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Bay Bib: The Narragansett Bay Bibliography: 1979-1988 268 pp

Sieburth & Dorf (URI)

Narragansett Bay Estuary Program

Current Report

The Narragansett Bay Project

**THE BAY BIB:
THE NARRAGANSETT
BAY BIBLIOGRAPHY: 1979-1988**

**JANICE F. SIEBURTH
BARABARA A. DORF**

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Funding was provided by the Narragansett Bay Project and the University of Rhode Island.



The Narragansett Bay Project is sponsored by the U.S. Environmental Protection Agency and the R I Department of Environmental Management



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FOREWORD

The United States Congress created the National Estuary Program in 1984, citing its concern for the "health and ecological integrity" of the nation's estuaries and estuarine resources. Narragansett Bay was selected for inclusion in the National Estuary Program in 1984, and the Narragansett Bay Project (NBP) was established in 1985. Narragansett Bay was designated an "estuary of national significance" in 1988. Under the joint sponsorship of the U.S. Environmental Protection Agency and the Rhode Island Department of Environmental Management, the NBP's mandate is to direct a program of research and planning focussed on managing Narragansett Bay and its resources for future generations.

The NBP will develop a draft Comprehensive Conservation and Management Plan (CCMP) by December, 1991, which will recommend actions to improve and protect the Bay and its natural resources.

The NBP has established the following seven priority issues for Narragansett Bay:

- management of fisheries
- nutrients and potential for eutrophication
- impacts of toxic contaminants
- health and abundance of living resources
- health risk to consumers of contaminated seafood
- land-based impacts on water quality
- recreational uses

The NBP is taking an ecosystem/watershed approach to address these problems and has funded research that will help to improve our understanding of various aspects of these priority problems. The Project is also working to expand and coordinate existing programs among federal, state and local agencies, as well as with academic researchers, in order to apply research findings to the practical needs of managing the Bay and improving the environmental quality of its watershed.

This report represents the technical results of an investigation performed for the Narragansett Bay Project. The information in this document has been funded wholly or in part by the United States Environmental Protection Agency through Cooperative Agreement #CX812768 to the Rhode Island Department of Environmental Management. It has been subject to the Agency's and the Narragansett Bay Project's peer and administrative review and has been accepted for publication as a technical report by the Management Committee of the Narragansett Bay Project. The results and conclusions contained herein are those of the author(s), and do not necessarily represent the views or recommendations of the NBP.

TABLE OF CONTENTS

PREFACE.....	ii
INTRODUCTION.....	iii
BIBLIOGRAPHY.....	1
INDEXES:	
AUTHOR INDEX.....	149
SUBJECT INDEX.....	172
GEOGRAPHIC INDEX.....	205
TAXONOMIC INDEX.....	216
CHEMICAL INDEX.....	259

PREFACE

Janice F. Sieburth is Head, Pell Marine Science Library, Graduate School of Oceanography, University of Rhode Island, and Barbara A. Dorf is a Ph.D. candidate in Biological Oceanography at the Graduate School of Oceanography.

The authors thank Caroline Karp for her encouragement, and the Narragansett Bay Project for funding this bibliography under contract number ME185 PO46801. The Narragansett Bay Project is co-sponsored by the U. S. Environmental Protection Agency and the Rhode Island Department of Environmental Management.

Millie Kwan, Systems Librarian at the University of Rhode Island Libraries, has been indispensable for her computer expertise and assistance. Cynthia Archambault set up a preliminary database as a field study for her Master of Science degree from the Graduate School of Library and Information Studies. Thanks also go to the staff of the Pell Marine Science Library, who assist library users in finding information on Narragansett Bay, and who have greatly helped in identifying relevant documents for inclusion in this bibliography.

The Advisory Committee provided valuable advice and support. Members were Stephen Hale, Cyndi Murray, Virginia Lee, Veronica Berounsky, Judith Barnett, and Roberta Doran.

INTRODUCTION

Narragansett Bay is a central component of the State of Rhode Island. Besides dominating the landscape, geography, and environment, it is closely tied to the industrial and commercial well being of the state. The history of Narragansett Bay is also the history of Rhode Island and the Providence Plantations. The health of Narragansett Bay has been a continuing concern in the latter portion of this century, and access to information on the science, economics, and management is a critical factor for recognizing trends, accomplishing research, and planning for the future.

* A bibliography of publications on Narragansett Bay and its surroundings was published in 1979 as the University of Rhode Island Technical Report 70: The Bay Bib: Rhode Island Marine Bibliography. It is a valuable record of surveys, studies, and reports on Narragansett Bay and its surroundings including the flora, fauna, water, shore, and the rivers that empty into it.

This update to the Bay Bib for the years 1979 through 1988 was created as a database using INMAGIC software.¹ INMAGIC is a flexible software system for recording an unlimited number of authors or subject terms. The database can be accessed by SEARCHMAGIC, an easy-to-use system for searching by author, subject or title words. The database is available in the lobby of the Pell Library where users can easily identify relevant publications on topics of interest related to Narragansett Bay. A copy of the database may be obtained from the Pell Marine Science Library.

Planning is underway to link the scientific work listed in this bibliographic database with the locations in the Rhode Island Geographic Information System (RIGIS) database; and with the data archived in the Narragansett Bay Data System (NBDS) database. Efforts have been made to keep the terminology as consistent as possible among these files.

The staff of the Pell Library is responsible for updating the Bay Bib database with additional records as documents are identified. It is planned to print supplements every five years. When funding permits, a backfile will be added which will include the citations from the original Bay Bib. Contributions of recent, or previously unidentified, publications would be greatly appreciated.

¹INMAGIC, 2067 Massachusetts Avenue, Cambridge, MA 02140-1338.

This Narragansett Bay bibliography is a comprehensive list of documents published from 1979 through 1988 on the Bay and its environment. All published documents that could be located were included. Types of publications are books, book chapters, scientific articles, technical reports, government publications, theses, conference papers and popular articles. Not included were newspaper articles, items for which only an abstract was available, non-print materials, maps and charts.

Most of the 1200 publications listed are available in the Pell Marine Science Library. Others can be obtained from the University of Rhode Island Library, Kingston; or the National Sea Grant Depository in the Pell Library Building, Narragansett, RI.

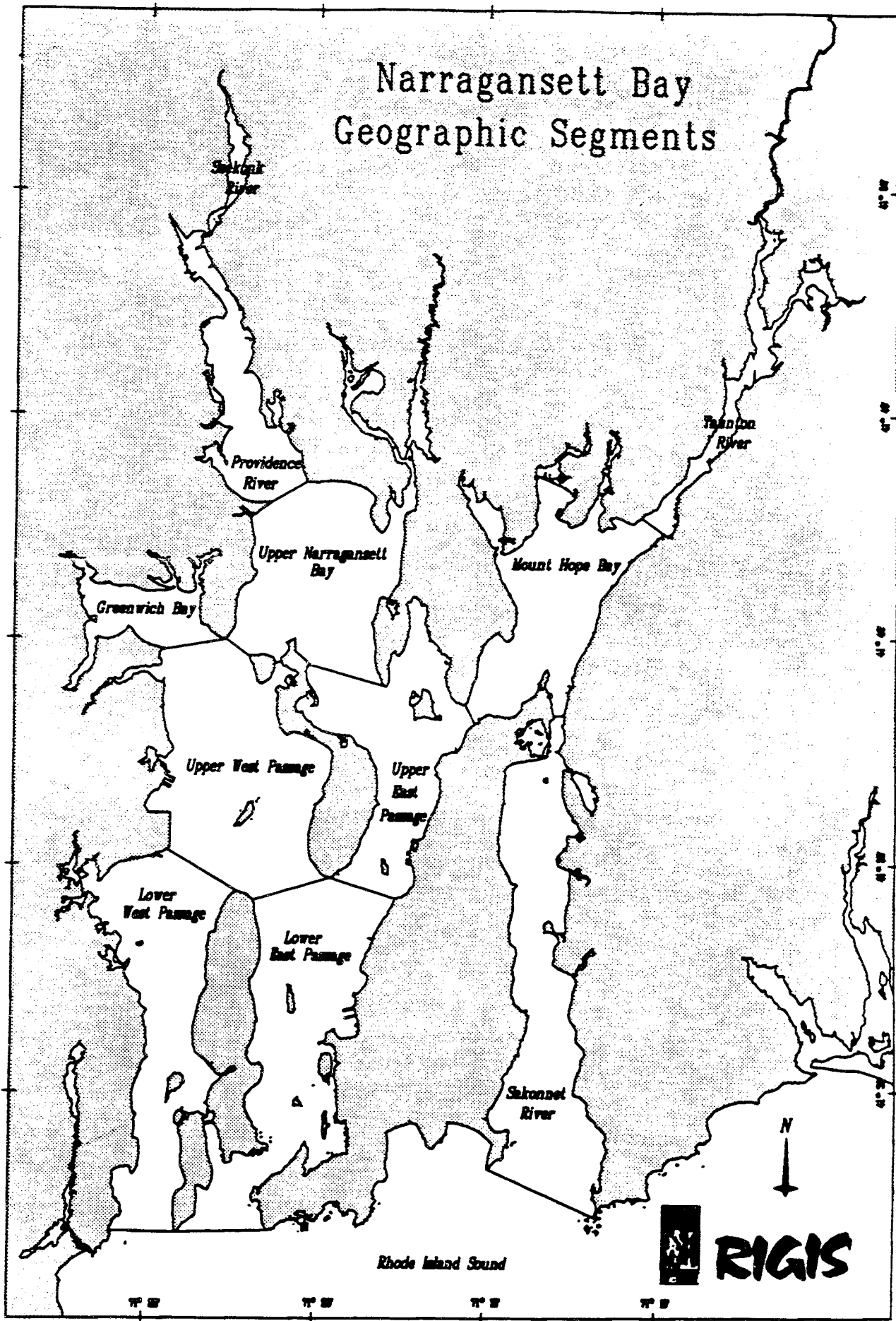
Almost all of the items were examined and subject terms, geographic locations, species names, chemicals and authors' names were determined from the text. Emphasis has been placed on increased access to scientific work by using up to ten subject terms, unlimited numbers of scientific and common names of plants and animals, Narragansett Bay locations studied, chemicals as listed in the publication, and all authors' names.

Subject terms were selected by consulting the Aquatic Sciences and Fisheries Thesaurus: Descriptors Used in the Aquatic Sciences and Fisheries Information System, compiled by E. Fagetti, et.al., and published by Cambridge Scientific Abstracts for the Food and Agriculture Organization of the United Nations, 1986.

Geographic names were standardized by consulting the U.S. Geological Survey, Topographic Division, Rhode Island Geographic Names. Designations for various sections of Narragansett Bay were established by the Rhode Island Geographic Information System (see map).

Information included in each bibliographic citation consists of author(s); title of publication; journal and volume number; book or document publisher; page numbers; and date. Locations of the documents are indicated by Pell for the Pell Marine Science Library in Narragansett, Rhode Island; NSGD for the National Sea Grant Depository in the Pell Library building; and URI for the University of Rhode Island Library in Kingston.

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Author Index

- A**
- Abernethy, K.J. 704
- Ackenhusen-Johns, A. 289
- Adams, E.E. 1184
- Adelman, D. 106, 1041
- Adler, D. 225, 310, 604, 643
- Adler, D.M. 275, 655, 943, 1045
- Ahern, T. 145
- Alberte, R.S. 987
- Aldous, K. 664
- Allard, D.J. 105, 535
- Allin, C.C. 219
- Almquist, G. 189, 420, 866
- Almquist, G.T. 412
- Alonso, D. 654
- Amato, R.J. 629, 1148
- Amdurer, M. 137, 225, 275, 310, 604, 643, 922, 943, 1045
- Anderson, D.M. 417
- Anderson, E.L. 739
- Anderson, G.D. 492, 952
- Anderson, J.F. 1127
- Anderson, M.R. 458
- Anthony, V.C. 525
- Appeldoorn, R. 1134
- Appeldoorn, R.S. 058
- Archer, J.H. 953
- Arcidiacono, S. 769
- Arimoto, R. 856
- Armstrong, R.S. 626
- Arthur, M.A. 535
- Asare, S.O. 309, 623
- Ascari, C.A. 785, 1075
- Askins, E. 548
- Authors vary 651, 719
- B**
- Baer, M.J. 877
- Balboni, M.A. 104
- Ballou, R. 915
- Banzon, P.V.F. 103
- Barkman, R.C. 045, 177
- Barnett, S.M. 677
- Bauman, M.G. 171
- Bavier, B. 142
- Baxter, M. 102
- Bayne, B.L. 159
- Beach, R.B. 101
- Beatty, L.L. 1040
- Beauchamp, C.H. 518
- Beccasio, A.D. 347
- Beck, A.D. 177

- Bell, J. 242, 275, 956
Bell, J.J. 643, 967
Bell, V.A. 698
Bender, B.D. 1071
Bender, K. 1005
Bender, M. 002, 164, 270
Bender, M.L. 276, 642, 731
Bendick, R. 338
Benedict, J. 539
Benedict, J.S. 566
Benevides, J.M. 840
Bengtson, D.A. 045, 177, 479, 620
Benson, F.J. 1223
Beohm, P.D. 231
Bereswill, J. 384
Bergen, M. 505
Berkman, P.A. 100
Berlinsky, D.L. 1106
Berman, C.R. 139, 1133
Berman, M. 619
Berman, M.S. 017, 481, 499
Bernstein, D.J. 155
Berounsky, V.M. 429, 872, 1156
Berry, W. 349
Berry, W.J. 063
Berryhill, A.W. 1053
Bertine, K.K. 471
Bertness, M.D. 573, 614, 618, 994, 1011, 1012, 1013, 1014, 1084, 1085, 1102
Bharadwaj, A.S. 113
Bianchini, M. 870, 1197
Bianchini, M.L. 707, 1132, 1139
Bibb, B.G. 393, 395
Bibb, H. D. 1106
Bigford, T.E. 281, 622
Biggs, R.B. 1207
Bisagni, J.J. 626, 1190
Black, D.E. 426
Blais, A.G. 569
Blake, N.J. 579
Blanchette, M.A. 975
Boatwright, D. 930
Boehm, P.D. 250, 1179
Bohlen, W.F. 328
Booda, L.L. 716
Boothroyd, J. 1150
Boothroyd, J.C. 076, 534, 599, 753
Bopp, R.F. 325
Borden, D.V.D. 039
Bort, J.R. 1069
Borys, R.D. 957
Boss, J.A. 183

- Bourne, D.W. 049
Bowen, R. 249
Bowen, R.D. 042, 686
Bowen, V.T. 717, 1100
Bowman, M.J. 640, 972
Boyes, D. 454
Boyle, S.T. 818
Boynton, W.R. 938
Brady-Campbell, M.M. 668,
776, 1097
Brahma, S.K. 696
Bricelj, V.M. 983
Briggs, J.C. 861
Broecker, W.S. 956
Brooks, A.L. 857, 859
Brooks, J.M. 663
Brooks, R.D. 799
Browder, E.V.P. 1071
Brown, A.F. 618
Brown, B.E. 294
Brown, C.A. 274, 291
Brown, C.W. 341, 473, 796,
1134
Brown, J.S. 231
Brown-Leger, L.S. 414, 738
Brown, M. 923
Brown, R.S. 473, 1134, 1181
Brubaker, K.L. 185
Bruno, R.A. 250
Bucci, A. 158
Buck, R.L. 169
Buckley, B. 713
Buckley, B.A. 287, 654
Buckley, L.J. 585, 928, 990,
1027
Bulion, L. 112
Bunck, C.M. 1077
Burke, S. 176
Burks, R.J. 301, 557, 1049
Burney, C.M. 079, 179, 419,
436, 1018
Burns, B.R. 195
Burns, T. 530
Burrage, D. 1068
Burrage, D.D. 1057
Burroughs, R. 519
Burroughs, R.H. 241
Buskey, E. 691, 1007
Buskey, E.J. 078, 695
C
Cabelli, V.J. 737, 1128,
1130, 1131, 1146
Cain, J.A. 603
Caldarone, E.M. 585
Callaghan, D.W. 512
Campbell, D.B. 668, 849, 1122

- Campbell, J.W. 274
Canuel, E.A. 211, 397, 978
Capaldo, P.S. 550, 647
Capotosto, P.M. 454
Carey, C.G. 418, 542, 546,
584, 851, 934, 1021, 1214
Carlson, L. 1185
Caron, D.A. 424, 683, 1086
Carpenter, E.J. 983
Carson, S. 202, 956
Carson, S.R. 201
Carter, G.R. 366
Casey, J.G. 751
Centaur Associates, Inc.,
Washington, D.C. 1192
Ceurvels, A.R. 417
Chamberlin, J.L. 626
Champ, M.A. 1157
Chang, P.W. 312, 315, 1134,
1181
Chase, H.B. 728
Chen, C. 111
Chen, D.-L. 947
Chihara, M. 1004
Chinman, R.A. 421
Chmura, G.L. 568
Choi, J.K. 581
Church, T.M. 457
Clark, S.H. 530
Clem, P.J. 168
Cleveland, A. 847
Cobb, J.S. 007, 218, 346,
400, 621, 678, 746, 1140
Cochran, J.K. 253
Cofta, C.M. 457
Cohn, M.S. 265, 630
Cohn, R.F. 009, 783
Cole J.J. 268
Colebrook, J.M. 565
Colflesh, D. 983
Collins, B.P. 464, 466, 644
Collins, C. 048, 316, 318,
1153, 1180
Colwell, R.R. 313
Comerford, R.A. 512
Conley, P.T. 175
Connor, M.S. 361
Cook, S.K. 626
Cookman, J.E. 306
Cooper, K. 1134
Cooper, K.R. 516, 1181
Copley, N.J. 738
Cospers, E.M. 983
Coulter, D.A. 825
Cox, D.C. 1079
Coyne, J. 593
Cramer, S. 143

- Crawford, R.E. 459, 487, 1021, 1165
Crawford, T.A. 699
Cucci, T.L. 1104
Cullen, D. 270
Cullen, D.L. 931
Cullen, J.D. 276, 593
Cullen, J.S. 110
Culver-Rymsza, K.E. 132
Cummings, C.E. 080, 613
Cummins, R.A. 1022
Custer, T.W. 1077, 1161
Cynar, F.J. 109
- D
- Dallmeyer, R.D. 965
Daniels, B.C. 237
Danowski, F. 890, 1138
Davey, E. 270
Davidoff, A.J. 826
Davie, E. 956
Davies, C.T. 144
Davin, A. 1079
Davis, A.C. 305, 331, 332, 523, 930, 1048, 1189
Davis, A.L. 845
Davis, H. 1066
Davis, P.G. 151, 415, 1015, 1086
- Davis, R.W. 458
Davis, W. 1121
Davis, W.R. 284, 675, 864, 1005, 1098, 1105
Dawson, M.A. 006
de Boer, J. 644
de Lappe, B. 930
Deacutis, C. 131, 349, 378
Deason, E.A. 562
Deason, E.E. 031, 044, 191, 229, 733
deBaptista, A.E. 1184
Deck, B.L. 325
Dein, M.G. 1056
DeKay, L.E. 108
Dennison, W.C. 983
DeRagon, W.R. 837
Detrick, R.S. 963, 969
Deuser, W.G. 262
Devonald, K. 359
Dewey, M. 983
Diamond, H.M. 107
Dickenson, M.P. 646
Dillingham, T.P. 628, 935
Dillmann, B.A. 1031
Dillmann, D.W. 990
Dimock, C. 249
Dimock, C.W. 686, 873, 1196

- DiNardo, G.T. 1022 966
- Doering, P. 310 Ellis, J.T. 047, 418, 584, 1043
- Doering, P.H. 081, 211, 322, 323, 345, 397, 431, 437, 541, 764, 939, 978, 985, 997 Ellison, A.M. 573, 1011, 1084, 1102
- Doeringer, P.B. 1083 Elmgren, R. 224, 271, 561, 653, 867, 1037, 1044
- Donaghay, P. 438, 536 Elskus, A.A. 120
- Donaghay, P.L. 672, 1036 Ely, E. 023, 1163
- Donahue, B.G. 027, 050 Emerson, D.J. 737, 999, 1128
- Donkin, P. 632 Erhardt, J.G. 1230, 1231
- Donnelly, R. 664 Erwin, R.M. 1123, 1124
- Douglas, G.S. 061, 121, 252 Esaias, W.E. 640, 972
- Duce, R.A. 160, 293, 690, 701, 702, 957 Estep, K.W. 082, 869
- Dudley, D.L. 1141 Everett, D. 1182
- Duncan, A. 1168 Everett, M. 539
- Dunn, C.Q. 158 Everich, D. 279
- Durbin, A.G. 035, 040, 046, 161, 440, 722, 898, 942
- Durbin, E.G. 035, 040, 046, 161, 722, 898, 942
- Dworetzky, B.A. 1097
- Dwyer, R.L. 059, 200, 433, 453
- Dykstra, J.C. 833
- E**
- Edel, R.K. 684
- Edwards, S.F. 522, 952, 955
- Ejsymont, L. 619
- Elderfield, H. 002, 164, 227, 966
- F**
- Fabrizio, M.C. 083, 413, 909
- Fair, J.J. 532
- Falke, A.M. 533
- Farmer, F.H. 274, 291
- Farrell, J.F. 509
- Farrens, C.M. 1055
- Farrington, J. 743
- Farrington, J.W. 206, 262, 305, 332, 717, 930, 977, 1100
- Fasching, J.L. 160, 702
- Feiffer, J.S. 861

- Feng, S.Y. 855, 856
408, 451, 452, 489, 506, 561,
679, 867, 997, 1016, 1037
- Fisher, J.J. 348, 567, 587,
718, 793, 1202
- Fitzgerald, W.F. 1030
- Fluck, S.J. 042
- Fofonoff, P. 1065, 1137
- Fofonoff, P.W. 881
- Fogarty, M.J. 007, 012, 039,
394, 526, 633, 741, 1140
- Fogg, T.R. 230
- Folitt, R. 771
- Forman, E.S. 600
- Forward, R.B. 162
- Fowler, B.A. 676
- Fox, M.F. 595, 596, 871, 1038
- Franklin, F.E. 768
- Fransham, R.L. 745
- Franson, J.C. 1161
- French, D.P. 068
- French, F.W. 064, 260, 1093,
1095
- Frew, N.M. 305, 930
- Frew, R.L. 347
- Friedrich, N. 351
- Friedrich, N.E. 076, 339
- Friese, C.F. 801
- Frimpter, M.H. 1193, 1232
- Frithsen, J. 536, 552, 1017
- Frithsen, J.B. 056, 224, 323,
408, 451, 452, 489, 506, 561,
679, 867, 997, 1016, 1037
- Froelich, A.S. 072
- Froelich, P. 270
- Frohlich, R.K. 465
- Frye, R. 1034
- Furnas, B.N. 259
- Furnas, M.J. 136, 167, 190,
205, 243, 562
- G
- Gallagher, J.C. 024, 070,
263, 982, 987
- Galloway, W. 006, 020
- Galloway, W.B. 269, 277, 1100
- Gangi, D.A. 341
- Ganz, A. 014
- Garber, J.H. 067, 240, 589,
936
- Garcia-Romero, B. 663
- Gardiner, R.D. 302
- Gardiner, W.E. 689
- Gates, J.M. 038, 1135
- Gayoso, A.M. 656
- Gearing, J. 1017
- Gearing, J.N. 215, 326, 428,
638, 743, 1035, 1043, 1046
- Gearing, P. 1017
- Gearing, P.J. 215, 326, 638,
743, 1035, 1043, 1046
- Gentile, J.H. 043

- George, V.S. 807
Germano, J.D. 033
Germond, D.J. 043
Gersuny, C. 477
Gibeaut, J.C. 820
Gibson, B.L. 804
Gibson, V.R. 414, 868
Giliberto, C. 1185
Godwin, R.E. 347
Goldberg, E.D. 178, 273, 717, 1100
Goldman, J.C. 387
Goldsmith, R. 1213
Gonzalez, J.G. 279
Goodrich, C.L. 677
Goodrich, D.M. 251
Goodwin, J.T. 331, 1048, 1189
Goos, R.D. 1113
Gordon, E.L. 1060
Gordon, R.B. 149, 364, 578, 590
Gordon, W.R. 460, 926, 1149
Gosland, K.H. 432
Gould, E. 006, 508, 676
Govoni, J.J. 049
Gowan, A. 1144
Graham, W.F. 293, 701
Grant, J.G. 329
Grassle, J.F. 271, 414, 653, 671, 738, 868, 1016
Grassle, J.P. 271, 653, 671, 738, 1016
Gray, W.J. 914
Green, J. 619
Green, K.M. 360
Greig, R.A. 508
Griffin, P.J. 816
Grigalunas, T. 1152
Grigalunas, T.A. 1075
Grillo, R.V. 855
Griscom, C.A. 394, 633, 1153
Griswold, C.A. 207, 502
Grosholz, E. 1085
Grove, C.A. 119
Grovhoug, J.G. 745
Gruber, J. 1142
Gulbransen, T. 400
Gulka, G. 312, 315
Gulka, G.J. 173
Gunn, B.A. 313
- H
Haddad, E.M. 855, 856
Hager, S.W. 1200
Halavik, T.A. 195
Hale, L.Z. 158
Hale, S. 036, 037, 940

- Hale, S.O. 074
Hale, S.S. 259
Halgren, B.A. 528
Hall, E.A. 1141
Halvorson, W.L. 1111
Hamburg, S.P. 674
Hammen, C.S. 236
Hammond, B. 611
Hammond, G. 118
Hanisak, M.D. 278, 883, 1094
Hanson, A.K. 084, 165, 491
Hargrave, B.T. 329
Hargraves, P.E. 223, 257, 260, 288, 571, 612, 617, 680, 681, 689, 696, 705, 766, 865, 1093, 1095, 1116, 1117, 1203
Harlin, M.M. 264, 563, 583, 599, 623, 657, 658, 668, 911, 1008, 1096, 1097, 1109, 1110, 1114, 1115
Harmon, D.D. 1200
Haro, A.J. 832, 1103
Hartley, J. 1121
Hayes, J.A. 808
Hayes, K.M. 784
Hayward, N.A. 305
Heatwole, C. 193
Heber, M. 349
Hecky, R.E. 363
Heffernan, R. 767
Heidersbach, R. 422
Heimbuch, D.G. 1022
Heinle, D.R. 499, 653
Heinmiller, P. 581
Helfrich, J.V.K. 211
Helz, G.R. 457
Hennessey, T. 355, 406
Henrichs, S.M. 977
Heppner, F.H. 308
Hermes, O.D. 475, 646, 964, 1206
Hersey, R.L. 393, 395
Hilken, D. 664
Hinga, K. 866
Hinga, K.R. 057, 332, 420, 610, 1041, 1042
Hirtzer, P. 1179
Hitchcock, G.L. 180, 208
Hites, R.A. 248, 262, 1159
Hjorleifsson, E. 869
Hobbie, J.E. 211, 268
Hodge, V.F. 178
Hoffman, E. 337, 897, 949
Hoffman, E.J. 244, 267, 298, 356, 416, 443, 472, 485, 533, 542, 543, 544, 545, 546, 547, 548, 575, 598, 637, 662, 686, 715, 788, 851, 934, 954, 1214
Hoffman, G. 541
Hoffman, G.L. 514

- Hoffman, J.A. 994
- Holleran, M. 539
- Holmsen, A. 369
- Homann, P.S. 674
- Hong, H. 709
- Hoover, J.K. 1228
- Hopkinson, C.S. 1072
- Horn, E. 664
- Horsley, S. 369
- Horsley, S.W. 1003
- Horwood, J. 565
- Howard-Strobel, M.M. 935
- Howard, W.F. 696
- Howe, H.E. 1155
- Howell, B.A. 1207
- Howell-Heller, P.T. 839
- Howell, P.T. 669
- Howell, W.H. 846
- Hozik, M.J. 558
- Hufford, S.S. 360
- Huizenga, D.L. 727
- Hull, R.J. 893, 1195
- Hunt, C. 213
- Hunt, C.D. 228, 407, 410, 441, 544, 593, 594, 595, 596, 605, 637, 666, 721, 931, 1038, 1043, 1047
- Hunt, J.M. 975
- Hurlburt, C.G. 314
- Hurttt, A.C. 181
- Hutchins, M. 189
- Hutchinson, D.R. 963, 969
- Hyde, F.W. 1127
- Hyland, J. 279
- Hyland, J.L. 054, 416, 711
- Hyman, M.A. 633
- Hyman, M.A.M. 285
- Hyman, M.S. 394
- I
- Ianniello, J.P. 627
- Inouye, I. 1004
- Isaji, T. 634, 635, 648
- J
- Jackim, E. 349
- Jackson, S. 596
- Jackson, S.R. 593, 594, 595
- Jacques, T.G. 687, 688
- Jarrett, O. 274, 291
- Jaworski, C. 467
- Jayko, K. 235, 520
- Jeffries, H.P. 015, 163, 166, 197, 198, 327, 480, 481, 482, 944, 946
- Jeffries, P. 036, 037, 792, 940
- Johns, D.M. 280
- Johnson, D.A. 834

- Johnson, D.L. 003
Johnson, G.F. 117, 394, 1022
Johnson, K.M. 179, 419, 436, 1018
Johnson, P.W. 005, 680, 681, 682, 865, 1086, 1129
Johnson, R.C. 1127
Johnson, W.C. 085
Johnston, H.E. 877
Joint, I.R. 565
Jones, D.E. 1059
Jones, E.L. 854
Jones, J.G. 765, 770
- K**
- Kaiser, D.W. 186
Karas, J.A. 523
Karentz, D. 650, 692
Karlsson, J.D. 1178
Kashmanian, R.M. 154, 402
Katz, C.H. 1099
Katz, J. 994
Kawtaluk, K. 967
Kazmierczak, L.J. 699
Kearney, M.S. 457
Keefe, C.W. 938
Keezer, G.R. 073
Keiffer, E. 1067
Keller, A. 036, 037, 511, 940
Keller, A.A. 066, 408, 412, 435, 446, 451, 452, 500, 506, 1040
Kellner, G.H. 1229
Kelly, J.R. 087, 228, 259, 431, 437, 445, 872, 1016, 1039
Kemp, P. 614
Kemp, W.M. 565, 938
Kennett, D.M. 461, 571, 617, 1116
Kerber, J.E. 153, 404
Kern, C.A. 1061
Kern, F.G. 556
Kerr, R.A. 468, 976
Kester, D.R. 727, 871, 931, 962, 1038
Kiernan, S. 1182
Kiernan, S.B. 1174
Kilham, P. 363
King, D.W. 133, 577, 931
Kleckner, R.C. 809
Klein-McPhee, G. 789
Klinkhammer, G. 270
Klitgord, K.D. 963, 969
Klos, E. 1036
Klos, E.G. 896
Klyberg, A.T. 954
Knebel, H.J. 226, 968
Kocis, D.E. 537
Koide, M. 273

- Koltes, K.H. 086, 649
Kopchynski, K.W. 605
Korba, M.J. 803
Korschgen, C.E. 1124
Koske, R.E. 505, 892, 1111
Kossin, L. 923, 1142
Krabach, M. 734
Kraus, M.G. 255
Krawiec, R.W. 324, 798
Kremer, J.N. 200, 321, 453, 652, 712
Kremer, P. 261, 652
Krouse, J.S. 531
Krueger, W.H. 1103
Krumnscheid, P. 264
Kuenstner, S.H. 983
Kuhn, A. 349
Kulis, D.M. 417
Kullberg, P. 357
Kumekawa, G. 1185
Kupa, J.J. 1186
Kyle, B. 686
- L
- Laflamme, R.E. 262
Lake, J.L. 249, 266, 675, 686, 873, 1098, 1100, 1196
Lambert, R. 480, 482
Lambert, R.M. 134, 327, 481
Lampitt, R. 565
Lane, P.A. 452
Lang, W. 283
Lang, W.H. 162, 168, 289
Langdon, C. 135, 1107
Langlois, G. 653
Lapan, R.L. 426
Laseter, J.L. 1100
Latimer, J.S. 047, 267, 418, 538, 542, 543, 544, 545, 584, 637, 662, 715, 851, 934, 1043, 1214
Laurence, G.C. 195
Laverty, E.B. 385
Lawler, G.C. 1100
Lawren, B. 307
Lawrence, S. 283
Lawrence, S.A. 116, 988
Lawson, J. 358
Lebaron, G.S. 836
LeBlanc, L.A. 047
LeBlanc, L.R. 009, 636
Lebrun, R.A. 306
Lee, R.F. 332, 420, 510, 743, 866, 945
Lee, T.F. 641
Lee, V. 013, 016, 019, 026, 192, 241, 316, 318, 357, 517, 519, 554, 659, 708, 929, 933, 1150
Lemay, P.J. 824

