

## Appendix A: Bibliography

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- Adie, D. W. 1984. *Marinas: A Working Guide to Their Development and Design*. The Architectural Press Ltd., London.
- American Institute of Timber Construction (AITC). 1985. *Timber Construction Manual*. 3rd ed., John Wiley & Sons, New York, NY.
- American Society of Civil Engineers (ASCE). 1993. "Minimum Design Loads for Buildings and Other Structures," revision of ANSI/ASCE 7-88, New York, NY. (This publication was approved by the American National Standards Institute [ANSI] on May 12, 1994.)
- ASCE. 1994. "Planning and Design Guidelines for Small Craft Harbors," Manual 50, New York, NY.
- American Society of Testing and Materials (ASTM). *Annual Book of Standards*. ASTM, 1916 Race St., Philadelphia, PA 19103-1187.
- Andrew, Michael E., Smith, Orson P., and McKee, Jane M. 1985. "Extremal Analysis of Hindcast and Measured Wind and Wave Data at Kodiak, Alaska," TR CERC 85-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Bruun, P., ed. 1985. *The Design and Construction of Mounds for Breakwaters and Coastal Protection*. Elsevier, Science Publishers, New York.
- Bruun, P. 1989. *Port Engineering*. 4th ed., vols. 1 and 2. Gulf Publishing Co., Houston, TX.
- California Dept. of Boating and Waterways. 1984. *Layout and Design Guidelines for Small Craft Berthing Facilities*.
- California Dept. of Boating and Waterways. 1991. *Layout, Design, and Construction Handbook for Small Craft Boat Launching Facilities*.
- Camfield, Frederick E. 1980. "Tsunami Engineering," Special Report No. 6, U.S. Army Coastal Engineering Research Center, Ft. Belvoir, VA.
- CEDRS. (See McAneny and Jones.)
- Chasten, Monica A. *et al.* 1993. "Engineering Design Guidance for Detached Breakwaters as Shoreline Stabilization Structures," TR CERC 93-19, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Cialone, Mary A. *et al.* 1992 and Cialone, Mary A. 1991. "Coastal Modeling System User's Manual," IR CERC 91-1, Final Report and Supplement 1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- CIRIA/CUR. 1991. "Manual on the Use of Rock in Coastal and Shoreline Engineering," Construction Industry Research and Information Association Special Publication 83, Rotterdam, Netherlands.
- Dalrymple, Robert A., *et al.* *The Coastal Engineering Page*, Ocean Engineering Laboratory, University of Delaware, Newark, DE.
- Davis, R.E., Foote, F.S., Anderson, J.M., and Mikhail, E.M. 1981. *Surveying: Theory and Practice*. 6th ed., McGraw-Hill, Inc., New York, NY.
- Eckert, James, and Callender, Gordon. 1987. "Geotechnical Engineering in the Coastal Zone," IR CERC 87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Federal Highway Administration. 1991. *Bridge Inspector's Training Manual*. U.S. Department of Transportation, Washington, D.C.
- Gaythwaite, J.W. 1988. "Practical Aspects of Floating Breakwater Design," Permanent International Association of Navigation Congresses (PIANC) Reprint Bulletin No. 63, General Secretariat, Brussels, Belgium.
- Goda, Y. 1985. *Random Seas and Design of Maritime Structures*. University of Tokyo Press, Japan.
- Harris, D.L. 1981. "Tides and Tidal Datums in the United States," Special Report No. 7, U.S. Army Coastal Engineering Research Center, Ft. Belvoir, VA.
- Herbich, J., ed. 1990. *Handbook of Coastal and Ocean Engineering*. Vols. 1 and 2, Gulf Publishing Co., Houston, TX.
- International Conference of Building Officials (ICBO). 1991. *Uniform Building Code Standards*. ICBO, 5360 S. Workman Mill Rd., Whittier, CA 90601.

