

## DWAYNE E. PORTER

### Work Address:

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### Education:

Ph.D.	Geographic Information Processing	University of South Carolina	1995
M.S.	GIS and Remote Sensing	University of South Carolina	1988
B.A.	Spatial Analysis	West Virginia University	1985

### Professional Experience:

2014-Present	Director of Graduate Studies, Department of Environmental Health Sciences, Arnold School of Public Health
2009-2014	Chair, Department of Environmental Health Sciences, Arnold School of Public Health
2007-2009	Interim Chair, Department of Environmental Health Sciences, Arnold School of Public Health
2006-2009	Graduate Director, Department of Environmental Health Sciences, Arnold School of Public Health
2004-Present	Associate Professor, Department of Environmental Health Sciences, Arnold School of Public Health, and Marine Science Program, USC
1998-2004	Assistant Professor, Department of Environmental Health Sciences, Arnold School of Public Health, and Marine Science Program, USC
1993-Present	Director, Geographic Information Processing Lab, and Research Associate, Baruch Institute for Marine and Coastal Sciences, USC
1994-Present	Director, NOAA National Estuarine Research Reserve System Centralized Data Management Office, Georgetown, SC
1995-Present	Associated Faculty, School of Earth, Ocean and the Environment, USC
2003-Present	Affiliated Faculty, Prevention Research Center, USC
1997-2008	Adjunct Professor, Department of Geology, College of Charleston
1996-Present	Adjunct Professor, Geophysical Department, Irkutsk State Technical University, Irkutsk, Russia
1995-1999	Research Assistant Professor of Marine Science, Marine Science Program, USC
1992-1993	Vice President for GIP and Remote Sensing, Satellite Mapping and Resources Technology, Inc., Charleston, SC
1988-1992	Geographic Information Processing Coordinator, Marine Resources Research Institute, South Carolina Wildlife and Marine Resources Department, Charleston, SC
1985-1988	Research Assistant, Humanities and Social Sciences Computing Lab, USC
1983-1985	Research Assistant, Regional Research Institute, WVU

### Boards, Committees and Professional Service:

2014-Present	Board of Trustees, EdVenture Children's Museum
2014-2017	NOAA Science Advisory Board Gulf Coast Ecosystem Restoration Science Program Advisory Working Group (Chair, 2014-2016)

- 2014 Reviewer, *Enhancing the Value and Sustainability of Field Stations and Marine Laboratories in the 21<sup>st</sup> Century*, National Research Council of the National Academies. The National Academies Press, Washington, DC.
- 2014-2015 Search Committee, Department of Exercise Science Professor and Chair, Arnold School of Public Health
- 2014 Tenure and Promotion External Reviewer, East Carolina University
- 2013-2014 South Carolina Environmental Justice Forum Advisory Committee
- 2013-2014 Student Programs Like Aquatic Science Sampling Headquarters Advisory Board
- 2013 Murrells Inlet Watershed Planning Steering Committee
- 2013 Water Quality Expert Team, NOAA Observing Systems Council Observing Systems Committee
- 2013 Proposal reviewer, Mid-Atlantic Sea Grant Regional Research Program
- 2013 Hudson River Environmental Conditions Observing System Expert Review Panel
- 2012 Proposal reviewer, Carolinas Integrated Sciences and Assessments Minigrant Program
- 2012-2013 NOAA National Integrated Drought Information System Carolinas Seafood Safety Forecast Committee
- 2012-2013 Faculty Search Committee, Earth and Sustainability Program and Department of Geography Joint Faculty, USC
- 2012 Reviewer, *IOOS Summit White Paper Series*
- 2011-2012 Carolina Nexus Planning Committee, USC
- 2011-Present Public Health Delegate, Consortium of Universities for the Advancement of Hydrologic Science, Inc.
- 2011-Present Institutional Representative, Southeast Coastal Ocean Observing System Regional Association
- 2011 Reviewer, *Journal of Urban Health*
- 2011-2012 Search Committee, School of Earth, Ocean and the Environment Director, USC
- 2011-2012 Search Committee, Prevention Research Center Director, Arnold School of Public Health
- 2010 Expert Team Reviewer, NOAA Marine Protected Areas Center MPA/IOOS Expert Team
- 2010 Search Committee, Dept. of Health Services Policy and Management Professor and Chair, Arnold School of Public Health
- 2010-Present Faculty Fellow, African American Professor Program, USC
- 2010-2013 Student Awards Committee, Arnold School of Public Health
- 2010-2013 Faculty Advisory Committee, College of Arts and Sciences
- 2009-Present Program Overview Committee, MEERM Program, College of Arts and Sciences
- 2009-2014 Data Management and Communications Committee, Gulf of Mexico Coastal Ocean Observing System
- 2009 Proposal reviewer, NOAA Cooperative Institute for Coastal and Estuarine Environmental Technology
- 2009 Proposal reviewer, Georgia Sea Grant Consortium
- 2009, 2011 Reviewer, *Journal of Physical Activity and Health*
- 2009 Reviewer, *International Journal of Health Geographics*
- 2009-Present Board of Directors, Winterhaven Association
- 2008-2012 SC Ocean Planning Task Force
- 2008-Present Town of Bluffton Water Quality Task Force
- 2007-2011 Co-chair, Southeast Ocean Data Partnership
- 2007-Present Research Workgroup, SC Public Health Consortium
- 2007-2013 SC Environmental Justice Advisory Committee
- 2008-2013 Ocean Observing Sub-panel, Ocean Research and Resources Federal Advisory Panel
- 2008 Florida Oceans and Coastal Resources Council Review Team
- 2007 Proposal review panel, NASA Coastal Management Program
- 2007 Proposal reviewer, National Geographic Society

2007 Proposal reviewer, NOAA Coastal Ocean Program  
 2007-2014 Administrative Council, Arnold School of Public Health  
 2007-2014 MPHG Admissions Committee, Arnold School of Public Health  
 2007-2009 Information Technology and Resources Committee, Arnold School of Public Health  
 2006-2011 Regional Representative, National Federation of Regional Associations DMAC Caucus  
 2006-2012 Advisory Committee, NOAA/NOS/HML Center of Excellence in Oceans and Human Health  
 2006-2010 Council of Graduate Directors, Arnold School of Public Health  
 1996-Present Delegate for USC, University Consortium on Geographic Information Sciences  
 1995-Present NOAA/ERD/NERRS Data Management Committee  
 1990-2010 South Carolina State Mapping Advisory Committee  
 2001-2010 University Information Technology Council, USC  
 1999-Present Admissions Committee, Dept. of Environmental Health Sciences  
 1999-2009 Computer Committee, College of Arts and Sciences  
 2007-2008 Study Group to Evaluate Role of the Graduate School, USC  
 2006-2008 Library and Resources Committee, Arnold School of Public Health  
 2006 Reviewer, Maryland Center for Agro-Ecology, Inc.  
 2006 Conceptual Design Review Team, National Science Foundation NEON Program  
 2006 Proposal reviewer, NOAA Coastal Hypoxia Research Program  
 2005 Proposal Review Panel, Environmental Protection Agency SBIR Wastewater Management/Pollution Indicators for Beaches and Recreational Waters  
 2005, 2006, Reviewer, *Journal of Environmental Management*  
 2008  
 2005-2007 Evaluation of Research Faculty Committee, Arnold School of Public Health  
 2004 Reviewer, *Wetlands*  
 2004, 2011 Reviewer, *GIScience and Remote Sensing*  
 2004 Proposal reviewer, National Science Foundation  
 2003 Proposal reviewer, National Fish and Wildlife Foundation  
 2003-2004 Dean's Search Committee, Arnold School of Public Health  
 2003-2005 University Libraries Scientific, Technical and Medical Information Users Task Force, USC  
 2003-2006 M/V Voyager, Inc. Board of Directors  
 2002 Proposal reviewer, NOAA Coastal Oceans Program Synthesis and Ecological Forecasting Program  
 2002 Proposal reviewer, NSF Office of Polar Programs  
 2002 Reviewer, *Ecological Archives*  
 2001 Proposal reviewer, Hudson River Foundation  
 2001 Proposal reviewer, Maryland Sea Grant College  
 2001 Proposal reviewer, North Carolina Sea Grant  
 2001-2003 Proposal reviewer, South Carolina Water Resources Center  
 2000, 2005 Site review team, National Science Foundation Long-Term Ecological Research Program  
 2000 Proposal review panel, National Science Foundation Information Technology Research Program  
 1999-2004 Qualifying Examination Committee, Dept. of Environmental Health Sciences  
 1998-2004 Chair (2001-2003) Information Technology Committee, Arnold School of Public Health  
 1996-2002 Baruch Institute Advisory Committee  
 1999-2001 Undergraduate Studies Committee, Marine Science Program  
 1999-2001 Co-chair, Inter-Institutional Collaboration Task Force for the SACS Self-Study, USC  
 1999-2000 NOAA/SRD/NERRS Water Quality Data Synthesis Committee  
 1999-2000 Ethics Research Committee, School of Public Health  
 1999-2000 Academic Programming (Distance Education) Committee, Arnold School of Public Health  
 1999 Proposal review panel, National Oceanographic Partnership Program OBIS Program

1998, 2001, 2003, 2006, 2009, 2010 Reviewer, *Journal of American Water Resources Association*

1998 Proposal review panel, NOAA Cooperative Institute for Coastal and Estuarine Environmental Technology

1998 Southeast Regional GIS Users Group Annual Conference Steering Committee

1997 Proposal reviewer, Minnesota Sea Grant Consortium

1996-1999 NOAA Protected Areas GIS Design Team

1996 Proposal reviewer, South Carolina Water Resources Institute

1995 NOAA NMFS Saltonstall-Kennedy Grants Review Program

1994 School District Five of Lexington and Richland Counties Action Planning Team

1994-Present Judge, Region II Science and Engineering Fair

1993-1997 Chairman (1995-1997), GIS Advisory Committee, Trident Technical College

1990-1994 Charleston Harbor Project GIS and Database Committee, SCDHEC-OCRM

1990-1996 Secretary, SMARTech, Inc. Board of Directors

### Research Grants and Funding (active projects in bold):

**2014-2018** National Oceanic and Atmospheric Administration. \$337,644 (of \$20,000,000 total) as a co-PI (PI Scavia – University of Michigan) on “A Collaborative Science Program for the National Estuarine Research Reserve System: With End Users Throughout the Applied Research Process”.

**2014-2015** National Oceanic and Atmospheric Administration, National Ocean Service. \$370,000 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.

**2014-2015** National Oceanic and Atmospheric Administration. \$64,977 as PI on “SECOORA: A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling (Year 4)”.

**2014-2015** National Oceanic and Atmospheric Administration. \$190,3937 as PI on “SECOORA: A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Data Management and Communications (Year 4)”.

**2014-2015** USC Social Sciences Grant Program. \$19,996 as co-PI (PI Kaczynski – USC) on “Are Disparities in Access to Quality Park Environments Associated with Childhood Obesity?”.

**2014-2017** National Institutes for Health. \$2,904,660 as a co-I (PI Pate – USC) on “Physical Activity During the Transition from Elementary School to High School”

**2014** LowCountry Institute of Spring Island, SC. \$24,000 as PI on “Pesticide Support Tool (Pesticide Search) and Smart Phone App Development: Easing Community Access to Residential Pesticide Information”.

**2014-2015** USC ASPIRE. \$100,000 as a co-PI (PI Johnson – USC) on “A Multi-Disciplinary Data Sharing Center Prototype Using A New Numeric-Metadata (NM) Standard for Big Data”

**2013-2014** South Carolina Department of Health and Environmental Control. \$19,000 as PI on “Leaders in Environmental Action Pilots”.

**2013-2014** National Oceanic and Atmospheric Administration, National Ocean Service. \$349,146 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.

**2013-2014** National Oceanic and Atmospheric Administration. \$50,000 as PI on “Assessment and Potential Integration of the EPA’s Virtual Beach Model into SCDHEC’s Beach Water Quality Modeling Ensemble”.

**2013-2014** National Oceanic and Atmospheric Administration. \$37,209 as PI on “SECOORA: A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling”.

- 2013-2014** National Oceanic and Atmospheric Administration. \$192,387 as PI on “SECOORA: A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Data Management and Communications”.
- 2013-2014** South Carolina Department of Health and Environmental Control. \$3,600 as PI on “Development of a Water Quality Model for the Lower Saluda River”.
- 2012-2014** National Oceanic and Atmospheric Administration. \$30,379 as PI on “Enabling Coastal and Marine Spatial Planning in the South Atlantic through User Engagement, Comprehensive Data Management and Development of Decision Support Tools – Phase II”.
- 2012-2013 National Oceanic and Atmospheric Administration, National Ocean Service. \$367,040 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.
- 2012-2013 National Oceanic and Atmospheric Administration. \$182,386 as PI on “Southeast Coastal Ocean Observing Regional Association (SECOORA): Coordinated Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools – Year 2”.
- 2012-2013 Southeast Coastal Ocean Observing System Regional Association. \$38,884 as PI on “Implementation of Automated Water Quality Advisory Forecast Models for Southeastern US Swimming Beaches – Year 2”.
- 2012-2013 South Carolina Sea Grant Consortium. \$30,000 as PI on “Spatial Implementation of a Decision-support Tool for Assessment and Application of Commonly-used Pesticides with Port Royal Sound, SC”.
- 2012-2013 National Oceanic and Atmospheric Administration. \$72,600 as PI on “Enabling Coastal and Marine Spatial Planning in the South Atlantic through User Engagement, Comprehensive Data Management and Development of Decision Support Tools – Phase I”.
- 2011-2012 National Oceanic and Atmospheric Administration, National Ocean Service. \$367,040 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.
- 2011-2012 National Oceanic and Atmospheric Administration. \$22,701 as PI on “A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools: Development of a Water Quality Decision-Support Tool”.
- 2011-2012 National Oceanic and Atmospheric Administration. \$166,500 as PI on “Southeast Coastal Ocean Observing Regional Association (SECOORA): Coordinated Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools – Year 1”.
- 2011-2012 Southeast Coastal Ocean Observing System Regional Association. \$21,616 as PI on “Implementation of Automated Water Quality Advisory Forecast Models for Southeastern US Swimming Beaches – Year 1”.
- 2011 National Estuarine Research Reserve Association. \$4,454 as PI on “Web Enhancements in Support of Improved Dissemination of Environmental Monitoring Data”
- 2010-2011 National Aeronautics and Space Administration. \$10,000 as PI on “The Use of Satellite Spectral Imaging and Remote Sensing Technologies to Detect Climate Change Induced Plant Stress”.
- 2010-2013 South Carolina Sea Grant Consortium. \$30,000 as PI on “Pesticides Decision-making Tool and Feasible Alternatives for Beaufort, Jasper and Hampton Counties, SC”.
- 2010-2013 National Institutes of Health. \$1,307,467 as a co-PI (PI Colabianchi – USC) on “Effects of the Built Environment, Crime and Food Prices on BMI, Activity and Eating”.
- 2010-2012 South Carolina Water Resources Center Competitive Grants Program. \$82,637 as co-PI (PI Tufford – USC) on “Sediment Phosphorous Flux Measurement in Lake Wateree, SC”.
- 2010-2011 National Oceanic and Atmospheric Administration, National Ocean Service. \$367,040 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.

