

REFERENCES

- Adamus, P.R., E.J. Clairain, Jr., R.D. Smith, and R.E. Young, 1987. Wetland Evaluation Technique (WET); Volume II: Methodology. U.S. Army Corps of Engineers, Waterways Experiment Station, CK, Vicksburg, Mississippi. 206 pp. plus appendices.
- APM Terminals Virginia, Inc., 2005. Marine Container Terminal, Portsmouth, Virginia - Final Environmental Assessment. 31 pp.
- Baird D., R.R. Christian, C.H. Peterson, G.A. Johnson ,2004. Consequences of hypoxia on estuarine food web and ecosystem function: energy diversion from consumers to microbes. *Ecol Appl* 14:805–822.
- Barnard, Thomas A., Jr., 1975. City of Hampton Tidal Marsh Inventory. Special Report No. 60 in Applied Marine Science and Ocean Engineering. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. October 1975.
- Barnard, W.D., 1978. Prediction and Control of Dredged Material Dispersion Around Dredging and Open-water Pipeline Disposal Operations. Technical Report DS-78-13, U.S. Army Corps of Engineers, Waterways Experiment Station, CK, Vicksburg, Mississippi. 102 pp.
- Beck, R., 2002. Personal communication with Dr. Ruth Beck, College of William and Mary, Williamsburg, Virginia. March 19, 2002.
- Beck, R., 2005. Personal communication with Dr. Ruth Beck, College of William and Mary, Williamsburg, Virginia. January 14, 2005.
- Berger (The Cultural Resource Group of Louis Berger, Inc.), 2001. Cultural Resources Survey: Hampton Roads Crossing Study; Candidate Build Alternatives 1, 9 & 2. VDOT Project No.: 0064-114-F12, PE10R, PPMS No., 12834. VDHR File No.: 93-0238. May 2001.
- Birdsong, R.S., R.L. Bedenbaugh, and R.D. Owen, 1984. Fin Fish Seasonality and Utilization of Hampton Roads and the Entrance Channel. Old Dominion University, Applied Marine Research Laboratory, Norfolk, Virginia.
- Boesch, D.F., 1971. Distribution and Structure of Benthic Communities in a Gradient Estuary: Ph.D. Dissertation at Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. Marvin L. Wass, Chairman

REFERENCES

- Boon, J.D. and R.J. Byrne, 1975. Hampton Bar Dredging Project, Newport News Shipbuilding and Dry Dock Co. Borrow Site, Monitor of Turbidity and Sedimentation. Final Report, Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. 46 pp.
- Boon, J.D. and G.R. Thomas, 1975. Report on Environmental Effects of the Second Hampton Roads Bridge-Tunnel Construction: Sediment Distributions and Bottom Characteristics. Contract Report, Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. 51 pp.
- Boon, J.D., H.V. Wang, S.C. Kim, A.Y. Kuo, and G.M. Sisson, 1999. Three-Dimensional Hydrodynamic-Sedimentation Modeling Study. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. Prepared for the Virginia Department of Transportation as a Technical Appendix to Hampton Roads Crossing Study.
- Boon, J.D., H.V. Wang, S.C. Kim, A.Y. Kuo, and G.M. Sisson, 2001. Three-Dimensional Hydrodynamic-Sedimentation Modeling Study, Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. Prepared for the U.S. Army Corps of Engineers, Craney Island Dredged Material Management Area Expansion Study.
- Byrd, M.A., 1991. Peregrine Falcon. In: Virginia's Endangered Species: Proceedings of a Symposium. Coordinated by K. Terwilliger, Nongame and Endangered Species Program, Virginia Department of Game and Inland Fisheries. The McDonald and Woodward Publishing Company, Blacksburg, Virginia. pp. 499-500.
- Byrne, R.J., C.H. Hobbs, III, and R.A. Gammisch, 1982. Report to the Coastal Erosion Abatement Commission, Commonwealth of Virginia Concerning the Inventory of Sand Supplies in the Southern Chesapeake Bay. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia
- Byrne, R.J., A. Kuo, R. Mann, J. Brubaker, E. Ruzicki, P. Hyer, R. Diaz, and J. Posenau, 1987. New Port Island: An Evaluation of Potential Impacts on Marine Resources of the Lower James River and Hampton Roads. Special Report No. 283 in Applied Marine Science and Ocean Engineering. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Cairns, W.E. and I.A. McLaren, 1980. Status of the Piping Plover on the East Coast of North America. 1980.
- Canter, L., 2004. Cumulative Effects Assessment of the Eastward Expansion of the Craney Island Dredged Material Management Area (CIDMMA). Submitted to U.S. Army Corps of Engineers, Norfolk District on April, 2004.

