

Rodney J. Sobey
LIST OF PUBLICATIONS
24 November 2014

A1. Refereed Publications/Archival Journals

1. Minton, P. and Sobey, R.J., "A Unified Non-dimensional Formulation for Open Channel Flow," *Journal of Hydraulics Division, ASCE*, 99, 1973, pp. 1-12.
2. Sobey, R.J. and Savage, S.B., "Jet-Forced Circulation in Water Supply Reservoirs," *Journal of Hydraulics Division, ASCE*, 100, 1974, pp. 1809-1828. (Limited pre-Journal edition as Report FML 73-2, McGill University, Montreal).
3. Savage, S.B. and Sobey, R.J., "Horizontal Momentum Jets in Rotating Basins," *Journal of Fluid Mechanics*, 71, 1975, pp. 755-766. (Limited pre-Journal edition published as Report FML 74-1, McGill University, Montreal).
4. Young, I.R. and Sobey, R.J., Discussion of Hunt, J. N. "Direct Solution of the Wave Dispersion Equation," *Journal of Waterway, Port, Coastal and Ocean Division, ASCE*, 106, 1980, pp. 499-501.
5. Sobey, R.J., Discussion of Lee, Y.K. "Hurricane Eloise Wave Spectra," *Coastal Engineering*, 5, 1981, pp. 379-381.
6. Sobey, R.J., Harper, B.A. and Mitchell, G.M., "Numerical Modelling of Tropical Cyclone Storm Surge," *Civil Engineering Transactions, Institution of Engineers, Australia, CE24*, 1982, pp. 151-161.
7. Sobey, R.J. and Colman, E.J., "Natural Wave Trains and Scattering Transform," *Journal of Waterway, Port, Coastal and Ocean Division, ASCE*, 108, 1982, pp. 277-290.
8. Sobey, R.J., "Hermitian Space-Time Finite Elements for Estuarine Mass Transport," *International Journal for Numerical Methods in Fluids*, 2, 1982, pp. 277-298.
9. Sobey, R.J., Discussion of Isaacson, M.de St.Q. and MacKenzie, N.G., "Long-Term Distributions of Ocean Waves: A Review," *Journal of Waterway, Port, Coastal and Ocean Division, ASCE*, 108, 1982, pp. 234-235.
10. Sobey, R.J., "A Fractional Step Algorithm for Estuarine Mass Transport," *International Journal for Numerical Methods in Fluids*, 3, 1983, pp. 567-582.
11. Sobey, R.J., "An Optimized Solution for the Diffusion Equation on a Non-Uniform Grid," *International Journal for Numerical Methods in Engineering*, 20, 1984, pp. 465-477.

12. Harper, B.A. and Sobey, R.J., "Open-Boundary Conditions for Open-Coast Hurricane Storm Surge," *Coastal Engineering*, 7, 1983, pp. 41-60.
13. Sobey, R.J., "Numerical Alternatives in Transient Stream Response," *Journal of Hydraulic Engineering*, ASCE, 110, 1984, pp. 749-772.
14. Sobey, R.J. and Colman, E.J., "Scattering Analysis and Synthesis of Wave Trains," *Journal of the Australian Mathematical Society, Series B., Special Issue on Waves and Fluids*, 25, 1983, pp. 44-63.
15. Bode, L. and Sobey, R.J., "Initial Transients in Long Wave Computations," *Journal of Hydraulic Engineering*, ASCE, 110, 1984, pp. 1371-1397.
16. Young, I.R. and Sobey, R.J., "Measurements of the Wind-Wave Energy Flux in an Opposing Wind," *Journal of Fluid Mechanics*, 151, 1985, pp. 427-442.
17. Sobey, R.J., "Wind Wave Prediction," *Annual Review of Fluid Mechanics*, 18, 1986, pp. 149-172.
18. Sobey, R.J. and Young, I.R., "Hurricane Wind Waves - A Discrete Spectral Model," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 112, 1986, pp. 370-389.
19. Sobey, R.J. and Johnson, T.L., "Diffraction Patterns near a Narrow Breakwater Gap," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 112, 1986, pp. 512-528. [Closing Discussion, 114, 1988, pp. 119-120]
20. Sobey, R.J., Goodwin, P., Thieke, R.J. and Westberg, R.J., Jr., "Application of Stokes, Cnoidal and Fourier Wave Theories," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 113, 1987, pp. 565-587.
21. Sobey, R.J., Discussion of Dalrymple, R.A. and Solana, P., "Nonuniqueness in Stream Function Wave Theory," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 114, 1988, pp. 112-114.
22. Sobey, R.J., Johnston, A.J. and Keane, R.D., "Horizontal Round Buoyant Jet in Shallow Water," *Journal of Hydraulic Engineering*, ASCE, 114, 1988, pp. 910-929.
23. Read, W.W. and Sobey, R.J., "The Phase Spectrum of Surface Gravity Waves," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 113, 1987, pp. 507-522.
24. Sobey, R.J. and Liang, H.-B., "Complex Envelope of Surface Gravity Waves," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 115, 1989, pp. 681-700. [Closing Discussion, 117, 1991, pp. 547-549]