- Lemons, J.S. 1229
Lessard, E.J. 295, 810
Letendre, P.R. 786
Leveillee, A. 1079
Levin, L.A. 439
Levin, S.A. 1039
Levine, G. 677
Levitan, W.M. 347
Lewis, N.F. 1188
Lewis, R.S. 504, 602
Li, Y.-H. 201, 202, 242, 275,
310, 325, 450, 643, 725, 922,
956, 967, 973
Liang, D. 150
Liang, S.J. 581, 1062
Liang, Y.-J. 088
Licata, D. 353
Lippincott, B. 1119
Livingstone, D.R. 159
Livramento, J. 305
Locke, G. 471
Locke, G.L. 1050
Logue, D.F. 299
Lonergan, S.C. 774
Lopez-Avila, V. 248, 1159
Lorda, E. 285, 609, 667, 1134
Lotspeich, R.A. 041
Lough, G.R.G. 211
Lowenthal, D.H. 146, 959,
1154, 1188
Luedtke, N. 002, 164, 270
Luedtke, N.A. 642
Lussier, S. 349
Lussier, S.M. 827
Lynch, T.R. 1178
Lyons, P.C. 496

M
MacIntyre, F. 869
Macy, W.K. 093, 199, 423
Maevsky, A. 1193
Magnarelli, L.A. 1127
Mahler, J.P. 1205
Mandeville, F.W. 1224
Manheim, P. 624, 625
Mann, C.G. 762
Mansour, R.A. 828
Maranda, L. 220
Marcello, R.A. 393, 395, 1121
Marchand, J. 548
Marchesseault, G.D. 011
Marcotte, B.M. 411
Marcy, M. 168, 349
Marine Law Institute,
University of Maine School of
Law 863
Marine Research Inc. 399

- Marino, K.L. 1198, 1199
- Marks, B.C. 508
- Marshall, H.G. 265, 630
- Marshall, N. 688, 794
- Marti, K.A. 115, 312, 739
- Martin, B.K. 233, 239, 317
- Martin, J.H. 717, 1100
- Marx, P. 815
- Masters, M.H. 1000
- Matousek, J.A. 458
- Maughan, J.T. 092, 506, 1043
- Mayer, L.A. 636
- McBride, M.M. 294
- McCaffrey, R.J. 002, 164, 270, 276
- McCarthy, B.J. 821
- McCarty, H.B. 613, 743
- McCluskey, W.J. 1183
- McConnell, K.E. 303, 370, 371, 372, 373, 509
- McCurley, J. 1022
- McElroy, A.E. 449
- McFadden, E. 216
- McFarland, J.W. 1034
- McGilvray, L.J. 492, 822
- McGinn, S.R. 076, 352
- McGregor, M.A. 483
- McIvor, C.C. 1228
- McKee, K.L. 986
- McKenna, J.E. 114, 748
- McManus, L.T. 055, 1087
- McMaster, R.L. 077, 339, 464, 466, 644, 974
- Means, J.C. 449
- Meise-Munns, C.J. 311
- Meller, L.E. 704
- Melzian, B.D. 091, 279
- Mendelsohn, D. 634
- Metcalf, W.S. 573
- Meyer, C. 664
- Michelman, M.S. 187
- Mid-Atlantic Fishery Management Council 850, 852
- Middleton, F. 442
- Middleton, F.H. 009
- Miescier, J.J. 1146
- Migliuolo, A. 125
- Milkowski, G. 1162
- Mille, G. 305
- Miller, D.C. 162, 168, 280, 283, 284, 349, 711, 1007
- Miller, D.M. 817
- Miller, T. 1102
- Miller, W.L. 931, 962
- Mills, G.L. 053, 165, 209, 216, 221, 252, 267, 542, 543, 544, 546, 637, 662, 710, 715
- Mills, L. 691

- Minsinger, W.E. 184
Mitchell, J.G. 983
Moore, J.F. 1161
Moore, M.N. 159
Morang, A. 077
Morrison, G. 270, 956
Morse, W. 619
Morton, R.W. 853
Mosher, B.W. 090, 690
Mosher, S. 301, 476, 503, 645
Mossa, J. 924
Mountain, D.G. 626
Moynehan, J.D. 1198, 1199
Mueller, J.J. 011
Mukherji, P. 365
Muller, F. 065
Multer, J. 1199
Muniak, D. 1071
Munns, W.R. 772
Munroe, T.A. 041
Murray, D.P. 300, 495, 497, 728, 971
Murray, S.J. 971
Murray, T. 367
Murray, T.E. 089
Myer, M.C. 1157
Myers, A.C. 025, 270
Myers, J.C. 582
Myers, J.E. 1127, 1161
- N
- Nacci, D. 679
Nacci, D.M. 781
Nacci, V.A. 009
Najarian, J.L. 302
Needell, S.W. 226, 504, 602, 968
Nelson, S. 601
Nelson, W.G. 1002
Nelson, W.H. 696
Nicholson, L.E. 478, 1151
Nicholson, W.R. 1141
Nicolosi, A.S. 152, 1120
Nixon, D.W. 021, 1143
Nixon, S. 176, 213, 336
Nixon, S.W. 001, 075, 222, 254, 256, 259, 287, 330, 398, 421, 429, 430, 440, 441, 445, 448, 498, 506, 536, 540, 552, 553, 554, 564, 565, 654, 708, 712, 713, 724, 872, 932, 941, 1016, 1156, 1204
Nolan, A.L. 389
Noorigian, R.E. 370
Normandeau Associates, Inc. 1081
Norwood, C. 249
Norwood, C.B. 042, 266, 686, 873, 1196
Nowicki, B.L. 124, 330, 441

- Nyffeler, U.P. 275, 725, 973
- O
- O'Brien, J.F. 1070, 1106
- O'Brien, J.P. 027, 050
- O'Hara, C.J. 226, 968
- O'Hara, P. 310, 922, 973
- O'Hara, T. 1121
- O'Keefe, P. 664
- O'Neill, D.J. 123, 621, 1190
- O'Neill, T.Q. 566
- O'Reilly, J.E. 051
- Odum, W.E. 1228
- Olsen, S. 019, 026, 048, 192, 316, 318, 428, 616, 730, 905, 929, 1028, 1074, 1150, 1163
- Olsen, S.B. 016, 1164
- Opaluch, J.J. 402
- Oprandy, J.J. 848
- Orphanos, J.A. 417
- Ostrowski, M.F. 379
- Ouellete, T.R. 855
- Oviatt, C. 034, 679, 1017
- Oviatt, C.A. 001, 028, 259, 286, 287, 292, 322, 408, 412, 428, 431, 437, 440, 444, 506, 536, 541, 552, 605, 712, 713, 872, 895, 939, 985, 998, 1016, 1040, 1043
- Ozbilgin, M.M. 819
- P
- Palmquist, R.E. 042
- Parker, C.A. 1157
- Parker, H.S. 096, 697, 797
- Parker, P.L. 930
- Patrick, W.H. 986
- Paul, J.F. 626
- Pavish, D. 639
- Payne, T. 896
- Pearce, J.B. 1133
- Pease, M.H. 1206
- Pechenik, J.A. 280, 685
- Peckol, P. 264, 1114
- Peele, E.R. 313
- Penrose, N.L. 1171
- Perez, K. 712
- Perez, K.T. 433, 713
- Peters, C.R. 814
- Peters, E.C. 097, 989
- Peters, M.E. 122
- Peterson, D.H. 1200
- Peterson, S. 606
- Petrecca, R.F. 738
- Petrillo, A. 297
- Petruny-Parker, M.E. 232
- Phelps, D.K. 006, 020, 269, 277, 416, 426, 1099, 1100
- Phillips, B.F. 400
- Pickart, D. 474

- Pierce, T.A. 646
- Pigoga, V.J. 947
- Pilson, M. 213
- Pilson, M.E.Q. 001, 028, 075,
176, 196, 204, 212, 222, 254,
286, 332, 420, 428, 451, 452,
498, 506, 507, 536, 541, 564,
565, 593, 594, 595, 596, 607,
654, 687, 688, 750, 939, 985,
989, 1016, 1023, 1041, 1042
- Piotrowicz, S.R. 160, 293
- Poggie, J.J. 477, 1170
- Poirier, G. 1185
- Polgar, T.T. 1022
- Pollnac, R.B. 1170
- Poon, C.P.C. 950
- Postma, H. 565
- Powers, K.D. 570
- Prager, M.H. 1070
- Pratt, H.L. 751
- Pratt, H.W. 366, 488
- Pratt, S.D. 030, 238, 239,
317, 858, 947
- Prebel, D.E. 308
- Prezioso, J. 207, 740
- Pruell, R.J. 042, 062, 304,
598, 675, 918, 996, 1035, 1098
- Q
- Quinby, H.L. 387
- Quinn, J.G. 047, 165, 181,
188, 203, 209, 210, 215, 216,
217, 221, 252, 267, 290, 304,
418, 443, 468, 472, 485, 533,
542, 543, 544, 545, 546, 548,
584, 598, 608, 637, 662, 675,
686, 710, 715, 743, 763, 851,
934, 960, 976, 979, 996, 1035,
1043, 1098, 1214
- Quinn, W.P. 720
- R
- R.I. Department of Economic
Development 1191
- R.I. Div. Planning 1220,
1221, 1226
- R.I. Statewide Planning Office
157, 1217
- Raben, J.D. 728
- Rahn, K.A. 146, 902, 913,
959, 1154, 1188
- Ralph, W.L. 841
- Rao, J.M. 646
- Rast, N. 476, 970
- Rath, R.L. 386
- Rebach, S. 670
- Reck, B.H. 301, 645, 1019
- Rector, D.D. 631
- Redfield, A.E. 347
- Reed, P.B. 592
- Replogle, F. 958
- Requejo, A.G. 060, 215, 217,
231, 960, 979
- Reynolds, B.H. 1099
- Rheault, R.B. 805

- Rheinberger, R. 514
- Rhoads, D.C. 033
- Richards, R.A. 007, 172, 218, 678, 812, 1140
- Richardson, E.J. 813, 1135
- Richardson, K.A. 742
- Richardson, L.M. 282
- Richkus, W.A. 700
- Rider, R. 422
- Riebesell, U. 1001
- Rines, H.M. 095
- Rines, J.E.B. 129, 257, 612
- Rippey, S.R. 580
- Risebrough, R.W. 717, 930, 1100
- Ritacco, P. 128
- Ritacco, P.J. 319, 455, 984, 1007
- Robadue, D.D. 019, 232, 233, 234, 350, 355, 406, 659, 900, 912, 1176
- Robinson, N. 1066
- Rodelli, M.R. 168
- Roffer, M.A. 1051
- Rogers, B.A. 704
- Rogerson, P.F. 266, 1100
- Rooney, P.A. 831
- Ropes, J.W. 759
- Rogues, P.F. 094, 1204
- Rorholm, N. 334, 908, 1068
- Rose, K.A. 1022, 1145
- Rose, V. 1174
- Rosen, J.S. 127
- Rosen, M.R. 1133
- Rosenberg, M.J. 780
- Rosenfeld, J.K. 343, 344
- Ross, N. 1169
- Ross, N.W. 549, 551, 597, 1172
- Rossoll, R.M. 806
- Ruais, R.P. 1151
- Rudnick, D. 536
- Rudnick, D.T. 071, 224, 292, 412, 561, 997, 1016, 1037, 1091
- Rusanowsky, D. 508
- Russell, H.J. 039, 524
- Ryan, C. 510
- S
- Saila, S.B. 010, 239, 285, 317, 473, 667, 739, 884, 947, 1070, 1134
- Sailor, J. 1144
- Salem, A.A. 775
- Salkeld, P. 159
- Sampou, P.A. 412, 593, 594, 1040, 1043
- Sand, R.L. 130
- Santschi, P.H. 201, 202, 213, 225, 242, 272, 275, 310, 320, 325, 450, 470, 604, 643, 723, 725, 922, 943, 956, 967, 973,

- 1045
- Sastry, A.N. 494, 579, 988, 1010
- Saxena, A. 1219
- Schauer, P.S. 282
- Scheinkman, J.J. 456
- Schemel, L.E. 1200
- Schimmel, S.C. 349
- Schlitz, R.J. 626
- Schmidt, L.G. 1009
- Schneider, C. 335
- Schnitzer, M.B. 640
- Schock, S.G. 636
- Schroder, W.K. 182
- Schwanke, M.L. 779
- Schwarz, C. 382
- Schwarz, E. 382
- Schwarzbach, H. 512
- Schweid, D.W. 1063
- Schweitzer, K. 541
- Scott, K.J. 1099
- Scudlark, J. R. 003
- Scully, E.P. 029
- Seavey, G. 1153
- Seavey, G.L. 030, 616
- Sedgwick, S. 048, 1180
- Seidel, S.L. 178
- Seitzinger, S. 176, 536
- Seitzinger, S.P. 018, 075, 222, 430, 589, 925
- Seligman, P.F. 745
- Severson, R.H. 515
- Shane, L. 664
- Shann, J. 893
- Shann, J.R. 729, 1195
- Sharrard, G.P. 383
- Shaw, D.G. 490
- Sheath, R.G. 1109, 1110
- Sherman, K. 481, 619
- Shimizu, Y. 220
- Shirreff, W.J. 388
- Sholkovitz, E.R. 966
- Shonting, D. 022, 297, 442
- Shonting, D.H. 1190
- Shoop, C.R. 368, 886
- Shumway, S.E. 1104
- Sieburth, J.McN. 005, 179, 295, 415, 419, 424, 436, 680, 681, 682, 683, 693, 865, 869, 1015, 1018, 1086, 1125, 1129
- Sieracki, M.E. 099, 1125, 1129
- Silkes, W.F. 1064
- Simoneau, M.M. 581
- Simpson, E.J. 718
- Simpson, K.L. 282, 677
- Simpson, T.G. 935
- Singleton, F.L. 313

- Sisson, R.T. 1177
- Skehan, J.W. 299, 476, 495, 497, 728, 970, 971, 980
- Skelly, M.J. 458
- Skinner, L. 664
- Sloan, R. 664
- Smayda, T.J. 031, 040, 161, 191, 427, 434, 562, 586, 650, 673, 722, 1136, 1137, 1175
- Smigielski, A.S. 195
- Smith, C.H. 174
- Smith, D.L. 407, 410, 1047
- Smith, E.M. 529
- Smith, G.W. 981
- Smith, J.E. 347
- Smith, J.W. 1141
- Smith, L. 193
- Smith, L.J. 606
- Smith, M.W. 1198, 1199
- Smith, R. 664
- Smith, R.E. 1200
- Smith, T.J. 1228
- Smith, T.P. 126, 370, 371, 372, 373, 509, 1073
- Smith, W. 414, 619, 868
- Socci, A.D. 981
- Solon, M.H. 346, 829
- Sorensen, P.W. 661, 707, 870, 1101, 1132, 1139, 1197
- Sosnowski, S.L. 043
- Souza, D.J. 381
- Sowers, T. 437
- Spaulding, M. 296, 518, 660
- Spaulding, M.L. 364, 578, 581, 590, 635, 639, 648
- Specker, J. 752
- Specker, J.L. 1106
- Stace, J. 648
- Stacey, B.M. 411
- Stafford, C.J. 1077
- Staton, W.L. 274
- Steele, R.L. 223, 278
- Steele, R.W. 865
- Steimle, F.W. 250, 937
- Stickey, I.H. 878
- Stoecker, D. 194
- Stolzenbach, K.D. 1184
- Stout, P.K. 1166, 1167
- Strand, I.E. 011
- Strobel, C.J. 679
- Stuckey, I.H. 747, 749, 754, 755, 756, 757, 758, 761, 787, 791, 795, 879, 880, 882, 885, 887, 889, 891, 894, 899, 901, 903, 904, 906, 907, 910, 916, 919, 921, 1112
- Sullivan, B. 536, 552
- Sullivan, B.K. 319, 455, 506, 984, 1007, 1043, 1087
- Sullivan, C.W. 462
- Sullivan, R.J. 1076

- Summers, J.K. 1022, 1145
- Sunda, W.G. 491
- Swanson, C. 660
- Swanson, J.C. 235, 377, 520, 634
- Swanson, R.L. 1157
- Sweatt, A.J. 004
- Swift, E. 691, 695
- Sypek, J.P. 843
- Syslo, M. 400
- Szmant-Froelich, A. 196, 204, 401
- T**
- Takahata, N. 1004
- Tarr, J.A. 1022
- Tasker, G.D. 1201
- Tattersall, J.M. 778
- Taylor, G.T. 462
- Teal, J.M. 305
- Temple, P. 022, 297
- Terceiro, M. 052, 166, 486
- Terkla, D.G. 1083
- Theroux, R.B. 493
- Thomas, J.P. 626
- Thomas, K.J. 559
- Thorne-Miller B. 563, 599, 1096, 1097, 1115
- Thurberg, F.P. 006
- Thursby, G.B. 583, 800, 1008, 1097, 1115
- Tilton, M.A. 838
- Timothy, D.P. 777
- Tiner, R.W. 1092
- Tjessem, K. 305, 332
- Todd, J. 391
- Tomas, C.R. 245, 246, 247, 733
- Toner, R.C. 572
- Tootle J.L. 693
- Tracey, G.A. 392, 865, 1090
- Traxler, R.W. 1020
- Trier, R.M. 967
- Trifan, D.M. 140
- Tripp, B.W. 305
- Truesdale, V.W. 164
- Turner, A.C. 1058
- Turton, H. 760
- Tyrrell, T.J. 513, 624, 625, 744
- U**
- U.S. Army, Corps of Engineers,
New England Division 706,
1218
- U.S. Congress. Senate.
Committee on Environment and
Public Works. Subcommittee on
Environmental Protection.
147, 156
- U.S. National Park Service.
North Atlantic Regional Office

- 1227
- U.S. NOAA, Office of Coastal
Zone Management 1194
- Uncles, R.J. 409
- Urish, D.W. 405, 888
- Urso, S.B. 484
- V
- Vafa, G. 745
- Van Engel, W.A. 527
- Van Vleet, E.S. 188
- Vandal, G.M. 1030
- Vargo, G.A. 008, 189, 286,
291, 605, 653
- Vargo, S.L. 286, 447, 653
- Vaughan, D.S. 1141
- Verity, P. G. 040, 069, 161,
194, 214, 434, 694, 722, 726,
991, 992, 993, 1088, 1089, 1107
- Villalard-Bohnsack, M. 1114
- Villareal, T.A. 434, 1136
- W
- Walker, H. 028, 1134
- Walker, H.A. 667
- Walker, H.J. 924
- Walker, N.P. 038
- Walsh, K.M. 835
- Walsh, P.R. 702
- Walsh, R. 679
- Wandle, S. 1232
- Wandle, S.W. 073
- Wang, D. 007, 400, 830
- Wang, J.S. 521
- Ward, H. 923, 1142
- Ward, L.G. 457
- Warren, W.M. 541, 593, 594,
595
- Warsh, C.E. 626
- Waterman, M.L. 954
- Watkins, W.D. 580, 842, 1130,
1131
- Watson, J.K. 855
- Weaver, T.F. 303
- Weber, L. 541
- Webster, M.J. 299, 1054
- Weinberg, J.R. 1006, 1052
- Weisel, C.P. 160
- Weissberg, G.H. 347
- Welsh, B.L. 328, 1173
- Wesley, P. 390
- West, N. 193, 425, 492, 742
- Westcott, D.R. 1071
- Westin, D.T. 704

- Whelan, J.K. 975
Whitaker, L.R. 1148
White, F.M. 581
Whitlatch, R.B. 328
Widbom, B. 1044, 1187
Widdows, J. 020, 159, 632
Wigley, R.L. 493
Willey, R.E. 1201
Williams, J.R. 1201
Williamson, C. 1225
Willis, C. 380
Wiltse, W.I. 354
Wind, J.J. 360
Windsor, J.G. 262
Winn, H.E. 700, 707, 870,
1139, 1197
Winsor, D.S. 1071
Winters, J.K. 930
Wise, C. 1084
Wise, W.M. 860
Wiseman, R.W. 802
Wishner, K.F. 311
Wlodarczyk, E. 469
Wolfe, J.M. 657, 658, 773
Wolke, R.E. 473, 1131, 1134
Wood, E.M. 1020
Wood, R.S. 811
Woods, J. 782
Worobec, M.N. 098, 995
Wright, M.I. 1076
Wright, R.M. 1082
Wulff, F. 565
- Y
- Yetman, K.T. 1022
Yevich, C.A. 1108
Yevich, P. 204
Yevich, P.P. 514, 1108
Yoder, J.A. 032, 141, 703
Young, K. 823
Yund, P.O. 618
- Z
- Zakaria, S.P. 362
Zartman, R.E. 964, 1206
Zdanowicz, V.S. 250
Zheng, J. 047, 584
Zinn, D. 1118
Zinn, D.J. 917
Zyry, D.M. 844

Subject Index

- A**
- abundance 004, 005, 015, 031, 049, 052, 056, 059, 069, 093, 098, 099, 111, 116, 119, 123, 130, 134, 140, 166, 194, 197, 198, 214, 220, 224, 229, 247, 265, 271, 287, 288, 289, 294, 313, 319, 324, 393, 394, 408, 415, 444, 447, 451, 452, 455, 461, 479, 480, 482, 486, 493, 502, 530, 570, 617, 618, 619, 630, 650, 657, 668, 669, 673, 682, 689, 737, 741, 751, 776, 811, 837, 842, 850, 852, 859, 865, 870, 942, 947, 984, 994, 1006, 1022, 1051, 1065, 1114, 1116, 1136, 1137, 1145, 1175, 1178
- acarines 255
- accretion 567, 569
- acid rain 146, 902, 913, 950, 1188
- acoustical methods 009, 150, 442
- acoustics 150, 442, 636, 778, 783, 835
- activity patterns 118, 684, 700, 803, 808
- adaptations 058, 078, 107
- adsorption 121, 137, 211, 225, 343, 344, 731, 743, 945, 1035, 1046, 1048
- advection 121, 270, 642
- aerial photography 348
- aerial surveys 1056
- aerosols 230, 782, 913, 957, 959, 1154
- age 117, 161, 239, 294, 317, 535, 537
- age composition 219, 704, 739, 832, 839
- age determination 115, 177, 739, 759, 832, 964, 965
- agonistic behavior 346
- air pollution 146, 471, 1050, 1154, 1188
- air-sea interaction 235, 782
- air-water exchanges 160, 293
- air-water interface 090, 202, 638
- airports 1221
- alcohols 188
- alewife 036, 037, 049, 294, 440, 509, 700, 707, 940, 1177, 1211
- algae 043, 095, 096, 192, 223, 264, 268, 278, 309, 328, 618, 623, 641, 657, 658, 681, 682, 689, 693, 696, 697, 773, 776, 797, 834, 847, 911, 938, 960, 1094, 1114, 1172
- algal blooms 024, 031, 032, 247, 392, 410, 427, 434, 468, 586, 680, 681, 712, 732, 733, 766, 865, 983, 1090, 1158
- Allegheny Orogeny 300, 476, 497, 645
- alligatorfish 049
- ambient noise 442
- American conger 1177
- American dab 049

- American dune grass 919
- American eel 037, 049, 458,
509, 661, 684, 707, 809, 832,
870, 940, 1101, 1103, 1132,
1139, 1165, 1177, 1197
- American lobster 007, 037,
039, 172, 218, 266, 346, 393,
394, 395, 400, 524, 525, 526,
527, 528, 529, 530, 531, 532,
621, 633, 678, 740, 746, 779,
808, 812, 813, 825, 826, 829,
830, 831, 845, 858, 1010, 1121,
1140
- American oyster 459, 591
- American plaice 294
- American pollock 509
- American sand lance 704
- American smelt 049
- amethyst gemclams 1006, 1052
- amino acids 282, 344, 806,
977
- amphibians 1228
- amphipods 054, 114, 130, 489,
997
- anaerobic bacteria 215, 217,
999
- analytical techniques 082,
501
- anchovy 940
- anemones 031, 103
- anglerfish 294
- animal communication 346, 829
- animal physiology 020
- annual variations 049, 166,
212, 214, 229, 247, 393, 435,
650, 673, 820
- anoxic conditions 088, 094,
215, 461, 571, 679, 922, 977,
998, 1040, 1043, 1156
- anoxic sediments 060, 104,
227, 262, 276, 343, 344, 721,
975
- antennae 346, 829
- anthropogenic factors 127,
1022
- anthropogenic impacts 540
- anthropology 153, 155, 404
- Appalachians 299, 300
- aquaculture 021, 045, 238,
391, 622, 752, 794
- aquatic communities 327, 1109
- aquifers 405
- archeology 153, 155, 404,
1079
- area 421
- argillaceous texture 379
- artificial feeding 282
- Atlantic cod 037, 049, 294,
619, 858
- Atlantic flounder 1211
- Atlantic herring 036, 037,
049, 294, 850, 940
- Atlantic mackerel 049, 294,
619, 850, 1177
- Atlantic menhaden 035, 037,
040, 049, 161, 458, 488
- Atlantic rock crabs 812
- Atlantic salmon 752

- Atlantic silversides 037, 045, 049, 086, 177, 282, 458, 479, 620, 649
- Atlantic sturgeon 1177
- Atlantic tomcod 037
- atmospheric chemistry 090, 160, 230, 690, 701, 702, 902, 913, 957, 1188
- atmospheric circulation 146, 957
- atmospheric forcing 251
- atmospheric gases 090, 230, 690, 702
- atmospheric measurement 090, 690, 958
- atmospheric particulates 090, 230, 293, 690, 702, 913
- attractants 1101
- autecology 025, 245, 246, 247, 324
- autolysis 118
- avoidance reactions 678
- B**
- bacteria 003, 099, 102, 104, 109, 118, 179, 268, 295, 313, 424, 462, 693, 737, 767, 769, 774, 775, 810, 816, 824, 842, 861, 865, 867, 869, 915, 945, 950, 1015, 1020, 1125, 1129, 1130, 1146
- barnacles 103, 130, 162, 168, 283, 289, 1118
- barndoor skate 1177
- barracuda 619
- barrier beaches 108, 456, 460, 718, 888, 1149, 1182, 1226
- barrier islands 456
- basking sharks 751
- batch culture 032, 135, 141, 194, 282, 982, 991, 992, 993
- bathymetry 226, 296, 336, 421
- bay anchovy 037, 049, 458
- Bay Island Park System 1227
- bay scallops 037, 095, 100, 112, 459, 488, 579, 686, 765, 770, 794, 823, 840, 983
- bayberry 892
- beach accretion 348
- beach erosion 348
- beach heather 887
- beach morphology 108, 534, 567, 569, 780, 819, 820
- beach nourishment 108, 534
- beach profiles 348, 651
- beach wormwood 910
- beaches 255, 303, 534, 587, 651, 753, 777, 793, 819, 820, 927, 1026, 1118, 1162, 1166
- beachgrass 892
- beachpea 892
- bed forms 077, 108, 226
- behavior 007, 093, 140, 162, 168, 218, 283, 308, 400, 477, 550, 621, 647, 669, 678, 695, 762, 779, 808, 812, 825, 826, 828, 829, 830, 831, 833, 837, 1140, 1163, 1183
- Benthic fauna 033, 054, 056,

- 071, 087, 092, 103, 114, 561,
937, 1187
- benthic flux 001, 002, 008,
034, 087, 094, 101, 124, 125,
127, 137, 176, 202, 227, 228,
235, 240, 253, 256, 259, 270,
271, 272, 273, 276, 284, 305,
310, 330, 398, 408, 410, 437,
445, 457, 470, 506, 507, 642,
721, 723, 731, 864, 866, 872,
966, 967, 1017, 1047
- benthos 019, 124, 126, 163,
224, 256, 270, 271, 284, 305,
322, 323, 329, 330, 399, 403,
408, 414, 416, 439, 445, 448,
449, 461, 489, 493, 502, 506,
507, 536, 552, 561, 562, 571,
617, 653, 655, 671, 724, 738,
857, 859, 864, 867, 868, 895,
947, 994, 997, 1016, 1017,
1043, 1105, 1116
- bibliographic index 158
- bioaccumulation 062, 091,
250, 311, 426, 449, 508, 675,
676, 855, 1003
- bioassays 220, 278, 319, 349,
711, 827, 840
- biochemical analysis 095,
196, 585, 840
- biochemical cycles 134, 840
- biochemistry 111, 128, 282,
309, 327, 480, 482, 676, 928,
944, 946, 1027
- biodegradation 057, 106, 211,
325, 326, 397, 483, 523, 638,
743, 786, 945, 978, 1048
- bioenergetics 035, 040, 093,
095, 111, 113, 392, 685, 849,
898
- biogenic material 215, 217
- biogeochemical cycles 002,
051, 053, 056, 057, 067, 071,
075, 090, 102, 105, 137, 160,
212, 329, 407, 441, 564, 565,
604, 723
- biogeochemical cycling 018,
061, 065, 192, 201, 202, 210,
228, 253, 305, 331, 332, 343,
344, 397, 410, 420, 437, 445,
470, 489, 498, 506, 507, 510,
523, 552, 562, 607, 608, 610,
638, 642, 655, 666, 717, 724,
725, 743, 872
- biogeochemistry 003, 062,
084, 206, 211, 216, 305, 320,
331, 332, 483, 1045
- biogeography 085, 347
- biological development 204,
280, 804
- biological production 214,
254, 328, 394
- biological stress 020, 086,
159, 269, 279, 312, 414, 416,
609, 989
- bioluminescence 078, 691,
695, 762, 920
- biomass 005, 015, 031, 043,
046, 066, 118, 141, 167, 197,
198, 224, 229, 261, 268, 327,
387, 446, 451, 453, 480, 489,
493, 507, 509, 570, 652, 674,
683, 741, 767, 776, 816, 937,
942, 1096, 1097, 1102, 1107,
1115
- biostratigraphy 496
- bioturbation 002, 025, 104,
201, 202, 225, 253, 270, 272,
273, 275, 284, 292, 310, 642,
653, 655, 864, 967, 994, 1005,
1035
- birds 019, 074, 308, 570,
748, 837, 838, 935, 1077, 1123,
1124, 1228
- bivalves 054, 056, 107, 114,

- 126, 128, 224, 236, 286, 322,
449, 489, 579, 663, 686, 805,
942, 997, 1005, 1006, 1016,
1017, 1024, 1044, 1052, 1073,
1104
- black-crowned night herons
308, 1123, 1124
- black flounder 1211
- black-legged kittiwake 570
- black sea bass 294, 1177
- blooms 1136, 1137
- blue crabs 036, 037, 091,
1118
- blue mussels 062, 173, 220,
314, 315, 392, 488, 591, 632,
663, 675, 717, 732, 745, 805,
840, 843, 849, 855, 856, 860,
865, 918, 930, 944, 946, 1002,
1064, 1090, 1098, 1099
- blueback herring 036, 037,
294, 509, 940, 1177
- bluefin tuna 509, 1051, 1211
- bluefish 036, 037, 049, 294,
370, 371, 509, 940, 1177, 1211
- boat building 512
- boating 142, 144, 549, 551,
597, 908, 1026, 1057, 1067,
1180
- boating industry 1068
- boats 142, 193, 386, 513,
862, 951, 1151
- body burden 020, 110, 250,
521, 632, 663, 855, 856
- body conditions 239, 317, 677
- Bonaparte's gull 570
- bonito 1211
- bottom topography 226
- bottom trawls 036, 037
- bottom water 241, 252, 276
- brachiopods 840
- breakwaters 123, 924, 1081
- breeding 219, 289, 308, 748,
837, 838, 839, 1123, 1124
- breeding seasons 289
- bridges 1076, 1078
- brown tides 732, 860, 865,
983, 1136, 1137, 1158
- bryozoans 942
- bubble bursting 160, 293, 782
- burrowing 1105, 1183
- burrows 025, 081, 284, 345,
864, 1014
- butterfish 031, 036, 037,
049, 052, 166, 294, 458, 509,
858, 940, 1177, 1178, 1211
- C
- calcification 080, 687, 688
- calorimetry 236
- Cambrian 299
- Canada geese 219
- cancer crabs 036, 037
- carbohydrates 079, 102, 179,
180, 419, 805
- carbon cycle 051, 071, 114,
124, 268, 292, 322, 328, 431,
613, 1072
- carbon-nitrogen ratio 094,

