

ROBERT DOLAN

Department of Environmental Sciences
University of Virginia
Charlottesville, Virginia

PERSONAL

Address - 1924 Meadowbrook Road
Charlottesville, Virginia 22903

Telephone - 804-296-4284 (Home)
804-924-0544 (Office)

EDUCATION

B.S.	Southern Oregon College	1955
M.S.	Oregon State University	1957
Ph.D.	Louisiana State University	1965

PROFESSIONAL EXPERIENCE

Research Associate Coastal Studies Institute Louisiana State University	1960-1965
Assistant Professor University of Virginia Charlottesville, Virginia	1965-1967
Associate Professor Department of Environmental Sciences University of Virginia	1967-1973
Chairman Department of Environmental Sciences University of Virginia	1969-1971
Professor Department of Environmental Sciences University of Virginia	1973-present

HONORS AND AWARDS

Distinguished Professor

University of Virginia, 1991

Outstanding Alumnus Award 1990
Southern Oregon College

Significant Contributions to the Science Program
Department of the Interior 1987

FOREIGN EXPERIENCE

Liaison Scientist, Office of Naval Research
London Branch, U.S. Navy 1983-1984

Liaison Scientist, Office of Naval Research,
London Branch, U.S. Navy 1996-1997

Consisted of traveling throughout
Europe, Africa, and the Middle East
to assess coastal and marine research
and engineering activities. Reports
published as ONR London technical reports.

PROFESSIONAL ORGANIZATIONS

Associate Editor, Journal of Coastal Research
Sigma Xi
American Shore and Beach Association
American Geophysical Union

Associate Editor, Journal of Coastal Research
Sigma Xi
American Shore and Beach Association
American Geophysical Union

PUBLICATIONS

Books

Beach Processes and Coastal Hydrodynamics. Benchmark Papers in Geology, Vol. 39, Dowden Hutchinson and Ross, Inc., (ed. with J. Fisher), 1977, 382 p.

Journal Articles and Reports

2007

2007 The history of hurricane landfalls along the Coast of North Carolina Coast. *Shore and Beach*. Vol. 76, No. 3, P. 45-54. With Jodi Smith and Harry Lins.

2006 Long-term Impacts of Tidal Inlet Bypassing on the Swash Zone Filter Feeder *Emerita tolpoida*, Oregon Inlet and Pea Island, North Carolina. *Shore and Beach*. Vol. 74, No. 1, P. 23-28. With Cinde Donoghue and Dennis Stewart.

2004-2005

2005 A New Concept for Reducing Ecological Impacts of Beach Nourishment and Tidal Inlet Bypassing *Shore and Beach*. Vol. 74, No. 1, P. 23-28. With Dennis Stewart

2005 The Outer Banks of North Carolina. US Geological Survey Professional Paper 1177. In press. 68 p. Revised and in press.

2002-2003

2001 Coastal Storms and Shoreline Change: Signal or Noise? Journal of Coastal Research. Vol. 17, No. 3. p. 714-720. M. Fenster, R. Dolan, and R. Morton).

2001 The Corps of Engineers Field Research Facility. Shore and Beach. Vol.69, No. 3, p. 3-6.

2001 The Origin of Jockeyís Ridge, North Carolina. Shore and Beach. Vol. 69, No. 6, p. 29-32. K. Runyon and R. Dolan.

2000

2000 Use of Linear Regression in the Prediction of Shoreline Changes. Accepted for publication, the Journal of Coastal Research. 32 ms pages. M. Fenster and R. Dolan.

1999

1999 Shoreline Erosion and Accretion of the Great Lakes. Map published by the U S Geological Survey and the U S Army Corps of Engineers.. Joan Pope, R. Dolan, and Judith Peatross.

1999 Erosion Hazard Areas in the City of Virginia Beach. Journal of Coastal Research. Special Issue No. 28. Pp. 58-69. M. Fenster and R. Dolan.

1996

1996 Storms and Vertical Erosion on a Beach. Journal of Coastal Research. Vol. 12, No. 2. p. 420-429. Joe Fucella and R. Dolan.

1996 The Influence Of Tidal Inlets On Adjacent Barrier Islands. Journal of Coastal Research, v. 1, p. 28-38. Mike Fenster and R. Dolan.

1996 Oregon Inlet, Storms, and Douglas Inman. Shore and Beach. Vol. 64, No. 3, pp. 3-7.

1995

1995 Coastal Storm Hazards. Chapter 8 in "Coastal Hazards" Special Issue of the Journal of Coastal Research, The Coastal Education Foundation, Fort Lauderdale, Florida. pp. 103-115. With R. Davis.

1994

1994 Large-scale Reversals in Shoreline Trends along the U.S. Mid-Atlantic Coast. Geology, v. 22, p. 543-546. With Mike Fenster.