25. Kishida, N. and Sobey, R.J., "Stokes Waves on a Linear Shear Current," *Journal of Engineering Mechanics*, ASCE, 114, 1988, pp. 1317-1334. [Closing Discussion, 116, 1990, pp. 979-980]
26. Aiyesimoju, K.O. and Sobey, R.J., "Process Splitting of the Boundary Conditions for the Advection-Dispersion Equation," *International Journal for Numerical Methods in Fluids*, 9, 1989, pp. 285-303.
27. Sobey, R.J., "Apparent Stress in Shoaling Waves," *Shore & Beach*, 55, 1987, pp. 113-117.
28. Sobey, R.J. and Thieke, R.J., "Mean Flow Circulation Equations for Shoaling and Breaking Waves," *Journal of Engineering Mechanics*, ASCE, 115, 1989, pp. 285-303.
29. Young, I.R. and Sobey, R.J., "Deep Water Swell and Spectral Wave Decay in Opposing Winds," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 114, 1988, pp. 732-744.
30. Sobey, R.J., Discussion of Lu, C.-C., Wang, L.D. and Le Mehauteé, B., "Boundary Integral Equation Method for Limit Surface Gravity Waves," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 1989, 115, 417.
31. Sobey, R.J., "Variations on Fourier Wave Theory," *International Journal for Numerical Methods in Fluids*, 1989, 9, 1453-1467.
32. Thieke, R.J. and Sobey, R.J., "Cross-Shore Wave Transformation and Mean Flow Circulation," *Coastal Engineering*, 1990, 14, 387-415.
33. Sobey, R.J. and Bando, K., "Variations on Higher Order Shoaling," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 1991, 117, 348-368.
34. Sobey, R.J. and Dingemans, M.W., "Rapidly Varied Flow Analysis of an Undular Bore," *Journal of Waterway, Port, Coastal and Ocean Engineering*, 1992, 110, 417-436. (Limited pre-Journal edition as Report 6-89, Department of Civil Engineering, Group of Hydraulic and Geotechnical Engineering, Delft University of Technology).
35. Sobey, R.J., "A local Fourier approximation method for irregular wave kinematics," *Applied Ocean Research*, 1992, 14, 93-105.
36. Sobey, R.J., "The distribution of zero-crossing wave heights and periods in a stationary sea state," *Ocean Engineering*, 1992, 19, 101-118.
37. Sobey, R.J., Discussion of Matsoukis, P-F.C., "Tidal model using Method of Characteristics," *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 119, 1993, pp. 464-465.