- LaBelle, J., Wise, J., Voelker, R., Schulze, R., and Wohl, G. 1983. *Alaska Marine Ice Atlas*. Environment and Natural Resources Institute, Univ. of Alaska, Anchorage.
- Leeknecht, David A., Szuwalksi, A., and Sherlock, Ann R. 1992. "Automated Coastal Engineering System," U.S. Army Coastal Engineering Research Center, Waterways Experiment Station, Vicksburg, MS.
- Markle, Dennis G., and Cialone, Mary A. 1987. "Wave Transmission Characteristics of Various Floating and Bottom-Fixed Rubber-Tire Breakwaters in Shallow Water," MP CERC-87-8, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- McAneny, Danielle S., and Jones, Doyle L. 1993. "Coastal Engineering Data Retrieval System (CEDRS), Alaska District, Region 18, Coast of Alaska," computer program with user's guide, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- McCartney, B. L. 1985. "Floating Breakwater Design," *Journal of Waterway, Port, Coastal and Ocean Engineering*, American Society of Civil Engineers, Vol. 111, No. 2.
- McGehee, D.D., and Leslie, L.D. 1991. "Alaska Wave Data Index," Miscellaneous Paper CERC-91-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Meisburger, Edward P. 1993. "Review of Geologic Data Sources for Coastal Sediment Budgets," IR CERC 93-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Miller, D. S. 1974. "Practical Applications of Floating Breakwaters for Small Craft Harbors," Alaska Division of Water and Harbors, Juneau, AK.
- Moffat and Nichol Engineers. 1983. "Construction Materials for Coastal Structures," Special Report No. 10, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA.
- Morang, Andrew, Mossa, Joann, and Larson, Robert J. 1993. "Technologies for Assessing the Geologic and Geomorphic History of Coasts," TR CERC 93-5, U.S. Army Corps of Engineers, Washington, DC 20314-1000.
- National Climatic Data Center. 1988. "Climatic Atlas of the Outer Continental Shelf Waters and Coastal Regions of Alaska," 3 volumes, Asheville, NC.
- National Oceanographic and Atmospheric Administration (NOAA), National Data Buoy Center. 1992. "NDBC Data Availability Summary," Pub. 1801-24-02, Stennis Space Center.
- NAVFAC. (See U.S. Naval Facilities Engineering Command.)
- Nece, Ronald; Richey, Eugene; Rhee, Joonpyo; and Smith, Harvey. 1979. "Effects of Planform Geometry on Tidal Flushing and Mixing in Marinas," Technical Report 62, Department of Civil Engineering, University of Washington, Seattle, Washington, 98195.
- Nelson, Eric E., and Broderick, Laurie L. 1986. "Floating Breakwater Test Program: Seattle, Washington," MP CERC 86-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- NOAA. (See National Oceanographic and Atmospheric Administration.)
- NOAA, National Ocean Survey. 1976. *Hydrographic Manual*, 4th ed., U.S. Govt. Print. Off., Washington, DC.
- NOAA, National Ocean Survey. 1981. "Tidal Currents," Educational Pamphlet #4, Rockville, MD.
- NOAA, National Ocean Survey. 1994. *Tidal Current Tables, Pacific Coast of North America and Asia*. NOAA Distribution Branch, 6501 Lafayette Ave., Riverdale, MD 20737.
- NOAA, National Ocean Survey. 1994. *Tide Tables, Western Coast of North and South America, including the Hawaiian Islands*. NOAA Distribution Branch, 6501 Lafayette Ave., Riverdale, MD 20737.
- Northwest Hydraulic Consultants. 1980. "Study to Determine Acceptable Wave Climate in Small Craft Harbour," Canadian Manuscript Report No. 1581, Vancouver, British Columbia.
- Parker, Bruce B., ed. 1991. *Tidal Hydrodynamics*. NOAA, National Ocean Service, John Wiley & Sons, Inc., New York.
- Permanent International Association of Navigation Congresses (PIANC). 1979. "Standards for the Construction, Equipment and Operation of Yacht Harbour Operations with Special Reference to the Environment," Supplement to Bulletin No. 33, Vol. 2, General Secretariat, PIANC, Brussels, Belgium.