- 2009-2014** National Heart, Lung and Blood Institute. \$3,318,559 as a co-Investigator (PI Pate – USC) on “Physical Activity during the Transition from Elementary School to Middle School”.
- 2009-2011 National Oceanic and Atmospheric Administration, National Ocean Service. \$349,740 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.
- 2008-2011 South Carolina Sea Grant Consortium. \$157,493 as PI on “The Implementation of Low Impact Development Practices for Coastal South Carolina: The Oak Terrace Research Project”.
- 2008-2010 National Oceanic and Atmospheric Administration. \$346,000 as PI on "Continuing Support of the NERRS Centralized Data Management Office".
- 2008-2012 National Institutes of Health. \$570,720 as a co-Investigator (PI Liese - USC) on “Developing Measures of the Built Nutritional Environment”.
- 2008-2010 National Oceanic and Atmospheric Administration. \$178,426 as co PI (PI Fletcher – USC) on “Establishment of the Center for Integrated Information Systems”.
- 2008-2012 National Oceanic and Atmospheric Administration. \$113,302 as co-PI (PI Fletcher - USC) on “Implementation of Regional Integrated Ocean Observing Systems Support of RCOOS Development in SECOORA: Data Management - USC (Years 1-3)”.
- 2007-2010 Environmental Protection Agency. \$18,431 as a subcontract PI to the State of New Hampshire on “Exchanging Environmental Data for the Gulf of Maine: Integrating NOAA NERRS data with the GoMOOS Ocean Data Partnership”.
- 2007-2012 National Oceanographic and Atmospheric Administration. \$579,546 as co-PI (PI Dorton - UNCW) on “Expansion of the Carolinas Coast Marine Weather Template within the SECOORA Region”.
- 2007-2009 National Oceanic and Atmospheric Administration. \$348,000 as PI on "Continuing Support of the NERRS Centralized Data Management Office".
- 2007-2012 National Oceanographic and Atmospheric Administration. \$1,200,000 as a co-PI (PI Leonard - UNCW) on “Integration of Coastal Observations and Assets in the Carolinas in Support of RCOOS Development in SECOORA”.
- 2007-2010 South Carolina Sea Grant Consortium. \$144,248 as co-PI (PI-Fletcher - USC). “Enhancing the Regional Coastal Ocean Observing System in the Southeastern United States: SECOORA Information Management/Ocean Data Partnership-USC”.
- 2007-2008 South Carolina Sea Grant Consortium. \$233,993 as PI on “Development of a Conceptual Model for an Integrated Coastal Prediction and Forecasting Initiative”.
- 2007-2008 South Carolina Sea Grant Consortium. \$28,932 as PI on “Integrating Terrestrial, Estuarine and Marine Observing Systems in Support of an Improved Understanding of Hypoxic Events in Long Bay, SC”.
- 2006-2012 National Institutes of Health. \$1,082,305 as a co-Investigator (PI Liese - USC) on “Spatial Epidemiology of Diabetes in the SEARCH for Diabetes in Youth Study”.
- 2006-2008 National Oceanic and Atmospheric Administration. \$53,000 as PI on “Building on Successful IOOS Partnerships: Enhancing the NERRS System-wide Monitoring Program and IOOS Linkage”.
- 2006-2008 National Oceanic and Atmospheric Administration. \$346,000 as PI on "Continuing Support of the NERRS Centralized Data Management Office".
- 2006-2009 South Carolina Sea Grant Consortium. \$155,810 as PI on “An Assessment of Stormwater Best Management Practices for Coastal South Carolina: The Oak Terrace Preserve Monitoring Project”.
- 2005-2008 National Oceanic and Atmospheric Administration. \$620,859 as PI on “Enhancements to the NERRS System-wide Monitoring Program for Delivery of Real-time Data”.
- 2005-2007 National Oceanic and Atmospheric Administration. \$320,728 as PI on "Continuing Support of the NERRS Centralized Data Management Office".

- 2005-2007 National Oceanic and Atmospheric Administration. \$108,159 as PI on “Integrating and Disseminating Historic and Current SWMP Data via the IOOS Initiative”.
- 2005-2008 National Oceanic and Atmospheric Administration. \$957,234 as PI on “Urbanization and Southeastern Estuarine Systems”.
- 2005-2006 South Carolina Department of Health and Environmental Control. \$11,833 as co-PI (PI Davis - USC) on “Purchase of Multi-parameter Water Quality Meter for Springmaid Pier and SURA/SECOORA Hypoxia Project”.
- 2005-2010 South Carolina Department of Health and Environmental Control. \$72,562 as PI on “Establishment of a Joint USC / SCDHEC-OCRM Research Faculty Position in Applied Coastal Zone Management”.
- 2004-2007 National Oceanic and Atmospheric Administration. \$124,960 as PI on “Integrating the NERRS System-wide Monitoring Program with Ocean.US Integrated Ocean Observing System Efforts”.
- 2004-2005 National Oceanic and Atmospheric Administration, National Ocean Service. \$832,000 as PI on “Urbanization and Southeastern Estuarine Systems”.
- 2004-2006 National Oceanic and Atmospheric Administration, National Ocean Service. \$320,999 as PI on “Continuing Support of the NERRS Centralized Data Management Office”.
- 2004-2006 NOAA CICEET. \$158,140 as PI on “NERRS Remote Sensing Applications Assessment Project (RESAAP)”.
- 2004-2005 South Carolina Department of Health and Environmental Control. \$20,000 as a co-PI (PI White - USC) on “Stormwater Monitoring”.
- 2003-2004 National Oceanic and Atmospheric Administration, National Ocean Service. \$682,837 as PI on “Urbanization and Southeastern Estuarine Systems”.
- 2003-2005 National Oceanic and Atmospheric Administration, National Ocean Service. \$257,550 as PI on “Continuing Support of the NERRS Centralized Data Management Office”.
- 2003-2005 South Carolina Office of the Adjutant General. \$98,827 as PI on “Supplemental Funding in Support of Community-level Mapping of the McCrady Training Center”.
- 2003-2005 National Oceanic and Atmospheric Administration, Cooperative Institute for Coastal and Estuarine Environmental Technology. \$291,234 as a co-PI (PI Chekalyuk - VIMS) on “Advanced Laser Fluorescence (ALF) Technology For Estuarine and Coastal Environmental Biomonitoring”.
- 2003-2005 South Carolina Office of the Adjutant General. \$60,000 as PI on “Development of a Digital Library of Historical and Current Aerial Photography for the Fort Jackson Property”.
- 2002-2003 National Oceanic and Atmospheric Administration, National Ocean Service. \$269,986 as PI on “Continuing Support of the NERRS Centralized Data Management Office”.
- 2002-2003 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$174,059 as PI for Geographic Information Processing and Spatial Modeling on \$697,025 grant entitled “Urbanization and Southeastern Estuarine Systems”.
- 2002-2006 NOAA CICEET. \$245,491 as co-PI (PI Schill - TNC) on “Development of an Automated Mapping Technique for Monitoring and Managing Shellfish Distributions”.
- 2002-2007 National Institutes of Health. \$178,892 as co-PI (PI Pate - USC) on “Community Characteristics and Physical Activity in Adolescent Girls”.
- 2002-2007 National Institutes of Health. \$1,513,402 as an Investigator (PI Pate - USC) on “Promotion of Physical Activity in High School Girls”.
- 2002-2007 Department of Defense / US Navy. \$2,827,981 (USC’s component) as a co-PI (USC PI Fletcher; Overall PI Seim - UNC) on “SouthEast Atlantic Coastal Ocean Observing System Initial Implementation”.
- 2002-2007 National Oceanic and Atmospheric Administration, Office of Oceanic and Atmospheric Research. \$9,744,767 as a co-PI (PI Fletcher - USC) on “The Carolinas Coastal Ocean Observing and Prediction System (Caro-COOPS)”.
- 2002-2005 South Carolina Office of the Adjutant General. \$81,084 as PI on “Supplemental Funding in Support of Community-level Mapping of the McCrady Training Center”.

- 2002-2003 Richland County. \$29,400 as PI on “Establishment of an Internship Program between the Department of Environmental Health Sciences and the Richland County Information Technology Department”.
- 2002-2003 National Oceanic and Atmospheric Administration, National Ocean Service. \$8,000 as PI on “Provision of Technical Support for the NERRS System-wide Monitoring Program”.
- 2002 Department of Energy/SC Water Resources Center. \$24,891 as PI on “Development of a Physical Spatial Model to Predict the Distribution of the Submerged Aquatic Perennial Hydrilla in the Lake Murray, SC Reservoir”.
- 2001-2002 National Oceanic and Atmospheric Administration, National Ocean Service. \$236,780 as PI on "Continuing Support of the NERRS Centralized Data Management Office".
- 2001-2002 National Oceanic and Atmospheric Administration, Coastal Ocean Program. \$114,734 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on \$698,744 grant entitled "Urbanization and Southeastern Estuarine Systems".
- 2001-2002 SC Sea Grant Consortium. \$15,710 as PI on “Evaluation of the Hypsometric Function of the Colleton – Okatee Rivers Salt Marsh System Using Airborne Photography and Remote Sensing Techniques”.
- 2001-2002 US Geological Survey. \$6,000 as PI on “Development and Support of a National Spatial Data Infrastructure (NSDI) Node at the Belle W. Baruch Institute for Marine Biology and Coastal Research”.
- 2001 Bell South Instructional Innovation Grant. \$4,489 as a co-PI (PI Fletcher - USC) on “Development and Implementation of a Distance Education Course in Marine Science”.
- 2001-2003 Savannah River Ecology Lab. \$18,000 as PI on “Establishing a Student Training Grant Program with SREL”.
- 2001 South Carolina Research Institute. \$44,000 as a co-PI (PI Morris - USC) on “Biological Indicators of Environmental Condition”.
- 2000-2001 National Oceanic and Atmospheric Administration, National Ocean Service. \$161,889 as PI on “Continuing Support of the NERRS Centralized Data Management Office”.
- 2000-2004 South Carolina Office of the Adjutant General. \$30,000 as PI on “Community-level Mapping of the McCrady Training Center”.
- 2000-2001 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$113,130 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on \$700,000 grant entitled "Urbanization and Southeastern Estuarine Systems".
- 2000-2007 National Oceanic and Atmospheric Administration, Coastal Ocean Program. \$755,851 as PI on “Development of a GIS-based Database Management Program to Characterize Sources and Effects of Natural Parameters and Anthropogenic Impacts to Coastal Ecosystems”.
- 2001-2002 Richland County. \$6,720 as PI on “Development of Land Cover Data Layer for Richland County, SC”.
- 1999-2000 South Carolina Commission on Higher Education. \$23,510 as a co-PI (PI Fletcher - USC) on “Marine Science 111 Offered Via Multimedia Presentation and Teleconferencing to High Schools for Advanced Credit”.
- 2000-2002 National Science Foundation. \$19,500 of \$100,000 as a co-PI (PI Kleppel - SUNY) on “Biocomplexity – Incubation Activity: Multidimensional Consequences of Urban Encroachment on Natural Ecosystems”.
- 2000 South Carolina Research Institute. \$23,690 as a co-PI (PI McKellar - USC) on “Watershed Nutrient Dynamics: Issues in Wastewater Allocation, Nonpoint Source Pollution Control, and Wetland Exchanges”.
- 2000 NASA/EPSCoR Program. \$10,000. Graduate Student Training Grant.
- 1999-2002 National Institutes of Health, Centers for Disease Control and Prevention. \$309,277 as a co-PI (PI Ainsworth - USC) on “Development of a Spatial BRFSS Module to Assess Environmental and Policy Supports for Physical Activity and Healthy Eating”.

- 1999-2000 National Oceanic and Atmospheric Administration, National Ocean Service. \$120,000 as PI on “Continuing Support of the NERRS Centralized Data Management Office”.
- 1999-2000 South Carolina Department of Health and Environmental Control. \$2,480 as PI on “Prototype Development of a GIS-based Web Presentation For Spatial Analysis and Promoting Increased Awareness of Fish Consumption Advisories In Support of the Lake Hartwell Fish and Turtle Survey/Exposure Investigation”.
- 1999-2000 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$116,208 of \$700,000 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on grant entitled "Urbanization and Southeastern Estuarine Systems".
- 1999-2002 Environmental Protection Agency. \$144,550 of \$589,696 as a co-PI (PI Morris - USC) on “CISNet: Molecular to Landscape-scale Monitoring of Estuarine Eutrophication”.
- 1999 USC College of Science and Mathematics. \$9,800 as a co-PI (PI Fletcher - USC) on “Establishment of the Marine Information Processing Lab In the College of Science and Mathematics at the University of South Carolina”.
- 1999 Environmental Systems Research Institute. \$3,500 software grant for developing “A Virtual Tour of the North Inlet – Winyah Bay National Estuarine Research Reserve”.
- 1998-1999 National Oceanic and Atmospheric Administration, National Ocean Service. \$113,000 as PI on “Continuing Support of the NERRS Centralized Data Management Office”.
- 1998-1999 National Science Foundation. \$93,600 as a co-PI (PI Kjerfve - USC) on “Marine Information Processing in Marine Science Undergraduate Laboratories”.
- 1998-1999 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$125,122 of \$700,000 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on “Urbanization and Southeastern Estuarine Systems”.
- 1997-1998 South Carolina Sea Grant Consortium. \$33,744 as PI on “A Spatial Data Assessment for LU-CES”.
- 1997-2003 NASA/EPSCoR Program. \$150,000 of \$560,000 as co-PI (PI Jensen - USC) on “Monitoring Coastal Wetland Change and Modeling Ecosystem Health in South Carolina Using Advances in Remote Sensing Digital Image Processing”.
- 1997-1998 National Oceanic and Atmospheric Administration, National Ocean Service. \$108,000 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.
- 1997-1998 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$127,350 of \$665,000 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on “Urbanization and Southeastern Estuarine Systems”.
- 1996-1997 National Oceanic and Atmospheric Administration, National Ocean Service. \$100,000 as PI on “Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office”.
- 1996-1997 Estuary-Net Project, Wells National Estuarine Research Reserve. \$8,000 as PI on “Implementation of the Estuary-Net Curriculum on the World Wide Web”.
- 1996-1997 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$150,911 of \$600,000 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on “Urbanization and Southeastern Estuarine Systems”.
- 1996-1997 NOAA High Performance Computing and Communications Program. \$3,000 on “Internet Infrastructure for NOAA's National Estuarine Research Reserve System's National Monitoring Program”.
- 1995-1996 National Oceanic and Atmospheric Administration, National Ocean Service. \$97,000 as PI on “Development and Continuation of the National Estuarine Research Reserve System Centralized Data Management Office”.
- 1995-1996 South Carolina Space Grant Consortium Research Enhancement Award. \$2,350 for “Travel Support for Graduate Research Assistants to Present Results of Estuarine Research Utilizing Geographic Information Systems and Remote Sensing”.