38. Sobey, R.J. and Orloff, L.S., "Triple annual maximum series in wave climate analysis," *Coastal Engineering*, 1995, 26, 135-151.
39. Hirayama, H. and Sobey, R.J. "Theory of mass transport induced by waves on horizontal bed", *Bulletin of Osaka Prefectural College of Technology*, 1996, 30, 45-53.
40. Sobey, R.J., "Correlation between individual waves in a real sea state," *Coastal Engineering*, 1996, 27, 223-242.
41. Sobey, R.J. and Barker, C.H., "Wave-driven transport of surface oil," *Journal of Coastal Research*, 1997, 13, 490-496.
42. Sobey, R.J. and Hughes, S.A., "A locally nonlinear interpretation of PUV measurements," *Coastal Engineering*, 36, 17-36, 1999.
43. Sobey, R.J. and Orloff, L.S., "Intensity-duration-frequency summaries for wave climate," *Coastal Engineering*, 36, 37-58, 1999.
44. Greenblatt, M.S. and Sobey, R.J., "Subsurface flow and transport in tidal wetlands: Marsh plain equations," *Journal of Engineering Mechanics*, 125, 971-4, 1999.
45. Massel, S. R. and Sobey, R. J., "Distribution of the highest wave in a record," *Coastal Engineering Journal*, 42, 153-173, 2000.
46. Sobey, R.J., "Evaluation of numerical models of flood and tide propagation in channels", *Journal of Hydraulic Engineering*, 127, 805-824, 2001.
47. Greenblatt, M.S. and Sobey, R.J., "Subsurface flow and salinity response patterns in a tidal wetland marsh plain", *Journal of Coastal Research*, Special Issue 27, 88-108, 2001.
48. Sobey, R.J. "Analytical Solutions of the Non-Homogeneous Wave Equation", *Coastal Engineering Journal*, 44, 1-23, 2002.
49. Sobey, R.J. "Analytical Solutions for Flood and Tide Codes", *Coastal Engineering Journal*, 44, 25-52, 2002.
50. Sobey, R.J. "Analytical Solutions for Storm Tide Codes", *Coastal Engineering*, 46, 213-231, 2002.
51. Sobey, R.J. "Seiche Modes of Elongated Natural Basins", *Coastal Engineering Journal*, 45, 421-438, 2003.
52. Sobey, R.J. "Lateral Structure of Uniform Flow", *Journal of Hydroinformatics*, 6, 101-108, 2004.
53. Sobey, R.J. "Analytical Solutions for Unsteady Pipe Flow", *Journal of Hydroinformatics*, 6, 187-207, 2004.

54. Sobey, R.J. "Extreme Low and High Water Levels", Coastal Engineering, 52, 63-77, 2005.
55. Sobey, R.J. "Normal Mode Decomposition for Identification of Storm Tide and Tsunami Hazard", Coastal Engineering, 53, 289-301, 2006.
56. Sobey, R.J. "Wave Kinematic Fields from the Boundary Integral Method", International Journal for Numerical Methods in Fluids, 51, 773-790, 2006.
57. Sobey, R.J. "Analytical Solutions for Steep Standing Waves", Engineering and Computational Mechanics, 162, 185-197, 2009. [Errata 165:75, 2012].
58. Sobey, R.J. "Wetting and Drying in Coastal Flows", Coastal Engineering, 56, 565-576, 2009.
59. Sobey, R.J. "Stokes Approximation Solutions for Steep Standing Waves", Coastal Engineering Journal, 54, 2, 30pp, 2012.
60. Sobey, R.J. "Steep Progressive Waves in Deep and Shallow Water", Engineering and Computational Mechanics, 165, EM3, 181-200, 2012.
61. Sobey, R.J. "A Cnoidal Approximation Wave Theory", Engineering and Computational Mechanics, 165, EM3, 201-216, 2012.
62. Sobey, R.J., "Phase-resolving Integral Wave Evolution in a Coastal Environment," Engineering and Computational Mechanics, 167, EM4, 167-194, 2014.

A2. Refereed Publications/Conference and Symposium Proceedings

63. Sobey, R.J., "Mass Interchange in Stagnant Zones of Water Supply Reservoirs," Procs., 15th Congress, IAHR, Istanbul, September 1973, 2, pp. 97-102.
64. Sobey, R.J. and Savage, S.B., "Jets in Rotating Basins," Procs., 15th Congress, IAHR, Istanbul, September 1973, 2, pp. 221-229.
65. Harper, B.A., Sobey, R.J. and Stark, K.P., "Sensitivity Analysis of a Tropical Cyclone Surge Model," in Noye, B. J. (Editor) Numerical Simulation of Fluid Motion, North-Holland, 1978, pp. 371-381.
66. Sobey, R.J., "Wind Wave Frequencies in a Tropical Cyclone Region," Procs., 16th International Conference on Coastal Engineering, Hamburg, August-September 1978, ASCE, 1, pp. 76-96.
67. Sobey, R.J., Harper, B.A. and Mitchell, G.M., "Numerical Modelling of Tropical Cyclone Storm Surge," Procs., 17th International Conference on Coastal Engineering, Sydney, March 1980, ASCE, 1, pp. 725-745.