- 112, 246
- Carboniferous 515
- cargoes 169
- catalase 390
- catch 036, 037, 238, 1121, 1126, 1135, 1191
- catch composition 399, 1141, 1177
- catch/effort 528, 529, 812, 1022
- catch statistics 294, 529, 741, 850, 852, 929, 940, 1141, 1211
- cations 164
- cattle egrets 1123, 1124
- cell division 032, 692, 1015
- chaetognaths 004, 942
- channeled whelk 811
- check lists 129, 257, 265, 347
- chemical composition 161, 293, 703, 797, 798, 854, 976, 1107
- chemical equilibrium 133, 449, 727
- chemical extraction 709
- chemical kinetics 065, 088, 133
- chemical oceanography 320
- chemical pollutants 042, 047, 248, 266, 341, 934, 1024, 1025
- chemical pollution 266, 341, 763, 1159
- chemical properties 1110
- chemical spills 341
- chemical stimuli 131
- chemistry 320, 709, 727, 861, 962
- chemoreception 081, 845
- chemoreceptors 078
- chlorination 387
- chlorophylls 112, 129, 180, 212, 260, 263, 265, 274, 286, 287, 288, 291, 324, 327, 403, 448, 451, 541, 694, 703, 938, 939, 1017, 1107
- chlorophytes 291
- chromatographic techniques 053, 060, 165, 209, 216
- chroococcoid cyanobacteria 005, 1086
- chrysophytes 291, 865, 1136
- ciliates 056, 271, 462, 683, 726, 766, 942, 1037
- circulation 1184
- cladocerans 103, 134, 942
- clam culture 314
- clam fisheries 143, 238
- clams 062, 111, 677, 1118
- clay minerals 188, 343, 344
- climatic changes 085
- clones 064, 245, 246, 263, 324, 573, 987
- cnidarians 114
- coal 471, 515, 728, 1193

- coast blite 906
 coastal erosion 1056
 coastal lagoons 076, 192, 234, 459, 553, 554, 563, 599, 635, 648, 730, 734, 771, 924, 929, 933, 1096, 1097, 1110, 1115, 1116, 1150, 1165
 Coastal Resources Council 1180
 Coastal Resources Management Council 1028, 1148, 1215
 coastal zone 013, 360, 1092, 1099, 1111, 1133, 1153, 1157
 coastal zone management 016, 157, 186, 192, 234, 303, 307, 316, 318, 342, 385, 396, 492, 522, 566, 567, 611, 616, 771, 822, 863, 900, 905, 912, 923, 927, 929, 948, 952, 953, 1028, 1060, 1074, 1143, 1148, 1150, 1160, 1182, 1185, 1215, 1218, 1226
 coccolithophorids 265
 cod 036, 370, 371, 509, 928, 1151, 1177, 1211
 coliforms 1146
 colonial settlements 237, 1119, 1224, 1230, 1231
 colonial tunicate 488
 colonies 434, 1123, 1124
 commerce 074, 237, 513
 commercial fishing 021, 023, 027, 048, 478, 622, 1022, 1071, 1083
 common herring 509
 common loons 570, 748
 common marsh snails 647
 common mummuchaug 1177
 common murre 570
 common periwinkle 1012
 common saltwort 882
 common sea bass 509
 common searobin 509, 1177
 common squid 093
 common terns 1077, 1123, 1124, 1161
 community composition 069, 071, 085, 092, 103, 114, 123, 134, 163, 167, 189, 205, 214, 265, 271, 286, 291, 323, 327, 408, 411, 414, 416, 461, 480, 481, 482, 502, 507, 540, 571, 599, 612, 618, 630, 650, 653, 658, 673, 683, 732, 738, 748, 773, 792, 799, 837, 838, 865, 937, 942, 947, 984, 1011, 1012, 1036, 1037, 1044, 1117
 community structure 592
 comparative studies 327, 328, 403, 448, 568
 competition 007, 052, 085, 103, 172, 218, 224, 479, 486, 563, 573, 621, 746, 798, 808, 828, 830, 847, 1006, 1011, 1013, 1140
 complexing 053, 061, 065, 084, 491
 computer programs 082, 577, 869
 concentration 242, 248, 304, 547, 686, 745, 1030
 conchs 036, 037, 052, 811
 condition factor 020, 159
 conglomerate 503

- conservation 492, 875, 1026, 1034, 1194
- construction 169, 924, 1218
- container ships 1063
- container terminals 1219
- containment 340, 698
- continental shelf 039, 226
- continuous culture 068
- control systems 388
- copepods 017, 043, 046, 055, 056, 071, 078, 103, 116, 134, 255, 319, 349, 411, 438, 455, 469, 499, 536, 572, 619, 691, 695, 722, 733, 762, 807, 942, 944, 946, 984, 988, 1007, 1037, 1087, 1137
- coral 072, 097, 196, 204, 401, 613, 687, 688, 989, 1118
- cordgrass 729, 1102
- cores 009, 018, 067, 075, 127, 150, 176, 178, 181, 213, 215, 217, 252, 262, 290, 352, 445, 561, 783, 896, 996, 1009
- cormorants 748
- corrosion 422
- Cory's shearwater 570
- crabs 130, 236, 238, 1010, 1140, 1211
- croaker 1211
- crustaceans 025, 236, 280, 994, 1010, 1016
- crystallization 537
- ctenophores 031, 103, 134, 191, 229, 261, 427, 586, 652, 762, 920, 942, 944, 946
- cultured organisms 281, 1094
- cultures 005, 102, 118, 281, 309, 315, 656, 689, 703, 726, 769, 798, 800, 810, 824, 834, 1007
- cunner 036, 037, 049, 130, 509, 740, 940, 1177
- current velocity 140, 697
- currents 096, 100, 149, 296, 364, 563, 627, 1058
- cusck 1177, 1211
- cusck eels 619
- cyanobacteria 865
- D
- dame's rocket 901
- data acquisition 285
- data collections 011, 036, 037, 360, 367, 399, 408, 931, 940, 961
- data processing 285, 360, 577
- data reports 244, 529, 541, 593, 594, 595, 596
- data storage and retrieval 360
- deadman's fingers 911
- decapods 114, 140, 942
- deep sea scallops 173
- deer populations 1127
- defense mechanisms 081, 345
- deformation 301, 503, 645
- degradation 094, 106, 125, 206, 211, 420, 422, 510, 745,

- 866, 945, 960, 1042
- denitrification 018, 176, 222, 254, 256, 430, 536, 925
- density 1130, 1134
- density flow 251
- density gradients 1058
- depositional features 351, 352, 515, 644, 645, 646
- depth 421, 493
- depuration 362
- detritus 051, 067, 071, 217, 224, 268, 292, 1091
- diagenesis 164, 188, 206, 343, 344, 977
- diapause 055
- diatoms 024, 031, 032, 035, 040, 044, 064, 067, 069, 070, 129, 136, 141, 167, 180, 189, 190, 191, 205, 208, 243, 257, 260, 263, 274, 286, 291, 324, 363, 410, 424, 427, 461, 468, 469, 536, 571, 586, 612, 617, 640, 693, 703, 705, 733, 798, 860, 898, 982, 987, 991, 992, 993, 1001, 1093, 1095, 1116, 1175, 1203
- diets 282, 677, 839, 845
- diffusion 106, 121, 190, 270, 310, 922
- dimensions 328, 421
- dinoflagellates 069, 078, 136, 167, 220, 265, 291, 417, 427, 586, 691, 692, 695, 802, 1104
- disease 097, 473, 516, 667, 768, 823, 842, 844, 848, 915
- dispersants 816
- disputes 021
- dissolved inorganic matter 254
- dissolved organic matter 053, 061, 084, 118, 165, 209, 216, 221, 468, 727, 962, 976
- distribution 004, 007, 015, 041, 049, 060, 063, 070, 080, 084, 085, 090, 093, 100, 110, 121, 129, 188, 197, 198, 203, 210, 218, 231, 239, 247, 255, 257, 291, 306, 313, 317, 331, 366, 368, 393, 394, 400, 417, 459, 479, 483, 487, 493, 570, 573, 612, 617, 620, 622, 630, 633, 640, 657, 669, 737, 741, 745, 751, 772, 773, 776, 799, 801, 814, 828, 860, 979, 986, 994, 1011, 1021, 1051, 1065, 1085, 1086, 1097
- disturbance 127, 172, 416, 424, 433, 1011
- diurnal variations 079, 179, 180, 187, 245, 393, 435, 436
- diversity 947, 1177
- docks 549, 551
- dogfish 1211
- dormancy 982
- double-crested cormorant 570
- drainage 073, 706, 1201, 1232
- dredge spoil 010, 030, 351, 639, 729, 853, 854, 855, 856, 857, 858, 859, 884, 893, 918, 1144, 1195
- dredging 013, 019, 351, 811, 923, 947, 1000, 1144
- dulse 911
- dunes 505, 567, 569, 801, 1111

- dusty miller 910
- E**
- eastern mud snail 803, 804
- eastern oysters 805, 840
- ecological balance 054, 059
- ecological distribution 347
- ecological succession 052, 1228
- ecological zonation 264, 540
- ecology 019, 023, 069, 093, 100, 223, 238, 306, 434, 540, 553, 680, 681, 687, 688, 1228
- economic analysis 334, 362, 478, 813, 817, 951, 952, 955, 1152
- economic feasibility 038, 154, 362, 817
- economics 011, 050, 138, 154, 193, 219, 334, 335, 362, 386, 402, 478, 509, 512, 513, 522, 624, 625, 744, 777, 785, 841, 862, 863, 908, 914, 923, 1003, 1034, 1068, 1075, 1076, 1083, 1135, 1180
- ecosystem disturbance 030, 033, 054, 107
- ecosystems 328, 433, 712, 1087, 1099, 1110
- education 576, 716
- eel grass 076, 125, 192, 860, 983, 1008
- eggs 055, 116, 117, 119, 426, 438, 704, 856, 984, 988, 1021
- electron microscopy 082, 173
- electrophoresis 083, 263, 413, 770
- elevation 651
- elvers 661, 1101, 1103, 1132
- enclosures 195, 618
- energy budget 035, 111, 228
- energy flow 126, 724, 1073, 1173
- enteric bacteria 295
- enterococcus 1130, 1146
- entrainment 387, 458, 1009
- environment management 138, 147, 148, 232, 338, 354, 355, 358, 359, 361, 406, 425, 432, 463, 519, 542, 575, 580, 582, 628, 637, 730, 736, 771, 788, 790, 822, 875, 876, 935, 948, 1026, 1174, 1182
- environmental effects 015, 032, 058, 134, 154, 166, 197, 198, 394, 454, 535, 1032, 1132, 1147, 1153
- environmental factors 029, 140, 255, 259, 291, 326, 427, 586, 773, 799, 844, 1022
- environmental gradients 015, 033, 089, 107, 132, 164, 197, 198, 209, 269, 277, 304, 365, 480, 481, 482, 556, 585, 632
- environmental impact 010, 030, 193, 566, 634, 914, 954, 1078, 1160, 1187, 1194, 1221
- environmental legislation 148, 186, 338, 354, 355, 361, 385, 386, 402, 406, 432, 463, 566, 575, 616, 788, 863, 1031
- environmental monitoring 285, 354, 357, 358, 359, 361, 425, 432, 665, 760, 790, 853, 933, 1029, 1174

- enzyme activity 006, 120,
132, 159, 245, 770, 802, 840
- enzymes 390
- eolian transport 213, 290
- epifluorescence microscopy
415, 1086, 1129
- epizoites 100, 668, 776
- equilibrium 414
- equipment 135
- erosion 013, 348, 534, 567,
569, 587, 718, 753, 780, 793,
820, 927, 1162
- escapement 012
- estuaries 148, 234, 249, 295,
328, 403, 810, 1194, 1207
- estuarine dynamics 235, 251,
254, 296, 364, 409
- euglenids 427, 586
- eutrophication 066, 103, 192,
228, 256, 268, 316, 318, 319,
359, 392, 429, 430, 439, 536,
552, 671, 713, 730, 738, 764,
794, 872, 938, 1040, 1044, 1204
- excretion 020, 035, 113, 179,
187, 229, 447, 726, 990, 992,
993
- excretory products 035
- extinction coefficient 150
- eyes 804
- F**
- facies 352, 515
- fallout 275
- false albacore 509
- false angel wings 840
- fatty acids 015, 134, 163,
188, 197, 198, 282, 327, 480,
482, 677, 944, 946
- fecundity 117, 159, 280, 438,
527, 704, 807, 1070
- feeding behavior 017, 020,
078, 081, 098, 107, 109, 113,
130, 131, 189, 284, 345, 392,
449, 469, 479, 488, 489, 499,
711, 836, 838, 845, 849, 865,
898, 995, 1005, 1065, 1090,
1105, 1122, 1139
- feeding experiments 095, 113,
196, 282, 469
- feeding rates 035, 040, 044,
098, 109, 116, 122, 130, 191,
261, 279, 345, 805, 990
- ferries 1076
- fiction 171
- fiddler crabs 994, 1014
- field trips 299, 300, 301,
475
- filter feeders 323, 1104
- filtration 109, 279, 322,
431, 1207
- financing 050, 354, 355
- finfish fisheries 027, 1022
- finite element method 353,
581, 634, 648
- fish 016, 019, 023, 036, 037,
074, 103, 390, 764, 935, 940,
1024, 1228
- fish diseases 1131
- fish eggs 049, 502, 928, 940

- fish larvae 049, 349, 448,
834, 869, 928, 940, 990
- fish management 011, 048,
730, 752, 813, 815, 850, 852,
1031, 1070, 1126
- fish production 034, 553, 724
- fisheries 013, 016, 019, 336,
398, 403, 448, 459, 659, 665,
858, 862, 1145, 1165, 1168,
1208, 1211
- fisheries development 027,
048, 746, 811
- fishermen 369, 1138, 1168,
1170, 1208, 1223
- fishery economics 048, 606,
852, 955, 1171
- fishery industry 027, 048,
477, 606, 815, 817, 890, 908,
1069, 1138, 1141, 1171, 1192
- fishery industry legislation
027, 815, 850, 852, 1135
- fishery products 062, 389,
390
- fishery resources 294, 459,
1126, 1145
- fishery surveys 399, 458,
530, 532, 813, 1177, 1178
- fishing mortality 294, 525,
526
- fishing vessels 048, 606,
735, 817
- flagellates 151, 189, 190,
194, 205, 223, 243, 245, 246,
247, 268, 286, 291, 427, 586,
733, 766, 1004, 1015
- flood control 1147, 1218
- floods 019, 184, 706, 753,
935, 954
- fluke flounder 1211
- fluorescence 274, 500
- fluorescence microscopy 082,
099
- flushing time 251, 635, 648,
1023
- food availability 043, 052,
078, 112, 114, 224, 261, 438,
722, 738, 836, 849, 984
- food conversion 020, 035,
113, 122, 677, 1091
- food habits 098, 187, 199,
620, 669, 850, 995
- food webs 004, 023, 071, 191,
192, 268, 288, 440, 1089
- foraging 1139
- foraminiferans 056, 271, 1037
- fossil fuels 471
- fossils 299
- fouling organisms 123, 424,
683, 693
- fourbeard rockling 502, 1177
- fourspine sticklebacks 458
- fourspot flounder 036, 037,
049, 1177
- frequency domain analysis
059, 150, 200, 453
- fresh water 941, 1023
- freshwater marshes 454, 1228
- frilled anemone 366
- fungi 505, 799, 801, 892,
945, 1111, 1113

G

- gama grass 749
- gametogenesis 204, 579
- gas exchange 325
- gastropods 029, 054, 114, 134, 280, 489, 572, 614, 618, 685, 942, 1016
- gastrotrichs 255
- gear selectivity 012
- genetics 263
- geochemical cycles 275
- geochemistry 060, 106, 203, 215, 217, 221, 222, 231, 249, 252, 262, 293, 310, 379, 537, 600, 731, 782, 964, 978, 979, 981, 996
- geographic names 1222
- geologic formations 019
- geological maps 299, 300, 301, 475, 495, 515, 728, 818, 963, 964, 965, 968, 969, 970, 971, 974, 980, 981
- geological structures 299, 300, 301, 475, 495, 818, 971, 980, 1049, 1053, 1054, 1055
- geology 074, 076, 299, 300, 301, 351, 352, 464, 465, 466, 474, 475, 476, 495, 496, 497, 503, 504, 515, 537, 557, 558, 559, 574, 587, 602, 603, 644, 645, 646, 753, 1019, 1049, 1050, 1053, 1054, 1055, 1056, 1059, 1061, 1110, 1193, 1205, 1206, 1213
- geomorphology 559, 567, 728, 963, 964, 965, 968, 969, 970, 971, 974, 980, 981
- geophysics 464, 465, 466, 644
- germination 064
- giant sea scallops 508
- glaciers 504
- glasswort 906
- glossy ibis 1123, 1124
- golden heather 887
- goldenrod 892
- goosefish 036, 037, 049, 294
- government policy 147, 148, 355, 358, 406, 432
- granite 537, 558, 1019, 1061, 1213
- grass shrimp 281, 1010, 1173
- grasshoppers 1084
- gravity effects 140
- gray sea trout 1211
- grazing 044, 229, 287, 292, 311, 462, 618, 653, 668, 691, 695, 713, 726, 733, 1015, 1043, 1088
- great black-backed gulls 570, 1123, 1124
- great cormorants 308, 570
- great egrets 1123, 1124
- greater shearwater 570
- green crabs 828, 840
- green herons 1123, 1124
- green sea turtles 886
- groundsel tree 791, 894
- groundwater 405, 615, 719, 819, 888

- growth 107, 159, 269, 294,
 295, 392, 573, 585, 632, 640,
 674, 685, 689, 772, 773, 798,
 827, 842, 892, 898, 987, 990,
 992, 1013, 1027
- growth rates 045, 046, 058,
 063, 080, 095, 096, 100, 102,
 105, 111, 117, 118, 122, 135,
 136, 141, 151, 161, 167, 177,
 187, 190, 194, 195, 205, 208,
 223, 239, 263, 264, 278, 280,
 282, 287, 309, 317, 324, 434,
 524, 535, 614, 620, 656, 668,
 677, 692, 697, 703, 726, 776,
 797, 807, 811, 824, 846, 1007,
 1010, 1015, 1088, 1089
- growth stages 494, 779, 845,
 846
- grubby 036, 037
- grubby sculpin 940, 1177
- guidebook 299, 300, 301, 475
- Gulf Stream flounder 619
- H**
- habitat 007, 029, 172, 620,
 794, 850, 935, 1110, 1114
- habitat selection 172, 218,
 219, 772, 828, 837, 838, 847,
 1085
- haddock 049, 294, 619, 1151,
 1177, 1211
- hairy sea blite 906
- hake 049
- halacarids 056, 1037
- halibut 1211
- harbors 169, 628, 745, 862,
 900, 908, 912, 1143, 1176
- hard clams 081, 238, 239,
 317, 345, 431, 437, 805, 840,
 944, 946, 1211
- hard coral 366
- hard shell clams 362, 502,
 514, 535, 598, 686, 763, 934,
 1003, 1090
- harmonic analysis 353
- harpacticoids 056, 255, 271,
 411, 489, 1017, 1044, 1091
- hazard assessment 341
- hazardous materials 169, 341
- heavy metals 058, 269, 272,
 273, 276, 441, 521, 568, 667,
 729, 768, 769, 774, 775, 821,
 844, 854, 855, 856, 859, 893,
 1016, 1161
- heavy minerals 339
- herbivores 191
- hermit crabs 029, 670, 1010,
 1118
- herring gulls 570, 748, 836,
 1123, 1124
- heterotrophic organisms 151,
 415
- high-tide bush 894
- histology 097, 312, 846
- histopathology 091, 097, 107,
 173, 312, 473, 514, 516, 521,
 556, 768, 842, 843, 844, 856,
 989, 1108
- historical data 036, 037,
 062, 175, 232, 237, 471, 484,
 490, 531, 720, 728, 768, 1000
- history 074, 152, 169, 175,
 182, 183, 184, 232, 237, 874,
 917, 1066, 1069, 1076, 1119,
 1120, 1143, 1145, 1148, 1155,

- 1224, 1229, 1230, 1231, 1233
hogchoker 037, 049, 458, 940,
1177
holothurians 271
horned poppy 903
horse mussels 855, 856
horseshoe crabs 036, 037,
052, 707, 812
humic acids 188
hurricanes 019, 184, 296,
460, 753, 926, 1149
hybrids 063, 789
hydrodynamics 022, 235, 353,
377, 409, 459, 578, 581, 590,
600, 634, 635, 639, 648, 929,
934, 972, 1021, 1062
hydrographic data 073, 399
hydrography 019, 1081
hydrology 073, 719, 1082,
1110, 1201
hypsothetic curves 421
- I
ichthyoplankton 049, 285, 942
ichthyoplankton surveys 049,
399, 619
identification keys 641, 1092
image analysis 082, 099, 481,
869, 1129
immigrations 116, 738
indian settlements 1224,
1230, 1231
indicator species 004, 105,
269, 277, 378, 514, 663, 717,
768, 918
industrial wastes 402, 418,
584, 1214
infectious diseases 173, 312,
315
inhibitors 109, 773
inland silversides 479
inorganic nutrients 001, 028,
092, 506
interspecific relationships
017, 486, 812, 847
interstitial water 061, 227,
252
intertidal environment 029,
255, 264, 657, 658, 773, 1012
invertebrates 036, 037, 074,
493
ion exchange 065
Irish moss 911
irradiance 059, 066, 135,
141, 208, 446, 500, 694, 703,
991, 992, 993
islands 1227
isotopes 275
- J
Jamestown Bridge 1078
jellyfish 1118
jonah crabs 007, 172, 218,
678, 746, 812, 830, 1010, 1140
jurisdiction 244, 616, 1157
juveniles 177, 187, 400, 585,
700, 834

K

kelp 668, 911
Kemp's ridley turtles 886
kidneys 110, 514, 676
kingfish 036, 1177
kinorhynchs 056, 271, 489,
1037, 1044
knobbed whelk 811

L

laboratory culture 281, 807
lagoonal sedimentation 076
lakes 440, 504, 724
land development 492, 539,
567, 822, 900, 912, 935, 1022,
1032, 1033, 1219, 1221
land use 013, 019, 157, 267,
298, 316, 318, 337, 338, 347,
425, 456, 459, 463, 472, 485,
492, 522, 538, 539, 542, 543,
544, 545, 582, 587, 597, 611,
615, 616, 629, 715, 730, 742,
744, 822, 862, 863, 875, 900,
912, 923, 935, 952, 954, 1033,
1071, 1148, 1160, 1176, 1182,
1186, 1212, 1217, 1220, 1221,
1226
lanternfish 619
larvaceans 920
larvae 119, 140, 162, 168,
195, 289, 393, 394, 395, 400,
426, 459, 487, 532, 619, 633,
685, 831, 846, 1010, 1021, 1027
larval development 426
laver 911

least terns 1123, 1124
leatherback turtles 368, 886
legislation 021, 156, 1185
lethal limits 043, 091
life cycles 004, 064, 486,
801, 843, 1093, 1095
life history 004, 041, 058,
063, 107, 111, 622, 751, 765,
792, 807, 827, 839, 846, 881,
886, 892, 1006
ligands 165, 491
light 068, 324, 330, 640,
797, 961
light effects 080, 096, 099,
140, 162, 168, 180, 208, 246,
283, 287, 295, 650, 688, 703,
712, 798, 802, 987
light microscopy 082
lignin 231
lipids 282, 677
literature review 256, 320,
398, 428, 443, 470, 472, 479,
490, 496, 498, 524, 525, 527,
531, 532, 552, 553, 564, 565,
622, 626, 672, 708, 723, 925,
942
little blue herons 1123, 1124
little skate 036, 037, 052,
117, 509, 940, 1177
living resources 347, 359
lobster fisheries 007, 014,
027, 218, 525, 526, 528, 529,
530, 678, 813, 1069, 1135, 1140
lobsters 012, 036, 052, 389,
1140, 1179, 1211
loggerhead sea turtles 886

- long finned squid 037, 199, 207, 423, 488, 1178
 longhorn sculpin 036, 037, 052
 lorica 1107
 lumpfish 1177
 Lyme grass 919
- M**
- mackerel 370, 371, 509, 1211
 magnetite 471, 1050
 mammals 1228
 management 219, 238, 478, 622, 628, 1000, 1123, 1142, 1143, 1163, 1171, 1185
 mantis shrimp 025, 036, 037, 1183
 Manx shearwater 570
 marinas 512, 549, 551, 597, 745, 862, 1152, 1169, 1180
 marine aquaculture 038, 314
 marine environment 079
 marine industry 050, 1075
 marine mesocosms 001, 056, 061, 062, 066, 079, 092, 099, 101, 103, 105, 106, 121, 151, 179, 202, 210, 211, 252, 268, 271, 304, 310, 311, 319, 320, 322, 323, 325, 326, 331, 336, 392, 397, 407, 408, 411, 412, 415, 424, 428, 431, 433, 434, 435, 436, 437, 439, 446, 450, 451, 452, 455, 467, 470, 489, 499, 500, 501, 506, 510, 511, 523, 552, 561, 607, 608, 638, 653, 656, 666, 671, 672, 679, 683, 721, 723, 725, 738, 764, 805, 866, 867, 868, 872, 922, 945, 973, 978, 984, 997, 1001, 1016, 1018, 1020, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1086, 1091, 1125
 marine microcosms 028, 034, 057, 071, 084, 087, 126, 128, 137, 189, 191, 201, 212, 225, 228, 275, 286, 287, 292, 305, 332, 363, 410, 414, 420, 429, 430, 444, 445, 447, 448, 498, 507, 536, 604, 605, 643, 654, 655, 709, 712, 713, 743, 871, 895, 896, 943, 956, 998, 1017, 1073, 1105
 marsh grass 837, 838, 839, 960, 994, 1011, 1012, 1013, 1014, 1102
 mass spectroscopy 060
 mass transfer 051
 mass transport 235, 639
 mathematical models 032, 046, 114, 126, 149, 235, 321, 1062, 1082
 meadow voles 669, 839, 1127
 mechanoreceptors 078
 medusae 103, 942
 meiobenthos 224, 255, 489, 1037, 1044, 1091
 menhaden 036, 509, 764, 898, 940, 1141, 1177, 1211
 meroplankton 134
 metabolism 029, 034, 035, 040, 069, 087, 095, 111, 116, 124, 126, 187, 236, 243, 245, 246, 264, 269, 309, 329, 332, 412, 431, 436, 444, 445, 447, 462, 494, 508, 536, 540, 562, 688, 697, 797, 1010, 1073
 metals 002, 006, 026, 104,

- 139, 185, 201, 269, 276, 277,
337, 365, 398, 418, 426, 484,
506, 508, 584, 605, 615, 632,
634, 643, 663, 676, 763, 851,
864, 895, 934, 954, 957, 966,
967, 973, 998, 1020, 1024,
1025, 1038, 1041, 1047, 1214
- metamorphism 557, 1019, 1059
- metamorphosis 809
- meteorology 184, 958, 959,
1067
- methodology 009, 033, 118,
135, 176, 178, 190, 281, 285,
293, 295, 297, 349, 419, 462,
498, 501, 532, 561, 589, 598,
636, 672, 686, 696, 700, 709,
710, 739, 742, 762, 789, 793,
797, 810, 824, 835, 840, 842,
869, 873, 896, 962, 982, 997,
999, 1009, 1018, 1020, 1021,
1036, 1045, 1100, 1128, 1129
- microbial contamination 378
- microflagellates 082, 136,
167, 640
- microzooplankton 015, 197,
198, 462, 480, 482, 726, 1088,
1089
- migration 039, 052, 649, 661,
670, 748, 803, 832, 835, 1101,
1103, 1132, 1197
- military operations 019, 152,
182, 183
- military ports 152, 182
- mineral resources 339
- mineralization 292
- mineralogy 537, 646
- minerals 339, 1061
- mobility 310
- mobilization 275
- model studies 085, 111, 113,
115
- modeling 127, 133, 135, 141,
150, 172, 193, 200, 201, 213,
248, 254, 261, 270, 272, 273,
284, 285, 296, 298, 303, 319,
321, 322, 329, 337, 353, 377,
402, 405, 409, 418, 431, 435,
437, 446, 453, 472, 492, 511,
518, 520, 522, 524, 525, 526,
578, 581, 584, 590, 600, 609,
610, 626, 627, 633, 634, 635,
639, 640, 642, 648, 652, 655,
712, 725, 729, 741, 777, 778,
784, 785, 798, 813, 819, 821,
822, 835, 841, 851, 929, 934,
944, 946, 947, 952, 955, 958,
967, 972, 973, 978, 985, 990,
995, 997, 1006, 1009, 1015,
1021, 1022, 1023, 1062, 1070,
1082, 1184, 1207
- models 051, 057, 059, 066,
068, 211, 228
- molluscs 105, 236, 770, 840,
947, 1134
- monitoring 006, 736, 1099
- monosaccharides 079, 179
- moon snails 238, 806
- moonfish 1177
- morphology 029, 080, 089,
097, 131, 223, 257, 264, 312,
614, 656, 680, 681, 682, 705,
772, 789, 804, 808, 809, 829,
832, 848, 1004
- morphometry 089, 100, 423,
527
- mortality 007, 115, 117, 172,
173, 218, 219, 280, 283, 312,
315, 319, 387, 458, 473, 525,
550, 667, 711, 772, 794, 807,
810, 811, 850, 982, 1010, 1085,
1090, 1121, 1181

- mosquitos 306, 454
- motion 434
- movements 039, 093, 098, 100, 117, 119, 219, 426, 459, 487, 531, 803, 849, 870, 1121, 1122, 1132
- mud snails 711
- mudwort 747
- mugwort 910
- multiple use of resources 021
- multivariate analysis 028
- mummichog 037, 120, 509, 844, 940
- museums 1155
- mussel culture 314, 1064
- mussels 006, 020, 021, 130, 159, 236, 266, 269, 277, 279, 1064, 1085, 1090, 1099, 1100, 1137
- mysid shrimp 827
- mysids 349
- mystacocarids 255
- N**
- naked goby 881, 1065
- nannoplankton 109, 118, 136, 151, 205, 214, 223, 243, 415, 1086, 1088, 1125
- Narragansett Basin 300, 301, 379, 476, 496, 503, 515, 557, 558, 559, 645, 1019, 1049, 1053, 1055, 1059, 1193, 1205, 1206, 1213
- Narragansett Bay Project 555, 560, 1142
- Narrow River Preservation Association 588
- natural mortality 294, 525
- natural populations 063, 1088, 1089, 1125, 1129
- nauplii 283, 1088
- naval bases 152, 182, 1120
- Naval Training Station 1120
- Naval War College 1120
- navigation 714, 1081
- navigational aids 714, 1198, 1199
- nearshore dynamics 108
- nematodes 056, 255, 271, 489, 994, 1017, 1037, 1044
- nesting 1123, 1124, 1161
- nets 395
- new records 041, 257
- new species 082, 151, 223, 306, 656, 680, 1004
- new taxa 681, 1004
- newsletter 588, 665, 1208, 1212, 1215, 1216
- nitrification 429, 1156
- nitrogen cycle 008, 018, 075, 132, 136, 222, 243, 259, 564, 565
- nitrogen cycling 240, 343, 429, 430, 431, 517, 562, 589
- nitrogen fixation 589
- non point sources 047, 582, 637