- 1995-1996 South Carolina Space Grant Consortium Research Enhancement Award. \$6,000 for “Travel Support for the Baikal Undergraduate Research Group to Study the Biogeochemical Cycles of Lake Baikal”.
- 1995-1996 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$137,233 of \$700,000 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on “Urbanization and Southeastern Estuarine Systems”.
- 1995-1997 National Oceanic and Atmospheric Administration, Center for Coastal Ecosystem Health. \$109,600 as co-PI (PI Allen - USC) for “Enhancement of Internet Connectivity Capabilities at the North Inlet - Winyah Bay National Estuarine Research Reserve”.
- 1994-1995 National Oceanic and Atmospheric Administration, National Ocean Service. \$90,000 as PI on “Establishment of the NERRS Centralized Data Management Office at the North Inlet - Winyah Bay NERR”.
- 1994-1995 National Oceanic and Atmospheric Administration, Office of Oceanic Research Programs. \$157,058 of \$700,000 as a co-PI (PI Vernberg - USC) for Geographic Information Processing and Spatial Modeling on “Urbanization and Southeastern Estuarine Systems”.
- 1994 Sun Microsystems Computer Corporation Academic Equipment Grant. \$11,985 for “Expansion of a Geographic Information Processing (GIP) Lab for Marine Biology and Coastal Research”.
- 1993-1995 National Science Foundation. \$8,500 of \$275,000 as a subcontract PI (PI Kjerfve - USC) on “Geographic Database for the Salt Marsh Ecosystems of the Southeastern United States”.
- 1991-1992 South Carolina Coastal Council. \$48,192 as a co-PI (PI Holland - SCDNR) on “Technical Support for Evaluating Dredged Material Disposal Sites in Charleston Harbor”.
- 1991-1992 South Carolina Coastal Council. \$23,560 as co-PI (PI Dunlap - SCDNR) on “Charleston Harbor Project SAMP Regulatory Permit Database Enhancement”.

#### **Pending Grants:**

Department of Defense. \$33,278 (of \$151,992 total) as a co-PI (PI Hernandez – SECOORA) on “Governors’ South Atlantic Alliance (GSAA) Coast and Ocean Portal Military Use Them”.

National Oceanic and Atmospheric Administration. \$52,000 (of \$3,000,000 total) as a consultant (PI Martin – WHOI) on “The Robotic Analyzer for the TCO<sub>2</sub> System in Seawater: A moored instrument for long-term, continuous measurement of TCO<sub>2</sub> and pH in the ocean”.

#### **Awards:**

- 2003 National Estuarine Research Reserve Association 2001-2003 Distinguished Service Award
- 2002, 2003 Outstanding Research Performance and Contributions to the Baruch Institute Award
- 2002 COSM financial support award for research productivity

#### **Teaching Experience:**

- 1999-Present Instructor. Environmental Health Sciences 775 – Resource Management and Environmental Impact Assessment. USC
- 2006-2007 Instructor. South Carolina Honors College 476D – Proseminar on Resource Management. USC
- 2000 Co-instructor. Marine Science J120 – Evolution of the Marine Environment. USC
- 1999 Instructor. Environmental Health Sciences 793 – Environmental Decision-making: The Information Technology Approach. USC
- 1998 Instructor. Environmental Studies 649 – GIS: A Tool for Remote Sensors. University of Charleston and Medical University of South Carolina.
- 1998 Instructor. Geology 499 – Geographic Information Systems. College of Charleston.

1996-2000 Co-taught interim semester course for Governors School for Science and Math.

**Workshops Conducted:**

- 2013 - South Carolina Environmental Justice Leadership Forum. December 2013 and January, March and 2014 May 2014. Georgetown, SC.
- 2014 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 10-14 February 2013. Litchfield Beach, SC.
- 2013 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 11-15 February 2013. Litchfield Beach, SC.
- 2012 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 6-10 February 2012. Litchfield Beach, SC.
- 2011 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 7-11 February 2011. Myrtle Beach, SC.
- 2010 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 8-12 February 2010. Pawleys Island, SC.
- 2009 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 19-23 January 2009. Pawleys Island, SC.
- 2008 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 21-25 January 2008. Myrtle Beach, SC.
- 2007 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 22-26 January 2007. Myrtle Beach, SC.
- 2006 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 23-27 January 2006. Myrtle Beach, SC.
- 2005 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 24-28 January 2005. Charleston, SC.
- 2004 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 18-22 August 2004. Georgetown, SC.
- 2004 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 22-29 January 2004. Myrtle Beach, SC.
- 2003 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 3-8 August 2003. Georgetown, SC.
- 2003 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 25-30 January 2003. Myrtle Beach, SC.
- 2002 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 15-18 September. Georgetown, SC.
- 2002 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 23-27 January and 20-24 February. Georgetown, SC.
- 2001 NOAA National Estuarine Research Reserve System Technicians' Training Workshop. 22-24 January and 20-22 February. Georgetown, SC.
- 2001 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 8-10 August. Georgetown, SC.
- 2000 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 8-10 August. Georgetown, SC.
- 1999 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 23 October. Cape May, NJ.
- 1998 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 6-7 November. Mobile, AL.
- 1997 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 15 October. Portland, OR.

- 1996 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 9 November. St. Simon Island, GA.
- 1995 NOAA National Estuarine Research Reserve System Data Management Committee Meeting. 21- 24 May. North Inlet - Winyah Bay, SC NERR.

**Selected Papers and Publications (underlined first authors are my graduate students):**

Friedman, D.B., C. Toumey, D.E. Porter, J. Hong, G.I. Scott and J.R. Lead. In press. Communicating with the public about environmental health risks: a community-engaged approach to dialogue about metal speciation and toxicity. *Environmental International*.

Liese, A., T.L. Barnes, N. Colabianchi, J.D. Hibbert, D.E. Porter and A.B. Lawson. In press. Exploring neighborhood boundaries in the food environment via the relationship between supermarket access measures and socioeconomic characteristics. *Spatial and Spatio-temporal Epidemiology*.

Ellis, J.H., Friedman, D.B., Puett, R., Scott, G.I. and D.E. Porter. 2014. A qualitative exploration of fishing and fish consumption in the Gullah/Geechee culture. *Journal of Community Health*. DOI 10.1007/s10900-014-9871-5

Lamichhane, A.P., J. Warren, R. Puett, D.E. Porter, M. Bottai, E. Mayer-Davis and A. Liese. 2013. Spatial patterning of supermarkets and fast food outlets with respect to neighborhood characteristics. *Health and Place* . 23:157-64. Epub 2013 Jul 16.

Scott, G., M. Fulton, M. DeLorenzo, E. Wirth, P. Key, P. Pennington, D. Kennedy, D. Porter, G. Chandler, C. Scott, J. Michel and J. Ferry. 2013. The environmental sensitivity index and oil and hazardous materials impact assessments: linking pre-spill contingency planning and ecological risk assessment. *Journal of Coastal Research*. 81:69(100-113).

Liese, A.D., R.C. Puett, A.P. Lamichhane, M.D. Nichols, D. Dabelea, A.B. Lawson, D.E. Porter, J.D. Hibbert, R.B. D'Agostino and E.J. Mayer-Davis. 2012. Neighborhood level risk factors for type 1 diabetes in youth: the SEARCH case-control study. *International Journal of Health Geographics*. 11(1):1.

Trilk, J.L., D.S. Ward, M. Dowda, K.A. Pfeiffer, D.E. Porter, J. Hibbert and R.R.Pate. 2012. Do physical activity facilities near schools affect physical activity in high school girls? *Health and Place*. 17(2):651-657.

Lamichhane, A.P., R. Puett, D.E. Porter, M. Bottai, E.J. Mayer-Davis and A.D. Liese. 2012 Associations of built food environment with body mass index and waist circumference among youth with diabetes. *International Journal of Behavioral Nutrition and Physical Activity*. 9:81.

Lamichhane, A.P., E.J. Mayer-Davis, R. Puett, M. Bottai, D.E. Porter and A.D. Liese. 2012. Associations of built food environment with dietary intake among youth with diabetes. *Journal of Nutrition Education and Behavior*. 44(3):217-24.

Dowda, M., K.A. Pfeiffer, F. Lobelo, D.E. Porter and R.R. Pate. 2012. Cardiorespiratory fitness and proximity to commercial physical activity facilities among 12<sup>th</sup> grade girls. *Journal of Adolescent Health*. 50:497-502.

Tufford, D., R. Kloot, A. Shea, D. Porter, D. Foote, W. Hankinson and T. Donelan. 2012. Water quality monitoring and research at Lake Wateree, SC. *Proceedings of the 2012 Water Resources Conference*.

Ragsdale, R., E. Vowinkel, D. Porter, P. Hamilton, R. Morrison, J. Kohut, B. Connell, H. Kelsey and P. Trowbridge. 2011. Water quality success stories: integrated assessments from the IOOS® regional associations and National Water Quality Monitoring Network. *Marine Technology Society Journal*. 45(1): 19-28.

VanMeter, E., A.B. Lawson, N. Colabianchi, M. Nichols, J. Hibbert, D.E. Porter and A.D. Liese. 2011. Spatial accessibility and availability measures and statistical properties in the food environment. *Spatial and Spati-temporal Epidemiology*. 2(1):35.47.

Pfeiffer, K.A., N. Colabianchi, M. Dowda, D. Porter, J. Vincent, J. Hibbert and R. Pate. 2011. Examining the role of churches in adolescent girls' physical activity. *Journal of Physical Activity and Health*. 8:227-233.

Johnston, M.A., D.E. Porter, G.I. Scott, W.E. Rhodes and L.F. Webster. 2010. Isolation of fecal coliform bacteria from the American alligator (*Alligator mississippiensis*) in South Carolina. *Journal of Applied Microbiology*. 108(3), pp. 965–973.

VanMeter, E.M, A.B. Lawson, N. Colabianchi, M. Nichols, J. Hibbert, D.E. Porter and A.D. Liese. 2010. An evaluation of edge effects in nutritional accessibility and availability measures: a simulation study. *International Journal of Health Geographics*. 2010, 9:40.

Wagner, S.E., J.B. Burch, M. Bottai, R. Puett, D.E. Porter, S. Bolick-Aldrich, T. Temples, R.C. Wilkerson, J.E. Vena and J.R. Hebert. 2010. Groundwater uranium and cancer incidence in South Carolina. *Cancer Causes and Control*. 22:41-50.

Wagner, S.E., J. Burch, M. Bottai, S. Pinney, R. Puett, D.E. Porter, J. Vena and J. Hebert. 2010. Hypertension and hematologic parameters in a community near a uranium processing facility. *Environmental Research*. 110(2010), pp. 786-797.

Sanger, D., D. Hernandez, S. Libes, G. Volgaris, B. Davis, E. Smith, R. Shuford, D.E. Porter, E. Koepfler and J. Bennett. 2010. A case history of the science and management collaboration in understanding hypoxia events in Long Bay, South Carolina. *Environmental Management*. 46:340-350.

Liese, A., A. Lawson, H. Song, J. Hibbert, D.E. Porter, M. Nichols, A. Lamichhane, D. Dabelea, E. Mayer-Davis, D. Standiford, L. Liu, R. Hamman and R. D'Agostino. 2010. Evaluating geographic variation in type 1 and type 2 diabetes mellitus incidence in youth in four US regions. *Health and Place*. 16(2010), pp. 547-556.

Liese, A., Colabianchi, N, Lamichhane A.P., Barnes, T.L., Hibbert, J.D., Porter, D.E., Nichols, M.D., and A.B. Lawson. 2010. Validation of 3 food outlet databases: completeness and geospatial accuracy in rural and urban food environments. *American Journal of Epidemiology*. 172(11), pp. 1324-1333.

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Hibbert, J.D., A.D. Liese, A. Lawson, D.E. Porter, R.C. Puett, D. Standiford, L. Liu and D. Dabelea. 2009. Evaluating geographic imputation approaches for zip code level data: an application to a study of pediatric diabetes. *International Journal of Health Geographics*. 2009, 8:54.