- PIANC. 1980. "Design of Breakwaters for Yacht Harbours with Particular Reference to the following: Navigation of Yachts Entering and Leaving Harbour, Protective Measures Against Shoaling and Seaweed, and Limited Depth of Yacht Harbour as Compared with Commercial Harbour," Report of the 3rd International Commission for Sport and Pleasure Navigation, Supplement to Bulletin No. 38, Vol. 1, General Secretariat, PIANC, Brussels, Belgium.
- PIANC. 1984. "Report of the International Commission for Improving the Design of Fender System," Supplement to Bulletin No. 45, General Secretariat, PIANC, Brussels, Belgium.
- PIANC. 1986. "List of Sea State Parameters," Supplement to Bulletin No. 52, General Secretariat, PIANC, Brussels, Belgium.
- PIANC. 1987. "Guidelines for the Design and Construction of Flexible Revetments Incorporating Geotextiles for Inland Waterways," Supplement to Bulletin No. 57, General Secretariat, PIANC, Brussels, Belgium.
- PIANC. 1991. "Guidance on Facility and Management Specification for Marine Yacht Harbours and Inland Waterway Marinas with Respect to User Requirements," Supplement to Bulletin No. 75, General Secretariat, PIANC, Brussels, Belgium.
- PIANC. 1992. "Guidelines for the Design and Construction of Flexible Revetments Incorporating Geotextiles in Marine Environment," Supplement to Bulletin 78/79, General Secretariat, PIANC, Brussels, Belgium.
- Pile Buck, Inc. 1990. *Bulkheads, Marinas, and Small Boat Facilities*. Jupiter, FL.
- Pile Buck, Inc. 1990. *Coastal Construction*. Jupiter, FL.
- Pile Buck, Inc. 1990. *Harbors, Piers, and Wharves*. Jupiter, FL.
- Pile Buck, Inc. 1990. *Protection, Inspection and Maintenance of Marine Structures*. Jupiter, FL.
- Pile Buck, Inc. 1992. *Coastal Protection*. Jupiter, FL.
- Shore Protection Manual*. 1984. 4th ed., 2 vols. U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, U.S. Government Print. Off., Washington, DC.
- Tobiasson, B. O., and Kollmeyer, R. C. 1991. *Marinas and Small Craft Harbors*. Van Nostrand Reinhold, Inc., New York.
- Tobiasson, B.O. and Kollmeyer, R.C. 2000. *Marinas and Small Craft Harbors, Second Edition*. Maryland: Bruce O. Tobiasson.
- Tsinker, G. P. 1986. *Floating Ports, Design and Construction Practices*. Gulf Publishing Co., Houston, TX.
- USACE. (See U.S. Army Corps of Engineers.)
- U.S. Army. 1990. *Port Construction and Repair*. Headquarters, Department of the Army, Washington, D.C.
- U.S. Army Corps of Engineers (USACE). 1980. "Layout and Design of Shallow-Draft Waterways," Engineer Manual (EM) 1110-2-1611, Washington, D.C.
- U.S. Army Corps of Engineers. 1981. *Low Cost Shore Protection ... a Guide for Engineers and Contractors*, Washington, D.C.
- U.S. Army Corps of Engineers. 1982. "Ice Engineering," EM 1110-2-1612, Washington, DC.
- U.S. Army Corps of Engineers. 1983. "Dredging and Dredged Material Disposal," EM 1110-2-5025, Washington, D.C.
- U.S. Army Corps of Engineers. 1983. "Hydraulic Design of Deep-draft Navigation Projects," EM 1110-2-1613, Washington, D.C.
- U.S. Army Corps of Engineers. 1983. "Wind and Wave Hindcast Study for Selected Alaskan Harbors," Waterways Experiment Station, Vicksburg, MS.
- U.S. Army Corps of Engineers. 1984. "Hydraulic Design of Small Boat Harbors," EM 1110-2-1615, Washington, D.C.
- U.S. Army Corps of Engineers. 1985. "Design of Coastal Revetments, Seawalls and Bulkheads," EM 1110-2-1614, Washington, D.C.
- U.S. Army Corps of Engineers. 1986. "Design of Breakwaters and Jetties," EM 1110-2-2904, Washington, D.C.
- U.S. Army Corps of Engineers. 1986. "Storm Surge Analysis," EM 1110-2-1412, Washington, D.C.