- nori 911
- northern gannet 570
- northern kingfish 037, 049
- northern pipefish 037, 049, 458, 940
- northern puffer 037, 049
- northern searobin 036, 037, 940
- northern shrimp 294
- northern star coral 080, 802
- nutrient cycles 001, 008, 087, 124, 125, 176, 212, 245, 256, 259, 440, 448, 600, 872, 1039
- nutrient limitation 099, 798
- nutrients 002, 026, 066, 068, 094, 141, 164, 167, 192, 200, 212, 245, 254, 256, 259, 270, 276, 286, 291, 319, 320, 321, 330, 336, 363, 392, 398, 403, 408, 412, 429, 430, 434, 435, 437, 439, 441, 444, 445, 451, 452, 455, 507, 517, 536, 541, 552, 553, 554, 562, 563, 564, 565, 572, 583, 605, 652, 653, 656, 669, 673, 708, 724, 731, 738, 764, 775, 797, 800, 861, 892, 895, 932, 936, 938, 941, 985, 998, 1008, 1016, 1017, 1039, 1040, 1043, 1044, 1125, 1204
- nutrition 072, 095, 196, 282, 845, 865
- nutritive value 438
- O
- ocean dumping 010, 147, 884, 918
- ocean perch 1211
- ocean pout 036, 037, 052, 166, 294, 509, 792, 1177
- ocean quahogs 250, 591, 741, 759, 852, 858
- odors 1101
- offshore 1126, 1133, 1192
- offshore hake 619
- oil pollution 017, 054, 056, 181, 244, 262, 271, 278, 279, 280, 447, 499, 502, 542, 543, 867, 945, 1017, 1035, 1037
- oil removal 340
- oil spills 058, 244, 279, 290, 297, 337, 340, 502, 538, 542, 686, 698, 699, 743, 786, 796, 867, 945, 948, 949, 1182
- olfaction 131, 661
- oligochaetes 054, 114, 255, 997
- oogenesis 1106
- optical properties 958
- orach 906, 921
- organic compounds 042, 047, 139, 248, 320, 418, 483, 523, 584, 598, 615, 675, 763, 786, 851, 861, 918, 934, 975, 978, 996, 998, 1022, 1024, 1025, 1048, 1189
- organic matter 060, 087, 104, 112, 124, 227, 231, 254, 256, 322, 343, 344, 568, 708, 721, 724, 738, 775, 781, 977
- organometallic complexes 165, 209, 216, 221, 227, 252, 491
- organometallics 178
- orogeny 300, 971, 980

- ostracods 056, 255, 271, 489,
1017, 1037, 1044
- otter trawl 014
- outfalls 302
- ovaries 1106
- overfishing 528, 730
- overflow 233, 241, 302, 356,
463, 472, 485, 520, 542, 545,
615
- overwash 348
- oxidation 003, 104, 133, 710,
945
- oxygen consumption 020, 081,
991
- oxygenation 284
- oyster drills 238
- oyster industry 038
- oyster thief 911
- oyster toadfish 037, 833
- oysters 021, 038, 236, 930,
1211
- P**
- paleoecology 153, 404
- paleoenvironment 476
- Paleozoic 300
- parasites 089, 173, 843, 844
- parks 1080
- particulate flux 242, 450,
643, 666, 922, 943, 973, 1009
- particulate organic matter
094, 240, 329, 445, 666
- particulates 240, 275, 323,
541, 1090
- partition coefficients 248
- patchiness 078, 803
- pathogens 139, 173, 1131
- pathology 315, 609, 667
- PAWTOXIC 1082
- peat 814, 1013
- Pennsylvanian 301
- performance assessment 241,
395, 519
- periwinkles 236, 614, 618
- Permian 301
- permits 396
- pesticides 042, 1024, 1025,
1077
- petrology 537, 1061
- pH 133, 216, 568, 723
- phosphorus cycle 125, 259,
701
- phosphorus ratio 094
- photochemical reactions 057,
420
- photographs 174, 175
- photoperiod 055, 684, 694,
991, 992, 993
- photosynthesis 135, 246, 264,
324, 500, 687, 694, 987, 992,
993
- phototaxis 162, 168
- phototropism 162, 168

- physical properties 023, 296,
328, 626, 781, 783, 848, 1110
- physiology 006, 064, 069,
080, 093, 120, 122, 128, 159,
260, 263, 269, 324, 447, 600,
779, 809, 826, 833, 987, 989,
1002
- phytoplankton 008, 015, 023,
031, 032, 034, 044, 046, 059,
066, 068, 069, 078, 124, 135,
136, 167, 179, 189, 190, 191,
197, 198, 200, 205, 214, 243,
245, 246, 247, 256, 260, 265,
274, 286, 287, 291, 292, 321,
328, 332, 336, 363, 387, 403,
410, 412, 415, 427, 433, 435,
444, 446, 448, 451, 452, 453,
455, 468, 500, 506, 507, 536,
553, 562, 572, 586, 619, 630,
640, 650, 652, 653, 673, 679,
682, 695, 712, 713, 732, 766,
834, 860, 865, 867, 895, 936,
938, 983, 1001, 1016, 1036,
1044, 1117, 1133, 1175, 1200
- phytoplankton culture 136,
180, 190
- picoplankton 1086
- pigeons 308
- pigments 696, 1103
- pipelines 302
- piping plover 307
- placers 339
- plankton 019, 056, 163, 767,
869, 935, 944
- planning 011, 030, 350, 396,
926, 948, 1033, 1034, 1071,
1080, 1083, 1182, 1217, 1220,
1221, 1226
- plant populations 1084, 1109,
1111
- planthoppers 1084
- plants 231, 747, 749, 754,
755, 756, 757, 758, 761, 787,
791, 795, 878, 879, 880, 883,
885, 887, 889, 891, 894, 899,
901, 903, 904, 906, 907, 910,
911, 916, 919, 921, 935, 1011,
1013, 1084, 1092, 1109, 1111,
1112, 1228
- plastic debris 147
- plumose anemone 488
- poison ivy 878
- policies 233, 234, 361, 385,
396, 935, 1026, 1185
- pollen 601
- pollock 049, 294, 1151, 1211
- pollutants 026, 272, 273,
284, 547, 626, 851, 1179, 1184
- pollution 074, 104, 249, 267,
298, 414, 895, 923, 959, 1182
- pollution control 193, 232,
233, 234, 241, 341, 443, 698,
1176
- pollution data 244, 360
- pollution detection 360
- pollution dispersion 296,
1062
- pollution effects 018, 043,
131, 185, 278, 362, 428, 667,
671, 672, 673, 683, 731, 1016,
1130, 1145, 1156
- pollution legislation 185,
193
- pollution monitoring 418,
584, 1099, 1174
- pollution surveys 047, 062,
485, 502, 664
- polychaetes 054, 056, 103,

- 104, 114, 126, 224, 284, 323,
439, 449, 489, 864, 942, 945,
947, 997, 1016, 1017, 1044,
1052, 1073, 1105
- polysaccharides 079, 118, 179
- population characteristics
264, 622, 839, 1052, 1076,
1086, 1121
- population control 031
- population density 130, 274,
1122
- population dynamics 024, 031,
064, 103, 117, 136, 141, 151,
167, 219, 247, 271, 286, 321,
411, 427, 455, 586, 600, 612,
652, 671, 713, 732, 738, 769,
772, 774, 775, 794, 811, 816,
857, 859, 1006, 1085, 1087,
1093
- population genetics 024, 070,
263
- population trends 1123
- pore water 121, 164, 270,
276, 642, 731, 966, 977
- porgy 1211
- ports 048, 659, 1000, 1032,
1063, 1069
- potential yield 294, 528
- power plants 387, 399, 458,
940, 1030
- predation 081, 085, 099, 103,
134, 151, 172, 173, 189, 191,
218, 224, 229, 261, 308, 321,
345, 479, 620, 649, 653, 713,
738, 772, 994, 1006, 1007,
1015, 1125
- predators 238
- preservation 016, 390, 997
- pressure effects 140
- prey selection 081, 845
- primary production 034, 079,
124, 136, 167, 268, 398, 403,
448, 451, 500, 511, 552, 553,
619, 668, 673, 679, 708, 721,
872, 938, 941, 1014, 1017,
1018, 1039, 1040, 1043, 1044,
1072, 1096, 1175
- primary productivity 001,
005, 008, 028, 046, 066, 090,
105, 412, 435, 444, 446, 674,
738, 776, 1115
- procedures 030, 577
- prokaryotes 312, 1129
- prosobranch gastropods 772
- proteins 180, 282, 677, 928
- protozoa 268, 1088
- public access 342, 1028,
1180, 1226
- public health 139, 220, 378,
598, 1003
- public opinions 425, 432,
533, 548
- puffer 036, 940, 1177
- purple sandpiper 748
- Q
- quahog industry 013, 170,
238, 369, 1003
- quahogs 042, 107, 110, 122,
143, 170, 236, 238, 239, 266,
277, 290, 317, 362, 459, 473,
514, 516, 535, 556, 591, 732,
1003
- R

- radiated shanny 049
- radioactive tracers 067, 106, 137, 201, 202, 211, 225, 240, 253, 275, 310, 322, 332, 352, 397, 420, 437, 449, 462, 489, 510, 589, 604, 642, 643, 655, 717, 723, 725, 729, 840, 866, 922, 956, 964, 967, 973, 978, 1041, 1042, 1045, 1091
- radioisotopes 242, 253, 275, 311, 412, 431, 435, 922, 943, 1100
- radionuclide kinetics 056, 253, 973
- rain 230, 298, 337, 442
- rainbow smelt 037
- rainbow trout 677
- rainfall 267, 543, 544, 545, 637, 715, 1209, 1210
- rare species 307
- ratios 254
- razorbill 570
- recreation 019, 023, 074, 142, 144, 145, 171, 183, 303, 307, 335, 336, 370, 371, 372, 373, 380, 381, 382, 383, 384, 478, 509, 549, 551, 624, 625, 659, 744, 777, 815, 841, 912, 1026, 1031, 1057, 1066, 1076, 1151, 1180
- recreational waters 142, 144, 378
- recruitment 294, 308, 526, 1085
- red hake 052, 131, 166, 294, 389, 792, 1177, 1211
- red-jointed fiddler crab 550
- red squirrel hake 036, 037
- red-throated loon 570
- red tides 194, 247, 417, 691, 732, 1172
- red-winged blackbirds 838
- redfish 294
- redox reactions 088, 723
- regeneration 804
- regional planning 350, 385, 432
- reinforced concrete 422
- remineralization 008, 018, 051, 057, 060, 067, 075, 087, 094, 124, 176, 192, 240, 256, 330, 431, 445, 562, 936, 977
- remote sensing 033, 274, 291, 348, 587, 597, 696, 734, 742, 818
- reproduction 055, 072, 107, 116, 117, 119, 128, 204, 280, 401, 439, 454, 455, 459, 649, 807, 827, 846, 856, 1004, 1087, 1090, 1161
- reproductive behavior 207, 847
- reproductive cycle 289, 423, 527, 579, 704, 846, 1002, 1064
- research programs 050, 258, 269, 354, 361, 374, 375, 376, 467, 600, 736, 788, 950, 1029
- residence time 211, 212, 225, 230, 235, 326, 750, 978, 1017, 1023, 1048
- respiration 006, 034, 040, 095, 122, 124, 135, 187, 260, 322, 329, 412, 444, 447, 451, 536, 679, 687, 726, 987, 991, 992, 1018, 1040, 1043
- resting eggs 055, 116

- resting spores 064, 260, 656,
705, 737, 1093
- resuspended sediments 127,
242
- rhizomes 1102
- ribbed mussels 686, 1085
- rickettsia 173, 312, 315
- risks 341
- rivers 047, 440, 861
- rock crabs 007, 052, 494,
622, 678, 746, 792, 828, 830,
1010, 1140
- rock doves 308
- rock eel 049
- rockweed 911
- roots 1102
- roseate terns 1123, 1124
- rotifers 255, 942, 1088
- runoff 290, 316, 318, 365,
418, 463, 472, 484, 485, 584,
615
- Russian thistle 906
- S**
- safety regulations 169
- saline water-freshwater
interface 405
- salinity 235, 251, 265, 288,
324, 541, 635, 1006
- salinity effects 223, 689,
806, 807, 1065
- salinity gradients 251
- salt grass 891
- salt hay grass 882, 891, 904,
919
- salt-marsh gerardia 903
- salt marshes 038, 079, 179,
217, 295, 398, 436, 454, 484,
517, 540, 550, 568, 573, 601,
647, 669, 689, 729, 749, 755,
758, 761, 810, 837, 838, 839,
844, 847, 882, 893, 907, 994,
1011, 1013, 1014, 1018, 1072,
1084, 1085, 1092, 1102, 1112,
1173
- salt ponds 013, 016, 038,
076, 098, 316, 318, 357, 487,
522, 554, 665, 755, 760, 790,
794, 822, 835, 838, 905, 952,
1021, 1150
- saltmarsh bulrush 907
- saltmarsh fleabane 904
- saltmarsh pink 795
- saltmarsh sand spurrey 756
- saltwort 906
- sampling 285, 359, 395
- sanctuaries 566
- sand 1162, 1166
- sand dollars 1118
- sand eels 619
- sand flounder 940, 1177
- sand lance 049
- sand ripples 077
- sand waves 077
- sandbur 787
- sandshark 509

- sandspur 787
- Save the Bay 1174, 1212
- scallops 036, 1211
- schooling behavior 086, 649
- Scotch lovage 880
- SCUBA diving 380, 381, 382, 383, 384
- sculpin 049, 166
- scup 036, 037, 049, 052, 166, 187, 294, 370, 371, 486, 509, 792, 858, 940, 1177, 1178, 1211
- sea anemones 840
- sea bass 1211
- sea blite 906
- sea chickweed 916
- sea cucumber 488, 740
- sea grass 563, 573, 583, 599, 669, 674, 800
- sea herring 1177, 1211
- sea lavender 882
- sea nettle 134
- sea purslane 916
- sea raven 036, 037
- sea rocket 901
- sea scallops 115, 312, 315, 502, 676, 739, 915, 955, 1108
- sea snails 049
- sea squirts 1167
- sea stars 081, 345, 849, 1122
- sea surface 1190
- sea turtles 886
- sea urchins 679, 840
- seaboard goby 041, 049, 458, 881, 1065
- seafloor mapping 077, 574
- seafood 266, 389, 390, 598, 1208
- searobin 049
- seaside goldenrod 899
- seaside plantain 885
- seaside resorts 1066, 1233
- seaside sparrows 837
- seasonal variations 004, 015, 017, 025, 031, 034, 046, 052, 057, 063, 067, 070, 071, 080, 081, 093, 098, 103, 107, 112, 116, 121, 128, 129, 130, 132, 151, 163, 164, 166, 187, 189, 197, 198, 201, 202, 212, 214, 220, 224, 228, 229, 242, 243, 247, 257, 259, 263, 287, 288, 289, 295, 309, 321, 326, 363, 393, 394, 407, 429, 435, 447, 453, 461, 468, 479, 482, 483, 508, 530, 535, 562, 604, 606, 610, 612, 618, 620, 623, 630, 633, 649, 650, 655, 657, 658, 668, 669, 670, 673, 683, 689, 693, 713, 721, 748, 772, 773, 786, 799, 803, 820, 846, 851, 857, 859, 930, 940, 941, 943, 946, 956, 984, 987, 988, 1006, 1086, 1087, 1093, 1094, 1103, 1114, 1116, 1131, 1154, 1178, 1181, 1187
- seaweeds 641, 883, 1096, 1097, 1114, 1115, 1118
- secondary production 046, 403, 552, 722, 941, 984
- sediment properties 030, 033, 636, 1159

- sediment resuspension 202, 967
- sediment structures 025, 339, 981
- sediment transport 076, 348, 351, 981, 1056
- sediment-water interface 051, 061, 067, 071, 087, 092, 094, 125, 127, 137, 176, 212, 225, 228, 240, 256, 259, 270, 305, 310, 330, 332, 470, 506, 642, 655, 721, 723, 872, 966, 975, 1005
- sedimentary environments 076, 226, 262, 351, 352
- sedimentation 013, 016, 097, 213, 226, 242, 248, 272, 273, 275, 292, 322, 323, 326, 351, 352, 410, 420, 431, 450, 471, 476, 523, 666, 718, 725, 730, 743, 753, 866, 867, 871, 929, 945, 967, 978, 981, 989, 1001, 1012, 1016, 1035, 1046, 1048, 1207
- sediments 002, 009, 018, 060, 062, 075, 106, 121, 127, 139, 150, 164, 176, 178, 181, 188, 192, 201, 202, 203, 206, 210, 213, 215, 217, 224, 227, 228, 231, 240, 248, 249, 252, 253, 259, 262, 270, 271, 272, 273, 276, 284, 290, 292, 304, 305, 310, 329, 332, 336, 343, 344, 352, 365, 398, 430, 449, 457, 471, 473, 484, 490, 493, 561, 567, 569, 589, 599, 605, 608, 610, 636, 664, 675, 709, 710, 721, 724, 725, 729, 731, 737, 741, 763, 768, 769, 774, 775, 778, 780, 781, 783, 844, 854, 861, 864, 866, 873, 893, 895, 896, 918, 922, 925, 934, 943, 966, 977, 979, 994, 996, 998, 999, 1009, 1016, 1020, 1025, 1035, 1037, 1041, 1042, 1046, 1047, 1050, 1091, 1098, 1105, 1128, 1133, 1134, 1183, 1195, 1196
- seed production 1084
- seismic reflection profiling 339
- seismic studies 464, 465, 466, 504, 574, 602, 644, 963, 968, 969, 974
- self purification 675
- sense organs 829
- seston 067, 112, 936
- settling rate 202, 235
- sewage 302, 356, 392, 506, 730, 810
- sewage effluents 018, 075, 092, 104, 154, 213, 221, 233, 290, 313, 331, 337, 365, 378, 386, 408, 418, 439, 490, 533, 538, 541, 542, 546, 548, 580, 584, 679, 737, 763, 764, 842, 934, 941, 950, 954, 985, 998, 999, 1016, 1030, 1040, 1043
- sewage sludge 349
- sewage treatment 154, 156, 193, 233, 241, 302, 316, 318, 350, 356, 386, 443, 472, 483, 484, 485, 519, 520, 533, 548, 1185
- sex ratio 219, 1121
- sexual maturity 294, 423, 527, 1106
- shad 049, 509
- sharks 1211
- sharp-tailed sparrows 837
- shear zones 503, 1009
- sheepshead minnow 063, 349
- shellfish 021, 390, 935, 1172, 1211

- shellfish fisheries 027, 155, 238, 335, 362, 580, 591, 741, 1003, 1022
- shellfish poisoning 220
- shells 029, 105, 239, 317, 535, 614, 917, 1118
- sheltered habitats 172, 621, 684, 746, 830
- ship design 169
- shipping 019, 023, 169, 1063, 1155
- shipwrecks 380, 381, 383, 384, 720, 735, 1224
- shore knotweed 755
- shoreline 1056, 1110, 1111, 1202
- shrimp 103, 130
- side scan sonar 077, 226
- silver hake 036, 037, 049, 052, 166, 294, 509, 619, 792, 940, 1151, 1177
- silversides 036, 349, 509, 940, 1177
- simulation 321, 699, 1199
- simulation models 233, 453, 1135
- site surveys 341
- size distribution 115, 161, 214, 218, 229, 243, 481, 530, 704, 741, 767, 832
- skates 294
- slipper shells 849
- smelt 940, 1177
- smooth cordgrass 882, 891, 893, 986
- smooth dogfish 036, 037, 1177
- smooth flounder 789
- snailfish 619
- snails 1118
- snowy egrets 1123, 1124
- social aspects 624, 625, 784, 815, 875, 890, 914, 1138
- soft clams 1211
- soft coral 366
- soft-shell clams 058, 173, 236, 315, 459, 473, 516, 591, 609, 667, 768, 848, 1134, 1181
- soils 568, 631
- solar radiation 367, 961, 1125
- sonar 150, 636, 778, 835
- sooty shearwater 570
- sound attenuation 150
- southern wormwood 910
- spatial variations 132, 151, 164, 199, 327, 393, 480, 481, 482, 490, 569, 606, 633, 938, 939, 941, 942, 946, 979, 996
- spawning 049, 119, 440, 619, 620, 704, 794, 846, 1021, 1064
- spearscale 921
- speciation 003, 053, 061, 065, 084, 090, 137, 604
- species 592, 641, 1112, 1113, 1114, 1115, 1116, 1117
- species diversity 054, 274, 414, 416, 570, 658, 683, 773

- spectrochemical analysis 133, 696, 796
- spider crabs 036, 037, 052, 678
- spike grass 891
- spiny dogfish 036, 037, 294, 509
- spirorbis polychaetes 772
- spoil disposal 010, 030, 853, 854, 855, 856, 857, 858, 859
- sponges 1118
- spores 505, 801, 892, 999, 1093, 1095, 1128, 1203
- sporogenesis 064
- sport fisheries 1151
- sport fishing 171, 370, 371, 372, 373, 478, 509, 815, 841, 908, 1031, 1191
- sport fishing statistics 370, 371, 372, 373
- spotted hake 036, 037
- squid 036, 052, 166, 294, 509, 1211
- squirrel hake 940
- stability 054, 059, 126, 163, 172, 321, 327, 414, 416, 480, 482, 713, 946
- staining 070, 982
- standing crop 044, 239, 317, 363, 387, 571, 668, 776
- starfish 036, 037, 052, 238, 792, 1118
- starvation 168
- statistical analysis 028, 139, 285
- statistical tables 1126
- steel 422
- stock assessment 083, 413, 850, 852
- stock identification 083, 413, 909
- stocks 294, 362
- stomach content 113, 995
- storm runoff 267, 298, 546, 637, 662, 715
- storms 016, 019, 460, 569, 605, 753, 780, 820, 926, 935, 1149
- stratification 1036, 1178
- stratigraphy 023, 299, 474, 495, 497, 601, 728, 970, 974, 981, 1059
- streamflow 073, 861
- striped anchovy 036, 037, 049
- striped bass 083, 370, 371, 413, 509, 664, 815, 909, 1031, 1070, 1106, 1177, 1211
- striped killifish 037, 940
- striped mummuchaug 1177
- striped searobin 036, 037, 940, 1177
- structural geology 299, 300, 301, 475, 495, 497, 503
- sublethal effects 091, 280, 283
- succession 033, 068, 163, 166, 189, 286, 599, 650, 946, 1087

- sulfur sponge 366, 488
- summer cypress 754, 906
- summer flounder 036, 037, 049, 294, 370, 371, 509, 619, 940, 990, 1177
- summer squid 1177
- sunshine 1209, 1210
- surf clams 591, 852, 1211
- surface microlayer 230, 293, 638
- surveillance and enforcement 185, 186
- surveys 238, 303, 378, 425, 460, 509, 533, 548, 567, 580, 591, 593, 594, 595, 596, 597, 631, 784, 815, 841, 923, 1149, 1179
- survival 195, 295, 573, 689
- suspended particulate matter 112, 242, 248, 267, 298, 323, 443, 472, 544, 547, 605, 608, 637, 639, 662, 709, 715, 725, 763, 821, 1001, 1035, 1046
- swans 1163, 1164
- sweet grass 758, 761
- sweet hay 761
- sweet rocket 901
- swim bladder 809
- swimming 040, 078, 223, 283, 691, 695, 762, 831, 898, 1007
- switchgrass 879
- swordfish 1211, 1223
- symbiosis 072, 080, 111, 196, 613, 687, 688, 802, 989, 1014
- T
- tactile functions 346
- tagging 039, 098, 100, 117, 119, 219, 368, 426, 487, 531
- tall reed 904
- tall wormwood 757
- tarballs 1196
- tardigrades 255
- tarragon 910
- taste 131, 845
- tautog 007, 036, 037, 049, 131, 172, 218, 370, 371, 458, 488, 509, 940, 1177
- taxonomy 151, 257, 681, 789
- temperature 059, 066, 068, 085, 265, 288, 324, 330, 493, 721, 988, 991, 992, 993, 1184, 1209, 1210
- temperature effects 045, 046, 063, 080, 141, 166, 180, 208, 214, 223, 246, 261, 283, 284, 289, 295, 494, 634, 650, 688, 689, 694, 703, 770, 798, 807, 846, 1010, 1027, 1183
- temporal variations 086, 199, 569, 780, 938, 939, 942
- terrell grass 919
- test organisms 349
- thermal plumes 1184
- thick-billed murre 570
- threespine sticklebacks 037, 049, 458, 847, 940
- ticks 1127
- tidal constituents 149, 353

- tidal currents 038, 333, 518, 660, 1058
- tidal deposits 348
- tidal dynamics 353, 409
- tidal inlets 1150
- tides 074, 296, 333, 364, 405, 518, 578, 581, 590, 627, 633, 640, 648, 660, 718, 724, 819, 986, 1102
- tilefish 294, 1211
- time series analysis 028, 066, 200, 453, 511, 1022
- tintinnids 069, 194, 214, 288, 726, 942, 1088, 1089, 1107
- tissues 110
- toadfish 036, 509, 940, 1177
- tomcod 509, 940
- topography 074, 619
- tourism 624, 625, 777, 914
- toxicants 269, 359
- toxicity 194, 220, 278, 279, 280, 283, 319, 349, 392, 408, 455, 463, 508, 550, 663, 664, 676, 683, 769, 774, 775, 823, 834, 1104, 1108, 1131, 1172
- toxicity tests 043, 091, 220, 278, 279, 280, 283, 349, 679, 827
- toxicity tolerance 043, 054, 550, 827
- toxicology 786, 1003
- trace elements 137, 201, 227, 310, 320, 471, 604, 723, 861, 959
- trace metals 164, 213, 225, 250, 272, 273, 277, 298, 407, 457, 485, 489, 491, 507, 514, 535, 538, 541, 542, 544, 546, 547, 577, 637, 666, 702, 708, 709, 717, 731, 922, 931, 943, 956, 959, 985, 1003, 1007, 1045, 1100, 1134
- tracers 188
- transition elements 084
- transplantation 159, 632, 768, 1134
- transport 206, 520, 655, 737, 743, 922, 1035, 1038, 1041, 1042, 1184, 1195
- transverse bars 108
- trap fishing 012, 707, 811, 812
- trematodes 089, 843
- trigger fish 509
- true poppy 903
- tumors 1134, 1181
- tuna 1211
- tunicates 1167
- turbellarians 056, 255, 489, 997
- turbulence 022, 287, 297, 640, 654
- turreted bryozoan 488
- twospine sticklebacks 847
- U
- U.S. Army Corps of Engineers 1218
- ultraplankton 136, 167, 190, 205, 243

- underwater photography 033, 740, 734, 750, 797, 1056, 1062, 1081
- underwater television 033, water mixing 444, 1036
- urban runoff 267, 298, 337, 538, 542, 543, 544, 545, 546, 715, 897, 934, 954, water pollution 006, 013, 019, 020, 023, 027, 058, 120, 122, 128, 138, 139, 147, 156, 159, 185, 213, 231, 232, 233, 234, 235, 241, 248, 266, 267, 277, 279, 280, 298, 302, 316, 318, 335, 336, 337, 338, 350, 356, 359, 360, 361, 362, 386, 428, 432, 463, 473, 485, 514, 520, 521, 544, 545, 556, 607, 609, 610, 615, 632, 730, 842, 944, 948, 1020, 1029, 1185, 1212
- urbanization 016, 659, 730, 923, 954
- V**
- vanilla grass 758
- vertical distribution 049, 140, 252, 262, 393, 489, 996, water pollution sources 047, 244, 250, 290, 298, 443, 472, 485, 490, 538, 542, 580, 582, 615, 637, 786, 876, 897, 918, 934, 935, 985, 998, 1030
- vibratory corers 339
- videotape recordings 086, 162, 168, water quality 016, 026, 154, 185, 241, 277, 296, 316, 318, 350, 359, 361, 377, 378, 386, 418, 432, 463, 520, 522, 533, 541, 545, 548, 580, 584, 593, 594, 595, 596, 597, 611, 615, 634, 637, 665, 719, 763, 784, 794, 821, 851, 861, 876, 912, 934, 935, 950, 954, 998, 1022, 1030, 1082, 1099, 1133, 1156, 1176, 1186, 1212, 1214, 1216
- visual stimuli 131, 825
- volatile compounds 331, 1189
- volatiles 483, 523, 854, 975, 978, 998, 1048
- volcanism 230
- voltammetry 065
- volume 421
- W**
- waste disposal 147, 185, 533, 548, 731, 871, 1039, 1060, 1130, water resources 706, 719, 876, 877, 1034, 1076, 1220
- wastewater aquaculture 391, water samples 047
- wastewater treatment 156, 388, 391, 402, 443, 463, 472, 546, 662, 784, 876, 1060, 1146, 1185, water temperature 036, 037, 052, 055, 387, 734
- water circulation 049, 138, 149, 296, 336, 364, 377, 578, 581, 619, 627, 633, 635, 648, water use 425
- waterfront 1071, 1083
- watersheds 1147
- waves 022, 819, 1190
- waxen silverside 620

- weakfish 036, 037, 049, 370,
371, 509, 940, 1177
- weather 1076, 1209, 1210
- weather forecasting 1067
- wetlands 454, 592, 615, 708,
1092, 1182, 1221
- whelk 238
- white footed mice 1127
- white hake 036, 037, 294,
509, 940, 1211
- white perch 037, 509, 940,
1177
- white sharks 751
- whiting 389, 1211
- wild rye 919
- Wilson's storm-petrel 570
- wind power 1153
- wind stress 149, 251
- wind waves 022, 297
- windowpane flounder 049, 052,
294, 619, 1179
- windowpane sand flounder 036,
037
- winds 022, 074, 442, 572,
578, 581, 633, 724, 1153, 1209,
1210
- winkles 089
- winter flounder 036, 037,
049, 052, 082, 085, 098, 113,
119, 166, 195, 294, 370, 371,
426, 458, 459, 486, 487, 509,
521, 585, 789, 792, 834, 835,
842, 869, 928, 940, 995, 1021,
1027, 1131, 1177, 1178, 1179
- winter squid 1177
- Wisconsinan 504
- witch flounder 049, 294
- wolffish 1211
- worms 1118
- wormwood 910
- woundwort 889
- Y
- yachting 142, 744
- yellow-crowned night herons
1123
- yellow rocket 901
- yellowtail flounder 049, 294,
502, 619, 846, 1179, 1211
- yield 526
- Z
- zooplankton 004, 008, 015,
028, 031, 035, 043, 044, 046,
059, 079, 103, 134, 179, 191,
197, 198, 200, 229, 247, 256,
261, 286, 287, 311, 321, 327,
332, 336, 403, 408, 427, 433,
444, 447, 448, 451, 452, 453,
455, 480, 481, 482, 502, 506,
507, 536, 562, 572, 586, 619,
620, 652, 653, 655, 673, 695,
713, 722, 762, 764, 842, 867,
942, 943, 944, 945, 946, 988,
1016, 1017, 1036, 1043
- zooxanthellae 072, 080, 196,
613, 687, 688, 802, 989

Geographic Index

A

Allen Harbor 058, 516, 609,
667, 768, 844, 848, 1134, 1152,
1181

Annaquatucket River 440, 832,
1101, 1103

Apponaug Cove 408, 1218

Aquidneck Island 299, 303,
367, 442, 495, 914, 1055, 1056

Arcadia 719

Ashaway 465, 475

Ashton 418, 584, 874

Attleboro 337, 1230, 1231

B

Bailey Beach 456, 1124

Barrington 184, 238, 378,
454, 568, 573, 614, 647, 754,
758, 837, 838, 949, 994, 1011,
1013, 1014, 1084, 1085, 1102,
1231