- White, D.L., D. Wolfe, D.E. Porter, D. Sanger, G. Reikirk, G. Didonato, F. Holland and D. Dabney. 2009. Development of a data management framework in support of southeastern tidal creek research. *Environmental Monitoring and Assessment*. Vol. 150, pp. 323-331.
- Dorton, J., V. Subramanian, C. Galvarino and D.E. Porter. Ocean observing: linking observations to the NWS and marine community. *Proceedings of the MTS/IEEE Oceans 09 Conference*. Biloxi, MS. October 2009.
- Fletcher, M., J.R. Pournelle, D. Ramage, D.E. Porter, V. Shervette and R.H. Kelsey. 2009. A Southeast regional testbed for integrating complex coastal and ocean information systems. *Proceedings of the MTS/IEEE Oceans 09 Conference*. Biloxi, MS. October 2009.
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- Gray, B., D. Bushek, W. Drane and D.E. Porter. 2009. Associations between land use and *Perkinsus marinus* infection of eastern oysters in a high salinity, partially urbanized estuary. *Ecotoxicology*. Vol. 18, No. 2, pp. 259-269.
- Porter, D., M. Fletcher, J. Cothran and J. Jefferson. 2008. The Carolinas Coastal Ocean Observing and Prediction System: an infrastructure for communications and data management for real-time environmental monitoring. *Proceedings of the 2008 Water Resources Conference*. [online] URL: [http://www.clemson.edu/restoration/events/past\\_events/sc\\_water\\_resources/t5\\_proceedings\\_presentations/t5\\_zip/porter.pdf](http://www.clemson.edu/restoration/events/past_events/sc_water_resources/t5_proceedings_presentations/t5_zip/porter.pdf).
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- Cohen, D.A., M. Scott, F.Z. Wang, T.L McKenzie and D.E. Porter. 2008. School design and physical activity among middle school girls. *Journal of Physical Activity and Health*. Vol. 5, No. 5, pp. 719-731.
- Pate, R., N. Colabianchi, D.E. Porter, M. Almeida, F. Lobelo and M. Dowda. 2008. Physical activity and neighborhood resources in high school girls. *American Journal of Preventive Medicine*. 34(5), pp. 413-419.
- White, D.L., D.E. Porter, A.J. Lewitus and J. Keese. 2008. Spatial gradient analyses of nutrients and chlorophyll a biomass in an urbanized lagoonal estuary: a comparison between wet and dry periods. *Journal of Coastal Research*. Vol. 24, No. 3, pp. 649-659.
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- Cohen, D., J. Ashwood, M. Scott, A. Overton, K. Evenson, L. Staten, D. Porter, T. McKenzie and D. Catellier. 2006. Public parks and physical activity among adolescent girls. *Pediatrics*. Vol. 118, No. 5, pp. 1381-1389.
- Kleppel, G., D.E. Porter and M.R. DeVoe. 2006. Urban typology and estuarine biodiversity in rapidly developing coastal watersheds. In *Changing Land Use Patterns in the Coastal Zone: Managing Environmental Quality in Rapidly Developing Region*. G.S. Kleppel, M.R. DeVoe and M.V. Rawson (eds.). Springer Series on Environmental Management. pp. 69-89.
- Fletcher, M., D. Porter, L. Leonard, M. Moss, M. Durako, J. Dorton, L.J. Pietrafesa, E. Buckley and L. Xie. 2006. Adaptive integration of sub-regional coastal ocean observing systems: a case study of the coastal ocean research and monitoring program (CORMP) and the Carolinas Coastal Ocean Observing and Prediction System (Caro-COOPS). *Proceedings of Oceans 2006 MTS/IEEE*.
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- Gaines, K., D.E. Porter, T. Punshon and I. Brisbin. 2005. A spatially explicit model of the wild hog (*Sus scrofa*) for ecological risk assessment activities at the Department of Energy's Savannah River Site. *Human and Ecological Risk Assessment*. 11(3):567-589.
- Gaines, K., C.S. Boring and D.E. Porter. 2005. The development of a spatially explicit model to estimate radiocesium body burdens in raccoons (*Procyon lotor*) for ecological risk assessment. *Science of the Total Environment*. 341(1-3):15-31.
- Puett, R.C., A.B. Lawson, A.B. Clark, T.E. Aldrich, D.E. Porter, C.E. Feigley and J.R. Hebert. 2005. Scale and shape issues in focused cluster test and model power. *International Journal of Health Geographics*. 4:8. [online] URL: <http://www.ij-healthgeographics.com/content/4/1/8>.
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Porter, D.E., K. Kirtland, M. Neet, J. Williams and B. Ainsworth. 2004. Considerations for using a Geographic Information System to assess environmental supports for physical activity. *Preventing Chronic Disease* [serial online]. URL: [http://www.cdc.gov/pcd/issues/2004/oct/04\\_0047.htm](http://www.cdc.gov/pcd/issues/2004/oct/04_0047.htm).

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Fletcher, M., E.N. Buckley, L.J. Pietrafesa, D.E. Porter, L. Xie and M.K. Moss. 2003. Carolinas Coastal Ocean Observing and Prediction System: Enhancing the U.S. Integrated Ocean Observing System through improved regional coastal observations and services. *Proceedings of Oceans 03*, San Diego, CA. pp. 713-724.

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Kelsey, H., G. Scott, D.E. Porter, B. Thompson and L. Webster. 2003. Using multiple antibiotic resistance and land use characteristics to determine sources of fecal pollution. *Journal of Environmental Monitoring and Assessment*. 81:337-348.

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Little, L.S., D. Edwards and D.E. Porter. 1997. Kriging in estuaries: as the crow flies or as the fish swims. *Journal of Experimental Marine Biology and Ecology*. 213:1-12.

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**Manuscripts in Progress (underlined first authors are my graduate students):**

Timothy L Barnes, T.L., N. Colabianchi, J.D. Hibbert, D.E. Porter, A.B. Lawson and A.D. Liese. Supermarket availability and accessibility and associations with socioeconomic measures in an eight-county region of South Carolina: A consideration of geographic boundaries and the modifiable areal unit problem (MAUP). Submitted to *International Journal of Health Geographics*.

Kelsey, R H., D.E. Porter, D. Ramage, A. Jones, G. Scott and M. Neet. Earth observations for automated beach water quality prediction and communication. Submitted to *Earth Observations for Health*.

Scott, G.I, M.H. Fulton, G. T. Chandler, A.F Holland, P. S. Sandifer and D. Porter. Global warming and coastal development: A recipe for disaster. Submitted to *Oxford University Round Table on Global Warming*.

**Technical Reports (underlined first authors are my graduate students):**

Porter, D.E. (Chair) and the NOAA Science Advisory Board Gulf Coast Ecosystem Restoration Science Program Advisory Working Group. 2014. *Comments and Recommendations on the NOAA RESTORE Act Draft Science Plan*. Submitted to the NOAA Science Advisory Board. 11pp.

Neet, M., D. Ramage, D.E. Porter, A. Jones and H. Kelsey. 2014. *Virtual Beach and R Regression Model Performance Results for Myrtle Beach, SC Model Applications: Final Report*. Submitted to the NOAA Integrated Ocean Observing System Program Office and the EPA Office of Research and Development. 43pp.

Leonard, L., J. Dorton, D.E. Porter and J. Virmani. 2013. *Identifying Stakeholder Driven User Needs: Lessons Learned in the Southeast*. Interagency Ocean Observation Committee IOOS Summit 2012. 4pp.

Small, T., M. Ides, J. Kessie and D.E. Porter. 2013. *CDMO NERRS System-Wide Monitoring Program Data Management Manual*. Submitted to the NOAA NOS/OCRM/NERRS. 230pp.

South Carolina Ocean Planning Workgroup. 2011. *South Carolina Ocean Report: A Foundation for Improved Management and Planning in South Carolina*. Submitted to the South Carolina General Assembly. 142 pp.

South Carolina Environmental Justice Committee. 2010. *South Carolina Environmental Justice Advisory Committee Final Report*. Submitted to the South Carolina General Assembly. 11 pp.

Porter, D.E., G.T. Chandler, V. Shervette, K. Gaertner, C. Scott, S. Powell, B. Kingsmore, M. DeLorenzo, M. Fulton and T. Pullaro. 2009. *Coastal Integrated Demographic-Economic-Environmental Prediction (CIDEEP) Program: Public Health and Environmental Health State-of-Knowledge Final Report*. Submitted to the NOAA/NOS/NCCOS. 173pp.

Daugomah J.W., T.C. Siewicki, D.E. Porter, and G.I. Scott. 2007. *The Effects of Urbanization on populations of Grass Shrimp Palaemonetes spp in Small, High Salinity Estuaries*. NOAA Technical Memorandum NOS NCCOS 54. 28pp.

Porter, D.E., S. Walker, D. Field, V. Klemas and J. Jensen. 2006. *NERRS Remote Sensing Applicatins Assessment Project (RESAAP)*. Submitted to the NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology. 69 pp.

Chekalyuk, K. Moore, D. White and D.E. Porter. 2006. *Advanced Laser Fluorescence (ALF) Technology for Estuarine and Coastal Environmental Biomonitoring*. Submitted to the NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology. 23 pp. URL: <http://ciceet.unh.edu/news/releases/springReports/pdf/chekalyuk.pdf>

Schill, S., D.E. Porter, L. Coen, D. Bushek and J. Vincent. 2006. *Development of an Automated Mapping Technique for Monitoring and Managing Shellfish Distributions*. Submitted to the NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology. 91 pp. URL: <http://ciceet.unh.edu/news/releases/springReports/pdf/schill.pdf>

Small, T., A.D. Norman, J. Friedman and D.E. Porter. 2004. *System-wide Monitoring Program (SWMP) Data Management Manual (Version 5.1)*. Submitted to National Estuarine Research Reserve System, NOAA by NERRS Centralized Data Management Office. 423 pp.

White, D.L., R. H. Kelsey, D.E. Porter. 2004. *Urbanization and Southeastern Estuarine Systems (USES) Pilot Project Enhancement: Stormwater Monitoring, Final Report*, Submitted to the South Carolina Department of Health and Environmental Control / Office of Ocean and Coastal Resource Management. 23 pp.

Porter, D.E., M. DeLorenzo, M. Fulton, T. Chandler, M. Aelion, G. Scott, T. Siewicki, J. Gooch, A. Halfacre and A. Lewitus. 2004. *Urbanization and Southeastern Estuarine Systems (USES) Annual Project Report*. Submitted to Coastal Ocean Program, NOAA by School of Public Health and Belle W. Baruch Institute for Marine and Coastal Sciences at the University of South Carolina and National Ocean Service Center for Coastal Environmental Health and Biomolecular Research. 76 pp.

Small, T., A.D. Norman, D. Swain, J. Friedman and D.E. Porter. 2003. *System-wide Monitoring Program (SWMP) Data Management Manual (Version 5.0)*. Submitted to National Estuarine Research Reserve System, NOAA by NERRS Centralized Data Management Office. 294 pp.

Porter, D.E., T. Small, A. Norman and D. Dowdy. 2003. *NOAA NERRS Data Management Plan*. Submitted to Estuarine Research Division, Office of Ocean and Coastal Resource Management, NOAA by the NERRS Centralized Data Management Office. 96 pp.

Porter, D.E., M. Fulton, Vernberg, W., F.J. Vernberg, T. Chandler, M. Aelion, H., McKellar, A. Decho, D. Tufford, G. Scott, T. Siewicki, D. Bushek and A. Lewitus. 2002. *Urbanization and Southeastern Estuarine Systems (USES) Annual Project Report*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Ocean Service Center for Coastal Environmental Health and Biomolecular Research. 76 pp.

Porter, D.E., M. Fulton, Vernberg, W., F.J. Vernberg, T. Chandler, M. Aelion, H., McKellar, A. Decho, D. Tufford, G. Scott, T. Siewicki, D. Bushek and A. Lewitus. 2001. *Urbanization and Southeastern Estuarine Systems (USES) Annual Project Report*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Ocean Service Center for Coastal Environmental Health and Biomolecular Research. 83 pp.

Porter, D.E., G. Ogburn-Matthews, M.E. Crane, J. Jefferson and T. Small. 2000. *System-wide Monitoring Program (SWMP) Operations Manual (Version 4.0)*. Submitted to National Estuarine Research Reserve System, NOAA by NERRS Centralized Data Management Office. 200 pp.

Porter, D.E., M. Fulton, Vernberg, W., F.J. Vernberg, T. Chandler, M. Aelion, H., McKellar, A. Decho, D. Tufford, G. Scott, T. Siewicki, D. Bushek and A. Lewitus. 2000. *Urbanization and Southeastern Estuarine Systems (USES) Annual Report and Research Proposal*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Ocean Service Center for Coastal Environmental Health and Biomolecular Research. 86 pp.

Neet, M. and D.E. Porter. 2000. Prototype Development of a GIS-based Web Presentation For Spatial Analysis and Promoting Increased Awareness of Fish Consumption Advisories In Support of the Lake Hartwell Fish and Turtle Survey/Exposure Investigation. Submitted to Division of Health Hazard Evaluation, SC Department of Health and Environmental Control. 22 pp.

Porter, D.E., M. Fulton, Vernberg, W., F.J. Vernberg, T. Chandler, M. Aelion, H., McKellar, A. Decho, D. Tufford, G. Scott, T. Siewicki, D. Bushek, A. Lewitus and W. Beam. 1999. *Urbanization and Southeastern Estuarine Systems (USES) Annual Report and Research Proposal*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Ocean Service Center for Coastal Environmental Health and Biomolecular Research. 81 pp.

Porter, D.E., M. Fulton, Vernberg, W., F.J. Vernberg, T. Chandler, M. Aelion, H., McKellar, A. Decho, D. Tufford, G. Scott, T. Siewicki, D. Bushek, A. Lewitus and T. Kawaguchi. 1998. *Urbanization and Southeastern Estuarine Systems (USES) Annual Report and Research Proposal*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Ocean Service Center for Coastal Environmental Health and Biomolecular Research. 47 pp.

Porter, D.E., T.C. Siewicki, J. Allen, D. Edwards and W. Michener. 1998. *Database Management and Environmental Modeling to Characterize Sources and Effects of Natural and Anthropogenic Contaminants in Coastal Ecosystems: A LU-CES State of Knowledge Final Report*. Submitted to South Carolina Sea Grant Consortium. Charleston, SC. 34 pp.

Ogburn-Matthews, G., M.E. Crane, J. Jefferson and D.E. Porter. 1997. *Centralized Data Management Office Operations Manual (Version 3.0)*. Submitted to National Estuarine Research Reserve System, NOAA by NERRS Centralized Data Management Office.

Porter, D.E., M. Fulton, Vernberg, W., F.J. Vernberg, T. Chandler, M. Aelion, H., McKellar, A. Decho, D. Tufford, G. Scott, T. Siewicki, D. Bushek, A. Lewitus and T. Kawaguchi. 1997. *Urbanization and Southeastern Estuarine Systems (USES) Summary Report and Research Proposal: Preliminary Recommendations for Coastal Zone Management and Continued Research*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Marine Fisheries Service Southeast Fisheries Science Center. 65 pp.

Jefferson, W., D.E. Porter and V. Ogburn-Matthews. 1996. *Estuary-Net Tools Operations Manual*. Submitted to Estuary-Net Program, National Estuarine Research Reserve System, NOAA by NERRS Centralized Data Management Office. 35 pp.

Porter, D.E., T. Siewicki, D. Edwards, W. Michener, B. Jones and C. Corbett. 1996. Geographic Information Processing and spatial modeling. *Urbanization and Southeastern Estuarine Systems (USES) Year 1 - Year 6 Summary Report and Year 7 Research Proposal*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the

University of South Carolina and National Marine Fisheries Service Southeast Fisheries Science Center. pp. 15-26.

Porter, D.E., T. Siewicki, D.A. Karinshak, J. Jefferson and C. Corbett. 1995. Geographic Information Processing and spatial modeling. *Urbanization and Southeastern Estuarine Systems (USES) Year 5 Progress Report and Year 6 Research Proposal*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Marine Fisheries Service Southeast Fisheries Science Center. Vol. I. pp. 30-41.

Porter, D.E., G. Ogburn-Matthews, J. Jefferson and D. Taylor. 1995. *Centralized Data Management Office Operations Manual*. Submitted to National Estuarine Research Reserve System, NOAA by NERRS Centralized Data Management Office. 70 pp.

Porter, D.E., D.A. Karinshak and C. Corbett. 1994. Geographic Information Processing / spatial modeling. *Urbanization and Southeastern Estuarine Systems (USES) Year 4 Progress Report and Year 5 Research Proposal*. Submitted to Office of Oceanic Research Programs, NOAA by School of Public Health and Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina and National Marine Fisheries Service Southeast Fisheries Science Center. pp. 48-75.

