

Appendix A References

EM 1110-2-1601

Hydraulic Design of Flood Control Channels

EM 1110-2-1612

Ice Engineering

EM 1110-2-1901

Seepage Analysis and Control for Dams

EM 1110-2-2000

Standard Practice for Concrete for Civil Works Structures

EM 1110-2-2300

Earth and Rock-fill Dams General Design and Construction Considerations

EM 1110-2-2906

Design of Pile Foundations

EM 1110-2-3300

Beach Erosion Control and Shore Protection Studies

CW 02215

Geotextiles Used as Filters

Shore Protection Manual (SPM), 4th ed., Vols I and II, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center. Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Automated Coastal Engineering System (ACES), vers. 1.06, 1990, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center. Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Low-Cost Shore Protection: Final Report on the Shoreline Erosion Control Demonstration Program (Section 54). 1981. Available from Department of the Army, Office of the Chief of Engineers, Pulaski Building, Washington, DC 20314-1000.

Ahrens 1975

Ahrens, J. P. 1975 (May). "Large wave tank tests of riprap stability," CERC Technical Memorandum 51, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Ahrens 1981a

Ahrens, J. P. 1981 (Dec). "Design of riprap revetments for protection against wave attack," CERC Technical Paper 81-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Ahrens 1981b

Ahrens, J. P. 1981 (Dec). "Irregular wave runup on smooth slopes," CERC Coastal Engineering Technical Aid 81-17, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Ahrens 1987

Ahrens, J. P. 1987 (Dec). "Characteristics of reef breakwaters," CERC Technical Report 87-17, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Ahrens and Heimbaugh 1988

Ahrens, J. P. and Heimbaugh, M. S. 1988 (May). "Approximate upper limit of irregular wave runup on riprap," Technical Report CERC-88-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Asphalt Institute 1965

The Asphalt Institute. 1965 (Mar). "Asphalt in hydraulic structures," Manual Series No. 12, College Park, MD.

Barnard 1978

Barnard, W. D. 1978 (Aug). "Prediction and control of dredged material dispersion around dredging and open-water pipeline disposal operations," Technical Report DS-78-13, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Birkemeier 1980

Birkemeier, W. 1980. "The effect of structures and lake level on bluff and shore erosion in Berrien County, Michigan, 1970-74," CERC Miscellaneous Paper 80-2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Brater et al. 1974

Brater, E. F., et al. 1974 (Nov). "Michigan's demonstration erosion control program," Evaluation Report, Michigan Department of Natural Resources, Lansing, MI.

Brebner and Donnelly 1962

Brebner, A., and Donnelly, P. 1962. "Laboratory study of rubble foundations for vertical breakwaters," Engineer Report No. 23, Queen's University at Kingston, Ontario.

Broderick 1983

Broderick, L. 1983 (Mar). "Riprap stability, a progress report." *Proceedings Coastal Structures '83*, Arlington, VA.

Camfield 1991

Camfield, F. E. 1991 (Jan/Feb). "Wave forces on wall," *Journal of Waterway, Port, Coastal, and Ocean Engineering Division, American Society of Civil Engineers* 117 (1), 76-9.

Carstea et al. 1975a

Carstea, D., et al. 1975. "Guidelines for the analysis of the cumulative environmental effects of small projects in navigable waters," Mitre Technical Report MTR 6939, U.S. Army Corps of Engineers, Washington, DC.

Carstea et al. 1975b

Carstea, D., et al. 1975. "Guidelines for the environmental impact assessment of small structures and related activities in coastal bodies of water," Technical Report MTR-6916, The Mitre Corp., McLean, VA.

Chen et al. 1981

Chen, Y. H., et al. 1981 (Sep). "Hydraulic testing of plastic filter fabrics," *Journal, Irrigation and Drainage Division, American Society of Civil Engineers* 107 (IR3), 307-24.

Corson et al. 1981

Corson, W. D., et al. 1981 (Jan). "Atlantic Coast hind-cast, deepwater significant wave information," Wave Information Study Report 2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

d'Angremond et al. 1970

d'Angremond, K., et al. 1970. "Use of asphalt in break-water construction." *Twelfth International Conference on Coastal Engineering*, 1601-27.

Dunham and Barrett 1974

Dunham, J. W., and Barrett, R. J. 1974 (Feb). "Woven plastic cloth filters for stone seawalls," *Journal, Waterways, Harbors, and Coastal Engineering Division, American Society of Civil Engineers* 100, (WW1), 13-22.

Ebersole 1982

Ebersole, B. A. 1982 (Apr). "Atlantic Coast water-level climate," WIS Report 7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Eckert 1983

Eckert, J. W. 1983. "Design of toe protection for coastal structures," *Coastal Structures '83 ASCE Specialty Conference*, 331-41.