- U.S. Army Corps of Engineers. 1987. "Confined Disposal of Dredged Materials," EM 1110-2-5027, Washington, D.C.
- U.S. Army Corps of Engineers. 1987. "Geotechnical Engineering in the Coastal Zone," IR CERC 87-1, Waterways Experiment Station, Vicksburg, MS.
- U.S. Army Corps of Engineers. 1989. "Environmental Engineering for Coastal Protection," EM 1110-2-1204, Washington, D.C.
- U.S. Army Corps of Engineers. 1989. "Water Levels and Wave Heights for Coastal Engineering Design," EM 1110-2-1414, Washington, D.C.
- U.S. Army Corps of Engineers. 1990. "Hydrographic Surveying," EM 1110-2-1003, Washington, D.C.
- U.S. Army Corps of Engineers. 1990. "Winter Navigation on Inland Waterways," EM 1110-8-1, Washington, D.C.
- U.S. Army Corps of Engineers. 1991. "Design of Pile Foundations," EM 1110-2-2906, Washington, D.C.
- U.S. Army Corps of Engineers. 1991. "Tidal Hydraulics," EM 1110-2-1607, Washington, D.C.
- U.S. Army Corps of Engineers. 1992. "Coastal Littoral Transport," EM 1110-2-1502, Washington, D.C.
- U.S. Army Corps of Engineers. 1992. "Engineering and Design--Coastal Groins and Nearshore Breakwaters," EM 1110-2-1617, Vicksburg, MS.
- U.S. Army Corps of Engineers. 1993. "Coastal Project Monitoring," EM 1110-2-1004, Washington, D.C.
- U.S. Army Corps of Engineers. 1993. "Environmental Engineering for Small Boat Basins," EM 1110-2-1206, Washington, D.C.
- U.S. Army Corps of Engineers. 1993. "Photogrammetric Mapping," EM 1110-2-1000, Washington, D.C.
- U.S. Army Corps of Engineers. 1994. "Coastal Geology," EM 1110-2-1810, Washington, D.C.
- U.S. Army Corps of Engineers. 1994. "Design of Sheet Pile Walls," EM 1110-2-2504, Washington, D.C.
- U.S. Army Corps of Engineers (in preparation). "Beach Fills," EM 1110-2-3301, Washington, D.C.
- U.S. Army Engineer District, Alaska, and the Alaska Department of Transportation and Public Facilities. 1982-85. "Alaska Coastal Data Collection Program," 4 vols. Anchorage, AK.
- U.S. Army Engineer District, Alaska, and Alaska Department of Transportation and Public Facilities (DOT&PF). 1992. "Alaska Harbor Management System," 16 vols., Anchorage, AK.
- U.S. Naval Facilities Engineering Command (NAVFAC). 1979. "Navigational and Traffic Aids," Design Manual 23.2, Alexandria, VA.
- U.S. Naval Facilities Engineering Command. 1981. "Ferry Terminals and Small Craft Berthing Facilities," Design Manual 25.5, Alexandria, VA.
- U.S. Naval Facilities Engineering Command. 1981. "Harbors," Design Manual 26.1, Alexandria, VA.
- U.S. Naval Facilities Engineering Command. 1985. "Fleet Moorings: Basic Criteria and Planning Guidelines," Design Manual 26.5, Alexandria, VA.
- U.S. Naval Facilities Engineering Command. 1986. "Fixed Moorings," Design Manual 26.4, Alexandria, VA.
- U.S. Naval Facilities Engineering Command. 1987. "Engineering and Design Criteria for Navy Facilities," Design Manual P 34, Alexandria, VA.
- U.S. Naval Facilities Engineering Command. 1987. "Military Handbook: Piers and Wharves," MIL-HDBK-1025/1, Norfolk, VA.
- U.S. Naval Facilities Engineering Command. 1988. "Military Handbook: Dockside Utilities for Ship Service," MIL-HDBK-1025/2, Norfolk, VA.
- U.S. Naval Facilities Engineering Command. 1988. "Military Handbook: Seawalls, Bulkheads, and Quay Walls," MIL-HDBK-1025/4, Norfolk, VA.
- United States Steel. 1983. "Steel Sheet Piling Handbook," ADUSS 25-6216-04, 600 Grant Street, Pittsburgh, PA 15230.
- Van der Meer, J.W. and Stam, C.M. 1992. "Wave Runup on Smooth and Rock Slopes of Coastal Structures," *Jour. of Waterway, Port, Coastal, and Ocean Engineering* 118(5), 534-50.
- Western Canada Hydraulic Laboratories Ltd. 1981. "Development of Manual for the Design of Floating Breakwaters," DSS Contract No. 15Z79-00268,

prepared for Small Craft Harbours Branch, Ottawa, Ontario.

Whiteneck, L. L., and Hockney, L. A. 1989. *Structural Materials for Harbor and Coastal Construction*. McGraw-Hill, Inc, New York.

Wise, James L., Comiskey, Albert L., and Becker, Richard Jr. 1981. "Storm Surge Climatology and Forecasting in Alaska," Arctic Environmental Information and Data Center, University of Alaska, Anchorage.

Wortley, C. A. 1990. "Docks and Marinas Bibliography," Department of Engineering Professional Development, College of Engineering, University of Wisconsin, Madison, WI.