Holland, A.F., D.E. Porter, R.F. VanDolah, R.H. Dunlap, G.H. Steele and S.M. Upchurch. 1993. *Environmental Assessment for Alternative Dredged Material Disposal Sites in Charleston Harbor*. Marine Resources Research Institute and Office of Fisheries Management, South Carolina Wildlife and Marine Resources Department. Charleston, SC. 92 pp.

McKenzie, M.D., M.B. Prevost, P.A. Sandifer, J.V. Miglarese, R.H. Dunlap and D.E. Porter. 1991. *Ashepoo-Combahee-Edisto (ACE) Basin National Estuarine Research Reserve in South Carolina*. Environmental Impact Statement and Management Plan submitted to Office of Ocean and Coastal Resources Management, National Oceanic and Atmospheric Administration by South Carolina Wildlife and Marine Resources Department. 168 pp.

**Selected Presentations (underlined first presenters are my graduate students):**

Porter, D.E. 2014. The role of environmental monitoring and data management in supporting science to inform decision making: a case study. Organization of Biological Field Stations / National Association of Marine Laboratories Joint Meeting 2014. Woods Hole, MA. September 2014. Invited presentation.

Porter, D.E. 2014. Comments and recommendations on the NOAA RESTORE Act draft Science Plan. NOAA Science Advisory Board Meeting. Boulder, CO. July 2014. Invited presentation.

Porter, D.E. 2014. Environmental justice in South Carolina: promoting community engagement in support of improved decision making. SC Public Health Association Annual Conference. Columbia, SC. May 2014. Invited presentation.

Neet, M., H. Kelsey, D.E. Porter, D. Ramage and A. Jones. 2014. Utilizing in situ monitoring, remote sensing and coastal and ocean observation system data: supporting public health and promoting economic vitality. Southeast Coastal Ocean Observing Regional Association Annual Meeting. Savannah, GA. May 2014.

Porter, D.E. 2014. Environmental resource management and decision making: A "layman's" perspective. SC Environmental Justice Leadership Forum. Georgetown, SC. January 2014. Invited presentation.

Porter, D.E. 2013. The power of observations for improved decision making in support of public health: gathering alligators, taking observations, realizing solutions (GATORS). 22nd Biennial Conference of the Coastal and Estuarine Research Federation. San Diego, CA. November 2013. Invited presentation.

Porter, D.E., H. Kelsey, A. Jones, D. Ramage, M. Neet, J. Cothran and G. Scott. 2013. Water quality advisory prediction tools utilizing in situ monitoring, remote sensing and coastal and ocean observing system data. Governors' South Atlantic Alliance 3rd Annual Meeting. Raleigh, NC. 3-6 September 2013. Invited presentation.

Subramanian, V., D. Hernandez, D.E. Porter, J. Cothran, D. Ramage and J. Dorton. 2013 Southeast Coastal Ocean Observing Regional Association data management system: fostering data access and visualization of coastal ocean observations in the Southeast US. 22nd Biennial Conference of the Coastal and Estuarine Research Federation. San Diego, CA. November 2013.

Porter, D.E. 2013. Environmental resource management and decision making: what you will not learn from a textbook. Southeastern EcoRep Conference. Columbia, SC. February 2013. Invited presentation.

Hernandez, D., V. Subramanian, J. Dorton, J. Cothran, D. Ramage and D.E. Porter. 2013. SECOORA's Regional Coastal Ocean Observing System: Providing critical marine weather data and information products for weather forecasters and the marine community. National Weather Association's Annual Meeting. Charleston, SC. October 2013.

Porter, D.E. 2012. Integrating NERRS and IOOS efforts in support of improving decision making. Sentinel Sites Initiative Workshop. Silver Spring, MD. August 2012. Invited presentation.

Porter, D.E., B. Murphy and A. Ibanez. 2012. Real-time environmental data in the classroom: the National Estuarine Research Reserve System education initiatives. EARTH 2012. Wilmington, NC. July 2012. Invited presentation.

Porter, D.E., J. Cothran and T. Giarruso. 2012. Building the regional information management system to support coastal and marine spatial planning and other information management needs for the Governors' South Atlantic Alliance. Regional Data Management and Portal Development Workshop. Charleston, SC June 2012. Invited presentation.

Scott, G.I., M.H. Fulton, M. De Lorenzo, F. Holland, P.A. Sandifer, G.T. Chandler, D.E. Porter and T.F. Biddleman. 2012. Additive effects of coastal development and global climate change: a recipe for disaster for coastal ecosystem health. Mote Marine Laboratory Seminar Series. Sarasota, FL. January 2012.

Scott, G.I., M.H. Fulton, M. De Lorenzo, F. Holland, P.A. Sandifer, G.T. Chandler, D.E. Porter and T.F. Biddleman. 2012. Additive effects of coastal development and global climate change: a recipe for disaster for coastal environmental health. American Fisheries Society Meeting, Seabrook Island, SC. February 2012.

Scott, G.I., M.H. Fulton, M. De Lorenzo, S. White, F. Holland, A. Blair, P.A. Sandifer, G.T. Chandler, D.E. Porter, D. Alan, T.C. Peterson and T.F. Biddleman. 2012. Coastal development and global climate change: a recipe for disaster for coastal ecosystem health. NOAA in the Carolina's Annual Meeting, Charleston, SC. March 2012.

Scott, G.I., M.H. Fulton, M. De Lorenzo, F. Holland, A. Blair, P. Sandifer, G.T. Chandler, D. Alan, D.E. Porter, T.F. Biddleman and T.C. Peterson. 2012. Ecological and human health threats related to drought in

coastal ecosystems. National Integrated Drought Information System Carolinas Pilot Workshop. Wilmington, NC. July 2012.

Scott, G.I., A.D. Shirey, M.H. Fulton, E.F. Wirth, P. Sandifer, G.T. Chandler and D.E. Porter. 2012. Contaminants of emerging concern: addressing ecotoxicological risks. Southeastern Coastal Ocean Disposal Program Annual Meeting. Atlanta, GA. August 2012.

Porter, D.E., H. Kelsey and D. Ramage. 2011. Beach swimming advisory prediction tools using beach monitoring, remote sensing and coastal and ocean observing data. Coastal and Estuarine Research Federation 2011: Societies, Estuaries and Coasts Adapting to Change. Daytona Beach, FL. November 2011.

Scott, G., D.E. Porter, H. Scott, L. Wickliffe, F. Holland, A. Blair and M. Reiter. 2011. Integrating risk assessment of environmental stressors with impacts on ecosystem services and human health. Coastal and Estuarine Research Federation 2011: Societies, Estuaries and Coasts Adapting to Change. Daytona Beach, FL. November 2011.

Scott, G.I., M.H. Fulton, P.L. Pennington, D. Porter, G.T. Chandler, C.H. Scott. The environmental sensitivity index and oil and hazardous materials impact assessments: linking pre-spill contingency planning and ecological risk assessment. Miles O. Hayes Symposium on Applied Geomorphology, University of South Carolina, Columbia, SC. October 2011.

Leonard, L, J. Dorton, D.E. Porter and M. Fletcher. 2011. Coastal ocean observing in the Carolinas. Coastal and Estuarine Research Federation 2011: Societies, Estuaries and Coasts Adapting to Change. Daytona Beach, FL. November 2011.

Porter, D.E., H. Kelsey, D. Ramage, D. Hernandez, J. Krauthamer, R. Ragsdale, J. Read and R. Morrison. 2011. Addressing regional water quality concerns at the local level: the role of Regional Associations in improving public health decision making. Coastal Zone 2011. Chicago, IL. July 2011.

Ellis, J., D.E. Porter, V. Shervette and S. Rothenberg. 2011. Fishing and fish consumption patterns in a South Carolina Gullah community. South East Alliance for Graduate Education and the Professorate Annual Conference. Gainesville, FL. September 2011.

Porter, D.E., M. Fletcher, D. Ramage and J. Cothran. 2010. Making the most of ocean observations through data management innovation. Renewable Ocean Energy and the Marine Environment Conference. Palm Beach Gardens, FL. November 2010. Invited presentation.

Porter, D.E., H. Kelsey, M. Fletcher, D. Ramage and V. Shervette. 2010. Recreational beach bacteria modeling and forecasting and the consequences to public health and economic vitality. South Carolina Water Resources Conference. Columbia, SC. November 2010.

Fletcher, M., D. Porter, J. Cothran and D. Ramage. 2010. Making the most of information from environmental monitoring systems. South Carolina Water Resources Conference. Columbia, SC. November 2010.

Porter, D.E., H. Kelsey, M. Fletcher, G. Scott, J. Cothran, J. Hibbert, E. McDonald, E. Johnson, D. Ramage and V. Shervette. 2010. Beach and shellfish forecasting using integrated data from field programs, remote sensing, and observing systems. Southeast Coastal Ocean Observing Regional Association Annual Meeting. Savannah, GA. May 2010. Invited presentation.

Porter, D.E., H. Kelsey, M. Fletcher, G. Scott, J. Cothran, J. Hibbert, E. McDonald, E. Johnson, D. Ramage and V. Shervette. 2010. Beach swimming advisory forecast modeling using integrated data from field programs, remote sensing, and observing systems. National Federation of Regional Associations Product Development Workshop. Ann Arbor, MI. May 2010. Invited presentation.

Kelsey, H., D.E. Porter, S. Berry and M. Fletcher. 2010. Myrtle Beach advisory forecast model development: integrating data from monitoring programs, remote sensing and observing systems. East Coast IOOS Regional Associations Work Shop on Water Quality. Baltimore, MD. January 2010. Invited presentation.

Kelsey, H., D.E. Porter, M. Fletcher, G. Scott, J. Cothran, J. Hibbert, E. McDonald, E. Johnson, D. Ramage and V. Shervette. 2009. Beach and shellfish forecasts using integrated data from monitoring programs, remote sensing, and observing systems. CERF 2009: Estuaries and Coasts in a Changing World. Portland, OR. November 2009.

Porter, D.E., H. Kelsey, M. Fletcher, C. Hood, V. Shervette, D. Ramage and J. Hibbert. 2009. Recreational beach bacteria modeling and forecasting and the consequences to public health and economic vitality. Southeast Coastal Ocean Observing Regional Association Annual Meeting. Jacksonville, FL. May 2009.

Dorton, J., V. Subramanian, C. Galvarino and D.E. Porter. 2009. Ocean observing: linking observations to the NWS and marine community. MTS/IEEE Oceans 2009 Conference. Biloxi, MS. October 2009.

Fletcher, M., J.R. Pournelle, D. Ramage, D.E. Porter, V. Shervette and R.H. Kelsey. 2009. A Southeast regional testbed for integrating complex coastal and ocean information systems. MTS/IEEE Oceans 2009 Conference. Biloxi, MS. October 2009.

Powell, S.L., D.E. Porter, and R. Kloot. 2009. Participatory water quality monitoring – a partnership between researchers and homeowners in South Carolina. Coastal and Estuarine Research Federation 20th Biennial Conference, Portland, OR. November 2009.

Porter, D.E. 2009. Assessing and modeling the impacts of urbanization on coastal ecosystems and the consequences to public health and economic vitality. Coastal Carolinas Ecosystem Services Science Information Meeting. Charleston, SC. January 2009. Invited seminar.

Wagner, S., J. Burch, M. Bottai, R. Puett, D. Porter, S. Bolick-Aldrich, T. Temples, R. Wilkerson, J. Vena and J. Hebert. 2009. Groundwater uranium and cancer incidence in the Southeast. 2009 Cancer Research Symposium. Athens, GA. November 2009.

Wagner, S., M. Bottai, J. Hebert, R. Puett, D. Porter, S. Bolick-Aldrich, T. Temples, R. Wilkerson, J. Vena and J. Burch. 2009. Application of semiparametric regression to environmental data. 6<sup>th</sup> International Conference on Geomedical Systems. Charleston, SC. November 2009.

Scott, G.I, R H. Kelsey, J. Gooch, J. Stewart, and D. Porter. 2009. Development of microbial source tracking tools to better manage pollution sources impairing coastal ecosystems. Chesapeake Research Consortium Conference on Ecosystem Based Management. Baltimore, MD. March 2009.

Kelsey, R.H., D.E. Porter, and G.I. Scott. 2009. Shellfish harvest area decision-making using GIS, remote sensing, and predictive models. National Shellfish Association Annual Meeting. Savannah, GA. March 2009.

Porter, D.E. 2008. The role of students in relevant research: a focus on coastal management in South Carolina. Department of Geography Colloquium Series, University of South Carolina. Columbia, SC. December 2008. Invited seminar.

D.E. Porter and H. Kelsey. 2008. Shellfish harvesting area and recreational beach bacteria modeling and forecasting. Modeling the Impact of a Changing Environment on National and Economic Security. Falls Church, VA. November 2008. Invited presentation.

Johnston, M., D.E. Porter, G.I. Scott, W.E. Rhodes and L.F. Webster. 2008. Isolation of fecal coliform bacteria from the American Alligator (*Alligator mississippiensis*) in South Carolina. South Carolina Water Resources Conference. Charleston, SC. October 2008.

Powell, S., R. Kloot, D. Tufford and D.E. Porter. 2008. Analysis and GIS modeling of water quality data from Lake Wateree. South Carolina Water Resources Conference. Charleston, SC. October 2008.

Vandiver, L., D. Hernandez and D.E. Porter. 2008. The implementation of Low Impact Development (LID) stormwater practices along the South Carolina coast. South Carolina Water Resources Conference. Charleston, SC. October 2008.

Fletcher, M., D.E. Porter, J. Cothran and J. Cleary. 2008. Integration of environmental information systems. South Carolina Water Resources Conference. Charleston, SC. October 2008.

Porter, D.E., M. Fletcher, J. Cothran and J. Jefferson. 2008. The Carolinas Coastal Ocean Observing and Prediction System: an infrastructure for communications and data management for real-time environmental monitoring. South Carolina Water Resources Conference. Charleston, SC. October 2008.

Hayes, L. and D.E. Porter. 2007. Implementing the use of Low Impact Development (LIDs) Practices in coastal South Carolina. 19<sup>th</sup> Biennial Conference of the Estuarine Research Federation. Providence, RI. November 2007.

Walker, S. and D.E. Porter. 2007. An integrated model for monitoring and predicting *Phragmites australis* colonization in a managed estuarine reserve. 19<sup>th</sup> Biennial Conference of the Estuarine Research Federation. Providence, RI. November 2007.

Johnston, M., D.E. Porter, G. Scott, L. Webster and W. Rhodes. 2007. Isolation of fecal coliform bacteria from the American Alligator (*Alligator mississippiensis*). 19<sup>th</sup> Biennial Conference of the Estuarine Research Federation. Providence, RI. November 2007.

McDonald, M., D.E. Porter, B. Davis, D. Sanger and S. Drescher. 2007. Integrating marine observing systems for improved water quality management in Long Bay, SC. 19<sup>th</sup> Biennial Conference of the Estuarine Research Federation. Providence, RI. November 2007.