68. Sobey, R.J., "Synthesis of Hurricane Response Hydrographs," *Procs.*, 18th International Conference on Coastal Engineering, Cape Town, November 1982, ASCE, 1, pp. 108-128.
69. Bode, L. and Sobey, R.J., "Accurate Modelling of Two-Dimensional Mass Transport," *Procs.*, 19th International Conference on Coastal Engineering, Houston, September 1984, ASCE, 3, pp. 2434-2448.
70. Sobey, R.J. and Read, W.W., "Wave Groups in the Frequency and Time Domains," *Procs.*, 19th International Conference on Coastal Engineering, Houston, September 1984, ASCE, 1, pp. 695-707.
71. Sobey, R.J. and Johnson, T.L., "Wave Diffraction Through a Narrow Gap," *Procs.*, 21st Congress, International Association for Hydraulic Research, Melbourne, 4, 1985, pp. 48-53.
72. Sobey, R.J. and Liang, H.-B., "Complex Envelope Identification of Wave Groups," *Procs.*, 20th International Conference on Coastal Engineering, Taipei, November 1986, ASCE, 1, pp. 752-766.
73. Sobey, R.J., "Truncation Order of Fourier Wave Theory," *Procs.*, 21st International Conference on Coastal Engineering, Malaga, June 1988, ASCE, 1, pp. 307-321.
74. Sobey, R.J. and Bando, K., "Steady Wave Theory and the Surf Zone." *Advances in Water Modelling and Measurement*, BHRA, Cranfield, 1989, pp.291-296.
75. Sobey, R.J., "A Review of Recent Developments in Wave Kinematics." Keynote Paper, International Conference on Hydraulic and Environmental Modelling of Coastal, Estuarine and River Waters, Bradford, U.K., September 1989, Gower Technical, Aldershot, pp. 169-189.
76. Sobey, R.J., Chandler, B.D. and Harper, B.A., "Extreme waves and wave counts in a hurricane," *Procs.*, 22nd International Conference on Coastal Engineering, Delft, June 1990, ASCE, 1, pp. 358-370.
77. Goodwin, P., Lewandowski, J. and Sobey, R.J., "Hydrodynamic simulation of small-scale tidal wetlands." *Procs.*, 2nd International Conference on Hydraulic and Environmental Modelling of Coastal, Estuarine and River Waters, Bradford, U.K., September 1992, Ashgate Publishing, 2, pp. 149-161.
78. Sobey, R.J., "Estimation of Irregular Kinematics from a Measured Record," *Procs.*, 23rd International Conference on Coastal Engineering, ASCE, Venice, October 1992, ASCE, 1, pp. 644-657.

79. Sobey, R.J., "Quantifying Coastal and Ocean Processes," Kevin Stark Memorial Keynote Address, Procs., 11th Australasian Conference on Coastal and Ocean Engineering, Townsville, August 1993, Institute of Engineers Australia (National Conference Publication 93/4), 1, pp. 1-10.
80. Sobey, R.J., "Conservation Properties of the Mild Slope and Boussinesq Equations," Procs., 2nd International Symposium Ocean Wave Measurement and Analysis, New Orleans, July 1993, ASCE, pp. 135-149.
81. Barker, C.H. and Sobey, R.J., "Irregular Kinematics from a Pressure Record," Procs., 25th International Conference on Coastal Engineering, ASCE, Orlando, September 1996, ASCE, 1, pp. 1034-1047.
82. Xu, J. and Sobey, R.J., "Time-averaged wave field evolution in coastal zone," Procs., 25th International Conference on Coastal Engineering, ASCE, Orlando, September 1996, ASCE, 1, pp. 67-80.
83. Greenblatt, M.S. and Sobey, R.J., "Saturated/unsaturated subsurface flow and salinity using method of lines," Procs., 27th Congress, IAHR, San Francisco, August 1997, 2, pp. 907-912.
84. Barker, C.H. and Sobey, R.J., "Nonlinear wave kinematics from directional wave measurements," Procs., Specialty Seminar on Multidirectional Waves and their Interaction with Structures, 27th Congress, IAHR, San Francisco, August 1997, pp. 343-356.
85. Barker, C.H. and Sobey, R.J., "Nonlinear wave kinematics from directional pressure arrays," Procs., 3rd International Symposium Ocean Wave Measurement and Analysis (WAVES'97), Virginia Beach, November 1997, ASCE, 2, pp. 787-801.
86. Greenblatt, M. S. and Sobey, R. J., "Near-surface flow and transport in tidal marsh plains", Procs., Wetlands Engineering and River Restoration Conference, Denver, March 1998, ASCE, published on CD-ROM.
87. Hughes, S.A. and Sobey, R.J., "Irregular wave kinematics from PUV gauges," Procs., International Symposium on Wave Kinematics, Dynamics and Loads on Structures, Houston, April 1998, ASCE, pp. 48-55.
88. Sobey, R.J. and Orloff, L.S., "Duration in wave climate analyses", Procs., 26th Conference on Coastal Engineering, Copenhagen, Denmark, July, 1998, ASCE, 1, pp. 1013-1026.
89. Sobey, R.J., "Standardized evaluation of estuarine network models", Procs., 27th Conference on Coastal Engineering, Sydney, Australia, July, 2000, ASCE, 4, pp. 3683-3696.

