

Data Bibliography

The following section outlines the data bibliography collected to date for the NC Beach and Inlet Management Plan. The data bibliography serves as an efficient resource for State and local interests to find the most up-to-date beach and inlet management data. The data bibliography includes weblinks and references that should serve as an excellent starting point for environmental documents and studies required for beach and inlet management projects. The bibliography is classified by subject matter.

DATA

Physical Processes

Waves and Climate

<http://www.ndbc.noaa.gov/maps/NorthCarolina.shtml>

<http://nccoos.org/>

Wave Hindcasts

http://www.frf.usace.army.mil/cgi-bin/wis/atl/atl_main.html

Water Levels

Tides and Tidal Stations

<http://tidesandcurrents.noaa.gov/gmap3/>

Tidal Currents

<http://tidesandcurrents.noaa.gov/gmap3/>

Storm Surge and Coastal Flood Water Levels

www.ncfloodmaps.com

Sea Level Rise

https://www.cresis.ku.edu/research/data/sea_level_rise/index.html

Riggs, S.R. 2008. North Carolina's Coast in Crisis: A Vision for the Future.
North Carolina Coastal Geology Cooperative Research Program.

NCGTM - <http://www.ncsealevelrise.com/>

Tropical Storms

<http://www.nhc.noaa.gov/>

Digital Ortho Photographs

<http://oceanservice.noaa.gov/topics/navops/mapping/>

NCDCM, USGS, NAIP, County Governments

Historical Shorelines and Erosion Rates

<http://dcm2.enr.state.nc.us/Maps/chdownload.htm>

http://www.csc.noaa.gov/crs/tcm/about_ldart.html

<http://woodshole.er.usgs.gov/project-pages/cccp/>

Dr. Jeff Warren – c/o NCDCCM

<http://www.coastal.geology.ecu.edu/NCCOHAZ/>

Overton, M.F. and J.S. Fisher. 2004. Methodology for the analysis of shoreline change for the purpose of delineating the Inlet Hazard Area, prepared for the Division of Coastal Management, DENR.

Morton, R.A. and T.L. Miller. 2005. National Assessment of Shoreline Change: Part 2, Historical Shoreline Changes and Associated Coastal Land Loss Along the U.S. Atlantic Coast. U.S. Geological Service, File Report 2005-1401.

Beach Profiles

USACE – Wilmington District

Carteret County - <http://www.protectthebeachmaps.com>

Geological Frame Work, Inlets and Sand Resources

North Carolina Geological Society - <http://www.geology.enr.state.nc.us/>

<http://woodshole.er.usgs.gov/project-pages/northcarolina/>

<http://www.coastal.geology.ecu.edu/NCCOHAZ/>

<http://ecoastal.usace.army.mil/>

<http://walrus.wr.usgs.gov/usseabed/data.html>

Riggs, S.R., L.L. York, R.J.F Wehmiller and S.W. Snyder. 1992. High frequency depositional patterns resulting from Quaternary sea-level fluctuations in northeastern North Carolina. In: Fletcher and Wehmiller (eds.), Quaternary Coasts of the United States: Marine and Lacustrine Systems, SEPM Spec. Pub. No 48, pp. 141-153.

Meisburger, E.P. 1977. Sand resources on the inner continental shelf of the Cape Fear region, North Carolina, US Army Corps of Engineers, Coastal Engineering Research Center, Miscellaneous Report 77-11, 20 p.

Meisburger, E.P. 1979. Reconnaissance geology of the inner continental shelf, Cape Fear region, North Carolina, US Army Corps of Engineers, Coastal Engineering Research Center, Technical Report, TP79-3, 135 p.

Snyder, S.W., A.C. Hine and S. R. Riggs. 1982. Miocene seismic stratigraphy, structural framework, and sea-level cyclicity, North Carolina continental shelf. *Southeastern Geology*, 23(4), 247-266.

Snyder, S.W., C.W. Hoffman and S.R. Riggs. 1994. Seismic stratigraphic framework of the inner continental shelf: Mason Inlet to New Inlet, North Carolina, North Carolina Geological Survey Bulletin No. 96, 59 p.