Barrington River 174, 337,
542, 550, 647

Beaver River 719

Beaverhead 301

Beavertail 815

Beavertail Point 174, 182,
299, 380, 384

Bills Island 1123, 1124

Bissel Cove 079, 118, 120,
179, 282, 295, 328, 436, 585,
685, 708, 711, 810, 1018, 1173

Blackstone River 053, 154,
221, 241, 337, 418, 468, 541,
543, 584, 615, 706, 719, 874,
875, 876, 939, 941, 949, 951,
976, 998, 1030, 1082, 1147

Block Island 174, 184, 249,
384, 456, 464, 465, 480, 481,
504, 508, 531, 616, 624, 717,
720, 741, 814, 930, 1025, 1123,
1124, 1133, 1144, 1210, 1223,
1225

Block Island Sound 029, 037,
116, 117, 173, 197, 198, 212,
250, 309, 315, 327, 330, 333,
339, 351, 352, 353, 365, 383,
384, 389, 393, 394, 395, 398,
405, 417, 456, 459, 460, 464,
468, 477, 479, 480, 481, 482,
487, 492, 493, 502, 504, 508,
514, 517, 518, 521, 522, 530,
532, 534, 553, 554, 563, 567,
569, 570, 571, 587, 590, 599,
602, 612, 615, 616, 617, 620,
623, 627, 630, 633, 635, 640,
644, 648, 651, 657, 658, 664,
665, 667, 674, 675, 676, 684,
686, 704, 714, 717, 718, 719,
720, 727, 730, 734, 735, 751,
753, 757, 758, 759, 768, 774,
775, 777, 780, 786, 790, 799,
800, 801, 803, 804, 805, 806,
807, 808, 814, 815, 817, 820,
822, 823, 827, 828, 831, 833,
835, 842, 843, 844, 846, 847,
850, 851, 861, 888, 905, 911,
924, 929, 930, 933, 937, 941,
942, 944, 946, 949, 952, 963,
966, 968, 969, 972, 976, 995,
1006, 1007, 1008, 1021, 1025,
1033, 1067, 1108, 1121, 1126,
1157, 1178, 1179

Bluff Hill Cove 799

Bold Point 912

Bonnet Point 301, 678, 720,
782

- Bonnet Shores 301, 514
 Bonnet Shores Beach 456, 783
 Branch River 719, 861
 Brayton Point 049, 1184
 Brenton Cove 123
 Brenton Point 184, 299, 384, 720
 Brenton Reef 120, 164, 853, 854, 855, 856, 857, 858, 859, 1133
 Bridgetown 255
 Briggs Beach 456, 1124
 Bristol 337, 342, 496, 614, 616, 618, 720, 754, 862, 949, 951, 1012, 1083
 Bristol Harbor 149, 296, 342, 421, 496, 593, 594, 595, 596, 614, 616, 720, 737, 754, 862, 939, 949, 951, 1144, 1218
 Bucklin 053, 221
 Bucklin Point 233, 241, 484
 Bullock Cove 174, 514, 1144
 Bullock Point 215, 996
 Bullocks Point Cove 1218
 Buttonwoods 378

C
 Camp Varnum 1094
 Card Pond 076
 Carolina 465
 Castle Hill 381, 384
 Castle Hill Cove 745
 Centerdale 719
 Central Falls 233, 337, 463, 874
 Champlin Cove 799
 Charlestown 013, 096, 098, 100, 111, 125, 316, 318, 342, 348, 393, 460, 514, 522, 532, 635, 684, 734, 770, 771, 790, 815, 822, 827, 905, 929, 952, 995, 1033, 1121, 1153, 1160, 1224
 Charlestown Beach 184, 352, 534, 567, 569, 651, 753, 780, 793, 820, 1149, 1162
 Charlestown Breachway 635, 648, 651, 1162
 Charlestown Pond 328, 553, 554, 941, 1224
 Chipuxet River 719
 Coasters Harbor 1218
 Coasters Harbor Island 668, 776, 849, 1120
 Coddington Cove 048
 Coddington Point 930
 Conanicut Island 051, 060, 087, 101, 113, 164, 182, 203, 207, 210, 213, 217, 275, 276, 279, 284, 299, 300, 345, 380, 411, 445, 449, 468, 495, 496, 574, 589, 608, 663, 688, 721, 738, 802, 873, 960, 967, 982, 997, 1024, 1025, 1056, 1119
 Conanicut Point 067, 159, 270, 1048
 Conimicut 942
 Conimicut Point 127, 213, 238, 239, 248, 249, 296, 317, 331, 514, 574, 585, 793, 996, 998, 1016, 1048

- Cormorant Point 300
Cormorant Rock 1124
Cowesett 597
Cranston 092, 337, 443, 463,
485, 496, 506, 538, 542, 543,
544, 637, 719, 763, 861, 934
Crescent Beach 456
Cumberland 874
- D**
Davisville 037, 048, 182,
699, 783, 949, 1032, 1192
Despair Island 1124
The Dumplings 080, 384, 613,
1123, 1124
Dutch Island 037, 093, 159,
182, 213, 574, 598, 811, 989,
1053
Dutch Island Harbor 107, 217,
849
Dyer Island 514, 1024, 1025,
1123, 1124, 1127
- E**
East Beach 108, 352, 393,
405, 456, 534, 651, 819, 820,
888, 1149, 1162
East Beach Two 651
East Greenwich 058, 170, 337,
342, 473, 616, 679, 786, 949
East Greenwich Cove 1130,
1134
East Island 219
East Passage 034, 049, 113,
123
East Providence 241, 249,
337, 342, 378, 443, 496, 541,
616, 912, 939, 1030, 1230, 1231
Easton Point 301
Echo Lake 454
- F**
Fall River 337, 616
Fall River Harbor 1218
Fields Point 053, 104, 132,
221, 233, 241, 290, 331, 337,
365, 377, 388, 443, 468, 474,
483, 484, 485, 490, 541, 542,
546, 996, 998, 1016, 1030, 1048
Fishers Island 966
Fisherville Brook 440
Fogland Point 041
Forestdale 719, 861
Fort Adams 123, 182
Fort Cove 1217
Fort Wetherill 080, 130, 182,
207, 366, 381, 382, 384, 613,
668, 740, 776, 802, 805, 830,
1124
Fox Hill 081, 669, 839
Fox Island 036, 037, 093,
187, 426, 502, 514, 678, 782
Fox Point 421, 996, 998,
1016, 1218
- G**
Galilee 048, 184, 389, 460,
477, 758, 777, 808, 815
Gaspee Point 248, 296, 426,
474, 520, 585

Gilbert Stuart Brook 1101,
1132

Gilbert Stuart Pond 661

Goat Island 182

Goose Neck Cove 091

Gooseberry Island 381, 384,
1123, 1124

Gould Island 022, 115, 173,
297, 312, 442, 574, 739, 1123,
1124, 1127

Grafton 875

Grassy Point 098

Great Salt Pond 803

Green Hill 460, 905

Green Hill Beach 456, 534,
651, 820, 1149, 1162

Green Hill Pond 015, 076,
134, 192, 198, 316, 318, 459,
480, 482, 487, 554, 648, 665,
730, 760, 771, 822, 835, 929,
933, 944, 946, 1096, 1097, 1150

Greene Point 293

Greenville 949

Greenwich Bay 042, 164, 170,
229, 235, 238, 247, 254, 288,
342, 365, 378, 408, 409, 421,
427, 466, 556, 574, 585, 586,
593, 594, 595, 596, 616, 659,
679, 697, 719, 737, 786, 842,
927, 931, 939, 949, 1185, 1218

Greenwich Cove 096, 155, 337,
597, 697, 782, 949, 1144

Gull Rocks 1123, 1124

H

Hall Point 111

Harbor of Refuge 1218

Harrisville 719

Hazard Beach 456

Hog Island 1124, 1127

Hope Island 009, 164, 566,
699, 736, 748, 783, 811, 1123,
1124

Hope Valley 719

Horace Island 1124, 1161

Hundred Acre Cove 837, 838

Hunt River 719

I

Island Rocks 1124

J

Jamestown 037, 104, 127, 159,
164, 174, 182, 219, 248, 270,
299, 300, 301, 337, 380, 381,
384, 585, 642, 669, 720, 731,
740, 776, 815, 836, 839, 949,
970, 1079, 1153

Jamestown Bridge 049, 1079

Jamestown Island 1127

Jerusalem 063, 117, 120, 129,
184, 349, 460, 612, 774, 775,
815, 1149, 1217

K

Kickamuit River 580

Kingston 465, 616

L

Lands End 668, 776

- Lime Rock 874
- Lincoln 875
- Little Compton 174, 182, 219, 863, 1153
- Little Narragansett Bay 1006
- Long Island Sound 640
- Long Pond 1124
- Lonsdale 418, 584, 874, 875
- Lower East Passage 026, 149, 172, 173, 181, 182, 188, 196, 199, 204, 207, 219, 229, 231, 235, 254, 279, 286, 288, 290, 296, 297, 299, 301, 303, 312, 315, 342, 345, 364, 365, 366, 367, 378, 381, 382, 384, 409, 413, 421, 426, 442, 456, 466, 495, 496, 513, 514, 593, 594, 595, 596, 597, 613, 616, 621, 625, 644, 668, 720, 737, 739, 740, 742, 744, 745, 772, 776, 830, 836, 842, 843, 849, 850, 855, 856, 857, 858, 859, 909, 914, 930, 931, 939, 941, 942, 949, 951, 961, 970, 979, 999, 1024, 1025, 1034, 1054, 1130
- lower Narragansett Bay 004, 046, 049, 054, 057, 062, 110, 113, 131, 167, 1088, 1089
- Lower West Passage 026, 365, 136, 149, 150, 160, 163, 172, 181, 182, 187, 189, 190, 197, 199, 205, 208, 211, 212, 214, 216, 220, 221, 225, 228, 229, 231, 235, 202, 242, 243, 247, 249, 254, 256, 257, 259, 266, 268, 269, 274, 275, 277, 278, 282, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 295, 300, 301, 303, 304, 305, 309, 310, 311, 319, 322, 323, 325, 326, 327, 331, 332, 296, 343, 344, 345, 349, 364, 390, 392, 397, 407, 409, 410, 411, 412, 690, 415, 417, 419, 420, 421, 422, 423, 424, 426, 427, 431, 433, 434, 435, 436, 437, 438, 439, 440, 444, 445, 446, 447, 448, 450, 451, 452, 455, 456, 466, 467, 468, 469, 470, 473, 480, 481, 482, 486, 489, 490, 491, 492, 493, 496, 498, 499, 500, 501, 506, 507, 510, 511, 514, 521, 523, 531, 552, 553, 561, 574, 585, 586, 593, 594, 595, 596, 598, 605, 607, 608, 612, 613, 616, 632, 638, 643, 644, 649, 650, 653, 654, 655, 661, 663, 666, 668, 669, 670, 671, 673, 678, 680, 681, 682, 683, 689, 693, 694, 695, 697, 700, 701, 702, 708, 709, 711, 712, 713, 716, 719, 720, 721, 722, 723, 725, 726, 727, 733, 737, 738, 743, 758, 778, 782, 783, 786, 776, 767, 773, 810, 811, 812, 824, 832, 834, 839, 842, 843, 844, 848, 849, 865, 866, 867, 868, 870, 871, 872, 873, 881, 895, 928, 930, 931, 935, 936, 939, 942, 943, 945, 947, 949, 951, 956, 959, 967, 975, 976, 977, 978, 979, 984, 988, 989, 998, 999, 1001, 1002, 1016, 1017, 1018, 1024, 1025, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1035, 1045, 1046, 1047, 1048, 1065, 1086, 1090, 1093, 1094, 1095, 1099, 1130, 1175, 1177
- M
- Mackerel Cove 081, 299, 345, 1124
- Mackerel Cove Beach 456
- Manville 719, 875
- Maschaug Pond 076, 456, 665, 933
- Mashapaug Pond 949
- Maskerchugg River 155
- Matunuck 029, 315, 456, 534, 675, 777, 820, 828, 1121

- Matunuck Beach 1218
 Matunuck Point 029
 Melville 048, 949
 Mid-Atlantic Bight 065
 Middlebridge 086
 Middletown 495, 1034, 1153, 1174
 Mill Cove 585
 Misquamicut 077, 184, 303, 534, 567, 777, 815, 820, 1124, 1149
 Misquamicut Beach 651, 1162, 1218
 Moonstone Beach 303, 307, 534, 651, 801, 820, 1162
 Moshassuck River 337, 485, 520, 541, 542, 543, 719, 939, 949, 985, 1030
 Mount Hope Bay 030, 037, 042, 049, 073, 116, 149, 212, 235, 238, 239, 247, 296, 317, 337, 399, 421, 426, 458, 466, 485, 493, 496, 542, 547, 556, 572, 580, 581, 585, 593, 594, 595, 596, 616, 618, 629, 720, 737, 811, 842, 931, 939, 940, 949, 1012, 1024, 1025, 1030, 1062, 1130, 1183, 1185, 1232
 Mount View 042, 556
- M**
- Napatree Beach 456
 Napatree Point 184, 1123
 Narragansett 009, 013, 090, 091, 133, 146, 162, 168, 182, 184, 219, 230, 249, 278, 295, 300, 309, 316, 318, 390, 456, 460, 522, 623, 657, 658, 681, 682, 690, 695, 700, 701, 702, 790, 805, 806, 810, 824, 843, 865, 868, 871, 872, 873, 895, 935, 959, 967, 976, 978, 984, 988, 1001, 1016, 1017, 1018, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1153, 1154
 Narragansett Beach 456
 Narragansett Pier 174, 184, 300, 465, 475, 558, 616, 828, 1061, 1233
 Narrow River 086, 126, 588, 935, 1073
 Nayatt Point 239, 317, 421
 New Harbor 249
 New Haven Harbor, CT 033
 New Shoreham 342
 Newport 048, 091, 093, 152, 174, 182, 183, 184, 219, 247, 251, 264, 299, 301, 333, 337, 342, 367, 378, 380, 381, 382, 384, 409, 413, 513, 616, 621, 625, 742, 744, 745, 772, 776, 850, 855, 856, 857, 858, 859, 909, 914, 941, 949, 951, 961, 970, 1034, 1060, 1071, 1120, 1143, 1144
 Newport Beach 793
 Newport Harbor 174, 296, 597, 720, 744, 1057, 1069, 1174
 Newport Neck 123, 464, 1054
 Ninigret Pond 016, 076, 081, 111, 174, 192, 309, 316, 352, 456, 459, 487, 563, 599, 648, 665, 730, 734, 753, 790, 800, 827, 835, 905, 911, 933, 1008, 1096, 1097, 1115, 1150
 Nipmuc River 719

- North Attleboro 337
- North Jamestown 120
- North Kingstown 009, 029, 935
- O
- Oakland Beach 927
- Ohio Ledge 042, 213, 248,
249, 286, 996, 1048
- P
- Palmer River 337, 542, 837
- Passeonkquis Cove 517
- Patience Island 170, 248,
566, 585, 736, 1127
- Pawcatuck River 615, 706,
719, 851, 861, 1218
- Pawtucket 233, 241, 337, 418,
463, 496, 584, 874, 875, 1230,
1231
- Pawtuxet 719, 861
- Pawtuxet Cove 030, 248, 893,
934, 1144, 1218
- Pawtuxet Neck 239, 317
- Pawtuxet River 053, 221, 248,
266, 267, 296, 298, 337, 432,
463, 468, 472, 483, 485, 538,
541, 542, 543, 544, 545, 584,
615, 637, 719, 763, 769, 774,
775, 821, 851, 861, 934, 939,
949, 954, 976, 985, 998, 1009,
1030, 1159, 1214
- Pettaquamscutt Cove 255
- Pettaquamscutt Lake 805
- Pettaquamscutt River 029,
054, 060, 086, 088, 091, 094,
126, 129, 162, 168, 174, 177,
195, 206, 215, 219, 255, 257,
262, 281, 289, 343, 344, 349,
416, 440, 461, 479, 571, 588,
601, 612, 613, 617, 620, 649,
657, 661, 670, 689, 695, 758,
773, 806, 807, 815, 870, 881,
928, 935, 975, 977, 1007, 1064,
1065, 1073, 1116, 1129, 1132,
1139, 1204
- Pine Hill Point 996
- Plum Beach Lighthouse 308
- Pocasset River 949
- Point Judith 030, 174, 182,
238, 383, 384, 393, 456, 464,
465, 468, 554, 734, 735, 786,
817, 833, 846, 850, 905, 1141,
1168, 1170, 1171
- Point Judith Pond 016, 076,
089, 095, 112, 119, 134, 192,
219, 257, 318, 351, 353, 459,
479, 480, 481, 487, 553, 620,
665, 674, 704, 730, 734, 766,
771, 799, 822, 823, 911, 933,
1021, 1096, 1097, 1150, 1218
- Popasquash Neck 213
- Popasquash Point 037, 290
- Portsmouth 184, 219, 306,
314, 495, 496, 629, 949, 951,
1034
- Potowomut Neck 153, 404
- Potowomut River 514, 719,
1218
- Potter Pond 076, 124, 192,
318, 330, 351, 459, 487, 553,
665, 730, 760, 771, 822, 933,
1096, 1097, 1124, 1150
- Price Neck 621, 1077, 1161
- Providence 174, 184, 233,
249, 302, 337, 356, 391, 443,
463, 468, 473, 483, 485, 490,
533, 538, 542, 543, 545, 616,

690, 699, 702, 719, 720, 742,
874, 897, 912, 957, 985, 1000,
1077, 1209

Providence Harbor 159, 900,
912, 1000, 1063, 1176, 1216,
1218, 1219

Providence River 018, 026,
034, 037, 042, 049, 053, 075,
104, 105, 110, 127, 132, 149,
154, 159, 164, 181, 188, 197,
209, 215, 221, 222, 229, 231,
233, 235, 238, 239, 241, 247,
248, 249, 254, 266, 269, 274,
277, 286, 288, 290, 291, 296,
304, 317, 327, 331, 337, 342,
350, 356, 362, 365, 377, 378,
388, 392, 398, 409, 421, 426,
427, 428, 432, 443, 449, 463,
468, 473, 474, 480, 481, 483,
485, 490, 496, 514, 517, 520,
533, 538, 541, 542, 543, 544,
545, 546, 548, 556, 585, 586,
593, 594, 595, 596, 600, 615,
616, 632, 637, 659, 675, 690,
699, 702, 708, 710, 719, 729,
731, 737, 742, 763, 766, 769,
774, 775, 781, 811, 821, 837,
838, 842, 851, 861, 884, 893,
895, 897, 900, 912, 918, 931,
934, 939, 940, 942, 944, 949,
954, 957, 976, 979, 985, 986,
994, 996, 998, 999, 1000, 1009,
1011, 1013, 1014, 1016, 1020,
1030, 1047, 1048, 1058, 1090,
1098, 1099, 1130, 1144, 1156,
1161, 1218

Prudence Island 170, 219,
484, 566, 574, 585, 616, 736,
1056, 1127

Q

Quonochontaug 465, 473, 616,
758, 815, 844

Quonochontaug Beach 184, 534,
720

Quonochontaug Pond 058, 076,

081, 345, 357, 456, 517, 521,
665, 667, 760, 766, 924, 933,
1124, 1134, 1224

Quonset 473, 667, 949, 1221

Quonset Point 048, 107, 279,
337, 484, 634, 947, 951, 998,
1016, 1124

R

Rehoboth 1230

Rhode Island Sound 012, 018,
037, 039, 049, 052, 053, 073,
075, 134, 164, 166, 188, 213,
215, 219, 220, 221, 222, 226,
229, 250, 257, 265, 274, 291,
297, 303, 304, 307, 316, 318,
327, 330, 333, 339, 342, 345,
349, 380, 417, 426, 456, 464,
466, 493, 518, 530, 570, 574,
590, 593, 594, 595, 596, 601,
616, 623, 626, 630, 639, 644,
657, 658, 664, 668, 688, 692,
705, 706, 714, 720, 737, 741,
751, 759, 766, 773, 776, 792,
793, 802, 805, 815, 853, 854,
855, 856, 857, 858, 859, 884,
895, 931, 939, 944, 946, 949,
958, 963, 968, 969, 970, 979,
996, 998, 999, 1016, 1030,
1047, 1048, 1106, 1126, 1178,
1179

Riverside 053, 174, 221, 378

Rocky Point 481

Rome Point 120, 293, 782

Rose Island 514, 1123, 1124

Round Rock 1124

Round Swamp 060, 217, 960

Rumstick Cove 986, 994, 1011,
1014, 1102

Rumstick Neck 164, 731

- Rumstick Point 213, 837
949, 951, 976, 979, 985, 998,
999, 1030, 1218
- Runnins River 337, 542
- Segar Cove 124
- Sheffield Cove 585
- Sabin Point 107, 159, 164,
238, 239, 249, 296, 317, 331,
421, 449, 514, 731, 996, 1048
- Silver Spring 496
- Sakonnet 844
- Silver Spring Cove 799
- Sakonnet Harbor 174, 1081,
1144, 1218
- Slatersville 874
- Sakonnet Point 048, 174, 182,
219, 616, 717, 858, 930, 1123,
1124
- Smith Cove 573, 994, 1013,
1014, 1084, 1085
- Sakonnet River 039, 041, 049,
149, 219, 226, 235, 238, 296,
342, 364, 417, 421, 456, 466,
493, 496, 574, 581, 585, 593,
594, 595, 596, 616, 629, 644,
668, 717, 776, 811, 837, 844,
863, 930, 931, 939, 949, 951,
1056, 1104, 1218
- Smithfield 337, 418, 584
- Sand Hill Cove 303, 456, 843
- Somerset 337, 949
- Sandy Point 296, 456, 473,
1006, 1052, 1123, 1124, 1134
- South Kingstown 013, 086,
219, 316, 318, 460, 492, 522,
790, 822, 847, 905, 935, 952
- Saugatucket River 058, 799,
1101, 1134
- Spar Island 212, 572, 585, 1124
- Saunderstown 107, 182, 300
- Spectacle Cove 585
- Saylesville 874
- Sprague Bridge 080
- Seal Rock 384
- Stook Hill 300
- Second Beach 303, 456
- Sutton 875
- Seekonk 1230, 1231
- Swansea 1231
- Seekonk River 120, 154, 181,
232, 233, 235, 241, 274, 290,
302, 337, 421, 468, 496, 520,
541, 542, 543, 547, 584, 593,
594, 595, 596, 615, 616, 659,
662, 706, 708, 719, 729, 737,
842, 874, 875, 931, 939, 941,
- T
- Taunton 337
- Taunton River 030, 049, 073,
238, 337, 387, 421, 468, 496,
542, 547, 572, 580, 581, 593,
594, 595, 596, 939, 949, 976,
1062, 1130, 1144, 1232
- Ten Mile River 073, 337, 541,
542, 547, 939, 949, 985
- Third Beach 456
- Thomas Point 095

Tiverton 174, 219, 342, 385,
616, 837, 949, 1104

Trustom Pond 076, 192, 219,
307, 456, 730, 771, 774, 822,
905, 933, 1097, 1124

U

Upper East Passage 026, 181,
229, 231, 235, 238, 247, 254,
277, 286, 290, 296, 306, 314,
365, 409, 421, 466, 495, 496,
507, 514, 566, 593, 594, 595,
596, 616, 629, 659, 668, 729,
736, 737, 776, 842, 931, 939,
949, 979, 999, 1024, 1025,
1030, 1034

Upper Narragansett Bay 026,
046, 049, 062, 110, 131, 149,
154, 181, 197, 221, 229, 231,
233, 235, 238, 247, 248, 249,
253, 254, 266, 274, 277, 286,
290, 291, 296, 327, 331, 337,
365, 377, 378, 392, 402, 409,
416, 421, 427, 463, 466, 480,
481, 485, 493, 496, 514, 538,
541, 542, 550, 566, 586, 593,
594, 595, 596, 614, 629, 632,
642, 659, 677, 710, 719, 731,
736, 737, 754, 758, 768, 786,
793, 811, 842, 931, 939, 942,
949, 979, 985, 996, 998, 999,
1016, 1030, 1047, 1048, 1058,
1090, 1099, 1128, 1130, 1177,
1183, 1216, 1219

Upper West Passage 026, 058,
166, 176, 181, 219, 221, 222,
224, 229, 231, 235, 238, 240,
247, 248, 249, 252, 254, 259,
266, 269, 270, 274, 275, 276,
277, 286, 290, 291, 296, 304,
305, 324, 331, 337, 392, 404,
409, 411, 421, 426, 427, 443,
445, 449, 466, 468, 473, 480,
484, 490, 493, 495, 496, 506,
507, 514, 516, 521, 538, 566,
574, 585, 586, 589, 593, 594,
595, 596, 608, 609, 629, 632,
634, 659, 667, 671, 685, 699,
712, 719, 721, 729, 731, 736,

737, 738, 748, 776, 782, 783,
811, 842, 873, 930, 931, 939,
942, 949, 967, 976, 979, 982,
996, 997, 998, 999, 1002, 1016,
1017, 1020, 1024, 1025, 1030,
1032, 1047, 1048, 1090, 1099,
1105, 1177, 1183

Usher Cove 238

Usquepaug 719

Usquepaug River 719

Uxbridge 875

W

Wakefield 836

Warren 174, 337, 378, 677,
754, 949, 1231

Warren Point 174

Warren River 337, 542, 1130,
1218

Warren River System 421, 520,
568, 573, 616, 647, 754, 842,
949

Warwick 153, 247, 267, 337,
378, 404, 408, 443, 463, 538,
542, 543, 545, 763, 786, 793,
927, 934, 949

Warwick Cove 1218

Warwick Neck 164, 521

Warwick Point 998, 1016

Washington 719

Washington County 777, 803

Watch Hill 174, 184, 384,
465, 502, 554, 616, 686, 734

Watchemoket Cove 058, 1134

Weekapaug 184, 393, 815

- Weekapaug Beach 534, 651,
820, 1162
- Weekapaug Point 720
- West Kingston 719
- West Passage 049, 070, 079,
085, 113, 120, 123
- West River 949
- West Warwick 443, 463, 763,
934
- Westerly 184, 219, 316, 342,
460, 465, 475, 719, 815, 861,
1153
- Whale Rock 036, 037, 080,
093, 481, 521, 692
- Whitinsville 875
- Wickford 058, 174, 184, 238,
300, 390, 473, 481, 486, 531,
616, 708, 942, 949, 1077, 1134,
1161
- Wickford Cove 096, 257, 697,
1144
- Wickford Harbor 129, 132,
247, 612, 1124, 1130, 1218
- Winnapaug Pond 058, 076, 456,
460, 567, 665, 734, 768, 933,
1134
- Wood River 719
- Wood River Junction 719
- Woonasquatucket River 337,
356, 485, 520, 541, 542, 543,
719, 939, 949, 985, 1030
- Woonsocket 337, 418, 584,
719, 874

Taxonomic Index

- A**
- Acanthamoeba* sp. 139
- Acanthoeopsis unguiculata* 1015
- Acanthoeopsis unguilata* 151
- Acanthohaustorius millsii* 937
- Acanthoica aculeata* 265
- Acartia clausi* 017, 044, 046, 189, 287, 444, 447, 480, 482, 499, 572, 1016, 1017
- Acartia hudsonica* 044, 046, 078, 103, 292, 319, 427, 469, 536, 691, 695, 733, 762, 942, 984, 1087
- Acartia longiremis* 942
- Acartia* sp. 116, 286
- Acartia* spp. 481, 764
- Acartia tonsa* 017, 035, 043, 046, 055, 103, 229, 319, 408, 427, 438, 444, 447, 455, 480, 482, 499, 536, 586, 722, 733, 942, 944, 946, 984, 1016, 1017, 1087, 1137
- Acaulospora scrobiculata* 801, 1111
- Acaulospora spinosa* 1111
- Achelia spinosa* 937
- Achirus fasciatus* 1177
- Achnanthes brevipes* 1116
- Achnanthes haukiana* 1116
- Achnanthes longipes* 1116
- Acinetobacter* 102
- Acipenser sturio* 1177
- Acrochaete wittrockii* 1114
- Acrogenospora sphaerocephala* 799
- Acropora cervicornis* 097
- Acropora palmata* 097
- Acrothrix gracilis* 1114
- Acteocina canaliculata* 054, 416, 947
- Acteon punctostriatus* 947
- Actinomonas mirabilis* 151, 1015
- Actinoptychus senarius* 265, 1117
- Adoncholaimus* sp. 255
- Aedes aegypti* 306
- Aedes sollicitans* 454
- Aeginina longicornis* 857, 937
- Aeginina* sp. 857
- Aequipecten irradians* 036, 037, 488, 686, 794, 840
- Aeromonas* 769
- Aeromonas hydrophila* 1146
- Aesychis elongata* 292
- Agalinis maritima* 1112
- Agalinis purpurea* 1112
- Agardhiella subulata* 911, 1096, 1097, 1114, 1115
- Agaricia agaricites* 097

- Agelaius phoeniceus 838
- Aglaophamus circinata 857,
859, 937
- Agonidae 049
- Agrostis stolonifera 1112
- Ahnfeltia plicata 657, 773,
1114
- Alaria esculenta 1114
- Alca torda 570
- Alcynonium digitatum 366
- Allescheria boydii 799
- Alosa aestivalis 036, 037,
294, 940
- Alosa pseudoharengus 036,
037, 294, 440, 509, 700, 707,
940, 1177
- Alosa sapidissima 509
- Alosa spp. 049
- Alternaria spp. 1113
- Alteutha rara 411
- Alvania castanea 937
- Ameiopsis brevicornis 411
- Amelanchier canadensis 1111
- Ammodramus caudacutus 837
- Ammodramus maritimus 837
- Ammodytes americanus 049, 704
- Ammodytes sp. 619
- Ammodytidae 049
- Ammophila breviligulata 801,
892, 1111
- Ampelisca abdita 054, 114,
270, 408, 416, 857, 947, 997,
1017
- Ampelisca agassizi 857, 859,
937
- Ampelisca macrocephala 857
- Ampelisca vadorum 937
- Ampelisca verrilli 937, 947
- Ampharete arctica 857, 859,
937
- Ampharete johnstoni 937
- Ampharetid sp. 857
- Ampharetidae 114, 997
- Amphidinium carteri 095, 692,
1117
- Amphidinium crassum 265
- Amphidinium sp. 167, 205,
1117
- Amphidinium sphenoides 1117
- Amphidinium spp. 136
- Amphimonas globosa 151
- Amphipoda 857, 859
- Amphiporus caecus 126
- Amphiporus sp. 859
- Amphiprora alata 461
- Amphiprora gigantea 461
- Amphiprora similis 461
- Amphora abludens 1116
- Amphora angularis 1116
- Amphora angusta 461, 617,
1116

- Amphora beaufortiana* 1116 1139, 1165, 1177
Amphora coffeaeformis 1116 Anguillidae 049
Amphora commutata 1116 Anguillospora crassa 799
Amphora crassa 265 Anguillospora longissima 799
Amphora cymbelloides 1116 Annelida 857, 859, 937, 1118
Amphora granulata 1116 Anomahalacarus n. sp. 255
Amphora hyalina 1116 Anomia aculeata 937
Amphora libyca 617 Anomia simplex 271, 937
Amphora lineolata 461, 617, 1116 Anomoeoneis costata 1116
Amphora macilenta 617, 1116 Anonyx sarsi 859
Amphora ostrearia 1116 Anoplostoma sp. 255
Amphora ovalis 461, 1116 Anotrichium tenue 1114
Amphora proteoides 461, 617, 1116 Anquilla rostrata 458
Amphora proteus 1116 Anthozoa 857, 859, 937
Amphora sublaevis 1116 Antithamnion cruciatum 1114
Amphora tenerimma 1116 Apedinella spinifera 1117
Amphora tenerrima 617 Apeltes quadracus 458
Amphora tenerrima 461 Aphrodita hastata 937
Anachis lafresnayi 937 Apirorbis borealis 772
Anadara transversa 271 Aragella iricolor 947
Anagallis arvensis 1112 Arbacia punctulata 679, 840
Anatonchus sp. 255 Archiannelida 937
Anchoa hepsetus 036, 037 Arctica islandica 250, 741, 852, 857, 858, 859, 937
Anchoa mitchilli 037, 049, 271, 458, 940 Arenaria peploides 916
Anguilla rostrata 037, 049, 509, 661, 684, 707, 809, 832, 870, 940, 1101, 1103, 1132, Arnosetella sp. 255
Argissa hamatipes 937
Argopecten irradians 095,