Powell, S., D.E. Porter, W. Allen, S. Walker and J. Hibbert. 2007. Using GIS and remote sensing to evaluate impervious surfaces in support of coastal land use planning. 19<sup>th</sup> Biennial Conference of the Estuarine Research Federation. Providence, RI. November 2007.

Porter, D.E. 2007. The role of students in relevant research: A focus on applied coastal management. University of South Carolina at Aiken. Aiken, SC. March 2007. Invited seminar.

Porter, D.E., M. Fletcher, E. Smith, G. Volgaris, E. McDonald, E. Johnson, B. Davis, D. Sanger, R. DeVoe, S. Libes, E. Koepfler, J. Bennett, H. Kelsey, R. Shuford, G. Scott and D. Hernandez. 2007. Southeast Coastal Ocean Observing – enabling coastal management solutions: the Long Bay, SC initiatives. Coastal Zone 07. Portland, OR. July 2007.

White, D.L., D. Wolf and D.E. Porter. 2007. Development of a knowledge-base in support of southeastern tidal creek research at the NOAA Center of Excellence for Oceans and Human Health at the Hollings Marine Laboratory. Coastal Zone 07. Portland, OR. July 2007.

Kelsey, H., B. Woodward, D.E. Porter and G. Scott. 2007. Shellfish harvest area closure decision making using predictive models. Coastal Zone 07. Portland, OR. July 2007.

White, D.L., D. Wolf and D.E. Porter. 2007. Development of a spatially-enabled database in support of southeastern tidal creek research at the NOAA Hollings Marine Laboratory. Coastal GeoTools Conference. Myrtle Beach, SC. March 2007.

DeVoe, M.R., A.F. Holland, D.E. Porter and D.M. Sanger. 2007. Land use impacts on estuarine areas in South Carolina and the Southeast region, USA: an overview". Conference on the Science and Education of Land Use. Washington, DC. September 2007.

Scott, G., A.F. Holland, M.R. DeVoe and D. Porter. 2007. Managing coastal urbanization and development in the 21st century: Balancing human dimensions and environmental quality issues. Conference on the Science and Education of Land Use. Washington, DC. September 2007.

Shuford, R., B. Davis, D.E. Porter, M. Fletcher, D. Hernandez, D. Sanger, G. Voulgaris, S. Libes, J. Bennett, E. Koepfler and E. Smith. 2006. An integrated response to coastal hypoxia through coastal ocean observing systems. The Coastal Society's 20<sup>th</sup> International Conference. St. Pete Beach, FL. May 2006.

Semon, K., B. Davis and D. E. Porter. 2006. The role of "Planned Unit Developments" in environmental management in the coastal zone. The Coastal Society's 20<sup>th</sup> International Conference. St. Pete Beach, FL. May 2006.

Finewood, M., B. Davis, D.E. Porter and E. McDonald. 2006. The role of science in coastal land use policy in the southeastern US. The Coastal Society's 20<sup>th</sup> International Conference. St. Pete Beach, FL. May 2006.

Porter, D.E. 2005. GIS and remote sensing applications for assessing and modeling coastal ecosystem health. Harte Research Institute / Texas A&M University – Corpus Christi. October 2005. Invited seminar.

Davis, B., M. Fletcher, D.E. Porter, D. Hernandez, D. Sanger, G. Voulgaris, S. Libes, E. Koepfler, J. Bennett and E. Smith. 2005. An integrated response to coastal hypoxia through coastal ocean observing systems. OCEANS 2005 Americas MTS/IEEE Conference. Washington, DC. September 2005.

Davis, B., D. Sanger, D.E. Porter and D. Hernandez. 2005. Southeastern coastal ocean observing systems in support of coastal zone management. Coastal Zone Conference. New Orleans, LA. July 2005.

Fletcher, M., D.E. Porter, L. Pietrafesa, E. Buckley and L. Xie. 2005. Role of coastal observing systems in enhancing storm surge and flooding prediction. Solutions to Coastal Disasters 2005. Charleston, SC. May 2005.

Fletcher, M., D.E. Porter, B. Davis, L. Pietrafesa, E. Buckley and L. Xie. 2005. Caro-COOPS: Ocean observing systems in Charleston Harbor and coastal South Carolina. 2005 ThinkTEC Homeland Security Innovation Conference. Charleston, SC. December 2005.

Kelsey, R., D.E. Porter, G.I. Scott and C. Newell. 2005. Shellfish harvest area closure prediction using remotely sensed precipitation data and digital forecasting products: pilot study. SEERS Conference. Charleston, SC. February 2005.

Kelsey, R., G.I. Scott, D.E. Porter, T. Siewicki and D. Edwards. 2005. Bacterial loading, source tracking and BMP performance at a Lowcountry golf course. Coastal GeoTools 2005. Myrtle Beach, SC. March 2005.

Kelsey, R., G.I. Scott and D.E. Porter. 2005. Remotely sensed precipitation data and digital forecasting products for fecal coliform modeling in shellfish harvest areas. Coastal GeoTools 2005. Myrtle Beach, SC. March 2005.

Kelsey, R., C. Marsh, D. White, P. Richards, D.E. Porter and G.I. Scott. 2005. Working with developers to evaluate and reduce bacteria and nutrient loading on the South Carolina Lowcountry. Coastal GeoTools 2005. Myrtle Beach, SC. March 2005.

Vincent, J.S., D.E. Porter, L. Coen, D. Bushek and S. Schill. 2005. Using automated feature extraction to classify shellfish resources in South Carolina. North Carolina GIS Conference. Winston-Salem, NC. March 2005. Invited presentation

Walker, S.P. and D.E. Porter. 2005. Design and management of a remote sensing evaluation project for marine protected areas: an overview. American Society of Photogrammetry and Remote Sensing 2005 Annual Conference. Baltimore, MD. March 2005.

Walker, S.P. and D.E. Porter. 2005. Monitoring and predicting invasive species in a South Carolina estuary: and integrated approach. American Society of Photogrammetry and Remote Sensing 2005 Annual Conference. Baltimore, MD. March 2005.

Walker, S.P. and D.E. Porter. 2005. Design and management of a remote sensing evaluation project for marine protected areas: an overview of the RESAAP. 8<sup>th</sup> International Conference on Remote Sensing of Marine and Coastal Environments. Halifax, Nova Scotia. May 2005.

White, D.L., D. Dabney, D. Dowdy and D.E. Porter. 2005. Environmental data discovery with GIS. Open Source Geospatial. Minneapolis, MN. June 2005.

Fletcher, M., D.E. Porter, E. Buckley, L. Pietrafesa, L. Xie, D. White, J. Cothran and B. Davis. 2004. The Carolinas Coastal Ocean Observing and Prediction System (Caro-COOPS): a model for the management and post-processing of moored buoy networks. The Coastal Society Conference (TCS19). Newport, RI. May 2004.

Kelsey, R.H., J.B. Whitlock, G.I. Scott and D.E. Porter. 2004. Shellfish harvest area closure prediction using remotely sensed precipitation data and digital forecasting products: pilot study. Fourth SETAC World Conference. Portland, OR. November 2004. Invited presentation.

Vaughan, D.F., J.R. Jensen, D.E. Porter, S. Walker, B. Hadley and J. Tullis. 2004. Hyperspectral change detection of *Spartina alterniflora* in Murrells Inlet, South Carolina. American Society of Photogrammetry and Remote Sensing 2004 Annual Conference. Denver, CO. May 2004.

Vincent, J.S., D.E. Porter, L. Coen, D. Bushek and S. Schill. 2004. Using remote sensing to detect and map intertidal shellfish resources. Interstate Shellfish Sanitation Commission Conference. Charleston, SC. November 2004.

Walker, S. and D.E. Porter. 2004. Integrated remote sensing and field techniques for predicting, assessing, and managing *Phragmites australis* in South Carolina estuaries. American Society of Photogrammetry and Remote Sensing 2004 Annual Conference. Denver, CO. May 2004.

Walker, S. and D.E. Porter. 2004. Assessing the value of a multispectral sensor for monitoring coastal ecosystem health in North Inlet, SC. American Society of Photogrammetry and Remote Sensing 2004 Annual Conference. Denver, CO. May 2004.

White, D., M. Fletcher, D. Porter, R. Shelley, E. Yu, R. Vedre and S. King. 2004. A novel data and metadata management and dissemination system for oceanographic data. OOS Tech 2004. Washington, DC. May 2004.

Ainsworth, B., D.E. Porter, K. Kirtland and P. Sharpe. 2003. Environmental measures of physical activity supports: perception versus reality. Chronic Disease Conference. Atlanta, GA. February 2003.

Ainsworth, B.E., K.A. Kirtland, C.L. Addy, L.A. Thombs, D.E. Porter, L.J. Neff and C.D. Kimsey. 2003. Environmental supports for physical activity: awareness and use of community walking trails. American College of Sports Medicine Annual Meeting. San Francisco, CA. May 2003.

Born, K., D.E. Porter, M. Neet and S. Walker. 2003. An Internet mapping system for coastal resource management and information dissemination in support of a Special Area Management Plan. Coastal GeoTools '03. Charleston, SC. January 2003.

Fletcher, M., D.E. Porter, E. Buckley, L. Pietrafesa, L. Xie, J. Cothran, C. Purvis, D. White. 2003. A model for the management and post-processing of moored buoy networks. Southeast Coastal Ocean Science Conference. Charleston, SC. January 2003.

Fletcher, M., D.E. Porter, E. Buckley, L. Pietrafesa, L. Xie, J. Johnson, J. Cothran, C. Purvis, D. White. 2003. A data management and information system for dissemination of hurricane storm surge models and near real-time data from the Caro-COOPS moored buoy network.. 17<sup>th</sup> International Biennial ERF Conference. Seattle, WA. September 2003.

Fletcher, M., L. Pietrafesa, E. Buckley, D. Porter, L. Xie and M. Moss. 2003. Caro-COOPS: Enhancing the U.S. Integrated Ocean Observing System through improved regional coastal observations and services. Oceans 2003. San Diego, CA. September 2003.

Kelsey, R.H., C.C. Kerr and D.E. Porter. 2003. Use of Lidar for watershed delineation in coastal areas with low relief. GeoTools '03. Charleston, SC. January 2003.

Morris, J. Herrick, J. Herr, D.E. Porter, P. Noble and J. Jensen. 2003. Determinants of the spectral reflectance of the marsh grass *Spartina alterniflora* and a neural network classification of a coastal landscape. Association of American Geographers Annual Meeting. New Orleans, LA. March 2003.

Neet, M., D.E. Porter and J. Morris. 2003. Using multi-spectral imagery, Lidar, and neural nets to predict chlorophyll and land cover in the estuarine habitat of North Inlet, South Carolina. Coastal GeoTools '03. Charleston, SC. January 2003.

Pietrafesa, L.J., L. Xie, M. Fletcher, E. Buckley and D. Porter. 2003. Applications of real time data and model predictions to coastal cities such as Charleston, SC. Coastal Commission Workshop. Charleston, SC. June 2003. Invited presentation.

Porter, D.E., K. Kirtland, M. Neet, B. Ainsworth and L. Shirley. 2003. Using geographic information processing techniques to study environmental indicators of physical activity. American College of Sports Medicine Annual Meeting. San Francisco, CA. May 2003.

Porter, D.E., M. Neet, J. Daugomah, D. Edwards and G. Scott. 2003. Spatial patterns of *p. pugio* density distributions in estuarine systems. Grass Shrimp as an Indicator of Injury to Estuarine Ecosystems Workshop. Charleston, SC. May 2003. Invited presentation.

Porter, D.E. and J. Whitlock. 2003. Development of a GIS-based suitability model to determine the distribution of hydrilla in the Lake Murray reservoir. 2003 Joint Meeting of the American Fisheries Society, South Carolina Chapter, and the South Carolina Fishery Workers Association. Hickory Knob, SC. February 2003.

Schill, S., J. Vincent, D.E. Porter, L. Coen and D. Bushek. 2003. Development of an automated mapping technique for monitoring and managing shellfish resources. US EPA Technology Transfer Conference: Emerging Technologies, Tools and Techniques to Manage our Coasts in the 21<sup>st</sup> Century. Cocoa Beach, FL. January 2003.

Vincent, J.S., D.E. Porter, L.D. Coen, D. Bushek, S. Schill and J. Jensen. 2003. Mapping intertidal shellfish resources using remote sensing. 17<sup>th</sup> International Biennial ERF Conference. Seattle, WA. September 2003.

Vincent, J.S., D.E. Porter, L. Coen, D. Bushek and S. Schill. 2003. Using hyperspectral remote sensing to map and assess intertidal shellfish resources in the southeastern USA. National Shellfish Association Annual Meeting. New Orleans, LA. April 2003.

Vincent, J.S., D.E. Porter, L. Coen, D. Bushek and S. Schill. 2003. Assessing and mapping shellfish resources using hyperspectral remote sensing. Coastal GeoTools '03. Charleston, SC. January 2003.

Walker, S.P. and D.E. Porter. 2003. Assessing the utility of high-resolution, multi-spectral remote sensing for coastal ecosystem monitoring in North Inlet, SC. Coastal GeoTools '03. Charleston, SC. January 2003.

Walker, S.P. and D.E. Porter. 2003. Managing and distributing data and metadata resources for the Land Use – Coastal Ecosystem Study (LU-CES). Coastal GeoTools '03. Charleston, SC. January 2003.

White, D.L., D.E. Porter and A.J. Lewitus. 2003. Spatial-temporal variability and trend analysis of water quality in an urbanized lagoonal estuarine system. Coastal GeoTools '03. Charleston, SC. January 2003.

Born, K., D.E. Porter, M. Neet and S. Walker. 2002. An Internet mapping system for coastal resource management and data dissemination in support of a Special Area Management Plan. California and the World Ocean '02. Santa Barbara, CA. October 2002.

Bushek, D., D.E. Porter, L.D. Coen, M.Y. Bobo and D.L. Richardson. 2002. Status and trends of Dermo and MSX in South Carolina. National Shellfisheries Association Annual Meeting. Mystic, CT. April 2002.

Siewicki, T., S. McDaniel, C. C. Nichols, T. Pullaro, J. Daugomah and D.E. Porter. 2002. Detailed land use classification and watershed delineation. Seventh International Conference on Remote Sensing for Marine and Coastal Environments. Miami FL. May 2002.

Vincent, J.S., D.E. Porter, L. Coen, D. Bushek and S. Schill. 2002. Assessing and mapping intertidal shellfish resources using remote sensing. Southeastern Estuarine Research Society Fall Meeting. Myrtle Beach, SC. October 2002.