90. Kioka, W., Nagata, S., and Sobey, R. J., "Characteristics of subsurface flow and salinity distribution on tidal flat", Proceedings of Coastal Engineering, Kobe, November, 2000, JSCE, 47, pp. 1141-1145 (in Japanese).
91. Sobey, R.J., "San Francisco Bay-Delta: Review of one-dimensional Hydrodynamic and Transport Models", Bay-Delta Modeling Forum, at URL <http://www.cwemf.org/1-DReview>, May, 2001. (Hard copy in WRCA).
92. Sobey, R.J., "Some simplified solutions for the confirmation of storm tide codes", Procs., 28th Conference on Coastal Engineering, Cardiff, UK, July, 2002, ASCE, 1, pp. 188-200.
93. Sobey, R.J. "Tracking the Wetting and Drying Front in Coastal Flows", Procs., 31st Conference on Coastal Engineering, Hamburg, Germany, July, 2008, ASCE/World Scientific, 1, pp. 810-822.
94. Sobey, R.J. "From Long Wave to Short Wave Evolution", Procs., 3rd IAHR Europe Conference, Porto, Portugal, April, 2014, pp. 51-59, URL <http://webpages.fe.up.pt/iahr2014> accessed May 2014.

B1. Non-refereed Publications/Technical Reports

95. Sobey, R.J., Finite-Difference Schemes Compared for Wave Deformation Characteristics in Mathematical Modelling of Two-Dimensional Long-Wave Propagation, U. S. Army Corps of Engineers, Coastal Engineering Research Center, Tech. Memo No. 32, October 1970, 36 pp.
96. Sobey, R.J., Flow Patterns in Lakes and Reservoirs, Ph.D. Thesis, Imperial College of Science and Technology, University of London, November 1972, 247 pp.
97. Gehrig, W., Jurisch, R. and Sobey, R., Turbelente Ausbreitung Bei Seitlicher Einleitung in Eine Gerinnestromung, Report SFB 80/ET/27, Sonderforschungsbereich 80, University of Karlsruhe, April 1974, 20 pp.
98. Sobey, R.J., Experimental Study of Horizontal Discharge of a Non-Buoyant Round Jet into Shallow Water, Report SFB 80/ET/37, Sonderforschungsbereich 80, University of Karlsruhe, December 1974, 49 pp.
99. Sobey, R.J., Harper, B.A. and Stark, K.P., Numerical Simulation of Tropical Cyclone Storm Surge, Research Bulletin No. CS14, Department of Civil and Systems Engineering, James Cook University, May 1977, 311 pp.
100. Harper, B.A., Sobey, R.J. and Stark, K.P., User's Guide to SURGE, Department of Civil and Systems Engineering, James Cook University, November 1977, 223 pp.