- 112, 459, 765, 823, 983
- Argopecten irradians irradians* 100, 579, 770
- Aricidae catherinae* 937
- Aricidae sp.* 114
- Artemia salina* 281, 282, 349
- Artemia sp.* 168
- Artemisia abrotanum* 910
- Artemisia absinthium* 910
- Artemisia campestris* 1112
- Artemisia caudata* 757
- Artemisia dracunculus* 910
- Artemisia stelleriana* 910, 1112
- Artemisia vulgaris* 910
- Arthrobacter* 816
- Arthrobotrys sp.* 799
- Arthrocladia villosa* 1114
- Arthropoda 857, 859, 937
- Artica islandica* 591, 759
- Asabellides oculata* 937
- Ascolaimus sp.* 255
- Ascophyllum nodosum* 123, 264, 309, 623, 657, 693, 773, 911, 1114, 1115
- Asperococcus fistulosus* 1114
- Aspidophoroides monopterygius* 049
- Astarte borealis* 857, 937
- Astarte castanea* 937
- Astarte (undata)* 857, 937
- Aster novi-belgii* 1112
- Aster subulatus* 1111, 1112
- Aster tenuifolius* 1111, 1112
- Asterial spp.* 036
- Asterias forbesi* 052, 081, 238, 345, 792, 849, 937, 1122
- Asterias spp.* 037
- Asterias vulgaris* 052
- Asterionella glacialis* 068, 136, 167, 205, 265, 427, 650
- Asteromphalus flabellatus* 265
- Asteromyces cruciatus* 1113
- Astrangia danae* 072, 080, 097, 196, 204, 366, 401, 613, 687, 688, 802, 989
- Astrionella bleakleyi* 1117
- Astrionella glacialis* 1117
- Astrionella notata* 1117
- Astyris sp.* 937
- Asychis elongata* 054, 271, 416, 857, 859, 937
- Asychis sp.* 1016
- Atherinidae* 049
- Atriplex glabriuscula* 1112
- Atriplex patula* 921, 1111, 1112
- Atriplex sp.* 906
- Attheya decora* 650, 1117
- Audouinella daviesii* 1114

- Audouinella membranacea 1114
 Audouinella purpurea 1114,
 1115
 Audouinella secundata 1114
 Audouinella spetsbergensis
 1114
 Aureococcus anophagefferens
 586, 680, 681, 1117
 Aureococcus anorexefferens
 732, 860, 1136, 1137
 Aureococcus anorexifferans
 427
 Autolytus sp. 937
 Autolytus verrilli 937
 Axiognathus squamatus 937
 Axius serratus 857, 937
 Axius sp. 937
 Axonolaimidae 255

 B
 Babesia microti 1127
 Baccharis halimifolia 791,
 894, 1112
 Baccharis halimifolium 1111
 Bacillaria paradoxa 410
 Bacillaria paxillifer 617,
 1116
 Bacillaria sp. 387
 Bacteriastrum delicatulum
 1117
 Bacteriastrum hyalinum 1117
 Balanophyllia floridana 097
 Balanus amphitrite 283
 Balanus balanus 289, 937
 Balanus crenatus 289
 Balanus eburneus 123, 289,
 427
 Balanus improvisus 162, 168,
 283, 289
 Balanus sp. 130, 942
 Balanus spp. 123
 Balanus venustus 283, 289
 Balistes carolinensis 509
 Bangia atropurpurea 1114,
 1115
 Barbarea vulgaris 901
 Bassia hirsuta 1112
 Bassia sp. 906
 Bathylaimus sp. 255
 Batillipes mirus 255
 Benthosema glaciale 619
 Berkeleya micans 1116
 Berkeleya rutilans 1116
 Biddulphia sp. 136
 Biddulphia spp. 167
 Biocoeca vacillans 151
 Bittium alternatum 685
 Bivalvia 224
 Blidingia marginata 1114
 Blidingia minima 1114
 Bodo alexeieffi 151

- Bodo angustus 151 509, 764, 898, 940, 1141, 1177
Bodo celer 151 Brosme brosmе 1177
Bodo curvifulus 151 Bryopsis hypnoides 1114
Bodo designis 109, 151 Bryopsis plumosa 657, 773, 1114
Bodo globosus 151 Bryozoa 859, 937, 1118
Bodo minimus 151 Bubulcus ibis 1124
Bodo mutabilis 151 Buergenerula spartinae 1113
Bodo nanorenis 151 Bugula turrita 488
Bodo ovatus 151 Busycon canaliculata 271
Bodo parvulis 151 Busycon canaliculatum 036, 037, 052, 238, 811
Bodo platyformis 151 Busycon carica 036, 037, 811
Bodo rostratus 151 Butorides striatus 1124
Bodo sp. 109, 151, 1015 Byblis serrata 857, 859, 937
Bodo variabilis 151
Bolbocoleon piliferum 1114
C
Bonnemaisonia hamifera 657, 773, 1114 Cakile edentula 901, 1112
Borrelia burgdorferi 1127 Cakile eduntula 1111
Bothidae 049 Cakile harperi 901
Bothus sp. 619 Cakile martima 901
Botryleus schlosseri 488 Calanus finmarchicus 134, 480, 942
Botryotrichum piluliferum 799 Calanus sp. 857
Botrytella micromora Bory 1114 Calidrus maritima 748
Brachiomonas submarina 696 Callinectes sapidus 036, 037, 091, 238
Brada villosa 937 Callithamnion byssoides 1114
Brania sp. 937 Callithamnion corymbosum 1114
Brevoortia tyrannus 035, 036, 037, 040, 049, 161, 458, 488, Callithamnion hookeri 1114

- Callithamnion roseum 1114
Callithamnion tetragonum 1114
Callophyllis cristata 1114
Calonectris diomedea 570
Caloneis fenzlii 461, 617, 1116
Caloneis oregonica 617, 1116
Caloneis subsalina 1116
Calycomonas ovalis 681
Calycomonas spp. 136, 167
Campanularia (verticillata) 857
Campanulariidae sp. 857
Campylodiscus echeneis 1116
Campylodiscus sp. 265
Cancer borealis 007, 036, 037, 052, 172, 218, 678, 746, 812, 830, 857, 859, 937, 1010, 1140
Cancer irroratus 007, 036, 037, 052, 238, 280, 494, 622, 678, 746, 792, 812, 828, 830, 937, 1010, 1140
Candacia armata 942
Candida beechii 1113
Candida bogoriensis 1113
Candida brumptii 1113
Candida ciferrii 1113
Candida claussenii 1113
Candida conglobata 1113
Candida curiosa 1113
Candida intermedia 1113
Candida macedoniensis 1113
Candida maritima 1113
Candida melibiosica 1113
Candida quilliermondii 1113
Candida ravautii 1113
Candida sake 1113
Candida salmanticensis 1113
Candida solani 1113
Candida sp. 1113
Candida tenuis 1113
Candida zeylanoides 1113
Capitella capitata 054, 416, 937, 945
Capitella spp. 408
Capsosiphon fulvescens 1114
Capsosiphon groenlandicum 1114
Carassostrea virginica 591
Carcharodon carcharias 751
Carcinus maenas 238, 271, 828, 840
Caretta caretta 886
Carex silicea 1111
Carteria sp. 1117
Casco bigelowi 859, 937
Casmerodius albus 1124
Caulleriella killariensis 937
Cenchrus longispinus 787,

- 1111, 1112
- Centropages hamatus* 017, 444, 447, 480, 762, 942
- Centropages* sp. 427, 764, 857
- Centropages typicus* 444, 480, 481, 942
- Centropristes striatus* 1177
- Centropristis striata* 294, 509
- Ceramium deslongchampii* 1114
- Ceramium diaphanum* 1114
- Ceramium fastigiatum* 1114
- Ceramium rubrum* 657, 773, 1114, 1115
- Ceramium strictum* 1114
- Cerastoderma pinnulatum* 114, 859, 937
- Cerataulina pelagica* 136, 167, 205, 427, 1117
- Ceratium furca* 1117
- Ceratium fusus* 265, 1117
- Ceratium lineatum* 265, 1117
- Ceratium longipes* 1117
- Ceratium macroceros* 265
- Ceratium massiliense* 265
- Ceratium minutum* 265, 1117
- Ceratium pentagonum* 265
- Ceratium tripos* 265, 1117
- Ceratoscopelus maderensis* 619
- Ceratulina bergonii* 189
- Ceratulina pelagica* 650
- Cerebratulus lacteus* 054, 271
- Cerebratulus* sp. 859
- Ceriantheopsis americanus* 114, 271, 859, 937, 947, 997
- Ceriantheopsis* sp. 1016
- Cerianthus (borealis)* 857
- Ceriosporopsis calyptrata* 799
- Ceriosporopsis cambrensis* 799, 1113
- Ceriosporopsis halima* 799
- Ceriosporopsis tubulifera* 799
- Cetorhinus maximus* 751
- Chaetoceros affinis* 129, 257, 444, 612, 650, 1117
- Chaetoceros amanita* 257, 1117
- Chaetoceros atlanticus* 129, 257, 265, 612, 1117
- Chaetoceros borealis* 257, 1117
- Chaetoceros brevis* 257, 1117
- Chaetoceros calcitrans* 129, 612
- Chaetoceros ceratosporus* 129, 257, 612, 1117
- Chaetoceros coarctatum* 265
- Chaetoceros compressus* 129, 189, 257, 444, 612, 650, 1117
- Chaetoceros constrictus* 129, 257, 612, 1117
- Chaetoceros convolutus* 257, 1117

- Chaetoceros coronatus 129, 257, 612, 1117
- Chaetoceros costatus 129, 257, 612, 1117
- Chaetoceros crinitus 129, 257, 612, 1117
- Chaetoceros curvisetum 257, 410, 427, 650, 705
- Chaetoceros curvisetus 1117
- Chaetoceros danicus 129, 257, 612, 1117
- Chaetoceros debilis 129, 257, 427, 612, 650, 705, 1117
- Chaetoceros decipiens 129, 189, 257, 612, 650, 1117
- Chaetoceros densus 129, 257, 612, 1117
- Chaetoceros diadema 064, 129, 257, 260, 612, 650, 705, 1095, 1117
- Chaetoceros didymus 129, 189, 257, 427, 444, 612, 650, 705, 1117
- Chaetoceros eibenii 257, 1117
- Chaetoceros fallax 129, 257, 612, 1117
- Chaetoceros gracilis 650
- Chaetoceros holsaticus 1117
- Chaetoceros ingolfianus 1117
- Chaetoceros lacinosus 129, 257, 612, 1117
- Chaetoceros lauderi 257, 705, 1117
- Chaetoceros lorenzianus 129, 257, 612, 650, 1117
- Chaetoceros pelagicus 1117
- Chaetoceros perpusillus 129, 257, 444, 612, 1117
- Chaetoceros peruvianus 129, 257, 612, 1117
- Chaetoceros pseudocrinitus 129, 257, 612, 1117
- Chaetoceros pseudocurvisetus 129, 257, 612, 1117
- Chaetoceros radicans 129, 257, 612, 1117
- Chaetoceros rostratus 129, 257, 612, 1117
- Chaetoceros seiracanthus 129, 257, 612, 1117
- Chaetoceros septentrionalis 129, 257, 612, 1117
- Chaetoceros similis 129, 257, 612, 650, 1117
- Chaetoceros simplex 129, 257, 612, 1117
- Chaetoceros sociale 260, 696, 705
- Chaetoceros socialis 129, 257, 427, 612, 650, 1117
- Chaetoceros sp. 069, 129, 205, 265, 292, 387, 410
- Chaetoceros spp. 136, 167, 189, 243, 1117
- Chaetoceros subtilis 129, 136, 167, 205, 257, 427, 612, 650, 1117
- Chaetoceros tenuissimus 257, 1117
- Chaetoceros teres 257, 260, 612, 696, 705, 1117

- Chaetoceros teres/lauderi 129
Chaetoceros tortissima 650
Chaetoceros whigami 189
Chaetomium sp. 799
Chaetomorpha aerea 657, 773, 1114
Chaetomorpha brachygona 1114
Chaetomorpha linum 192, 657, 773, 1096, 1097, 1114, 1115
Chaetomorpha melagonium 657, 773, 1114
Chaetomorpha picquotiana 1114
Chaetonotus sp. 255
Chaetopterus variopedatus 271, 947
Chaetozone sp. 114, 997, 1017
Chamaesyce polygonifolia 1112
Champia parvula 657, 773, 911, 1114, 1115
Chara asperus 1115
Chara braunii 1115
Chelonia mydas 886
Chenopodiaceae 906
Chenopodium ambrosioides 1111, 1112
Chenopodium desiccatus 1112
Chenopodium glaucum 1111
Chenopodium rubrum 1112
Chenopodium sp. 906
Chilomonas mariana 265
Chilomonas sp. 151
Chirodotea tuftsi 937
Chironomidae 054
Chlamydomonadaceae 1004
Chlamydomonas sp. 1117
Chlorella sp. 082, 682, 1117
Chlorophyceae 223, 309, 1004
Chondria baileyana 1114
Chondria dasyphylla 1114
Chondria sedifolia 1114
Chondria tenuissima 1114
Chondrus crispus 309, 623, 657, 693, 773, 911, 1114
Chone infundibuliformis 857, 859, 937
Chorda filum 1114
Chorda tomentosa 1114
Chordaria flagelliformis 1114
Chordata 937
Choreocolax polysiphoniae 1114
Chromadoridae 255
Chroodactylon oranatum 1115
Chroodactylon ornatum 1114
Chroomonas amphioxeia 650
Chroomonas salina 1117
Chroomonas spp. 1117
Chroomonas vectensis 265
Chrysamoeba provasolii 082

- Chrysamoeba* sp. 082
Chrysaora quinquecirrha 134
Chrysochromulina elegans 082
Chrysochromulina ericina 1117
Chrysochromulina leadbeateri
 082
Chrysochromulina parkae 1117
Chrysochromulina pelagica 082
Chrysochromulina simplex 082
Chrysochromulina sp. 082
Chrysochromulina spp. 136,
 167, 205, 1117
Chrysochromulina tenuisquama
 082
Chrysochromulina vexillifera
 082
 Chrysophyceae 245, 246, 247
 Chrysophyte 860
Chthamalus fragilis 283, 289
Ciona intestinalis 123, 1167
Cirolana polita 857, 859, 937
Cirratulid sp. 859
Cirratulidae sp. 857, 937
Cirrenalia macrocephala 799,
 1113
Cirriformia (grandis) 857,
 937
Cirrophorus branchiatus 937
Cirrophorus lyriformis 937
Citharichthys arctifrons 619
Cladocora arbuscula 097
Cladophora albida 1114
Cladophora crystallina 960
Cladophora dalmatica 1114
Cladophora hutchinsiae 1114
Cladophora laetevirens 1114
Cladophora rupestri 1115
Cladophora rupestris 1114
Cladophora sericea 1114, 1115
Cladophora sp. 192
Cladophora spp. 657, 773,
 1096, 1097
Cladophora vagabunda 1114
Cladosiphon zosterae 1114
Cladostephus spongiosus 657,
 773, 1114
Clavariopsis sp. 799
Clione celata 366, 488
Clostridium perfringens 737,
 842, 999, 1025, 1128, 1130
Clupea harengus 294, 509,
 850, 1177
Clupea harengus harengus 036,
 037, 049, 940
 Clupeidae 049
Clymenella sp. 271
Clymenella torquata 857, 859,
 937, 947, 1052
Clymenella zonalis 937
Clymenellinae sp. 857

- Cnidaria 857, 859, 937
- Coccolithus pelagicus 1117
- Cocconeis scutellum 265, 1116
- Cochlodinium spp. 1117
- Codium fragile 309, 623, 657, 773, 883, 911, 1094, 1096, 1097, 1114, 1115
- Codosiga sp. 109
- Coelenterata 1118
- Colpophyllia natans 097
- Columba livia 308
- Conger oceanica 1177
- Conocephalus spartinae 1084
- Convolvulus sepium 1111
- Copepoda 857
- Coquillettidia perturbans 454
- Corallina officinalis 657, 773, 911, 1114
- Corethron criophilum 265, 1117
- Corethron hystrix 136, 167
- Corollospora cristata 799, 1113
- Corollospora lacera 799
- Corollospora maritima 799, 1113
- Corollospora trifurcata 799
- Corophium bonelli 937
- Corophium crassicorne 937
- Corophium sp. 114, 323, 947, 997
- Coryceaus sp. 942
- Corymbellus aureus 082
- Coscinodiscus asteromphalus 1117
- Coscinodiscus centralis 265, 1117
- Coscinodiscus concinnus 1117
- Coscinodiscus grani 265
- Coscinodiscus granii 1117
- Coscinodiscus granulatus 265
- Coscinodiscus marginatus 265
- Coscinodiscus nitidus 265
- Coscinodiscus oculus-iridis 1117
- Coscinodiscus radiatus 265
- Coscinodiscus sp. 265, 387
- Coscinodiscus spp. 126, 136, 167, 1073
- Coscinodiscus sub-bulliens 265
- Coscinodiscus wailesii 265, 1117
- Cottidae 049
- Crangon septemspinosa 114, 271, 857, 937, 947
- Crangon sp. 103, 1016
- Crassinella mactracea 937
- Crassostrea virginica 236, 459, 574, 730, 805, 840, 930, 1104
- Cremasteria cymatilis 799, 1113

- Crenella decussata 937
Crenella glandula 937
Crepidula fornicata 123, 271, 280, 427, 685, 849, 937, 947
Crepidula plana 123, 271, 937, 947
Crepidula sp. 305
Crepidula spp. 1016
Cricosphaera roscoffensis 1117
Crustacea 857, 859, 937, 947, 1118
Cryptobia maris 151
Cryptocotyle lingua 089
Cryptomonad sp. 167
Cryptomonas amphioxeiae 427
Cryptomonas spp. 1117
Cryptomonas stigmatica 265
Ctenophora 1118
Cumacea 857, 859
Cyatholaimidae 255
Cyatholaimus sp. 255
Cyathonomas sp. 109
Cyathura burbanckia 937
Cyclocardia borealis 937
Cyclopteridae 049
Cyclopterus lumpus 1177
Cyclotella caspia 265, 650, 1117
Cyclotella closterium 1117
Cyclotella meneghiniana 1117
Cyclotella sp. 069
Cyclotella striata 1117
Cygnus olor 1163
Cyichnella oryza 947
Cylindrotheca closterium 265, 617, 1116
Cylindrotheca fusiformis 444, 1116
Cylindrotheca sp. 136, 167, 205
Cymbella affinis 1116
Cymbella pusilla 1116
Cymbella turgidum 1116
Cynoscion regalis 036, 037, 049, 370, 371, 509, 940, 1177
Cynura sp. 255
Cyperus diandrus 1111
Cyperus esculentus 1111
Cyperus filicinus 1112
Cyprinodon variegatus 063, 349
Cyrtocalpais urecolus 082
Cystoclonium purpureum 657, 773, 1114
- D
- Dactylopodia vulgaris 411
Dasya baillouviana 1114
Decapoda 857, 859
Dendrobeania murrayana 859

- Dendryphiella arenaria* 799, 1113
- Dendryphiella salina* 799, 1113
- Deocheilocaris typica* 255
- Derbesia marina* 1114
- Dermochelys coriacea* 368, 886
- Derocheilocaris typica* 255
- Desmarestia aculeata* 1114
- Desmarestia viridis* 657, 773, 1114
- Desmotrichum undulatum* 1114
- Detonula confervacea* 141, 189, 208, 291, 427, 650, 798, 1117
- Detonula pumila* 1117
- Diaphanoeca grandis* 151
- Diastylis quadrispinosa* 857, 859, 937
- Diastylis sculpta* 857, 859, 937, 947
- Diastylis sp.* 937
- Dichocoenia stokesii* 097
- Dichromadora sp.* 255
- Dictyocha fibula* 265, 1117
- Dictyosiphon chordaria* 1114
- Dictyosiphon foeniculaceus* 1114
- Dictyosporium pelagicum* 799, 1113
- Digitatispora marina* 799, 1113
- Dimerogramma minor* 1116
- Dinobryon balticum* 1117
- Dinobryon sp.* 444
- Dinophysis acuminata* 220, 265, 1117
- Dinophysis acuta* 220
- Dinophysis caudata* 1117
- Dinophysis norvegica* 220, 1117
- Dinophysis rotundata* 1117
- Dinophysis spp.* 136, 167, 427
- Dinophysis tripos* 220
- Diopatra cuprea* 271, 937
- Diploneis bombus* 1116
- Diploneis crabro* 1116
- Diploneis didyma* 461, 617, 1116
- Diploneis fusca* 1116
- Diploneis pseudovalis* 1116
- Diploneis smithii* 461, 617, 1116
- Diploneis stroemi* 461, 617, 1116
- Diploneis vetula* 1116
- Diplopeltopsis minor* 136, 167
- Diplopsalis lenticula* 265
- Diploria labyrinthiformes* 097
- Diploria strigosa* 097
- Discomycetes* 799
- Discosphaera tubifera* 265

- Dissodinium pseudolunula 1117
- Distephanus speculum 265, 1117
- Distichlis spicata 669, 708, 837, 839, 891, 1011, 1013, 1084, 1111, 1112
- Ditylum brightwelli 035, 040, 191, 208, 265, 427, 650, 898
- Ditylum brightwellii 1117, 1203
- Doliioletta gegenbauri 942
- Doliolium nationalis 942
- Doratomyces sp. 799
- Dorylaimidae 255
- Dorylaimus sp. 255
- Drechslera halodes 1113
- Drilonereis longa 857, 859, 937, 947
- Drilonereis magna 937
- Dumontia contorta 657, 773, 1114
- Dunaliella sp. 1117
- Dunaliella tertiolecta 095, 696, 733, 834
- Dunaliellaceae 223, 1004
- Dyopedos monocantha 937
- Dyopedos porrecta 859
- E**
- Ebria tripartita 265, 427, 1117
- Echinarachnius parma 857, 937
- Echinodermata 857, 859, 937, 1118
- Ectocarpus confervoides 657, 773
- Ectocarpus fasciculatus 1114
- Ectocarpus siliculosus 1114, 1115
- Edotea montosa 859, 947
- Edotea tribola 054, 937
- Edwardsia (elegans) 857, 859
- Edwardsia lineata 031
- Edwardsia sipunuculoides 947
- Edwardsia sp. 937
- Egretta thula 1124
- Elachista chondrii 1114
- Elachista fucicola 657, 773, 1114
- Elalmopus levis 947
- Elymus arenarius 919
- Elymus mollis 919
- Elymus virginicus 919, 1112
- Emiliana huxleyii 265
- Enchelyopus cimbrius 049, 502, 1177
- Enchytracidae 255
- Endophragma hyalosperma 799
- Engraulidae 049
- Enhydrosoma baruchi 411
- Enoplidae 255
- Enoplolaimus sp. 255

- Ensis directus* 114, 271, 859, 937, 947
- Ensis minor* 516
- enterococci 295, 810, 842
- Enteromorpha* 1173
- Enteromorpha ahlneriana* 1114
- Enteromorpha clathrata* 1114
- Enteromorpha compressa* 1114
- Enteromorpha flexuosa* 1114, 1115
- Enteromorpha intestinalis* 657, 773, 911, 1114, 1115
- Enteromorpha linza* 1114
- Enteromorpha plumosa* 563, 911
- Enteromorpha prolifera* 911, 1114
- Enteromorpha* sp. 847
- Enteromorpha* spp. 192, 730, 1096, 1097
- Entomoneis alata* 617, 1116
- Entomoneis gigantea* 617, 1116
- Entomoneis paludosa* 1116
- Entomoneis pulchra* 617, 1116
- Entomoneis similis* 617, 1116
- Epicladia flustrae* 1114
- Epithemia turgida* 1116
- Epitonium* sp. 947
- Equisetum hyemale* 1112
- Erichthonius rubricornis* 857, 937
- Eriopisa elongata* 937
- Erythrotrichia carnea* 1114
- Escherichia coli* 295, 810, 842, 1130, 1146
- Eteone flava* 937
- Eteone heteropoda* 054, 114, 416
- Eteone lactea* 857, 937
- Eteone longa* 126, 859
- Eualus pusiolus* 937
- Eucampia zodiacus* 265, 650, 1117
- Euchaeta marina* 762
- Euchone elegans* 857, 937
- Euclymene* sp. 859
- Eudendrium* sp. 859
- Eudesme virescens* 1114
- Eudorella emarginata* 859
- Eudorella pusilla* 937
- Eudorella* sp. 857
- Eudorella truncatula* 857
- Euglena proxima* 1117
- Euglena* spp. 1117
- Euglenid* sp. 167
- Eumida sanguinea* 947
- Eumida sanquinea* 937
- Eunotogramma marinum* 1116
- Euphorbia polygonifolia* 1111
- Eupleura caudata* 238, 947

- Euplotes* sp. 462
Eurytemora affinis 455, 1007
Eurytemora herdmani 349, 447, 480, 807, 942
Eurytemora sp. 942
Eurytemora spp. 017, 103
Euthynnus alletteratus 509
Eutintinnus pectinis 214, 1089
Eutintinnus sp. 214, 1089
Eutreptia scotica 1117
Eutreptiella hirudoidea 1117
Eutreptiella sp. 1117
Evadne nordmanni 427, 942
Evadne spinifera 942
Exogone dispar 937
Exogone hebes 937
Exogone naidina 937
Exogone verugera 947
- F**
- Fabriciinae* sp. 857
Favella ehrenbergii 288
Favella sp. 069, 194, 214, 1089, 1107
Favia fragum 097
Fibrocapsa japonica 427, 586, 1117
Flavobacterium 769
Florida caerulea 1124
- Foraminifera* 224, 271, 1017
Fosliella farinosa 1114
Fragilaria hyalina 1116
Fragilaria virescens 1116
Fritillaria borealis 942
Frustulia rhomboides 1116
Fucus distichus 278
Fucus edentatus 278
Fucus evanescens 1114
Fucus sp. 847
Fucus spiralis 1114
Fucus vesiculosus 278, 309, 623, 657, 693, 772, 773, 911, 1114, 1115
Fundulus heteroclitus 037, 120, 509, 844, 940, 1177
Fundulus majalis 037, 940, 1177
- G**
- Gadidae* 049
Gadus morhua 036, 037, 049, 294, 370, 371, 509, 619, 858, 928, 1177
Gammarus mucronatus 054, 416
Gasterosteidae 049
Gasterosteus aculeatus 037, 049, 458, 847, 940
Gasterosteus wheatlandi 847
Gastropoda 857, 937
Gavia immer 570, 748

- Gavia stellata* 570
Gelidium pusillum 1114
Gemma gemma 1006, 1052
Gerardia maritima 903
Geukensia demissa 1085, 1104
Geukensia demissus 516
Giffordia granulosa 1114
Giffordia mitchelliae 1114
Giffordia ovata 1114
Giffordia secunda 1114
Gigartina stellata 911
Gigaspora calospora 505, 801
Gigaspora erythropha 505, 801
Gigaspora gigantea 505, 801, 1111
Gigaspora pellucida 505, 801
Gigaspora persica 505, 801
Glaucium flavum 1112
Glaucium flavun 903
Glenodinium lenticula 265
Gloiosiphonia capillaris 1114
Glomus aggregatum 1111
Glomus butleri 801
Glomus fasciculatum 801, 1111
Glomus microaggregatum 1111
Glomus occultum 801, 1111
Glomus pustulatum 1111
Glottidea pyramidata 840
Glycera americana 271, 305, 859, 937, 947
Glycera dibranchiata 857
Glycinde solitaria 947
Glyptocephalus cynoglossus 049, 294
Gnaphalium obtusifolium 1111
Gobiidae 049
Gobiosoma bosci 881, 1065
Gobiosoma ginsburgi 041, 049, 458, 881, 1065
Gomontia polyrhiza 1114
Goniada brunnea 937
Goniada maculata 937
Goniadella gracilis 937
Gononema aecidioides 1114
Gonyaulax birostris 265
Gonyaulax diacantha 265
Gonyaulax digitale 1117
Gonyaulax excavata 1172
Gonyaulax polyedra 1117
Gonyaulax polygramma 265
Gonyaulax sp. 265, 1117
Gonyaulax tamarensis 135, 417, 692, 1172
Gracilaria tikvahiae 096, 192, 309, 563, 697, 797, 834, 911, 1096, 1097, 1114, 1115
Grammatophora angulosa 1116
Grammatophora marina 1116

- Graphium sp. 799
- Griffithsia globulifera 1114
- Grinnellia americana 1114
- Guenkensis desmissus 840
- Guinardia flaccida 265, 1117
- Gymnodiniaceae 136, 167, 205
- Gymnodiniaceans 427
- Gymnodinium abbreviatum 1117
- Gymnodinium microadriaticum
080, 802
- Gymnodinium nelsoni 692
- Gymnodinium sp. 650, 766
- Gymnodinium splendens 136,
167, 265, 1117
- Gymnodinium spp. 1117
- Gymnogongrus griffithsiae
1114
- Gymnophallus bursicolor 843
- Gyrodinium aureolum 1117
- Gyrodinium sp. 136, 167, 205
- Gyrodinium spirale 1117
- Gyrodinium spp. 1117
- Gyrodinium uncatenum 265,
1117
- Gyrosigma attenuatum 1116
- Gyrosigma balticum 617, 1116
- Gyrosigma fasciola 461, 617,
1116
- Gyrosigma febigeri 1116
- Gyrosigma spenceri 1116
- Gyrosigma tenuisimum 1116
- Gyrosigma wansbeckii 1116
- H
- Halacarellus capuzinus 255
- Halacarellus subterraneus 255
- Halacarida 224
- Halcampa duidecimcirrata 857
- Halecium sp. 857
- Haliclona sp. 857
- Haligena amicta 1113
- Haligena elaterophora 799,
1113
- Haligena spartinae 799, 1113
- Halonectria milfordensis 799,
1113
- Halosphaeria appendiculata
799, 1113
- Halosphaeria hamata 799, 1113
- Halosphaeria maritima 799
- Halosphaeria mediosetigera
799
- Halosphaeria pilleata 799,
1113
- Halosphaeria quadriremis 799,
1113
- Halothrix lumbricalis 1114
- Haploscoloplos robustus 937
- Harmothoe extenuata 857, 937,
947
- Harmothoe imbricata 271, 857,
937

- Harpacticoid spp. 942
- Harpacticoida 224
- Harpacticus gracilis 942
- Harpacticus sp. 942
- Harpinia cruncata 859
- Harpinia propinqua 857, 859, 937
- Hartmania moorei 937
- Harveyella mirabilis 1114
- Hecatonema foecundum 1114
- Hecatonema terminale 1114
- Helgolandinium subglobosum 1117
- Helicoon sessile 799
- Helicosphaera carteri 265
- Helicosporium sp. 799
- Helicostomella fusiformis 288
- Helicostomella subulata 214, 288, 1089
- Hemiaulus sinensis 265, 1117
- Hemichordata 937, 1118
- Hemicyclops sp. 942
- Hemidiscus cuneiformis 265
- Hemiselmis sp. 1117
- Hemitripteris americanus 036, 037
- Heracleum lanatum 1112
- Hermesinum adriaticum 1117
- Hesionidae sp. 937
- Hesperis matronalis 901
- Heterocapsa pygmaea 692
- Heterocapsa sp. 069, 766
- Heterocapsa triquetra 136, 167, 205, 265, 427, 650, 1117
- Heteromastus filiformis 054, 416
- Heteronema acus 1117
- Heterosporium sp. 799
- Hibiscus moscheutos 1112
- Hierochloe odorata 758, 761, 1111, 1112
- Hildenbrandia rubra 618, 657, 773, 1114
- Hildenbrantia sp. 911
- Hippoglossoides platessoides 049, 294
- Hippomedon propinquus 857
- Hippomedon serratus 857, 859
- Hippoporina sp. 859
- Homarus americanus 007, 012, 036, 037, 039, 052, 172, 218, 266, 346, 389, 393, 394, 395, 400, 524, 525, 526, 527, 528, 529, 530, 531, 532, 621, 633, 678, 740, 746, 779, 808, 812, 813, 825, 826, 829, 830, 831, 845, 858, 1010, 1121, 1140
- Honckenya peploides 916, 1112
- Hosbonia florida 416
- Hudsonia ericoides 887
- Hudsonia tomentosa 887, 1111
- Humicola alopallonella 799, 1113