Escoffier and Dolive 1954

Escoffier, F. F., and Dolive, W. L. 1954 (July). "Shore protection in Harrison County, Mississippi," *Bulletin of the Beach Erosion Board*, 8 (3).

Everts et al. 1980

Everts, C., et al. 1980. "Beach and inlet changes at Ludlam Beach, New Jersey," CERC Miscellaneous Report 80-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Ford et al. 1983

Ford, J. C., et al. 1983. "An annotated bibliography on the biological effects of construction channels, jetties, and other coastal structures," CERC Miscellaneous Paper 83-2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Giles 1978

Giles, M. L. 1978. "Evaluation of a concrete building block revetment," *Coastal Sediments '77 ASCE Specialty Conference*, 686-95.

Goda 1975

Goda, Y. 1975. "Irregular wave deformation in the surf zone," *Coastal Engineering in Japan*, Vol. 18.

Goda 1985

Goda, Y. 1985. *Random seas and design of maritime structures*. University of Tokyo Press.

Goda 1987

Goda, Y. 1987. "Statistical variability of sea state parameters as a function of wave spectrum," AIRH Seminar.

Hall and Jachowski 1964

Hall, J. V., Jr., and Jachowski, R. A. 1964 (Jan). "Concrete block revetment near Benedict, Maryland," CERC Miscellaneous Paper 1-64, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Hall 1967

Hall, J. V., Jr. 1967. "Wave tests of revetment using machine-produced interlocking blocks." *Tenth International Conference on Coastal Engineering*, 1025-35.

Harris 1981

Harris, D. L. 1981 (Feb). "Tides and tidal datums in the united states," CERC Special Report No. 7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Hudson 1961

Hudson, R. Y. 1961. "Wave forces on rubble-mound breakwaters and jetties," Miscellaneous Paper 2-453, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Hudson 1974

Hudson, R. Y. 1974 (Jan). "Concrete armor units for protection against wave attack," Miscellaneous Paper H-74-2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Hudson et al. 1979

Hudson, R. Y., et al. 1979. "Coastal hydraulic models," CERC Special Report 5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Hughes and Borgman 1987

Hughes, S. A., and Borgman, L. E. 1987 (Jun). "Beta-rayleigh distribution for shallow water wave heights," *Proceedings of Conference Sponsored by WW Div./ASCE*, Newark, DE.

Hurme 1979

Hurme, A. E. 1979. "Rubble-mound structures as artificial reefs." *Coastal Structures '79 ASCE Specialty Conference*, Vol 2, 1042-51.

Johnson and DeWitt 1978

Johnson, G. F., and DeWitt, L. A. 1978. "Ecological effects of an artificial island, Rincon Island, Punta Gorda, California," CERC Miscellaneous Report 78-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Kaiser Aluminum and Chemical Sales 1979

Kaiser Aluminum and Chemical Sales. 1979. "A practical design method for flexible marine retaining walls." Oakland, CA.

Leenknecht et al. 1989

Leenknecht, D. A., Szuwalski, A., Sherlock, A. R., and George, M. 1989 (Aug). "Automated coastal engineering

system, user guide," U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Markle 1981

Markle, D. G. 1981 (Sep). "Breakwater and revetment stability study, San Juan National Historic Site, San Juan, Puerto Rico," Technical Report HL-81-11, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Markle 1982

Markle, D. G. 1982 (Nov). "Revetment stability study of Fort Fisher Historic Site, North Carolina," Technical Report HL-82-26, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Markle and Davidson 1979

Markle, D. G., and Davidson, D. D. 1979. "Placed-stone stability tests, Tilamook, Oregon," Technical Report HL-79-16, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Mather 1957

Mather, B. 1957 (Jun). "Factors affecting the durability of concrete in coastal structures," CERC Technical Memorandum 96, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

McCartney 1976

McCartney, B. L. 1976 (May). "Survey of coastal revetment types," CERC Miscellaneous Report 76-7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

McCartney and Ahrens 1975

McCartney, B. L., and Ahrens, J. P. 1975 (Oct). "Stability of gobi block revetment to wave attack," CERC Technical Memorandum 55, U. S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

McCartney and Ahrens 1976

McCartney, B. L., and Ahrens, J. P. 1976 (Dec). "Overlay of large placed quarrystone and boulders to increase riprap stability," CERC Technical Paper 76-19, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Mohl and Brown 1967

Mohl, E. V., and Brown, J. D. 1967 (Oct). "Flexible revetment using interlocking concrete blocks, Tilghman Island, Maryland," *Shore and Beach*, 28-30.