1993

1993 Northeast Storms. American Scientist. Vol. 81. September-October, p. 25-38. With Robert Davis.

1993 The Synoptic Climatology of Atlantic Coast Northeasters. Journal of Climatology. Vol. 13, 171-189. With R. Davis.

1993 Shoreline Erosion and Accretion of the Middle Atlantic Coast States (1:2,00,000-scale map with text). U. S. Geological Survey Open-File Report 92-377. With Judith Peatross.

1993 A New Method for Predicting Shoreline Positions from Historical Data. Journal of Coastal Research. Vol. 8, No. 4, pp. 400-438. With M. Fenster and J. Elder.

1993 Historical Shoreline Trends along the Outer Banks, North Carolina: Processes and Responses. Journal of Coastal Research. Vol. 8, No. 4, pp. 371-399. With M. Fenster.

1993 Large-Scale Variations in Shoreline Changes. Proceedings, USGS Symposium for Large-scale Geological Changes. Tampa, FL. p. 123-128. With Mike Fenster.

1993 Distribution of Barrier Island Plants in Relation to Overwash Disturbance: A Test of Life History Theory. Journal of Coastal Research. Vol. 9, No. 2, pp. 403-412. With L. Fahrig and B. Hayden.

1993 Measurement of Shoreline Erosion. Proceedings, Hilton Head Island Coastal Symposium. Processes Symposium. p. 8-15. With M. Fenster.

1993 Identifying Hot Spots of Beach Erosion and Accretion. Proceedings, Hilton Head Island Coastal Symposium. p.113-119. With M. Fenster.

1993 Monitoring Shoreline Changes at Oregon Inlet Terminal Groin. Proceedings, Hilton Head Island Coastal Symposium. p. 76-83. With M. Overton, J. Fisher, W. Dennis, and H. Miller.

1993. Review of Research on Climate Change and Sea Level. Proceedings, Hilton Head Island Coastal Symposium. p. 34-42. With Larry Lisle.

1992

1992 An New Intensity Scale for Atlantic Coast Northeast Storms. Journal of Coastal Research. Vol. 8, No. 4, pp. 840-853. With R. Davis.

1992 Spatial Analysis of Shoreline Recession and Accretion. Journal of Coastal Research. Vol. 8, No. 2, pp. 263-285. With M. Fenster and S. Holme.

1992 Rating Atlantic Coast Northeasters: Mariners Weather Log. Winter, 1992. Pages 4-12. With R. Davis.

1992 The "All Hallows' Eve" Coastal Storm -- October 1991. Journal of Coastal Research. Vol. 8, No. 4, pp. 978-983. With R. Davis.

1992 Assessment of the U.S. Army Corps of Engineers Plan to Stabilize Oregon Inlet. Report to the Secretary of the Interior and the Assistant Secretary of the Army. National Park Service Report. January, 1992. 35 p.

1992 Review of the Corps of Engineers Plan to Stabilize Oregon Inlet, North Carolina. Report to the Secretary of the Interior and the directors of the National Park Service and Fish and Wildlife Service. Department of the Interior Report, Washington. 185 p.

1992 Assessment of the Potential Impact of Jetties on the Barrier Islands Adjacent to Oregon Inlet, North Carolina. Report to the Chief Scientist of the SE Region, National Park Service. 210 p.

1991

1991 Temporal Analysis of Shoreline Erosion and Accretion. Journal of Coastal Research. Vol. 7, No. 3, pp. 723-744. With M. Fenster and S. Holme.

1991 Everything You Always Wanted to Know About the Erosion of the U.S. Shorelines. Proceedings of American Coastal Society. p. 20-26. With M. Fenster and S. Holme.

1990

1990 Sinking Cities of the United States. Bulletin, Virginia Museum of Natural History. October, pp. 26-31.

1990 The March 1989 Northeast Storm. Journal of Coastal Research. v. 6, n. 2, p. 26-30. R. Dolan, Inman, and B. Hayden.

1990 Erosion of the U.S. Shorelines. Geotimes. v. 35, n. 6, p. 22-24. R. Dolan, M. Fenster, and S. Holmes.

1990 Predicted Dune Recession on the Outer Banks of North Carolina. Journal of Coastal Research. v. 7, n. 1, p. 2-13. N. DeKimpe, R. Dolan, and B. Hayden.

1990 Protection of the Bonner Bridge, Oregon Inlet, North Carolina. Technical Report, Department of the Interior, Atlanta, Ga. 46 pages.

1990 Our Shorelines are Shrinking. Journal of Urban Land Institute. v. 48, n. 11, p. 32-35.

1990 Erosion Along The Atlantic Coast. The Virginia Explorer. v. 6, n. 9, p. 8-10.

Approximately 80 additional publications 1965-1989