101. Sobey, R.J. and Mitchell, G.M., Wave and Current Loading on Rigid Cylindrical Piles, Research Bulletin No. CS15, Department of Civil and Systems Engineering, James Cook University, February 1978, 134 pp.
102. Sobey, R.J., Rossow, D.J. and McMonagle, C.J., Long Term Wind Wave Frequencies at Cleveland Bay and Rosslyn Bay, Research Bulletin No. CS16, Department of Civil and Systems Engineering, James Cook University, July 1978, 92 pp.
103. Sobey, R.J., Mills, A.B. and Young, I.R., Mermaid Sound extreme water level study, Report to Woodside Petroleum Development Pty. Ltd., Perth, Australia, May 1979, 210 pp.
104. Mitchell, G.M., Sobey, R.J., Barbagello, A.M.J. and Colman, E.J., A Programmable Water Wave Generator, Research Bulletin No. CS18, Department of Civil and Systems Engineering, James Cook University, December 1979, 105 pp.
105. Sobey, R.J., Adil, T.S. and Vidler, P.F., User's Guide to ESTFLO/Version 2B - A Numerical Hydrodynamics Model of Unsteady Gradually Varied Flow in a One-Dimensional, Well-Mixed Estuarine System, Research Bulletin No. CS22, Department of Civil and Systems Engineering, James Cook University, February 1980, 83 pp.
106. Sobey, R.J. and Vidler, P.F., Numerical Modelling of Mass Transport in Well-Mixed Estuaries, Research Bulletin No. CS19, Department of Civil and Systems Engineering, James Cook University, March 1980, 225 pp.
107. Sobey, R.J. and Colman, E.J., The Nonlinear Schroedinger Equation and Natural Wave Trains, Research Bulletin No. CS21, Department of Civil and Systems Engineering, James Cook University, April 1980, 29 pp.
108. Young, I.R. and Sobey, R.J., Numerical Prediction of Tropical Cyclone Wind Waves, Research Bulletin No. CS20, Department of Civil and Systems Engineering, James Cook University, July 1981, 378 pp.
109. Bode, L., Mason, L.B., Sobey, R.J. and Stark, K.P., Hydrodynamic Studies of Water Movement within the Great Barrier Reef Region - I. Preliminary Investigations, Research Bulletin No. CS27, Department of Civil and Systems Engineering, James Cook University, October 1981, 125 pp.
110. Colman, E.J. and Sobey, R.J., Analysis and Synthesis of Natural Wave Trains in Deep Water, Research Bulletin No. CS23, Department of Civil and Systems Engineering, James Cook University, March 1982, 106 pp.
111. Bode, L. and Sobey, R.J., Hurricane Storm Surge, Report UCB-84/05, Hydraulic Engineering Laboratory, University of California, Berkeley, May 1984, 111 pp.

112. Sobey, R.J., A review of wave parameter statistics and spectral forms, Report to Woodside Offshore Petroleum Pty. Ltd., Perth, Australia, January 1988, 66 pp.
113. Sobey, R.J., Wave kinematics, Report to Chevron Oil Field Research Company, La Habra, CA, January 1990, 36 pp.
114. Sobey, R.J., Morro Bay/Cayucos Wastewater Treatment Facility outfall - Discharge of combined sewage- desalination effluent, Report to Levine-Fricke, Inc., Emeryville, CA, December 1991, 11 pp.
115. Sobey, R.J., Physical processes in the transport of surface oil slicks, Report to Philip Williams & Associates, Ltd., San Francisco, CA, June, 1992, 13 pp.
116. Sobey, R.J., Vector wind fields within San Francisco Bay for 1990/91, Report to Philip Williams & Associates, Ltd., San Francisco, CA, July, 1992, 3 pp and diskette.
117. Sobey, R.J., Redondo Beach Pier (Wave loading), Report to Ben C. Gerwick, Inc., San Francisco, CA, December 1992, 5 pp.
118. Sobey, R.J., Exxon Valdez oil spill - Impact of initial recovery, Report to Ecological Consultants, Inc., Portland, OR, July 1993, 5 pp.
119. Sobey, R.J., Coastal analysis for LOMR application at Brickyard Cove, Report to W.B. Clausen, Structural Engineers, Inc., Oakland, CA, January 1994, 11 pp.
120. Sobey, R.J., Review of Report 'Effects of artificial kelp reefs on beaches', Report to California Coastal Commission, Santa Barbara, CA, July 1994, 8 pp.
121. Sobey, R.J., Review of San Dieguito Lagoon restoration project tidal hydrologic studies by MEC Analytical Systems, Report to California Coastal Commission, Santa Barbara, CA, July 1994, 31 pp.
122. Sobey, R.J., Wave and storm tide analysis for LOMR application at The Tides Restaurant, Bodega Harbor, Report to Warren Fuller, Architect/Builder, Oakland, CA, December, 1994, 18 pp.
123. Sobey, R.J., Tidal elevation summaries for Indian Creek and Hansey Creek off Maurice River Cove, NJ, Report to Philip Williams & Associates, San Francisco, CA, January, 1995. Revised April, 1995, 27 pp.
124. Barker, C.H. and Sobey, R.J., Directional irregular wave kinematics, Technical Report CHL-98-24, US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, September 1998, 175 pp.