- Humicola grisea* 799
Hummia onusta 1114
Hydroides dianthus 271
Hydromedusae sp. 942
Hydrozoa 857, 859, 937
Hydrozoan sp. 859
Hypaniola grayi 054
Hypnea musciformis 911, 1096, 1097, 1114, 1115
Hypodontolaimus sp. 255
- I
- Idotea balthica* 947
Ilex illecebrosus 1177
Illex illecebrosus 052, 294
Ilyanassa obsoleta 685, 711, 803, 804
Impatiens capensis 1111
Ischroceros anquipes 937
Isochrysis galbana 079, 162, 168
Isochrysis sp. 069, 1117
Isopoda 857, 859
Iva frutescens 791, 837, 894, 1111, 1112
Iva oraria 894
Ixodes dammini 1127
- J
- Janiralata* sp. 937
Janua pseudocorrugata 772
Jassa falcata 947
Jassa pelagica 997
Juncus gerardi 1011, 1084, 1111
Juncus gerardii 837, 1112
Juncus greenei 1111
- K
- Katodinium rotundatum* 136, 167, 205, 265, 650, 1117
Kinorhyncha 224
Klebsiella rhinoscleromatis 775
Kochia scoparia 754, 1112
Kochia sp. 906
Kornmannia leptoderma 1114
- L
- Labidocera aestiva* 942
Labridae 049
Lacuna vincta 668, 772
Laminaria digitalis 278
Laminaria digitata 657, 668, 773, 776, 1114
Laminaria longicuris 1114
Laminaria saccharina 123, 278, 309, 623, 657, 668, 773, 776, 911, 1114
Laonice cirrata 857, 859, 937
Laonome kroyeri 937

- Larus argentatus* 570, 748, 836, 1124
- Larus marinus* 570, 1124
- Larus philadelphia* 570
- Lathyrus japonicus* 892, 1111, 1112
- Lauderia annulata* 1117
- Leanira tetragona* 937
- Leathesia difformis* 657, 773, 1114
- Lechea maritima* 1111, 1112
- Lechea minor* 1111
- Lentescospora submarina* 799
- Lepidochelys kempii* 886
- Lepidonotus squamatus* 937
- Leptocheirus pinguis* 114, 857, 859, 937, 997
- Leptocuma minor* 857
- Leptocylindrus danicus* 064, 136, 167, 205, 260, 265, 444, 650, 694, 991, 992, 993, 1093, 1095, 1117
- Leptocylindrus mediterraneus* 1117
- Leptocylindrus minimus* 136, 167, 189, 205, 265, 427, 650, 1117
- Leptolaimidae* 255
- Leptosphaeria albopunctata* 799, 1113
- Leptosphaeria contecta* 799, 1113
- Leptosphaeria discors* 799
- Leptosphaeria halima* 799, 1113
- Leptosphaeria marina* 1113
- Leptosphaeria obiones* 1113
- Leptosphaeria oraemaris* 799, 1113
- Leptosphaeria pelagica* 1113
- Leptosynapta* sp. 271
- Leucon americana* 947
- Leucosporidium capsuligenum* 1113
- Liatris scariosa* 1112
- Libinia dubia* 052, 236, 678, 947
- Libinia emarginata* 036, 037, 052, 271, 678
- Libinia* spp. 812
- Licmophora abbreviata* 1116
- Licmophora communis* 1116
- Licmophora fabellata* 265, 1116
- Licmophora gracilis* 1116
- Licmophora hyalina* 1116
- Licmophora paradoxa* 265, 1116
- Lignincola laevis* 799, 1113
- Ligusticum scothicum* 880
- Limanda ferruginea* 049, 294, 502, 619, 846
- Limonium carolinianum* 882, 1112
- Limosella aquatica* 747

- Limosella australis* 1112
Limosella subulata 747
Limulus polyphemus 036, 037, 052, 707
Linina emarginata 238
Liopsetta putnami 789
Liparis 619
Liparis atlanticus 049
Liparis loeselii 1112
Ligusticum scoticum 1112
Listriella barnardi 947
Lithodesmium undulatum 410, 427, 650, 1117
Littorina littorea 089, 236, 614, 618, 657, 772, 773, 1012
Loimia medusa 937
Loligo pealei 036, 037, 052, 093, 199, 207, 294, 423, 488, 509, 1177
Lomentaria baileyana 1114
Lomentaria clavellosa 1114
Lomentaria orcadensis 1114
Lomentaria orchadensis 657, 773
Longipedia americana 411
Longipedia helgolandica 447
Lophiidae 049
Lophius americanus 036, 037, 049, 294
Lopholatilus chamaeleonticeps 294
Lulworthia sp. 1113
Lulworthia spp. 799
Lumbricidae 255
Lumbriclymene cylindricauda 859
Lumbrinereis fragilis 114
Lumbrinereis tenuis 947
Lumbrinerides acuta 937
Lumbrineris fragilis 271, 857, 859, 937
Lumbrineris tenuis 857, 859, 937
Lunatia heros 238
Lunatia triseriata 937
Lyonsia hyalina 937, 947
Lysimachia terrestris 1111

M
Macoma balthica 416, 516
Macoma tenta 270, 271, 416, 947
Macrophoma sp. 799
Macrophoma spp. 1113
Macrozoarces americanus 036, 037, 052, 166, 294, 509, 792, 1177
Madracis decactis 097
Maera danae 937
Malacostraca 857
Maldanid sp. 859
Maldanidae 114

- Maldanopsis elongata* 114, 270, 947
Manicina areolata 097
Marphysa belli 937
Massartia rotundata 427
Massartia rotundatum 586
Mastocarpus stellatus 657, 773, 1114
Mastogloia braunii 1116
Mastogloia exigua 1116
Mastogloia pusilla 617, 1116
Mastogloia smithii 1116
Mediomastis sp. 286
Mediomastus ambiseta 054, 114, 224, 271, 292, 323, 408, 416, 427, 536, 671, 738, 937, 947, 997, 1016, 1017
Mediomastus sp. 489
Melampus bidentatus 647
Melanogrammus aeglefinus 049, 294, 619, 1177
Melita dentata 937
Melobesia membranacea 1114
Melosira moniliformis 1116
Melosira nummuloides 1116
Menidia beryllina 349, 479, 620
Menidia menidia 036, 037, 045, 049, 086, 177, 282, 349, 458, 479, 509, 620, 649, 940, 1177
Menisporella sp. 799
Menticirrhus saxatilis 036, 037, 049, 1177
Mercenaria campechiensis 591
Mercenaria mercenaria 042, 062, 081, 105, 107, 110, 114, 122, 126, 131, 143, 170, 236, 238, 239, 266, 269, 277, 286, 290, 317, 322, 345, 362, 404, 431, 437, 459, 473, 502, 514, 516, 535, 556, 591, 598, 600, 686, 730, 732, 763, 805, 840, 934, 944, 946, 947, 997, 1003, 1090
Mercenaria sp. 1016
Meringosphaera mediterranea 082
Merluccius albidus 619
Merluccius bilinearis 036, 037, 049, 052, 166, 294, 389, 509, 619, 792, 940, 1177
Mesocena polymorpha 1117
Mesodinium rubrum 766
Metacylis angulata 214
Metacylis annulifera 214, 288, 1089
Metridia lucens 942
Metridium senile 123, 366, 488, 840, 859, 937
Microarthridion littorale 411
Microciona sp. 1016
Microgadus tomcod 037, 509, 940
Micromonas pusilla 682, 1117
Microphthalmus aberrans 937
Microsetella norvegica 942

- Microthelia linderi* 799, 1113
Microtus pennsylvanicus 669, 839, 1127
Micrura sp. 857, 859
Miniduscus trioculatus 1117
Minutocellus polymorphus 860, 1117
Minutocellus sp. 427, 766
Mirabilis nyctaginea 1112
Mitrella lunata 937, 947
Mnemiopsis leidyi 031, 134, 191, 229, 261, 427, 480, 482, 586, 652, 762, 942, 944, 946
Modiolus modiolus 686, 855, 856, 937, 1104
Mogula sp. 1016
Molgula manhattensis 271, 1167
Molgula sp. 937
Mollusca 857, 859, 937, 947, 1118
Monas gracilis 109, 151
Monas sp. 151, 1015
Monhystera sp. 255
Monhysteridae 255
Monochidae 255
Monochus sp. 255
Monodictys pelagica 799, 1113
Monosiga micropelagica 151
Monostroma grevillei 1114
Monostroma oxyspermum 1114
Monostroma pulchrum 657, 773
Montastrea annularis 097
Montastrea cavernosa 097
Morone americana 037, 509, 940, 1177
Morone saxatilis 083, 370, 371, 413, 509, 664, 815, 909, 1031, 1070, 1106, 1177
Mulinia lateralis 054, 114, 126, 224, 416, 536, 738, 937, 947, 997, 1016
Musculus corrugatus 937
Mustelus canis 036, 037, 1177
Mya arenaria 058, 126, 173, 236, 315, 459, 473, 516, 591, 609, 667, 730, 768, 848, 859, 1104, 1134, 1181
Myoxocephalus aeneus 036, 037, 940
Myoxocephalus aeneus 1177
Myoxocephalus octodecemspinosus 036, 037, 052
Myoxocephalus spp. 049
Myriactula minor 1114
Myrica pensylvanica 892, 1111
Myriochele heeri 937
Myrionema corunnae 1114
Myrionema magnusi 1114
Myrionema strangulans 1114
Myriotrichia clavaeformis 1114
Mysella planulata 937
Mysidacea 859

- Mysidopsis bahia* 349, 827
Mysidopsis bigelowi 827
Mytilus californianus 930
Mytilus edulis 006, 020, 038, 062, 105, 123, 130, 159, 173, 220, 236, 266, 269, 277, 279, 292, 314, 315, 392, 427, 488, 586, 591, 600, 632, 663, 675, 717, 732, 745, 805, 840, 843, 849, 855, 856, 860, 865, 918, 930, 937, 944, 946, 947, 1002, 1064, 1090, 1098, 1099, 1100, 1104, 1137
- N**
- Nais inornata* 799, 1113
Nannochloris atomus 265
Nannochloris sp. 1117
Nannochloris spp. 126, 1073
Nassarius obsoletus 280
Nassarius trivittatus 054, 114, 270, 416, 857, 937, 947
Navicula agnita 461, 617, 1116
Navicula ammophila 461, 571, 617, 1116
Navicula atlantica 1116
Navicula bahusiensis 461, 617, 1116
Navicula complanata 617, 1116
Navicula cruciculoides 617, 1116
Navicula crucigera 1116
Navicula cryptocephala 461, 617, 1116
Navicula digito-radiata 461, 617, 1116
Navicula directa 461, 617, 1116
Navicula diserta 1116
Navicula dissipata 461, 617, 1116
Navicula distans 1116
Navicula finmarchica 1116
Navicula flanatica 461, 617, 1116
Navicula forcipata 461, 617, 1116
Navicula gregaria 461, 571, 617, 1116
Navicula grevillei 1116
Navicula heufleri 1116
Navicula inflexa 1116
Navicula lyra 1116
Navicula maculata 1116
Navicula menisculus 1116
Navicula ostrearia 1116
Navicula palpebralis 265
Navicula peregrina 461, 571, 617, 1116
Navicula platyventris 1116
Navicula plicata 461, 617, 1116
Navicula pseudocrassirostris 461, 571, 617, 1116
Navicula punctulata 1116
Navicula ramosissima 1116

- Navicula rhynchocephala* 461, 617
- Navicula rhynchocephala* 1116
- Navicula salinarum* 1116
- Navicula* sp. 265, 291, 387
- Navicula spicula* 461, 617, 1116
- Navicula* spp. 126, 1073
- Navicula tumida* 1116
- Navicula tuscula* 1116
- Navicula vara* 1116
- Navicula varrensis* 461
- Navicula viridula* 1116
- Navicula vittata* 1116
- Navicula yarrensis* 617, 1116
- Navisolonia aprilei* 082
- Nectria* sp. 799
- Nemalion helminthoides* 1114
- Nematoda* 224, 857
- Nematoda* sp. 857
- Nemertinea* 1118
- Neoagardhiella baileyi* 309
- Neochromadora* sp. 255
- Neomysis americana* 292, 859, 937, 947
- Neomysis* sp. 1016
- Neopanope sayi* 140, 238, 947
- Neopanope texana* 054, 114, 271
- Nephroselmis rotunda* 1117
- Nephroselmis* sp. 1117
- Nephtys bucera* 937
- Nephtys caeca* 937
- Nephtys incisa* 054, 114, 270, 271, 284, 305, 416, 449, 857, 859, 864, 937, 947, 997, 1105
- Nephtys picta* 857, 937
- Nephtys* sp. 1016
- Nereis accuminata* 859
- Nereis diversicolor* 937
- Nereis grayi* 857, 859, 937
- Nereis succinea* 054, 416, 937
- Nereis virens* 104, 126, 271, 1073
- Nereis zonata* 937
- Nia vibrissa* 799
- Nia vibrissea* 1113
- Nicolea venustula* 937
- Ninoe nigripes* 114, 270, 271, 416, 857, 859, 937, 947
- Nitzschia acuminata* 1116
- Nitzschia amphioxys* 1116
- Nitzschia angularis* 461, 617, 1116
- Nitzschia bilobata* 1116
- Nitzschia closterium* 650
- Nitzschia communis* 1116
- Nitzschia dissipata* 461, 617, 1116

- Nitzschia frustulum* 461, 617, 1116
- Nitzschia gandersheimensis* 461, 617, 1116
- Nitzschia granulata* 1116
- Nitzschia hybridaeformis* 1116
- Nitzschia kutzingioides* 461, 617, 1116
- Nitzschia laevis* 1116
- Nitzschia linnearis* 1116
- Nitzschia longissima* 410, 617, 1116
- Nitzschia lorenziana* 1116
- Nitzschia panduriformis* 1116
- Nitzschia parvula* 1116
- Nitzschia plana* 1116
- Nitzschia proxima* 1116
- Nitzschia pseudodelicatissima* 1117
- Nitzschia pseudohybrida* 1116
- Nitzschia pungens* 136, 167, 205, 265, 410, 1116, 1117
- Nitzschia seriata* 265, 427, 650, 1117
- Nitzschia sigma* 461, 617, 1116
- Nitzschia sigmoidea* 1116
- Nitzschia sp.* 265
- Nitzschia spathulata* 265, 461, 617, 1116
- Nitzschia vanhoeffenii* 1116
- Nitzschia vermicularis* 1116
- Noctiluca miniaris* 265
- Notocirrus spiniferous* 271
- Novaquestra trifurcata* 937
- Nucula annulata* 054, 105, 114, 128, 224, 270, 271, 292, 323, 416, 536, 738, 947, 997, 1016, 1017
- Nucula delphinodonta* 937
- Nucula proxima* 857, 859, 937
- Nucula sp.* 286
- Nucula tenuis* 859
- Nycticorax nycticorax* 308, 1124
- Nymphon grossipes* 937
- O
- Obelia sp.* 942
- Oceanites oceanicus* 570
- Ochromonas sp.* 082, 1117
- Oculina diffusa* 097
- Oculina varicosa* 097
- Odontaspis taurus* 509
- Odontella sinensis* 1117
- Odostomia summeri* 937
- Oedogonium spp.* 1115
- Oikopleura dioca* 920
- Oikopleura sp.* 942
- Oithona colcarva* 103, 444, 447
- Oithona similis* 444, 447

- Oithona sp. 427, 764, 942
Oithona spinirostris 942
Oithona spp. 480, 481
Oligochaeta 937
Olisthodiscus luteus 068,
069, 135, 136, 167, 194, 205,
214, 243, 245, 246, 247, 265,
427, 650, 733, 766, 1089, 1117
Oltmannsiella lineata 223
Oltmannsiella sp. 427, 1004
Oltmannsiella virida 223,
696, 1117
Oltmannsiellopsis geminata
1004
Oltmannsiellopsis unicellularis
1004
Oltmannsiellopsis viridis
1004
Oncea sp. 942
Onchidoris aspersa 937
Oncholaimidae 255
Opephora martyi 1116
Ophelia bicornis 937
Ophelina accuminata 857, 859,
937
Ophichthidae 049
Ophioglycera gigantea 857
Ophiopholis aculeata 859
Opsanus tau 036, 037, 509,
833, 940, 1177
Orbimyces spectabilis 799,
1113
Orbinia swani 937
Orchomenella groenlandica 859
Orchomonella minuta 937
Orchomonella pinquis 937
Osmeridae 049
Osmerus mordax 037, 049, 940,
1177
Ostracoda 224
Ostrea edulis 1104
Ostrea equestris 930
Ovalipes ocellatus 238, 271
Owenia fusiformis 857, 937
Oxyrrhis marina 1117
P
Pagurus arcuatus 937
Pagurus longicarpus 029, 114,
271, 670, 937, 947, 1010
Palaemonetes pugio 1010, 1173
Palaemonetes vulgaris 281
Palcopecten magellanicus 1104
Palmaria palmata 1114
Palmeria malmata 911
Pandalus borealis 294
Pandora gouldiana 114, 271,
937, 947, 997
Panicum virgatum 669, 879,
1111, 1112
Panopeius herbstis 238
Panopeus herbstii 1010

- Papaver sp. 903 427
- Papulaspora halima 1113 Parthenocissus quinquefolia 1111
- Papulospora halima 799
- Papulospora sp. 799 Parvocalanus crassirostris 103, 480, 942
- Paracalanus crassirostris 942 Parvocalanus sp. 444
- Paracalanus parvus 480, 942 Paulinella ovalis 681
- Paracaprella tenuis 937 Paulownia tomentosa 1112
- Paracyatholaimus sp. 255 Paulsenella chaetoceratis 1117
- Parafavella sp. 214, 288, 1089 Pavlova gryrans 1117
- Paraleptastacus spinicauda bisetosus 255 Pavlova gyrans 095
- Paralia sulcata 265, 1117 Pavlova lutheri 095, 349
- Paralichthys dentatus 036, 037, 049, 294, 370, 371, 509, 619, 940, 990, 1177 Pavlova sp. 1117
- Paralichthys oblongus 036, 037, 049, 1177 Pectinaria gouldii 271, 947
- Paranaitis speciosa 859, 937 Pectinaria sp. 1016
- Paraonides lyra 937 Pedinomonas minor 1117
- Paraonis gracilis 857, 937 Pelecypoda 859, 937
- Paraphoxus epistomus 937 Pelia mutica 937
- Paraphoxus spinosus 947 Penilla avirostris 942
- Paraphysomonas imperforata 151, 1015 Pentamera pulcherrima 947
- Paraphysomonas sp. 1117 Peprilus burti 1177
- Parapionosyllis longicirrata 937 Peprilus triacanthus 031, 036, 037, 049, 052, 294, 458, 858, 940
- Parategastes sphaericus 942 Peranemopsis sp. 151
- Pardococcus sp. 427 Percursaria percursa 1114
- Pardocossus anorexifferans Periconia prolifica 799, 1113
- Peridinium sp. 650

- Peridinium spp. 136, 167, 444
- Periploma fragile 857
- Periploma fragilis 937
- Periploma papyratium 859, 947
- Peromyscus leucopus 1127
- Petalonia fascia 657, 773, 1114
- Petricola pholadiformis 271, 516, 840, 937, 947
- Phaeocystis poucheti 292
- Phaeocystis pouchetii 650, 1117
- Phaeocystis pouchetti 434
- Phaeocystis scrobiculata 082
- Phaeodactylum triconutum 095
- Phaeophyceae 309
- Phaeosphaeria typharum 1113
- Phalacrocorax auritus 570, 748
- Phalacrocorax carbo 308, 570
- Phascolion strombi 937
- Pherusa affinis 271, 857, 859, 937, 947
- Pholidae 049
- Pholis gunnellus 049
- Pholoe minuta 416, 857, 937, 947
- Phoma sp. 799
- Phoma spp. 1113
- Phoronida 937
- Phoronis psammophila 937
- Phoronis sp. 947
- Photis dentata 857, 937
- Photis macrocoxa 859, 937
- Phoxocephalus holbilli 937
- Phoxocephalus holbolli 857, 859
- Phragmites australis 1111, 1112
- Phragmites sp. 904
- Phycodrys rubens 1114
- Phyllangia americana 097
- Phyllodoce arenae 857, 947
- Phyllodoce (mucosa) 857, 937
- Phyllophora pseudoceranoidea 1114
- Phyllophora traillii 1114
- Phyllophora truncata 1114
- Phymatolithon laevigatum 1114
- Phymatolithon lenormandii 1114
- Phymatolithon polymorphum 1114
- Pichia ohmeri 1113
- Pilayella littoralis 1114, 1115
- Pinnixa chaetoptera 271, 937, 947
- Pinnixa sayana 937
- Pinnotheres maculatus 937
- Pinnotheres ostereum 947

- Pinnularia ambigua* 1116
Pinnularia rectangulata 1116
Pisione remota 937
Pitar morrhuana 105, 107, 114, 271, 286, 416, 857, 859, 937, 947
Pitar sp. 1016
Placopecten magellanicus 115, 173, 312, 315, 502, 508, 676, 739, 1108
Plagiogramma brockmanni 1116
Plagiogramma minimum 1116
Plagiogramma staurophorum 265, 1116
Plagiotropis gibberula 1116
Plagiotropis lepidoptera 617, 1116
Plagiotropis seychellensis 617, 1116
Plagiotropis vitrea 617, 1116
Plantago juncooides 885, 1111
Plantago maritima 1112
Platyhelminthes 857, 937, 1118
Platyhelminthes sp. 857
Plegadis fulcinellus 1124
Pleonosporium borreri 1114
Pleospora herbarium 799
Pleospora pelagica 1113
Pleospora sp. 799, 1113
Pleuromamma abdominalis 762
Pleuromonas jaculans 151
Pleuronectidae 049
Pleurosigma angulatum 265, 617, 1116
Pleurosigma elongatum 617, 1116
Pleurosigma formosum 1116
Pleurosigma intermedium 1116
Pleurosigma normani 265
Pleurosigma salinarum 461, 617, 1116
Pleurosigma sp. 265
Pleurosigma strigosum 1116
Pluchea odorata 1112
Pluchea purpurascens 904
Plumaria elegans 1114
Pneophyllum lejolisii 1114
Podarke obscura 947
Podocystis adriatica 1116
Podon polyphemoides 942
Podon sp. 427, 447, 942
Pogotrichum filiforme 1114
Polinices duplicatus 238, 271, 806
Polinices heros 947
Pollachius virens 049, 294, 509
Polychaeta 224, 857, 859, 937, 947
Polycirrus eximius 054, 114, 416, 937

- Polycirrus sp. 947
- Polydora caulleryi 937
- Polydora ligni 054, 114, 224,
323, 416, 536, 937, 947, 997,
1017, 1052
- Polydora socialis 937
- Polygonella articulata 1112
- Polygonum hydropiperoides
1111
- Polygonum opelousanum 1111
- Polygonum pensylvanicum 1111
- Polygonum prolificum 755
- Polygonum punctatum 1111
- Polygonum ramosissimum 755,
1112
- Polygonum sagittatum 1111
- Polygonum scandens 1111
- Polygordius triestinus 937
- Polyides rotundus 1114
- Polykrikos schwarzii 1117
- Polymastia robusta 857
- Polynoidae sp. 937
- Polysiphonia denudata 1114
- Polysiphonia elongata 1114
- Polysiphonia fibrillosa 1114
- Polysiphonia harveyi 1096,
1097, 1114
- Polysiphonia lanosa 693, 1114
- Polysiphonia nigra 1114
- Polysiphonia nigrescens 1114
- Polysiphonia novae-angliae
1114
- Polysiphonia spp. 657, 773
- Polysiphonia subtilissima
1114
- Polysiphonia urceolata 1114
- Pomatomidae 049
- Pomatomus saltatrix 036, 037,
049, 294, 370, 371, 509, 940,
1177
- Pomolobus aestivalis 1177
- Ponolobus aestivalis 509
- Porifera 857, 937, 1118
- Porites astreoides 097
- Porites divaricata 097
- Porites porites 097
- Porosira glacialis 1117
- Porphyra leucosticta 1114
- Porphyra miniata 1114
- Porphyra sp. 911
- Porphyra umbilicalis 657,
773, 1114
- Porphyrostromium ciliare 1114
- Potamilla reniformis 937
- Potamogeton panormitanus 1115
- Potamogeton pectinatus 1097,
1115
- Potamogeton perfoliatus 1097,
1115
- Potamogeton sp. 192
- Potentilla anserina 1112

- Prasinophyceae 682, 689
- Prasiola stipitata 1114
- Pringsheimiella scutata 1114
- Prionospio (malmgreni) 857
- Prionospio steenstrupi 224, 937
- Prionotus carolinus 036, 037, 052, 509, 940, 1177
- Prionotus evolans 036, 037, 940, 1177
- Prionotus spp. 049
- Prionotus triacanthus 509
- Proceraea cornata 937
- Proctoeces maculatus 843
- Prokelisia marginata 1084
- Prorocentrum apora 265
- Prorocentrum balticum 1117
- Prorocentrum gacile 1117
- Prorocentrum marina 136, 167
- Prorocentrum micans 136, 167, 265, 1117
- Prorocentrum minimum 136, 167, 205, 1117
- Prorocentrum redfieldii 427, 586, 650
- Prorocentrum scutellum 427, 650, 1117
- Prorocentrum triangulatum 427, 650
- Prorocentrum triestinum 136, 167, 205, 692, 1117
- Protodorvillea kefersteini 937
- Protogonyaulax tamarensis 078, 691, 1104, 1117
- Protohaustorius deichmannae 937
- Protohydra sp. 224
- Protomonostroma undulatum 1114
- Protooperidinium bipes 1117
- Protooperidinium conicum 1117
- Protooperidinium depressum 1117
- Protooperidinium excentricum 1117
- Protooperidinium granii 1117
- Protooperidinium leonis 1117
- Protooperidinium minutum 1117
- Protooperidinium oblongum 265
- Protooperidinium oceanicum 265
- Protooperidinium pellucidum 265
- Protooperidinium sp. 151, 265
- Protooperidinium spp. 1117
- Protooperidinium steinii 1117
- Prunus maritima 1112
- Prymnesium patellifera 082
- Psammonyx nobilis 937
- Pseudendoclonium submarinum 1114
- Pseudobodo tremulans 109, 151, 1015

- Pseudocalanus minutus* 017, 078, 349, 444, 447, 480, 481, 942
- Pseudocalanus* sp. 427
- Pseudodiaptomus coronatus* 017, 103, 444, 447, 536, 942
- Pseudodiaptomus* sp. 427
- Pseudomonas aeruginosa* 1146
- Pseudopedinella pyriforme* 136, 167, 205
- Pseudopedinella pyriformis* 1117
- Pseudopleuronectes americanus* 036, 037, 049, 052, 082, 085, 098, 113, 119, 166, 195, 294, 370, 371, 426, 458, 459, 486, 487, 509, 521, 585, 789, 792, 834, 835, 842, 869, 928, 940, 995, 1021, 1027, 1131, 1177
- Pterosperma* sp. 1117
- Pterothamnion plumula* 1114
- Ptilanthura tenuis* 859, 937
- Ptilimnium capillaceum* 1112
- Ptilota serrata* 1114
- Puffinus gravis* 570
- Puffinus griseus* 570
- Puffinus puffinus* 570
- Punctaria latifolia* 1114, 1115
- Pycnogonida* 937
- Pyramimonas amyliifera* 136, 167, 205, 689, 1117
- Pyramimonas* sp. 1117
- Pyramimonas* spp. 427
- Pyramimonas torta* 136, 167, 205, 650, 1117
- Pyrocystis noctiluca* 468
- Q
- Quercus robur* 1112
- R
- Raja binoculata* 294
- Raja erinacea* 036, 037, 052, 117, 294, 509, 940, 1177
- Raja laevis* 1177
- Raja radiata* 294
- Ralfsia pusilla* 1114
- Ralfsia* sp. 911
- Ralfsia verrucosa* 618, 657, 773, 1114
- Rathkea octopunctata* 942
- Renicola roscovita* 089
- Renicola thaidus* 843
- Retusa obtusa* 937
- Rhabditidae 255
- Rhabdonema adriaticum* 1116
- Rhabdonema arcuatum* 1116
- Rhadinocladia cylindrica* 1114
- Rhadinocladia farlowii* 1114
- Rhaphoneis amphiceros* 1116
- Rhincalanus nasutus* 942
- Rhithropanopeus harrisii* 416, 1010

- Rhizoclonium riparium 960, 1114
- Rhizosolenia alata 265, 1117
- Rhizosolenia calcar-avis 265, 1117
- Rhizosolenia delicatula 136, 167, 265, 427, 444, 650, 1117
- Rhizosolenia fragilissima 136, 167, 189, 205, 265, 427, 650, 1117
- Rhizosolenia hebetata 265
- Rhizosolenia imbricata 265, 1117
- Rhizosolenia pungens 1117
- Rhizosolenia setigera 189, 265, 650, 1117
- Rhizosolenia sp. 387
- Rhizosolenia spp. 189
- Rhizosolenia stolterfothii 265, 1117
- Rhizosolenia styliformis 265, 1117
- Rhodomela confervoides 1114
- Rhodomonas amphioxeia 265
- Rhodomonas baltica 349
- Rhodophyceae 309
- Rhodophysema georgii 1114
- Rhodotorula aurantiaca 1113
- Rhodotorula graminis 1113
- Rhodotorula lactosa 1113
- Rhodotorula pallida 1113
- Rhodotorula pilimanae 1113
- Rhodotorula rubra 1113
- Rhoicosphenia curvata 1116
- Rhopalodia gibberula 1116
- Rhopalodia musculus 1116
- Rhus copallina 1111
- Rhus radicans 878, 1111
- Rhynchozoela 857, 859, 937
- Rhynchozoela sp. 857
- Rhynchozoela spp. 947
- Rhynchomonas mutabilis 151
- Rhynchomonas nasuta 151
- Rhynchothalestris rufocincta 411
- Rissa tridactyla 570
- Roperia tessellata 1117
- Rosa carolina 1111
- Rosa rugosa 1111, 1112
- Rosa virginiana 1111
- Rosellinia sp. 799, 1113
- Ruppia maritima 192, 563, 583, 599, 800, 1096, 1097, 1115
- S
- Sabatia stellaris 795, 1112
- Sabella microphthalma 947
- Sabellaria vulgaris 937
- Sagitta elegans 004
- Salicornia bigelovii 1112
- Salicornia europaea 882,

- 1011, 1112
- Salicornia sp. 906
- Salicornia virginica 1112
- Salmo gairdneri 677
- Salmo salar 752
- Salsola iberica 1112
- Salsola kali 1111, 1112
- Sambucus canadensis 1111
- Saphirella sp. 017
- Sappharella sp. 447
- Sargassum filipendula 1114
- Sargassum fluitans 1114
- Sargassum natans 1114
- Sarsia tubulosa 942
- Satsola sp. 906
- Scagelia pylaisaei 1114
- Scalibregma inflatum 857, 859, 937
- Schistomeringos caeca 937
- Sciaenidae 049
- Scinaia forcellata 1114
- Scirpus americana 669
- Scirpus americanus 1111, 1112
- Scirpus cyperinus 1111
- Scirpus maritimus 907, 1112
- Scirpus robustus 1111, 1112
- Sclerocystis sp. 1111
- Sclerodactyla briareus 488
- Sclerotium rolfsii 799
- Scoelelepis squamata 937
- Scoliopleura tumida 1116
- Scoloplos acutus 857, 859, 947
- Scoloplos armiger 937
- Scoloplos robustus 054, 126, 416, 1073
- Scomber scombrus 049, 294, 370, 371, 509, 619, 850, 1177
- Scombridae 049
- Scophthalmus aquosus 036, 037, 049, 052, 294, 619, 940, 1177
- Scripsiella trochoidea 136, 167, 427, 650, 692, 1117
- Scripsiella trochoidea 205, 265
- Scutellospora calospora 1111
- Scutellospora dipapillosa 1111
- Scutellospora erythropha 1111
- Scutellospora pellucida 1111
- Scutellospora persica 1111
- Scutellospora reticulata 1111
- Scytosiphon lomentaria 657, 773, 1114, 1115
- Sebastes marinus 294
- Seirospora seirosperma 1114
- Semibalanus balanoides 289, 427
- Seriata 255