Vincent, J.S., D.E. Porter, L. Coen, D. Bushek, S. Schill and J. Jensen. 2002. Evaluating remote sensing techniques for mapping the distribution and health of shellfish resources. International Conference of Shellfish Restoration. Kiawah Island, SC. October 2002.

Walker, S.P. and D.E. Porter. 2002. Integration of spatial tools and hyperspectral imagery to assess coastal ecosystem health in South Carolina. ESRI International Users Conference. San Diego, CA. July 2002.

Walker, S.P. and D.E. Porter. 2002. Integration of spatial tools to assess coastal ecosystem health in South Carolina. Healthy Ecosystems, Healthy People Conference. Washington, DC. June 2002.

Kirtland, K.A., D.E. Porter, M.J. Neet, B.E. Ainsworth and P.A. Sharpe. 2002. Potential uses of Geographic Information Systems to assess community characteristics. 16<sup>th</sup> National Conference on Chronic Disease Prevention and Control. Atlanta, GA. April 2002.

Gray, B., D. Bushek, J.W. Drane and D.E. Porter. 2001. Modeling oyster infection data in space and time, and as normal and ordinal outcomes. World Aquaculture 2001. Orlando, FL. January 2001.

Kelsey, R., D.E. Porter, and G. Scott. 2001. Examination of land use and fecal coliform bacterial pollution from human and animal sources in Murrells Inlet, South Carolina. Coastal GeoTools 2001. Charleston, SC. January 2001.

Kleppel, G., D.E. Porter and M.R. DeVoe. 2001. Implications of urbanization to ecosystem structure and function in South Carolina's salt marsh estuaries. Aquatic Sciences Meeting, ASLO. Albuquerque, NM. February 2001.

Olson, G., J. Jensen, S. Schill and D.E. Porter. 2001. Remote sensing of wetland biophysical variables in the ACE Basin National Estuarine Research Reserve. Coastal GeoTools 2001. Charleston, SC. January 2001.

Porter, D.E. 2001. What have we learned about the implications of urbanization to estuarine structure. Coastal Issue Workshop: Assessing the Health of South Carolina's Coast. Georgetown, SC. April 2001. Invited presentation.

Porter, D.E., B. Ainsworth, M. Neet and K. Kirtland 2001. Using GIS to assess environmental and policy supports for physical activity. First National CDC Prevention Conference on Heart Disease and Stroke. Atlanta, GA. August 2001. Invited presentation.

Porter, D.E., H. Kelsey, G. Scott, D. White and M. Neet. 2001. Using GIS and regression modeling techniques to assess the role of land use on fecal coliform levels in estuarine receiving waters. 16<sup>th</sup> Biennial Conference of the Estuarine Research Federation. St. Petersburg, FL. November 2001.

Porter, D.E., M. Williamson, G.T. Chandler and B. Jones. 2001. Using GIS and spatial modeling techniques to integrate laboratory bioassay studies with a field monitoring program to examine the photo-enhanced toxicological hazard of PAH-contaminated estuarine sediments to meiobenthic copepods. Coastal GeoTools 2001. Charleston, SC. January 2001.

Schill, S., J. Jensen and D.E. Porter. 2001. Measurement and modeling of the spectral and directional reflection properties of smooth cordgrass (*Spartina alterniflora*). Coastal GeoTools 2001. Charleston, SC. January 2001.

Schill, S., J. Jensen and D.E. Porter. 2001. Temporal modeling of BRDF patterns and phenological change in coastal vegetation. 2001 American Society of Photogrammetry and Remote Sensing Annual Convention and Exposition. St. Louis, MO. April 2001.

Scott, G.I., M.H. Fulton, B.C. Thompson, L.F. Webster, A.K. Leight, J. Stewart, J. Gooch, D. Chestnut, R.F. VanDolah, D.E. Porter and H. Kelsey. 2001. Identification of coliform bacterial pollution sources in tidal creek watersheds of South Carolina using multiple antibiotic resistance and selected molecular techniques. 16<sup>th</sup> Biennial Conference of the Estuarine Research Federation. St. Petersburg, FL. November 2001.

White, D.L., D.E. Porter, A. Lewitus and R.G. Tymonski. 2001. Spatial and temporal analyses of water quality and phytoplankton composition in an urbanized versus pristine salt marsh estuary. 16<sup>th</sup> Biennial Conference of the Estuarine Research Federation. St. Petersburg, FL. November 2001.

White, D.L., D.E. Porter and A.J. Lewitus. 2001. Spatial heterogeneity of nutrients and primary production in an urbanized estuarine system. Coastal GeoTools 2001. Charleston, SC. January 2001.

Bushek, D., J. Keesee, B. Jones, D. White, M. Neet and D.E. Porter. 2000. Shellfish health management: a system level perspective for *Perkinsus marinus*. National Shellfish Association Annual Meeting. Seattle, WA. Invited presentation.

Meisburger, J.L., J.R. Jensen, S. Schill and D.E. Porter. 2000. Quantification of biomass and leaf area index in a Charleston, SC estuary using low-altitude AVIRIS data. American Society for Photogrammetry and Remote Sensing Annual Convention. Washington, DC. May 2000.

Nichols, C.C., T.C. Siewicki, and J.W. Daugomah, D.E. Porter, B. Jones and J.R. Jensen. 2000. Coastal land-cover classification using NASA's Airborne Terrestrial Applications Sensor (ATLAS) data. Sixth International Conference on Remote Sensing for Marine and Coastal Environments. Charleston, SC. May 2000.

Porter, D.E. 2000. Using innovative remote sensing and image processing techniques for assessing coastal ecosystem health. NASA/EPSCoR Earth Science Enterprise Workshop. Clemson, SC. August 2000. Invited presentation.

Porter, D.E. 2000. Integrating remote sensing, GIS, and spatial modeling techniques for modeling estuarine health. Mid-South Region of the American Society of Photogrammetry and Remote Sensing Annual Meeting. Clemson, SC. October 2000. Invited presentation.

Schill, S.R., D.E. Porter and J.R. Jensen. 2000. Acquiring and modeling BRDF in coastal environments. Mid-South Region of the American Society of Photogrammetry and Remote Sensing Annual Meeting. Clemson, SC. October 2000.

Schill, S.R., J.R. Jensen, D.E. Porter, B.C. Jones, and C. Coombs. 2000. A discriminate analysis on the biophysical characteristics of *Spartina alterniflora* and multispectral reflectance in remotely sensed data. Sixth International Conference on Remote Sensing for Marine and Coastal Environments. Charleston, SC. May 2000.

Schill, S.R., D.E. Porter, and J.R. Jensen. 2000. Evaluating bi-directional reflectance distribution function (BRDF) of smooth cordgrass (*Spartina alterniflora*). National Estuarine Research Reserve Association Annual Meeting. Williamsburg, VA. October 2000.

Tufford, D.L., H. Yang, H.N. McKellar and D.E. Porter. 2000. An analytical and simulation modeling study of storm hydrology in small watersheds on the South Carolina coast. American Geophysical Union 2000 Spring Meeting. Washington, DC. May 2000.

White, D., D.E. Porter, and A.J. Lewitus. 2000. Spatial and temporal analyses of water quality patterns in two well-mixed, high-salinity estuaries. National Estuarine Research Reserve Association Annual Meeting. Williamsburg, VA. October 2000.

White, D.L., D.E. Porter, A.J. Lewitus, M. Neet, D. Tufford and J.R. Jensen. 2000. Integrating in situ sampling and remote sensing techniques to assess and model spatial heterogeneity of nutrients and primary production in an urbanized estuarine system. Mid-South Region of the American Society of Photogrammetry and Remote Sensing Annual Meeting. Clemson, SC. October 2000.

Porter, D.E. 1999. An overview of the role of geographic information processing techniques in support of coastal environmental decision making. Southeast Partnership for Environmental Technology Education Fourth Annual Resource Conference. Charleston, SC. April 1999. Invited presentation.

Daugomah, J.W., M.H. Fulton, T.C. Siewicki and D.E. Porter. 1999. The effects of urbanization on the population structure of *Palaemonetes pugio* in small, high-salinity estuaries. SETAC 20<sup>th</sup> Annual Meeting. Philadelphia, PA. November 1999.

Gray, B.R., D.E. Porter, J.W. Daugomah, M.H. Fulton, G.I. Scott and J.W. Drane. 1999. Use of GIS data and semivariance analysis to estimate land use effects on grass shrimp density. SETAC 20<sup>th</sup> Annual Meeting. Philadelphia, PA. November 1999.

Gray, B.R., J.W. Daugomah, D.E. Porter, B. Jones, T. Siewicki, M.H. Fulton and J.W. Drane. 1999. Relationship between proximity to urbanization and shrimp density using a spatially-explicit model. Society for Risk Analysis Annual Meeting. Atlanta, GA.

Kleppel, G., D.E. Porter, J. Allen and M.R. DeVoe. 1999. Implications of changing demographic and land use patterns to coastal ecosystem integrity in the southeastern United States. 9<sup>th</sup> Annual Meeting of SETAC-Europe. Leipzig, Germany. May 1999.

Siewicki, T.C., D.E. Porter, D. Edwards, L. Kracker, B. Jones and C.C. Nichols. 1999. Predicting risks of chemically contaminated sediment in small, high salinity estuaries. Southeastern Estuarine Research Society Annual Meeting. Jacksonville, FL. April 1999.

Siewicki, T.C., C.C. Nichols, J.W. Daugomah, L. Kracker and D.E. Porter. 1999. Predicting exposure to sediment chemical contaminants in small, high-salinity estuaries. SETAC 20<sup>th</sup> Annual Meeting. Philadelphia, PA. November 1999.

Vernberg, F.J., W.B. Vernberg, D.E. Porter, G.T. Chandler, H.N. McKellar, D. Tufford, T. Siewicki, M. Fulton, G. Scott, D. Bushek and M. Wahl. 1999. Impact of coastal development on land-coastal waters. Medcoast 99. Antalya, Turkey. November 1999.

White, D., D.E. Porter, J. Jensen, S. Schill and B. Jones. 1999. An evaluation of non-destructive techniques for estimating aboveground biomass of the cordgrass *Spartina alterniflora*. 15<sup>th</sup> International Biennial ERF Conference. New Orleans, LA. September 1999.

Williamson, M.W., D.E. Porter, G.T. Chandler, B.E. Jones and M.J. Neet. 1999. Using GIS and spatial modeling techniques to characterize the distribution of UV extinction coefficients in an urbanized estuary. SETAC 20<sup>th</sup> Annual Meeting. Philadelphia, PA. November 1999.

Williamson, M.W., G.T. Chandler and D.E. Porter. 1999. Phototoxicity of field-PAH contaminated sediments to the estuarine benthic copepod *Amphiascus tenuiremis*. SETAC 20<sup>th</sup> Annual Meeting. Philadelphia, PA. November 1999.

Porter, D.E. 1998. A comparative assessment of localized estuaries along the South Carolina coast: a GIS approach. Department of Geology Colloquium Series, College of Charleston. April 1998. Invited presentation.

Porter, D.E. 1998. Murrells Inlet under the microscope: preliminary findings and recommendations for coastal zone management. Murrells Inlet 2007 Task Force and community of Murrells Inlet. January 1998. Invited presentation.

Porter, D.E. 1998. Linking land use to estuarine health: an overview of the USES project. Conference on Southeast Coastal Ocean Research. Savannah, GA. April 1998. Invited presentation.

Porter, D.E., D. Bushek, D.L. White and J. Keesee. 1998. Host-parasite relationships and disease status as a measure of ecosystem health. Conference on Southeast Coastal Ocean Research. Savannah, GA. April 1998.

Porter, D.E., J. Allen, T. Siewicki, M. Gielazyn, D. Edwards and W.K. Michener. 1998. Defining the role of database management in support of long-term, multidisciplinary environmental research efforts. Conference on Southeast Coastal Ocean Research. Savannah, GA. April 1998.

Porter, D.E., G.T. Chandler, B.E. Jones and M.W. Williamson. 1988. The use of spatial modeling to map estuarine areas susceptible to photo-induced toxicity. Southeastern ARC/INFO Users Group Meeting, Charleston, SC. October 1998.

Bushek, D., D. Porter, D. White, B. Jones, J. Keesee and D. Edwards. 1998. Host-parasite relationships and disease status as measures of habitat restoration success. Goal Setting and Success Criteria for Habitat Restoration. Charleston, SC. January 1988.

Bushek, D., D.E. Porter, D. White, J. Keesee, B. Jones and D. Edwards. 1998. Land-use patterns, hydrodynamics and the spatial pattern of dermo disease in two South Carolina estuaries. Presented at the Southeastern Estuarine Research Society Spring Meeting. Athens, GA. March 1998.

Bushek D., D. White, D.E. Porter, B. Jones, J. Keesee and D. Edwards. 1998. Relationships between land-use patterns and dermo disease in oysters from two South Carolina estuaries. 3<sup>rd</sup> International Symposium on Aquatic Animal Health. Baltimore, MD. August 1998.

Bushek, D., D. White, D.E. Porter and D. Edwards. 1998. Land-use patterns, hydrodynamics and the spatial pattern of Dermo disease in two South Carolina estuaries. Aquaculture '98. Las Vegas, NV. February 1998.

Coombs, C.R., J.R. Jensen and D.E. Porter. 1998. Use of remote sensing and GIS as monitoring tools for wetlands and ecosystem health. Department of Geosciences, Texas Tech University, Lubbock, TX. February 1998. Invited presentation.

Crane, M., D.E. Porter, R. Clutter and T. Small. 1998. Development of the NERRS weather data collection schedule and management program. Southeastern Estuarine Research Society Fall Meeting, Georgetown, SC. October 1998.

Edwards, D., D.E. Porter, B. Jones, E. Moise and W.S. Street. 1998. Alternatives to the paired t-test for testing spatial change. Conference on Southeast Coastal Ocean Research. Savannah, GA. April 1998.

Jensen, J.R., D.E. Porter and C. Coombs. 1998. Biophysical remote sensing of coastal wetlands. AAAS Annual Meeting and Science Innovation Exposition. Philadelphia, PA. February 1998. Invited presentation.

Scott, G.I., M.H. Fulton, D.E. Porter, S.H. Strozier, E.D. Strozier, P.B. Key and J.W. Daugomah. 1998. The effects of urban and agricultural nonpoint source runoff on the eastern oyster, *Crassostrea virginica* (Gmelin): correlating field and laboratory results. NOAA Oyster Biomarker Workshop, Charleston, SC.

Scott, G.I., M.H. Fulton, D.E. Porter, S.H. Strozier, E.D. Strozier, P.B. Key and J.W. Scott. 1998. The use of coliform source identification techniques to identify sources of bacterial pollution. Natural Resources Conservation Service, Southeast Region Annual Meeting of Agronomist, Columbia, SC. Invited platform talk.