B2. Non-refereed Publications/Conference and Symposium Proceedings

125. Sobey, R.J., "Two Aspects of the Physics of Warm Water Discharges," Procs., 5th Australasian Conference on Hydraulics and Fluid Mechanics, Christchurch, December 1974, 2, pp. 399-405.
126. Sobey, R.J., "The Generation and Propagation of Cyclonic Storm Surges," Procs., Annual Engineering Conference, Institution of Engineers, Australia, Townsville, May 1976, pp. 284-289.
127. Sobey, R.J. and Harper, B.A., "Tropical Cyclone Surge Penetration Across the Great Barrier Reef," Procs., 3rd Australian Conference on Coastal and Ocean Engineering, Melbourne, April 1977, pp. 58-63.
128. Sobey, R.J., "Pollutant Transport in an Estuarine System," Procs., Symposium on Water Management and Drainage in North Queensland, Water Research Foundation, Innisfail, September 1977, 13 pp.
129. Sobey, R.J. and Mitchell, G.M., "Hydrodynamic Loading on Circular Piles," Procs., 6th Australasian Hydraulics and Fluid Mechanics Conference, Institution of Engineers, Australia, Adelaide, December 1977, pp. 253-256.
130. Sobey, R.J., "Statistical Prediction of Extreme Waves Behind the Great Barrier Reef," Procs., 4th Australian Conference on Coastal and Ocean Engineering, Adelaide, November 1978, pp. 39-43.
131. Sobey, R.J. and Young, I.R., "A Predictive Model of Hurricane Wind-Waves," Procs., ASCE Hydraulics Division Specialty Conference on Computer and Physical Modeling in Hydraulic Engineering, Chicago, August 1980, pp. 333-344.
132. Young, I.R. and Sobey, R.J., "A Predictive Model of Tropical Cyclone Wind Waves," Procs., 7th Australasian Hydraulics and Fluid Mechanics Conference, Brisbane, October 1980, pp. 480-483.
133. Young, I.R. and Sobey, R.J., "Wave Prediction Techniques in the Nearshore Environment," Procs., Environmental Engineering Conference, Institution of Engineers, Australia, Townsville, July 1981, pp. 154-158.
134. Sobey, R.J., Young, I.R. and Mills, A.B., "Hindcasting Total Water Level Hydrographs in a Tropical Cyclone Environment," Procs., 5th Australian Conference on Coastal and Ocean Engineering, Perth, November 1981, pp. 258-262.
135. Young, I.R. and Sobey, R.J., "Wave Decay to Adverse Winds," Procs., 6th Australian Conference on Coastal Engineering, Gold Coast, July 1983, pp. 37-41.

136. Bode, L. and Sobey, R.J., "The Open Boundary Problem for Wind Driven Circulations," Procs., 8th Australasian Hydraulics and Fluid Mechanics Conference, Newcastle, November 1983, pp. 4A.1-4A.4.
137. Bode, L., Volker, R.E. and Sobey, R.J., "Two-Dimensional Convection Dispersion with Moving Coordinates," Procs., 9th Australasian Hydraulics and Fluid Mechanics Conference, Christchurch, December 1985, pp. 433-443.
138. Sobey, R.J., "Exact and Approximate Solutions for Breakwater Gap Diffraction," Procs., West Coast Regional Coastal Design Conference, Oakland, November 1985, pp. 6-17.
139. Sobey, R.J. and Goodwin, P., "Which Wave Theory?," Procs., IBM Academic Information Systems University AEP Conference, San Diego, April 1986, pp. V215-V230.
140. Thieke, R.J. and Sobey, R.J., "Integral Model of the Nearshore Zone," Procs., ASCE Specialty Conference on Coastal Hydrodynamics, Newark, Delaware, June 1987, pp. 306-316.
141. Sobey, R.J., "Wave theory predictions of crest kinematics," Procs., NATO Advanced Research Workshop on Water Wave Kinematics, Molde, Norway, May 1989, Kluwer Academic Publishers, Dordrecht, pp. 215-231.
142. Xu, J. and Sobey, R.J., "Tidal propagation in a distorted model," Procs., ASCE Hydraulics 93, San Francisco, July, 1993, 1, pp. 665-670.
143. Shrestha, P.L., Saviz, C.M., Orlob, G.T., King, I.P., Sobey, R.J., and Ford, R.G., "San Francisco Bay and Delta hydrodynamic simulation and oil spill fate studies - Part I: Hydrodynamic simulation," Procs., ASCE Hydraulics 93, San Francisco, July, 1993, 1, pp. 635-640.
144. Ford, R.G., Sobey, R.J., Shrestha, P.L., Saviz, C.M., Orlob, G.T., King, I.P., "San Francisco Bay and Delta hydrodynamic simulation and oil spill fate studies - Part II: Oil spill simulation," Procs., ASCE Hydraulics 93, San Francisco, July, 1993, 1, pp. 641-646.
145. Tzivanaki, K., Tournas, E. and Sobey, R. J., "Wave measurement by digital videophotogrammetry", Procs., PACON 2001, Burlingham, 2001, pp. 244-247, published on CD-ROM.