Sproat, A. and W.J. Cleary. 1996. Utilization of sand resources and environmental constraints along an eroding low energy sand starved barrier system. Long Bay, N.C. Abstracts with programs, Geol. Society of America, Southeastern Section, v. 28, no. 2, p. 44.

Beach & Inlet Management Projects

Dredging/Inlet Maintenance

USACE – Wilmington District - <http://www.saw.usace.army.mil/nav/>

Cleary, W.J., and T.P. Marden. 1999. Shifting Shorelines: A pictorial atlas of North Carolina's inlets, NC Sea Grant, Publication UNC-SG 99-04, NCSU, Raleigh NC, 55p.

Western Carolina's Center for Developed Shorelines

Beach Nourishment

USACE – Wilmington District

http://www.saw.usace.army.mil/Authorized_Projects/Main.htm

Western Carolina's Center for Developed Shorelines

Carteret County – www.protectthebeach.com

Spencer Rodgers, North Carolina Sea Grant

Tom Jarrett, formerly of USACE

Temporary and Permanent Structures

<http://www.nccoastalmanagement.net/Rules/current.htm>

http://www.nccoastalmanagement.net/sandbag_locations.htm

Ecological Habitat

Water Column

CHPP. 2005. North Carolina Coastal Habitat Protection Plan. North Carolina Department of Environment and Natural Resources, Division of Marine Fisheries.

North Carolina Division of Water Quality, Raleigh NC

<http://dcm2.enr.state.nc.us/>

<http://www.deh.enr.state.nc.us/index.htm>

<http://www.dlr.enr.state.nc.us/>

<http://www.geology.enr.state.nc.us/>

<http://www.enr.state.nc.us/DSWC/>

<http://www.cgia.state.nc.us/>

<http://www.apnep.org/>

<http://www.cwmtf.net/>
<http://www.ncnerr.org/>
<http://www.ncstormwater.org>
<http://waterdata.usgs.gov/nc/nwis/current/?type=flow>
<http://www.epa.gov/emap/nca/sampling.html>
<http://nmviewogc.cr.usgs.gov/viewer.htm>

Shell Bottom

CHPP. 2005. North Carolina Coastal Habitat Protection Plan. North Carolina Department of Environment and Natural Resources, Division of Marine Fisheries.

<http://www.ncfisheries.net/>
<http://www.ncfisheries.net/shellfish/sanctuary3.htm>
<http://www.deh.enr.state.nc.us/shellfish/index.htm>
www.onencnaturally.org

Submerged Aquatic Vegetation

Ferguson, R.L. and L.L Wood. 1994. Rooted vascular aquatic beds in the Albemarle-Pamlico estuarine system. NMFS, NOAA, Beaufort, NC Project No. 94-02, 103 pp.

http://www.ncfisheries.net/maps/FNA_maps/index.html
www.onencnaturally.org

Wetlands

CHPP. 2005. North Carolina Coastal Habitat Protection Plan. North Carolina Department of Environment and Natural Resources, Division of Marine Fisheries.

www.nwi.fws.gov
<http://dcm2.enr.state.nc.us/Wetlands/download.htm>
www.ncfloodmaps.com
<http://www.topozone.com>
<http://nmviewogc.cr.usgs.gov/viewer.htm>
<http://websoilsurvey.nrcs.usda.gov>

Soft Bottom

US Department of Agriculture (USDA)
Natural Resource Conservation Service (NRCS)
<http://www.epa.gov/emap/nca/sampling.html>