Mulvihill et al. 1980

Mulvihill, E. L., et al. 1980. *Biological impacts of minor shoreline structures on the coastal environment: State of the art review*. FWS/OBS77/51, 2 vols, U.S. Fish and Wildlife Service, Biological Services Program, Washington, DC

Ravens Metal Products 1981

Ravens Metal Products. 1981. *Ravens retaining walls technical manual*. Parkersburg, WV.

Resio and Vincent 1976-1978

Resio, D. T., and Vincent, C. L. 1976-1978. "Design wave information for the Great Lakes; Report 1 - Lake Erie; Report 2 - Lake Ontario; Report 3 - Lake Michigan; Report 4 - Lake Huron; Report 5 - Lake Superior," Technical Report H-76-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Richart and Schmertmann 1958

Richart, F. E., Jr., and Schmertmann, J. H. 1958. "The effect of seepage on the stability of sea walls." *Sixth International Conference on Coastal Engineering*, 105-28.

Schneider 1981

Schneider, C. 1981 (Mar). "The littoral environment observation (LEO) data collection program," CERC Coastal Engineering Technical Aid 81-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Stoa, P. N. 1979

Stoa, P. N. 1979 (Jul). "Wave runup on rough slopes," CERC Coastal Engineering Technical Aid 79-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Seelig 1971

Seelig, H. H. 1971. *Corrosion and corrosion control*. 2d ed., Wiley and Sons, New York.

Technical Standards for Port and Harbour Facilities in Japan 1980

Technical standards for port and harbor facilities in Japan. 1980. Overseas Coastal Development Institute of Japan, Tokyo, Japan.

Thompson and Vincent 1985

Thompson, E. F., and Vincent, C. L. 1985 (Sep). "Significant wave height for shallow water design," *ASCE Journal of Waterways, Port, Coastal and Ocean Engineering* 111 (5).

Journal of Waterways, Port, Coastal and Ocean Engineering 111 (5).

Uhlig 1971

Uhlig, H. H. 1971. *Corrosion and corrosion control*. 2nd ed., Wiley and Sons, New York.

U.S. Army Engineer Waterways Experiment Station 1957

U.S. Army Engineer Waterways Experiment Station. 1957. "Wave runup and overtopping, levee sections, Lake Okeechobee, Florida," Report No. 2-449, Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1962

U.S. Army Engineer Waterways Experiment Station. 1962. "Design of riprap cover layers for railroad relocation fills, Ice Harbor, and John Day Lock and Dam Projects," Miscellaneous Paper 2-465, Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1966

U.S. Army Engineer Waterways Experiment Station. 1966. "Investigation of in-shore harbor, Site X, Report 2, design of riprap cover layers," Technical Report 2-740, Vicksburg, MS.

United States Steel Corporation 1975

United States Steel Corporation. 1975. *Steel Sheetpiling Design Manual*. Pittsburgh, PA.

van der Meer 1988a

van der Meer, J. W. 1988 (Jan). "Deterministic and probabilistic design of breakwater armour layers," *ASCE Journal of Waterways, Port, Coastal, and Ocean Engineering* 114 (1), 66-80.

van der Meer 1988b

van der Meer, J. W. 1988 (Jan). "Rock slopes and gravel beaches under wave attack," Ph.D. Thesis Dept. of Civil Engineering, Delft Technical University. Also, Delft Hydraulics Communication No. 396, Delft, The Netherlands, Apr. 1988.

van der Meer and Pilarczyk 1987

van der Meer, J. W., and Pilarczyk, K. W. 1987 (Feb). "Stability of breakwater armour layers deterministic and probabilistic design," Delft Hydraulics Communication No. 378, Delft, The Netherlands.

Ward 1992

Ward, D. L. 1992 (Apr). "Prediction of overtopping rates for irregular waves on riprap revetments," CERC Miscellaneous Paper 92-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Ward and Ahrens 1992

Ward, D. L., and Ahrens, J. P. 1992 (Apr). "Overtopping rates for seawalls," CERC Miscellaneous Paper 92-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Weggel 1972

Weggel, J. R. 1972. "Maximum breaker height for design," *Journal, Waterways, Harbors and Coastal*

Engineering Division, American Society of Civil Engineers 98 (WW4), Paper 9384.

Wilder and Dinchak 1979

Wilder, C. R., and Dinchak, W. G. 1979. "Soil-cement for shore protection." *Coastal Structures '79 ASCE Specialty Conference*, 301-13.

Wilder and Koller 1971

Wilder, C. R., and Koller, E. R. 1971 (Oct). "Modular systems for shore protection," *Civil Engineering* 41 (10), 60-63.