- Sesuvium maritimum* 1111
Siderastrea radians 097
Siderastrea siderea 097
Sigalion arenicola 937
Sipuncula 937
Sipunculida 1118
Skeletonema costatum 008,
 024, 031, 032, 044, 061, 067,
 068, 070, 095, 135, 136, 141,
 167, 180, 189, 191, 205, 208,
 240, 243, 245, 247, 263, 291,
 349, 363, 387, 427, 444, 468,
 650, 703, 733, 798, 936, 982,
 987, 1117
 Soleidae 049
Solemya velum 111, 947
Solenastrea hyades 097
Solidago sempervirens 892,
 899, 1111, 1112
Sonchus arvensis 1112
 Sparidae 049
Spartina 1173
Spartina alterniflora 217,
 517, 573, 669, 708, 729, 837,
 838, 882, 891, 893, 960, 986,
 994, 1011, 1012, 1013, 1014,
 1084, 1085, 1102, 1112, 1113,
 1195
Spartina caespitosa 1112
Spartina maritima 882
Spartina patens 669, 708,
 837, 839, 882, 891, 904, 919,
 1011, 1013, 1084, 1085, 1111,
 1112
Spartina pectinata 1111
Spartina x-townsendi 882
Spergularia marina 756, 1111,
 1112
Spermothamnion repens 1115
Sphacelaria cirrosa 1114
Sphacelaria radicans 1114
Sphaeroides maculatus 036,
 940, 1177
Sphaerosyllis erinaceus 937
Sphaerotrichia divaricata
 1114
Sphaerulina amicata 799
Sphoeroides maculatus 037,
 049
Spio (filicornis) 857, 937
Spiochaetopterus oculatus
 270, 271, 937, 947
 Spionidae 224
Spiophanes bombyx 857, 937
Spiophanes wigleyi 937
Spiranthes lacera 1112
Spiranthes odorata 1112
Spirogyra spp. 1115
Spirorbis borealis 937
Spirulina subsalsa 1117
Spisula solidissima 591, 852,
 857, 937, 1104
Spongomorpha aeruginosa 1114
Spongomorpha arcta 1114
Spongonema tomentosum 1114

- Spyridia filamentosa* 1114, 1115
- Squalus acanthias* 036, 037, 294, 509
- Squilla empusa* 025, 036, 037, 1183
- Stachybotrys atra* 799
- Stachys palustris* 889
- Stagonospora* sp. 799
- Stagonospora* spp. 1113
- Staphylococcus aureus* 774
- Staphylococcus epidermidis* 313
- Stauroneis amphioxys* 1116
- Stauroneis amphyoxis* 265
- Stauroneis phoenicenteron* 1116
- Stelleroidea* 857, 859
- Stemphylium maritimum* 799
- Stemphylium* spp. 1113
- Stenopleustes gracilis* 937
- Stenopleustes inermis* 937
- Stenosemella oliva* 069, 214, 288, 1089
- Stenosemella steini* 214, 288, 1089, 1107
- Stenosemella ventricosa* 214, 288, 1089, 1107
- Stenothoe minuta* 937
- Stenotomus chrysops* 036, 037, 049, 052, 187, 294, 370, 371, 486, 792, 858, 940, 1177
- Stenotomus versicolor* 509
- Stephanocoenia michelinii* 097
- Stephanopyxis palmeriana* 265, 1117
- Stephanopyxis tirris* 1117
- Stephanopyxis turris* 260
- Stereobalanus canadensis* 937
- Sterna albifrons* 1124
- Sterna dougallii* 1124
- Sterna hirundo* 1077, 1124, 1161
- Sternaspis scutata* 857, 859
- Sthenelais limicola* 857, 859, 937
- Stichaeidae 049
- Stichococcus marinus* 1114
- Stilbum* sp. 799
- Stilophora rhizodes* 1114
- Streblonema chordariae* 1114
- Streblospio benedicti* 054, 114, 323, 408, 416, 427, 439, 536, 947, 997
- Streptosyllis varians* 937
- Striaria attenuata* 1114
- Striatella interrupta* 1116
- Striatella unipunctata* 265, 1116
- Stromateidae 049
- Strophostyles helvola* 1112
- Styela clava* 123, 1167

- Stylicauda platensis* 214, 1089
- Stylochus ellipticus* 947
- Stylonema alsidii* 1114, 1115
- Suaeda americana* 906
- Suaeda linearis* 906, 1112
- Suaeda maritima* 906, 1111, 1112
- Suaeda richii* 906
- Sula bassanus* 570
- Surirella anceps* 1116
- Surirella inducat* 1116
- Surirella ovata* 461, 617, 1116
- Surirella striatula* 617, 1116
- Synapta* sp. 740
- Synechococcus* 869
- Synechococcus* sp. 082, 865, 1117
- Synedra fasciculata* 1116
- Synedra formosum* 1116
- Synedra fulgens* 1116
- Synedra pulchella* 1116
- Synedra tabulata* 1116
- Synedra undulata* 1116
- Syngnathidae* 049
- Syngnathus fuscus* 037, 049, 458, 940
- Syracosphaera pulchra* 265
- T**
- Tabellaria fenestrata* 1116
- Tanaissus liljeborgi* 937
- Tautoga onitis* 007, 036, 037, 049, 131, 172, 218, 370, 371, 458, 488, 509, 940, 1177
- Tautogolabrus adspersus* 036, 037, 049, 130, 509, 740, 772, 940, 1177
- Tellina agilis* 114, 126, 937, 947
- Tellina versicolor* 859
- Temora longicornis* 017, 444, 447, 480, 762, 942
- Terebellides stroemi* 857, 937
- Tetrachaetum* sp. 799
- Tetraodontidae* 049
- Tetraselmis chui* 696
- Tetraselmis* spp. 1117
- Tetraselmis subcordiformis* 696
- Tetraselmis suecia* 162, 168
- Teucrium canadense* 1111, 1112
- Thalassionema nitzschioides* 136, 167, 205, 265, 427, 650, 1116, 1117
- Thalassiosira anguste-lineata* 1117
- Thalassiosira binata* 1117
- Thalassiosira bioculata* 1117
- Thalassiosira constricta* 069, 469, 1117
- Thalassiosira decipiens* 265,

- 650, 1117
- Thalassiosira delicatula* 1117
- Thalassiosira eccentrica* 1117
- Thalassiosira fluviatilis* (weissflogii) 438
- Thalassiosira gravida* 265, 427, 650, 1117
- Thalassiosira licea* 656
- Thalassiosira mala* 1117
- Thalassiosira nordenskioldii* 141, 189, 208, 243, 265, 291, 427, 650, 798, 1117
- Thalassiosira oestrupii* 1117
- Thalassiosira profunda* 1117
- Thalassiosira pseudonana* 095, 208, 349, 650, 1117
- Thalassiosira rotula* 136, 167, 205, 324, 427, 650, 1117
- Thalassiosira solitaria* 656, 1117
- Thalassiosira* sp. 136, 205, 214, 243, 292, 387, 427, 650, 1089
- Thalassiosira* spp. 167, 1088, 1117
- Thalassiosira weissflogii* 349, 1117
- Thalassiothrix frauenfeldii* 265, 1117
- Tharyx acutus* 859, 937, 947
- Tharyx annulosus* 937
- Tharyx* sp. 416, 857
- Thelypteris palustris* 1112
- Theristus flavensis* 255
- Theristus* spp. 255
- Thompsonula hyaenae* 411
- Thracia conradi* 859
- Thuiaria* sp. 857
- Thunnus thynnus* 509, 1051
- Thysaria flexuosa* 937
- Tintinnidium fluviatile* 214, 288, 1089
- Tintinnopsis acuminata* 069, 214, 288, 726, 1089, 1107
- Tintinnopsis baltica* 214, 288, 1089, 1107
- Tintinnopsis beroidea* 214, 288, 1089
- Tintinnopsis* cf. *undella* 288
- Tintinnopsis dadayi* 214, 288, 1089
- Tintinnopsis fimbriata* 288
- Tintinnopsis fluviatile* 069
- Tintinnopsis kofoidi* 214, 288, 1089
- Tintinnopsis levigata* 214, 1089
- Tintinnopsis minuta* 069, 214, 288, 1089
- Tintinnopsis nucula* 214, 288, 1089
- Tintinnopsis parva* 069, 214, 288, 1089, 1107
- Tintinnopsis parvula* 214, 288
- Tintinnopsis platensis* 288

- Tintinnopsis rapa* 069, 214, 288, 1089, 1107
- Tintinnopsis* sp. 214
- Tintinnopsis sufflata* 288
- Tintinnopsis tubulosa* 214, 288
- Tintinnopsis tubulosoides* 069, 194, 214, 288, 1089, 1107
- Tintinnopsis undella* 214, 1089
- Tintinnopsis urnula* 214, 288, 1089
- Tintinnopsis vasculum* 069, 214, 288, 726, 1089, 1107
- Tintinnopsis ventricosoides* 214, 288, 1089
- Tintinnus pectinis* 288, 1089
- Tintinnus* sp. 1089
- Tisbe* sp. 411
- Titanoderma corallinae* 1114
- Titanoderma pustulatum* 1114
- Tobrilus* sp. 255
- Torreyochloa pallida* 1112
- Tortanus discaudatus* 116, 444, 480, 942, 988
- Tortanus* sp. 447
- Trachyneis aspera* 1116
- Trailliella intricata* 657, 773
- Travisia carnea* 937
- Tremella* sp. 799
- Triceratium favus* 265
- Trichocladium achrasporum* 799, 1113
- Trichocladium* sp. 799
- Trichophoxus epistomus* 857
- Triglidae 049
- Triglochin maritima* 1111, 1112
- Trinectes maculatus* 037, 049, 458, 940
- Tripsacum dactyloides* 749, 1112
- Tripterospora* sp. 799
- Tripyla* sp. 255
- Tripylidae 255
- Tripyloidae 255
- Tropidoneis lepidoptera* 461
- Tropidoneis seychellensis* 461
- Tropidoneis vitrea* 461
- Tubificodius grabriellae* 054
- Tubificoides brownae* 416
- Tubularia crocea* 123
- Turbanella* sp. 255
- Turbellaria* 224, 271
- Turbonilla elegantula* 937
- Turbonilla interrupta* 270, 947
- Turbonilla* sp. 054, 416
- Typha angustifolia* 1111, 1112
- Typha latifolia* 708, 1112
- Typosyllis* sp. 937

U

- Uca minax* 550
Uca pugnax 994, 1014
Ulothrix flacca 1114, 1115
Ulothrix implexa 1114
Ulva 1173
Ulva lactuca 096, 192, 563,
 657, 730, 773, 797, 834, 911,
 1096, 1097, 1114, 1115
Ulva sp. 766
Ulvaria obscura 1114
Ulvaria subbifurcata 049
Unciola inermis 857, 937
Unciola irrorata 054, 270,
 416, 857, 859, 937, 947
Uorphycis regia 037
Upogebia affinis 947
Urceolus sp. 1117
Uria aalge 570
Uria lomvia 570
Uronema sp. 462
Urophycis chuss 036, 037,
 052, 131, 166, 294, 389, 792,
 940, 1177
Urophycis regia 036
Urophycis spp. 049, 619
Urophycis tenuis 036, 037,
 294, 509, 940
Urosalpinx cinerea 238, 280
Urospora penicilliformis 1114

V

- Vaucheria litorea* 1114
Vaucheria velutina 1114
Vibrio 102
Vibrio anguillarum 842, 1131
Vibrio parahaemolyticus 842,
 1130
Vibrio sp. 151, 1015
 Volvocales 223
Vomer setapinnis 1177

X

- Xanthium eschinatum* 1111
Xanthium strumarium 1112
Xylomyces chamydosporis 799

Y

- Yoldia limatula* 054, 114,
 224, 270, 416, 449, 738, 937,
 947, 997, 1005, 1017
Yoldia sapotilla 857

Z

- Zalerion maritimum* 799, 1113
Zalerion varium 799, 1113
Zanichellia palustris 1115
Zausodes sp. 255
Zostera marina 076, 125, 192,
 563, 599, 674, 800, 847, 860,
 983, 1008, 1096, 1097, 1115

Chemical Index

1,1,1-trichloroethane	1048	1-methylnaphthalene	304, 443, 715, 996, 1024, 1025, 1046, 1048
1,2,3-trichlorobenzene	1048	1-methylphenanthrene	1024, 1025
1,2,3-trichloropropane	1048	1-naphthyl methylcarbamate	550
1,2,3-trimethylbenzene	1048	2,3,7,8-tetrachlorodibenzo-p-dioxin	664
1,2,4-trichlorobenzene	978, 1048	2,3,7,8-tetrachlorodibenzofuran	664
1,2,4-trimethylbenzene	1048	2,6-di-tert-butylbenzoquinone	1159
1,2-dichlorobenzene	1048	2,6-di-tert-butylphenol	1159
1,2-dimethylbenzene	1048	2,6-dimethylnaphthalene	768, 1024, 1025
1,3,5-trimethylbenzene	1048	2-butanone	975
1,3-dichlorobenzene	1048	2-chlorothiophene	1048
1,3-dimethylbenzene	1048	2-ethylnaphthalene	443, 715
1,4-dichlorobenzene	978, 1048	2-methylnaphthalene	304, 443, 715, 996, 1024, 1025, 1046, 1048
1,4-dimethylbenzene	1048	2-methylpropanal	975
1-chloro-2-methylbenzene	1048	3,3'-dichlorobenzidine	934
1-chlorodecane	1048	3,3'-dichlorobiphenyl	934
1-chlorododecane	1048	3,6-anhydrogalactose	309
1-chlorohexane	1048	3-methyl-2-benzothiazolinone hydrazone hydrochloride	419
1-chlorooctane	1048	3-methylfuran	975
1-chlorotetradecane	1048	3-methylpentane	975
1-ethyl-2-methylbenzene	1048	7,12-dimethylbenz(a)anthracene	420
1-ethyl-3-methylbenzene	1048		
1-ethyl-4-methylbenzene	1048		
1 - m e t h y l - 2 - (4 - methylphenoxy)benzene	1048		
1 - m e t h y l - 3 - (4 - methylphenoxy)benzene	1048		

- 9-methylanthracene 1046 1024, 1025
- A**
- acenaphthalene 1025
- acenaphthene 662, 1024
- acetone 975
- acetylene 589
- adenosine triphosphate 767, 1107
- aldehydes 975
- aldrin 861, 1025
- aliphatic hydrocarbons 331, 483, 523
- alkane hydrocarbons 638
- alkanes 325, 326, 331, 1035
- alkenes 060, 215, 217, 331, 960, 975, 979
- alkyl sulfides 331
- alkylbenzene 523
- Alpha-Chlordane 1025
- aluminum 702, 709, 782, 861, 931, 957, 1024, 1025, 1038
- americium 275, 643, 922, 943
- amino nitrogen 990
- ammonia 001, 008, 059, 067, 068, 096, 121, 127, 132, 240, 243, 270, 276, 286, 309, 319, 330, 391, 408, 433, 437, 448, 451, 507, 517, 563, 572, 583, 623, 800, 806, 895, 985, 990, 998, 1008, 1016, 1017
- ammonium 343, 1044
- anthracene 510, 662, 945, 1024, 1025
- antimony 275, 604, 655, 913, 922, 943, 959, 1024, 1025
- argon 965
- Aroclor 1254 844
- aromatic hydrocarbons 057, 062, 206, 249, 250, 262, 304, 305, 326, 331, 332, 420, 483, 485, 510, 523, 544, 638, 717, 1048, 1179
- arsenic 137, 275, 521, 604, 702, 861, 913, 922, 943, 959, 1022, 1024, 1025
- arsenic compounds 003
- ATP 1107
- B**
- barium 137, 275, 276, 604, 642, 655, 861, 922, 943
- benz [a]anthracene 304, 332, 443, 510, 662, 715, 866, 945, 1024, 1025, 1042
- benzene 978, 1035, 1048
- benzo[a]anthracene 996
- benzo(a)pyrene 443, 662, 715, 945, 1024, 1025
- benzo(e)pyrene 443, 715, 1024, 1025
- benzoic acid 945
- benzotriazoles 598, 763, 1043
- beryllium 137, 275, 489, 655, 768, 861, 922, 943
- biphenyl 304, 443, 715, 996, 1024, 1025, 1046
- boron 230, 861

- bromochloromethane 1048
bromodichloromethane 1048
bromoform 1048
bromotrichloromethane 1048
butyl tin 1041
- C**
- C-10-benzotriazole 996
C-14 bicarbonate 1091
[C-14]decane 397
[C-14]octadecane 397
[C-14-U]2,4,5,2',4',5'-hexachlorobiphenyl 449
C-2 alkyl benzene 483
C-2-phananthrenes 305
C2-hydrocarbons 1048
C2-naphthalene 1046
C2F5Cl 325
C2H6 325
C3-naphthalene 1046
C3H8 325
C4-benzene 1048
- cadmium 065, 137, 201, 225, 227, 235, 269, 275, 276, 277, 298, 310, 337, 407, 418, 441, 457, 471, 489, 507, 508, 514, 521, 538, 542, 544, 546, 547, 584, 604, 615, 634, 637, 642, 655, 676, 702, 708, 709, 717, 729, 731, 768, 769, 774, 775, 821, 827, 844, 851, 855, 859, 861, 893, 895, 922, 931, 934, 943, 956, 985, 998, 1003, 1007, 1016, 1020, 1022, 1024, 1025, 1038, 1043, 1047, 1082, 1099, 1108, 1214
calcium 270, 514, 861
carbaryl 550
carbon 094, 096, 246, 260, 263, 292, 398, 440, 441, 445, 554, 694, 703, 932, 1017, 1022, 1043, 1107
carbon 14 352, 1073
carbon dioxide 270, 276, 329, 332, 420, 436, 437, 1018, 1042
carbon disulfide 975
carbon isotopes 051, 105, 215, 231, 535, 613, 694, 993
carbon tetrachloride 1048
cerium 275, 966
cesium 137, 201, 275, 310, 489, 604, 642, 655, 717, 922, 943, 956
CF2Cl2 325
chlordan 861, 1024
chloride 861, 1038
chlorinated aromatic hydrocarbons 523
chlorinated benzenes 331
chlorinated C-2-hydrocarbons 523
chlorinated ethylenes 483
chlorinated hydrocarbons 203, 1100
chlorine 1022
chlorite 379
chloro-benzotriazole 996

- chlorobenzene 483, 978, 1048
- chloroform 615, 975
- chlorotoluene 483
- chromium 061, 137, 201, 225, 252, 269, 272, 275, 277, 310, 337, 418, 457, 471, 489, 547, 584, 604, 615, 634, 643, 655, 723, 768, 821, 844, 851, 859, 861, 931, 934, 943, 956, 1003, 1024, 1025, 1038, 1043, 1082, 1161, 1214
- chrysene 304, 443, 510, 662, 715, 945, 996, 1024, 1025
- cobalt 137, 201, 225, 269, 275, 310, 489, 604, 655, 723, 768, 855, 859, 861, 922, 943, 956
- copper 043, 053, 061, 084, 086, 110, 154, 160, 165, 209, 213, 216, 221, 227, 252, 269, 272, 276, 277, 283, 298, 337, 392, 407, 418, 426, 441, 455, 457, 471, 484, 485, 491, 507, 508, 514, 538, 542, 544, 546, 547, 584, 615, 634, 637, 666, 676, 702, 708, 709, 729, 731, 763, 768, 821, 844, 851, 854, 855, 859, 861, 864, 895, 931, 934, 985, 998, 1003, 1007, 1016, 1024, 1025, 1038, 1043, 1047, 1082, 1099, 1161, 1214
- copper compounds 165
- coprostanol 418, 584, 763, 851, 934, 954, 1025, 1043
- coumarin 758, 761
- cyanide 402
- cyclopentane 975
- D
- D-[U-C-14] glucose 462
- DDD 861, 1025
- DDE 861, 930, 1022, 1024, 1025, 1077
- DDT 861, 1022, 1024, 1025, 1179
- decahydronaphthalene 1048
- decane 978
- di-2-ethylhexyl phthalate 996
- dibenz(a,h)anthracene 1025
- dibenzanthracene 1024
- dibenzothiophene 304, 443, 715, 996
- dibromochloromethane 1048
- dibromomethane 1048
- dibutyltin 663
- dichlorobenzene 523
- dieldrin 861, 1024, 1025
- diethylenetriaminepentacetic acid 729
- dimethylbenz[a]anthracene 510, 866, 945
- dimethyldisulfide 1048
- dimethylnaphthalene 945
- dimethyltrisulfide 1048
- dissolved inorganic nitrogen 517
- dissolved organic carbon 079, 118, 216, 221, 252, 436, 468, 977, 993
- dissolved organic nitrogen 517
- dissolved organic phosphorus

330

dissolved oxygen 135, 232,
241

DNA 692, 928, 1027

docosaheptaenoic acid 327, 946

dysprosium 966

E

EDTA 363

endosulfan 861

endrin 861

erbium 966

ethane 975

ethylbenzene 1048

ethylenediaminetetraacetic acid
491

europium 966

F

farnesane 1035

Fluoranthene 304, 443, 662,
715, 945, 996, 1024, 1025fluorene 304, 443, 510, 662,
715, 945, 996, 1024, 1025

fluorenone 945

fluoride 861

formaldehyde 997

fulvic acids 061

G

gadolinium 966

gluconic acid 390

glucose 390, 805

glucose oxidase 390

glyoxylate 840

guanine 809

Hhalogenated hydrocarbons 042,
047

heptachlor 861, 1024, 1025

heptachlor epoxide 861, 1024,
1025

hexachlorobenzene 1024, 1025

hexachlorocyclohexanes 418,
584

hexadecane 945

hydrocarbons 060, 134, 181,
203, 206, 213, 215, 217, 249,
250, 262, 271, 290, 304, 320,
325, 326, 331, 337, 418, 426,
490, 523, 538, 547, 584, 598,
632, 637, 675, 851, 930, 960,
979, 996, 1016, 1042, 1100,
1134

hydrogen peroxide 962

Ii-C₄H₁₀ 325

indium 913, 959

indole-3-acetic acid 1094

iodine 164, 957

iron 053, 084, 088, 133, 137,
160, 201, 225, 227, 275, 276,
298, 310, 337, 379, 407, 426,
471, 489, 507, 514, 538, 542,

544, 547, 604, 637, 642, 643,
655, 702, 709, 731, 855, 859,
861, 871, 922, 931, 943, 956,
966, 1024, 1025, 1038, 1047,
1161

isocitrate dehydrogenase 840

isocitrate lyase 840

isopropylbenzene 1048

K

ketones 975

L

lanthanum 966

lead 201, 213, 242, 253, 269,
272, 273, 275, 277, 298, 337,
398, 407, 418, 441, 457, 471,
484, 485, 507, 514, 521, 538,
542, 544, 546, 547, 584, 615,
634, 637, 643, 666, 702, 708,
717, 768, 769, 774, 775, 821,
844, 851, 855, 859, 861, 893,
895, 922, 931, 934, 943, 954,
957, 964, 967, 985, 998, 1003,
1016, 1020, 1024, 1025, 1038,
1043, 1047, 1082, 1214

lead 210 352

lindane 861, 1024, 1025

lithium 861

lutetium 966

M

magnesium 379, 782, 861, 1161

magnetite 471

malate synthase 840

manganese 137, 201, 227, 228,
269, 270, 275, 276, 298, 310,

337, 398, 407, 410, 441, 471,
489, 507, 514, 538, 542, 544,
604, 637, 642, 655, 666, 702,
709, 721, 731, 861, 913, 922,
931, 943, 956, 957, 959, 966,
1024, 1025, 1038, 1043, 1047,
1161

mannitol 805

mercury 137, 225, 275, 310,
365, 489, 521, 604, 615, 642,
643, 655, 723, 769, 774, 775,
844, 855, 859, 861, 893, 943,
1003, 1020, 1024, 1025, 1030

methane 975

methoxychlor 861

methylene chloride 615, 975

methylfuran 975

methylnaphthalene 510, 768,
945

Mirex 1024, 1025

molybdenum 861

monobutyltin 663

myrex 861

N

n-C₄H₁₀ 325

n-docosane 1046

n-eicosane 1046

n-heneicosadienes 960

n-heptadecane 1048

n-heptane 331

n-hexadecane 1046, 1048

n-nonadecadienes 960

- n-nonadecane 1048
- n-octadecane 331, 1046, 1048
- n-pentadecane 1048
- n-propylbenzene 1048
- n-tetracosane 1046
- n-tetradecane 1046, 1048
- naphthalene 304, 305, 443, 510, 523, 662, 715, 768, 816, 945, 978, 996, 1024, 1025, 1035, 1048
- neodymium 966
- nickel 084, 110, 227, 269, 276, 277, 337, 418, 471, 546, 547, 584, 615, 632, 634, 717, 729, 731, 768, 821, 844, 851, 859, 861, 931, 934, 985, 1003, 1020, 1024, 1025, 1043, 1082, 1099, 1161, 1214
- nitrate 001, 096, 132, 243, 286, 309, 330, 408, 437, 448, 451, 507, 517, 563, 572, 583, 623, 798, 800, 895, 985, 998, 1016, 1017
- nitrite 001, 096, 286, 309, 330, 408, 437, 448, 451, 517, 800, 895, 985, 998, 1016, 1017
- nitrobenzene 763, 934
- nitrogen 018, 067, 068, 096, 176, 192, 245, 246, 254, 264, 309, 363, 398, 408, 439, 440, 441, 445, 517, 552, 554, 562, 564, 568, 623, 694, 697, 703, 764, 861, 872, 925, 932, 936, 938, 1016, 1022, 1039, 1043, 1073, 1107
- nitrous oxide 018, 075, 176, 222
- Nonachlor 1024
- norpristane 1046
- O
- o-xylene 786
- octadecane 945, 978
- octatriene 1048
- octopine dehydrogenase 770
- organic carbon 051, 092, 165, 209, 215, 217, 262, 292, 328, 329, 379, 449, 493, 568, 710, 723, 767, 997, 1072, 1091, 1200
- organic nitrogen 222, 240, 343, 344
- organic phosphorus 293
- oxygen 270, 276, 292, 329, 436, 437, 451, 541, 939, 1016, 1073, 1156, 1200
- oxygen isotopes 105, 535
- P
- p-hydroxyphenyl acetic acid 962
- PCB 026, 047, 062, 120, 250, 266, 426, 521, 717, 844, 861, 918, 930, 1022, 1024, 1043, 1077, 1098, 1099, 1179
- PCN 861
- pentachlorophenol 866
- pentanal 975
- perhalogenated alkanes 325
- perhydrofluorene 1046
- peroxidase 962
- perthane 861
- perylene 1024, 1025

- petroleum hydrocarbons 006,
026, 091, 120, 122, 128, 159,
189, 210, 250, 267, 269, 271,
278, 279, 280, 298, 305, 325,
326, 337, 407, 411, 414, 416,
428, 441, 443, 447, 472, 473,
483, 485, 490, 499, 502, 533,
538, 542, 543, 544, 546, 547,
548, 608, 637, 638, 653, 662,
667, 671, 683, 686, 711, 717,
743, 763, 768, 786, 796, 816,
844, 866, 867, 868, 873, 934,
954, 1017, 1035, 1037, 1046,
1179
- Phenanthrene 304, 305, 443,
510, 662, 715, 768, 996, 1024,
1025
- phenolics 773
- phenols 231, 332, 773, 861,
1159
- phloroglucinol 773
- phosphate 001, 096, 270, 276,
286, 330, 437, 448, 451, 507,
563, 583, 800, 895, 985, 998,
1016, 1017, 1044
- phosphorus 101, 245, 254,
259, 293, 363, 398, 408, 439,
440, 441, 445, 552, 554, 764,
861, 872, 932, 936, 938, 1016,
1022, 1039, 1043
- phthalate esters 786
- phthalates 418, 584, 763,
851, 934, 1043
- phthalic acid esters 786
- phycocolloids 309
- phytane 1035, 1048
- plutonium 272, 273, 275, 450,
717, 922, 943, 967
- polonium 201, 242, 253, 275,
643, 922, 943, 956
- polyaromatic hydrocarbons
1024
- polychlorinated biphenyls
418, 584, 675, 717, 851, 918,
934, 1025, 1077, 1098, 1100
- polychlorinated diphenyl ethers
1077
- polycyclic aromatic
hydrocarbons 298, 304, 332,
337, 418, 420, 443, 472, 510,
542, 544, 546, 584, 598, 637,
662, 675, 715, 851, 866, 873,
918, 934, 945, 954, 996, 1042,
1043, 1098, 1099, 1196
- polymers 231
- polynuclear aromatic
hydrocarbons 473, 768, 1179
- polyolefinic hydrocarbons 598
- polyolefins 960
- potassium 702, 861
- potassium persulfate 710
- pristane 1035, 1046, 1048
- protactinium 137, 489, 604,
655, 922, 943
- Pyrene 304, 443, 662, 715,
996, 1024, 1025, 1046
- pyropheophorbida a 823
- Q
- quinones 332, 1159
- R
- radium 137, 201, 242, 275,
604, 922, 943, 967
- RNA 928, 1027

S

samarium 966

saturated hydrocarbons 206,
210, 397

scandium 275

selenium 090, 137, 201, 275,
310, 604, 690, 723, 861, 913,
922, 943, 956, 959, 1024, 1025,
1154

silica 363, 408, 439, 764,
1043

silicate 001, 068, 270, 276,
286, 437, 448, 451, 507, 572,
798, 872, 895, 985, 998, 1016,
1017, 1044

silicon 1024, 1025

silver 418, 547, 584, 615,
723, 763, 861, 931, 934, 1024,
1025, 1099

sodium 137, 270, 275, 293,
642, 655, 702, 861, 943, 957

stearic acid 327, 946

strontium 137, 547, 642, 861

substituted benzotriazoles
934

sucrose 805

sulfate 270, 276, 309, 861,
1038, 1154

sulfide 276, 461, 571

sulfur 270, 913

sulfur dioxide 913

superoxide dismutase 802

T

TBT 106

tetrachloroethylene 483, 615,
978, 1048

thallium 1024

thorium 137, 201, 242, 253,
275, 450, 610, 643, 922, 943,
956, 964, 967, 973

tin 178, 275, 310, 489, 547,
604, 655, 769, 774, 922, 943,
1020, 1024, 1025

tin compounds 178

titanium 269, 471, 1038

toluene 211, 483, 615, 945,
978, 1048

toxaphene 861

tributyltin 106, 663, 745

trichlorobenzene 523

trichloroethylene 483, 975,
1048

triphenylene 304, 662, 996

U

uranium 242, 253, 964, 967,
973, 978

urea 243

V

vanadium 137, 269, 275, 277,
604, 768, 861, 913, 922, 943,
957, 959, 1038

volatile hydrocarbons 211,
326, 331, 397, 686

Y

ytterbium 966

z

zinc 065, 137, 160, 201, 269,
272, 275, 277, 298, 310, 337,
426, 457, 471, 485, 489, 514,
538, 542, 547, 604, 615, 637,
642, 655, 676, 702, 708, 729,
731, 763, 768, 769, 774, 775,
844, 851, 855, 859, 861, 893,
913, 922, 931, 934, 943, 956,
959, 1003, 1020, 1024, 1025,
1043, 1161