Tufford, D.L., H.N. McKellar, C.M. Aelion, M.H. Wahl, C.W. Corbett and D.E. Porter. 1998. Mechanisms of surface and shallow ground water hydrology and nutrient fluxes into two high salinity estuaries. Conference on Southeast Coastal Ocean Research. Savannah, GA. April 1998.

Porter, D.E. and B. Jones. 1997. Real-time DGPS and video soundings for shallow-water DEMs. GIS/LIS. Cincinnati, OH. October 1997.

Jones, B.C., D.E. Porter, D. Edwards, G. Scott and T. Siewicki. 1997. A multi-disciplinary approach to monitoring and predicting estuarine conditions using spatial modeling techniques. Fourth International Conference on Remote Sensing for Marine and Coastal Environments. Orlando, FL. March 1997.

White, D., D.E. Porter and D. Bushek. 1997. A comparison of spatial and temporal patterns of *Perkinsus marinus* in oyster populations in a developed estuary and an undeveloped estuary in South Carolina. Spatial Data and Remote Sensing in Invertebrate Fisheries Habitat, Research and Management Workshop. Fort Walton Beach, FL. April 1997.

Jefferson, J., D.E. Porter, H. List and B. Williams. 1996. Networking K-12 schools conducting long-term water quality monitoring as part of the NOAA National Estuarine Research Reserve System Estuary-Net program. Eco-Informa '96. Lake Buena Vista, FL. November 1996.

Jones, B. and D.E. Porter. 1996. A multidisciplinary approach to modeling estuarine conditions. Eco-Informa '96. Lake Buena Vista, FL. November 1996.

Jones, B., D.E. Porter, D. Edwards, T. Siewicki and G. Scott. 1996. Integrated spatial modeling techniques for coastal research and management. 16<sup>th</sup>. Annual Environmental Systems Research Institute Users' Conference. Palm Springs, CA. May 1996.

Nickolova, S., K. Gaertner, K. Mayernik, J. McDaniel, D. Williams and D.E. Porter. 1996. Preliminary investigations of the origin of sedimentary organic carbon in Winyah Bay, South Carolina. 24<sup>th</sup>. Benthic Ecology Meetings. Columbia, SC. March 1996.

Porter, D.E. 1996. Linking land use and associated anthropogenic activities to coastal ecosystem health. South Carolina Sea Grant Consortium Land Use - Coastal Ecosystem Health Workshop. Savannah, GA. June 1996. Invited presentation.

Porter, D.E., B. Jones, D.J. Cowen, D. Edwards, C. Corbett, T. Siewicki and G. Scott. 1996. Integrated risk assessment modeling in support of sustainable development in an estuarine environment. Third International Conference / Workshop on Integrating GIS and Environmental Modeling. Sante Fe, NM. January 1996.

Porter, D.E., F.J. Vernberg, W. Vernberg, T. Chandler, H. McKellar, M. Aelion, T. Kawaguchi, G. Scott, M. Fulton, T. Siewicki and B. Jones. 1996. Multidisciplinary ecosystem assessment of anthropogenic influences on localized coastal estuaries: a research and management approach. South Carolina Environmental Symposium. Myrtle Beach, SC. October 1996.

Porter, D.E., F.J. Vernberg, W. Vernberg, T. Chandler, H. McKellar, M. Aelion, T. Kawaguchi, G. Scott, M. Fulton, T. Siewicki, B. Jones and D. Edwards. 1996. Integrated ecosystem assessment of anthropogenic influences on localized salt-marsh estuaries: a research and management approach. Third Marine and Estuarine Shallow Water Conference. Atlantic City, NJ. December 1996.

Siewicki, T.C., F.J. Vernberg, W. Vernberg, D. Edwards, G. Scott, M. Fulton, D. Porter and H. McKellar. 1996. Combined urban impacts to small, high-salinity estuaries in South Carolina, USA. Fisheries and Pollution 1996, The 2nd Annual Conference on Population-Level Effects of Marine Contamination. Bodega Bay, CA. November 1996.

Trueblood, D.D., A.L. Stratton, D.E. Porter, G. Ogburn-Matthews, D. Taylor and W. Jefferson. 1996. Overview of the National Estuarine Research Reserve System's National Monitoring Program and Centralized Data Management Office. 24<sup>th</sup>. Benthic Ecology Meetings. Columbia, SC. March 1996.

Porter, D.E. 1995. Defining the role of database management in marine resources research and management. LEO-15 Workshop. Rutgers University Marine Field Station, Tuckerton, NJ. November 1995. Invited presentation.

Porter, D.E., B. Jones, W. Jefferson and C. Corbett. 1995. The utilization of Geographic Information Processing and advances in telecommunications for the integration and dissemination of data and information in a multi-disciplinary, multi-locale research project. 13<sup>th</sup>. International Estuarine Research Federation Conference. Corpus Christi, TX. November 1995.

Little, L., D. Edwards and D.E. Porter. 1995. Kriging in estuaries: as the crow flies or as the fish swims? 13<sup>th</sup>. International Estuarine Research Federation Conference. Corpus Christi, TX. November 1995.

Corbett, C., D.E. Porter and D.A. Karinshak. 1995. Modeling surface water runoff, sediment and nutrient loading in coastal South Carolina: a comparison of an undeveloped and urbanized watershed. 13<sup>th</sup>. International Estuarine Research Federation Conference. Corpus Christi, TX. November 1995.

Williams, D., G. Kineke, S. Nikolova, D. Bushek and D.E. Porter. 1995. Project Interface: making the marine-freshwater connections. South Carolina Marine Educators Association Annual Conference. Pawleys Island, SC. October 1995.

Porter, D.E., D.J. Cowen, D.A. Karinshak and B. Jones. 1995. Using the tools of Geographic Information Processing to compare the rate of wetlands alterations in an undeveloped and a managed estuary. Third Thematic Conference on Remote Sensing for Marine and Coastal Environments. Seattle, WA. September 1995.

Karinshak, D.A., D.E. Porter and C. Corbett. 1995. Comparing remote sensing platforms for mapping wetland vegetation within a localized coastal estuary: evaluation of C-CAP protocols. Third Thematic Conference on Remote Sensing for Marine and Coastal Environments. Seattle, WA. September 1995.

Corbett, C., D.E. Porter and D.A. Karinshak. 1995. Surface water runoff, sediment and nutrient loading in coastal South Carolina: a comparison of an undeveloped and an urbanized watershed. Third Thematic Conference on Remote Sensing for Marine and Coastal Environments. Seattle, WA. September 1995.

Porter, D.E., G. Ogburn-Matthews, W. Jefferson and D. Taylor. 1995. Development and implementation of the National Estuarine Research Reserve Centralized Data Management Office. Coastal Zone '95. Tampa, FL. July 1995.

Karinshak, D.A. and D.E. Porter. 1994. Utilizing large-scale remote sensing imagery for monitoring human impacts on a localized coastal estuary. American Association of Geographers Annual Meeting. San Francisco, CA.

Porter, D.E. 1994. The role of database management for marine resources research and management. National Estuarine Research Reserve System-wide Monitoring Workshop. Georgetown, SC.

Porter, D.E. 1994. Key points in the development of a GIS-based database management system for environmental management. Russian Academy of Sciences Institute of Geochemistry. Irkutsk, Russia. May 1994.

Porter, D.E. 1994. Design and development of an inter-jurisdictional database management program for marine resources research and management. Workshop on the Collection and Use of Trawl Survey Data for Fisheries Management. Atlantic States Marine Fisheries Commission. Charleston, SC. December 1994. Invited presentation.

Porter, D.E. 1994. Development of the NERRS Centralized Data Management Office in support of the Long-term Water Quality Monitoring Project. National Estuarine Research Reserves Association. Wilmington, NC. November 1994.

Dunlap, R.E. and D.E. Porter. 1993. A conceptual model for the identification and assessment of indirect impacts associated with regulatory permitting programs. Coastal Zone '91. New Orleans, LA.

Jefferson, W.H., W.K. Michener, D.A. Karinshak, W. Anderson and D.E. Porter. 1991. Developing GIS data layers for estuarine resource management. GIS/LIS 91. Atlanta, GA.

Porter, D.E. 1991. The role of GIS as a research and management tool for marine resources research and management. College of Charleston, Department of Geology Colloquium Series. Charleston, SC.

Porter, D.E. 1991. Low-cost solutions in the high cost world of GIP; also known as poverty induced creativity. South Carolina State Mapping Advisory Committee Meeting. Charleston, SC.

Porter, D.E. and K.B. Davis. 1991. GIS and oceanography. 1991. North Carolina Geographic Information Systems Conference. Raleigh, NC.

Porter, D.E. and K.B. Davis. 1991. The utilization of Geographic Information Processing techniques for oceanographic research. Environmental Systems Research Institute's International User's Group Conference. Palm Springs, CA.

Porter, D.E. 1990. The use of Geographic Information System technology to delineate the South Carolina Coastal Council's beachfront management lines following Hurricane Hugo. Environmental Systems Research Institute's International User's Group Conference. Palm Springs, CA. Invited presentation.

Porter, D.E. 1990. Utilization of low-cost GIS software and hardware for coastal beachfront management (one year after Hugo). South Carolina Arc/Info Users' Group Conference. Columbia, SC.

Cowen, D.J., D.E. Porter and J. Wojcik. 1989. Multi-agency data integration in a GIS for coastal resource management. Coastal Zone '89. Charleston, SC. July 1989.

Porter, D.E. 1989. The use of Geographic Information Systems technology to model cumulative impact of permitting on coastal wetlands. The South Carolina Academy of Sciences. Columbia, SC.

Porter, D.E. 1987. Using land use and land cover data in a GIS for the spatial disaggregation of population data. The South Carolina State Data Center Conference. Hilton Head Island, SC.

Sherwood, N. and D.E. Porter. 1987. Geographic Information Systems: a needs analysis for SCE&G. The South Carolina Academy of Sciences. Clemson, SC.

#### **Professional Memberships (Active and Past):**

American Society of Photogrammetry and Remote Sensing  
 Carolina Geological Society  
 Coastal and Estuarine Research Federation  
 Southeastern Estuarine Research Society  
 Southeast Coastal Ocean Observing Regional Association  
 College of American Sports Medicine

#### **Undergraduate Honors Committees (\*Committee chair or co-chair):**

Kelsey Rowland	B.S. Honors Environmental Science	USC
Sara Powell	B.S. Honors Marine Science	USC (2007)*
Emily McDonald	B.S. Honors Marine Science	USC (2005)
Michael Santarlas	B.S. Honors Marine Science	USC (1997)
Tali Engoltz	B.S. Honors Marine Science	USC (2000)

#### **Graduate Committees (\*Committee chair or co-chair):**

Jamelle Ellis	PhD candidate Environmental Health Sciences	USC (2013)*
Brad Dean	PhD candidate Environmental Health Sciences	USC (2014)*
Lisa Wickliffe	PhD Environmental Health Sciences	USC (2013)*
Matthew Neet	PhD candidate Environmental Health Sciences	USC*
Hart Scott	PhD candidate Environmental Health Sciences	USC*
Mohammed Aljassim	PhD candidate Environmental Health Sciences	USC*
Michelle Johnston	PhD Environmental Health Sciences	USC (2010)*
Lisa Vandiver	PhD Environmental Health Sciences	USC (2010)*
Robin Puett	PhD Environmental Health Sciences and PhD Epidemiology	USC (2004)*
Karen Gaines	PhD Environmental Health Sciences	USC (2003)*

Alexandru Petrisor	PhD Environmental Health Sciences	USC (2004)*
Sam Walker	PhD Environmental Health Sciences	USC (2007)*
Heath Kelsey	PhD Environmental Health Sciences	USC (2006)*
Buzz Kloot	PhD Environmental Health Sciences	USC (2005)*
Gargi Dayama	PhD Environmental Health Sciences	USC (2012)
Joy Ihekweazu	PhD candidate Chemistry	USC
Nalini Agarwal	MS candidate Environmental Health Sciences	USC*
Chris Paget	MPH Environmental Health Sciences	USC (2014)
Laura Trembreull	MPH Environmental Health Sciences	USC (2013)*
Alison Pierce	MPH Environmental Health Sciences	USC (2013)*
Elizabeth Podmore	MPH candidate Environmental Health Sciences	USC*
Edvige Mbakoup	MPH candidate Environmental Health Sciences	USC*
Temuulen Enebish	MPH candidate Environmental Health Sciences	USC
Wayne Dodgens	MS Environmental Health Sciences	USC (2011)*
Francine Davis	MS Environmental Health Sciences	USC (2011)*
Renee Dickman	MS Environmental Health Sciences	USC (2013)*
Nastenke Calle	MS Environmental Health Sciences	USC (2006)*
Emily McDonald	MS Environmental Health Sciences	USC (2008)*
Sara Powell	MS Environmental Health Sciences	USC (2010)*
Hart Scott	MS Environmental Health Sciences	USC (2010)*
Sam Walker	MSPH Environmental Health Sciences	USC (2005)*
Shane Dixon	MSPH Environmental Health Sciences	USC (2005)*
Cameron Kerr	MSPH candidate Environmental Health Sciences	USC*
Frank Nemeth	MSPH Environmental Health Sciences	USC (2007)*
Erica Johnson	MS Environmental Health Sciences	USC (2007)*
Michelle Johnston	MS Environmental Health Sciences	USC (2007)*
Heath Kelsey	MSPH Environmental Health Sciences	USC (2000)*
Chris Grose	MSPH Environmental Health Sciences	USC (2001)
Brian Conte	MSPH Environmental Health Sciences	USC (2001)
Michelle Alford	MSPH Environmental Health Sciences	USC (2000)
Margaret Williamson	MSPH Environmental Health Sciences	USC (2000)*
Carmen Samarghitan	MSPH Environmental Health Sciences	USC (2000)
Alan Southerland	MSPH Environmental Health Sciences	USC (2001)
Katy Dunlap	MPH Environmental Health Sciences	USC (2003)*
Harshala Chandrashekar	MPH Environmental Health Sciences	USC (2002)*
Matthew Neet	MPH Environmental Health Sciences	USC (2000)*
Deanna Doohalak	MPH Environmental Health Sciences	USC (2000)
Chad Lennox	MPH Environmental Health Sciences	USC (1999)
Giannina Dimaio	MPH Environmental Health Sciences	USC (2001)*
Chin-Hung Wu	MPH Environmental Health Sciences	USC (2000)*
Kaitlin Bedekovich	MPH Environmental Health Sciences	USC (2009)
Archana Lamichhane	PhD Biostatistics and Epidemiology	USC (2010)
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Sara Wagner	PhD Biostatistics and Epidemiology	USC (2009)
Charles Harshaw	PhD Biostatistics and Epidemiology	USC (2002)
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Katie Semon	MEERM	USC (2006)*
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Laurie Little	MS Statistics	USC (1997)

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