B3. Non-refereed Publications/Articles in Non-archival Magazines or Journals

146. Sobey, R.J., "Design Waves and Design Water Levels - Field Data Analysis and Interpretation," Chapter S in Design for Tropical Cyclones, Department of Civil and Systems Engineering, James Cook University, September 1978, 13 pp.

147. Sobey, R.J., "Design Waves and Design Water Levels - Extreme Value Analysis of Historical Data," Chapter T in Design for Tropical Cyclones, Department of Civil and Systems Engineering, James Cook University, September 1978, 11 pp.
148. Sobey, R.J., "Hydrodynamic Loading on Slender Coastal Structures," Chapter V in Design for Tropical Cyclones, Department of Civil and Systems Engineering, James Cook University, September 1978, 12 pp.
149. Sobey, R.J., "Winds, Waves and Tides - the Ocean Interface," Short Course on Physical Processes in Estuarine and Coastal Wetland Management, Berkeley, June, 1992, Lecture 4.
150. Sobey, R.J., "Tides, Winds and Waves - the Ocean Interface to Coastal Wetlands," Short Course - Physical Processes influencing the Management of Mugu Lagoon, Prepared for Environmental Division, Naval Air Station, Point Mugu CA, by Philip Williams & Associates Ltd., June, 1995, Lecture 1.
151. Sobey, R.J., "Linear and Nonlinear Wave Theory", Advanced Short Course Notes, Leichtweiß-Institut für Wasserbau, Technische Universität Braunschweig, July 1997.
 - "Linear Wave Theory", 49 pp
 - "NonLinear Wave Theory", 48 pp
152. Sobey, R.J., "Nonlinear Wave Theory", Short Course Notes, Coastal and Hydraulics Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg MS, January 1998.
153. Sobey, R.J., "Wave Transformation", Advanced Short Course Notes, Leichtweiß-Institut für Wasserbau, Technische Universität Braunschweig, July 1998.
 - "Diffraction" 39 pp.
 - "Refraction", 48 pp.
 - "Wave Evolution", 35 pp.
154. Sobey, R.J., "Boundary Layers, Jets, Plumes, Mixing and Dispersion", Short Course Notes, Coastal and Hydraulics Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg MS, January 1999.
155. Sobey, R.J., "Real Sea States", Advanced Short Course Notes, Leichtweiß-Institut für Wasserbau, Technische Universität Braunschweig, July 1999.
 - "Real Sea States - Spectral Structure", 33 pp.
 - "Real Sea States - Height and Period Structure", 29 pp.
 - "Real Sea States - Wave Grouping", 13 pp.

- "Wave Climate", 45 pp.
156. Sobey, R.J., "Real Sea States", Short Course Notes, Coastal and Hydraulics Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg MS, January 2000.
157. Sobey, R.J., "Long Waves", Short Course Notes, Coastal and Hydraulics Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg MS, January 2001.
- "Astronomical Tides", 36 pp.
 - "Tidal Circulation in Estuaries and Wetlands", 61 pp.
 - "Storm Tides", 35 pp.
 - "Analytical Solution of the Wave Equation", 14 pp.
158. Sobey, R.J., "Irregular Waves and their Generation", Advanced Short Course Notes, Leichtweiß-Institut für Wasserbau, Technische Universität Braunschweig, September, 2002.
- "Irregular Wave Kinematics", 36 pp.
 - "Wind Wave Generation and Prediction", 40 pp.
 - "Wave Climate", 45 pp.

C. Books and Chapters in Books

159. Battjes, J.A., Sobey, R.J. and Stive, M.J.F., "Nearshore Circulation," Chapter 13 in Ocean Engineering Science: The Sea - Volume 9, B. Le Mehauté and D.M. Hanes (Editors), John Wiley & Sons, New York, 1990, pp. 467-493.
160. Sobey, R.J., "Coastal Hydrodynamics," McGraw-Hill, (in preparation, 2002).