420
Soil, on flysch deposits, 667
Solitary waves, 493
Solution
  columns, positive relief feature, 388
  pipes, 387
Sonograms, analysis of, 353
Sorting parameters, for sediments, 256
Southern Oscillation, 544
Spectral wave height, 86
Spit bars, systems of, 939
Spitzkarren, 389
Split-hopper suction dredge, 652
Spoil
  banks, coastal revegetation, 732
  mounds, consolidation of, 659
Spur and groove topography, on coral reefs, 384
Stable coastal dunes, 193

Standard Project Hurricane (SPH)
model, 632
criteria, 578
Stem density, on marsh hummocks, 1025
Stereonet analysis, 671
Stokes velocity, 175
Storm
runoff, 803
surge, probabilities, 206
surges, duration of, 208
waves, 287
Storm-Induced Beach Change Model (SBEACH), 579
Storm-surge
deposits, 927
platform marshes, 927
Strand coast, 965
Stratified lake water, 418
Stratigraphic records, of earthquakes, 853
Student's t-test, 652
Sub-basins, artificial, 418
Subaerial beach environment, complexity of, 260
Subdelta, within delta, 972
Subduction
earthquakes, Oregon coast, 146
zone earthquake, 850
Submarine
equilibrium profile, 1 *ff*
profile, 1 *ff*
Subsea sediments, chemical properties, 108
Subsidence, estuarine, 852
Subtidal cultivation, 466
Supercomputers, 577
Supralittoral zone, 395
Supratidal zone, 387
Surf-scaling parameter, 302
Surface wind, 629
Suspended sediment concentrations, 813
Swale (finger) marshes, 927
Swash
period, 154
zone, 299, 567
Synoptic scale processes, 629

T

Tamiami limestones, 341
Taylor's "frozen turbulence" concept, 332
Tchebycheff polynomial, 550
Tectonic uplift, coastal areas, 144
Textural analyses, of sediments, 424
Thanatocoensis, 441
Threshold condition, for sediment erosion, 173
Tidal
current velocities, 709
influence on local drainage, 819
inlet classification, 916
inlets, 752, 909
prism, 909
water level, 72
Tide
gauge, 146, 1039
records, sea-level change, 990
Tilt displacement, aerial photographs, 552
Time-Independent Spectral Wave Model, 579
Time-Dependent Spectral Wave Model, 579
Total organic carbon, in bottom sediments, 493
Tracer-based models, sediment transport, 297
Tracer-derived transport equations, 297
Trailing-channel margin fills, 925
Transgressive
island, 926
mud coast, 965
Transplanting, seagrasses, 733
Transport rates, prediction of, 949
Transverse bars, nearshore zone, 298
Triaxial testing, of dredged material, 653
Tropical Storm Planetary Boundary Layer Wind Model (HURWIN), 580
Tropical humid areas, mangroves, 1054
Tsunami
deposits, 827
disaster, in Japan, 775

U

Under-cuts, intertidal platforms, 376
Undertow, 717
Underwater
berm, 307
berms, dredge disposal technique, 35
Universal Transverse Mercator (UTM), 550
Updrift bar complexes, 765
Upland marshes, 1011
Upland to wetland conversion, 1039
Urbanized coast, 20

V

Valley marshes, 921
Vegetation
line, 905
succession, sea-level change, 828
survey, on coastal dunes, 179
Vertical lithological changes, 421
Vibracore survey, 341
Vibracores, 1002
Visual wave observations, 309
Volume transport, coastal sediments, 190
Volumetric recovery, of eroded beaches, 900
von Karman-Prandtl velocity equation, 702
Vulnerability, coastal, 26

W

Walton's equation, 911
Washover fan, high wave-energy beaches, 927, 971
Wastewater, in coastal areas, 419
Water Resources Development Act of 1986, 30
Water
pollution, 31 *ff*
surface elevation, 299
temperature, in coastal lagoons, 741
Water-level gauge, 813
Waterlogging, effect on growth, 1045
Wave Information Study (WIS), 79 *ff*, 270
Wave
climate, USA coastal waters, 270
gauge, 789
hindcast study, 754
run-up heights, during hurricane, 284
runup curve, 800
runups, on breakwater, 790
tank experiments, 7
Wave-dominated coasts, 929
Wave-induced bedload transport, 949
Wave-wave interactions, 723
WES Implicit Flooding Model (WIFM), 578
Wet/dry line, on beach, 556
Wetland loss, 1021 *et seq.*
Whitefronted plovers, seasonal movements, 747 *et seq.*
Wind estimation, coastal modeling applications, 628
Wrack line, on beach, 971
WRDA—see Water Resources Development Act
Wykeham Farrance vane, 342

X

X-radiography
of mud deposits, 346
sediment pushcore, 494
X-ray diffractometry, mineralogy, 421

Y

Yachting harbors, 56
Younger Dryas cool event, 933