<http://www.ncfisheries.net>

www.onencnaturally.org

<http://nmviewogc.cr.usgs.gov/viewer.htm>

Hard Bottom

<http://www.ncfisheries.net>

<http://www.seamap.org/documents/seamapDocs/seamap2006-2010MgmtPlan.pdf>

www.onencnaturally.org

http://ocean.floridamarine.org/efh_coral/ims/viewer.htm

http://ocean.floridamarine.org/efh_coral/ims/Description_Layers.htm

Threatened & Endangered Species

<http://www.ncfisheries.net>

www.seaturtle.org/strand

<http://www.ncwildlife.org>

<http://www.saw.usace.army.mil/>

<http://science.nature.nps.gov/im/index.cfm>

<http://www.fws.gov/nc-es>

<http://sero.nmfs.noaa.gov/>

http://www.waterbirdconservation.org/southeast_us.html

<http://www.fws.gov/northeast/pipingplover/recplan/index.html>

Socio-Economic Value of North Carolina Beaches and Inlets

Data Sources

<http://www.nccommerce.com/en>

<http://www.nccommerce.com/en/TourismServices/PromoteTravelAndTourismIndustry/HeritageTourismAndCommunityDevelopment/>

National Ocean Economics Program

National Oceanic and Atmospheric Administration (NOAA) Fisheries and Social Sciences Program

Beach Recreation Value

Bin, O, C. Dumas, B. Poulter and J. Whitehead. 2007. Measuring the Impacts of Climate Change on North Carolina Coastal Resources. Prepared for: Bipartisan Policy Center, Inc. Washington, DC.

NCOBVB. 2006. Visitor Research, Waves 1-4. Study conducted by Strategic Marketing & Research, Inc., for the North Carolina Outer Banks Visitors Bureau (NCOBVB), Manteo, NC.

Boating – Recreational and Professional - Economic Output

Herstine, J., C. Dumas and J. Whitehead. 2007. The Economic Impacts and Economic Benefits of Recreational Boating Along the Atlantic Intracoastal Waterway (AIWW) in North Carolina. Report to the North Carolina Sea Grant Program, the North Carolina Department of Environment and Natural Resources (NCDENR) and the North Carolina Beach, Inlet and Waterway Association (NCBIWA). North Carolina Sea Grant Program. Raleigh, NC.

Herstine, J., B. Buerger, J. Hill, C. Isom. 2005. Determination of Recreation Demand for Federal Shore Protection Study Areas, Final Report, Volumes 1-4. Report prepared by UNC-Wilmington for U.S. Army Corps of Engineers Wilmington, NC, District Office. Wilmington, NC. Contract Number DACW54-03-C-0008.

Herstine, J., C. Dumas and J. Whitehead. 2006. Report to the North Carolina Sea Grant Program, the North Carolina Department of Environment and Natural Resources (NCDENR) and the North Carolina Beach, Inlet and Waterway Association (NCBIWA) on the Economic Impacts and Economic Benefits of Recreational Boating Along the Atlantic Intracoastal Waterway (AIWW) in North Carolina. North Carolina Sea Grant. Raleigh, NC.

Beach Property Value

Bin, O, C. Dumas, B. Poulter and J. Whitehead. 2007. Measuring the Impacts of Climate Change on North Carolina Coastal Resources. Prepared for: Bipartisan Policy Center, Inc. Washington, DC

Inlet and Waterway Use and Value

Dumas, C.F. 2009. The Economic Impacts of the North Carolina Marina Industry. Draft report. Department of Economics and Finance, University of North Carolina Wilmington. Wilmington, NC.

Dumas, C.F., and A. Ayers. 2008. Economic Impacts of the Saltwater Recreation Industry in North Carolina. Presentation, The Coastal Society conference. Redondo Beach, CA. June 29-July 2.

Dumas, C.F., J.C. Whitehead, J. Herstine and C. Landry. 2009. The Economic Benefits and Impacts of the North Carolina For-Hire Fishery. Fishery Resource Grant (FRG) Report 07-FEG-05. North Carolina Sea Grant Program. Raleigh, NC.

REGIONAL NUMERICAL MODELS AND INVESTIGATIONS

<http://www.renci.org/>

<http://www.ncfloodmaps.com/>

DOCUMENTATION OF VULNERABILITY

North Carolina Ocean Hazards Assessment, NC Division of Coastal Management

North Carolina Geological Survey: <http://www.geology.enr.state.nc.us/>

United States Geological Survey: <http://woodshole.er.usgs.gov/project-pages/cvi/>

SEDIMENT BUDGETS

USACE – Wilmington District –

http://www.saw.usace.army.mil/Authorized_Projects/BrunswickCoBeaches/Main.htm