REFERENCES

- Canter, L., 1977. Environmental Impact Assessment. McGraw-Hill, Inc.
- Carroll, R., 2003. Nekton utilization of intertidal fringing salt marsh and revetment hardened shorelines. Masters Thesis, The College of William and Mary, Virginia Institute of Marine Sciences, Gloucester Point.
- Cerco, C.F. and A.Y. Kuo, 1981. Real-Time Water Quality Model of the Elizabeth River System. Special Report No. 215 in Applied Marine Science and Ocean Engineering, Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. 104 pp.
- Chen, H.S., 1978. Hydrodynamic and Biogeochemical Water Quality Models of Hampton Roads. Special Report No. 147 in Applied Marine Science and Ocean Engineering No. 147, Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. pp. 1-74.
- Chesapeake Bay Program, 1992. SAV Habitat Requirements and Restoration Targets: A Technical Synthesis. Annapolis, MD.
- Chesapeake Bay Local Assistance Department (CBLAD), 2002. Personal communication with Doug Beisch, CBLAD. April 2, 2002.
- Chesapeake Bay Program, 2002. Proposed and Existing SAV Exclusion Zones (draft map).
- City of Portsmouth, 2002. Letter from A. Travis Quesenberry (Assistant Director, Portsmouth Department of Public Utilities) to Malcolm Pirnie. April 24, 2002.
- Council on Environmental Quality, 1997. Considering Cumulative Effects Under the National Environmental Policy Act. Council on Environmental Quality, Executive Office of the President, January 1997.
- Cox, J. Lee, 1999. Phase I Remote Sensing Survey, Hampton Roads Crossing Study XE 1438, Hampton-Norfolk, Virginia. Prepared by Dolan Research, Philadelphia, Pennsylvania
- Currin B.M., J.P. Reed, J.M. Miller, 1984. Growth, production, food consumption, and mortality of juvenile spot and croaker: a comparison of tidal and nontidal nursery areas. *Estuaries* 7:451-459
- Dauer, D.M., 2000. Benthic Biological Monitoring Program of the Elizabeth River Watershed (1999). Prepared for Virginia Department of Environmental Quality, Tidewater Regional Office. Old Dominion University, Department of Biological Sciences, Norfolk, Virginia.
- Dauer, D.M., 2001. Benthic Biological Monitoring Program of the Elizabeth River Watershed (2000). Prepared for Virginia Department of Environmental Quality, Tidewater Regional Office. Old Dominion University, Department of Biological Sciences, Norfolk, Virginia.

REFERENCES

- Dauer, D.M., 2002. Benthic Biological Monitoring Program of the Elizabeth River Watershed (2001) with a Study of Paradise Creek. Prepared for Virginia Department of Environmental Quality, Tidewater Regional Office. Old Dominion University, Department of Biological Sciences, Norfolk, Virginia.
- Dauer, D.M. and R.M. Ewing, 1984. Macrobenthic Communities of the Lower Chesapeake Bay. Old Dominion University, Department of Biological Sciences, Norfolk, Virginia.
- Dauer, D.M. and R.M. Ewing, 1986. Macrobenthic communities in the vicinity of Craney Island. Prepared for the U.S. Army Corps of Engineers, Norfolk District. Old Dominion University, Department of Biological Sciences, Norfolk, Virginia.
- David Miller & Associates, 2004. DRAFT - Benefits Analysis: Craney Island Eastward Expansion Feasibility Study. Prepared for the U.S Army Corps of Engineers, Norfolk District. Nov 15, 2004.
- Dominion Virginia Power, 2002. Letter from Randall Wright (Chuckatuck Office, Dominion Virginia Power) to Malcolm Pirnie. April 23, 2002.
- Eby L.A., L.B. Crowder, C.B. McClellan, M.J. Powers, C.H. Peterson, 2005. Habitat degradation from intermittent hypoxia: impacts on juvenile fishes. *Mar Ecol Prog Ser* 291:249–262.
- Elizabeth River State of the River, 2003. The Elizabeth River Project, Portsmouth, Virginia. Monitoring activities provided by the Virginia Department of Environmental Quality, Tidewater Regional Office.
- Environmental Data Resources, Inc. (EDR), 2002. The EDR Radius Map with GeoCheck® - Craney Island Expansion. March 2002.
- Fang, C.S. 1975. Oceanographic, Water Quality and Modeling Studies for the Outfall from a Proposed Nansemond Waste Water Treatment Plant. VIMS. Gloucester Point, VA.
- Federal Highway Administration (FHWA), 1974. The Audible Landscape: A Manual for Highway Noise and Land Use. Prepared by Urban Systems Research and Engineering, Inc. of Cambridge, Mass. for the U.S. Department of Transportation Federal Highway Administration, Offices of Research and Development.
- Federal Highway Administration (FHWA), 1998. Traffic Noise Model User's Guide. Version 1.0. U.S. Department of Transportation. Final Report.
- Florida Museum of Natural History. <http://www.flmnh.ufl.edu/fish/Gallery/Descript/duskyshark/duskyshark.html>

REFERENCES

- Francese, R., 2001. Personal communication with Michele Cleland (USACE), Hampton Shoreline Protection Project.
- Fraser, J.D., D.A. Buehler, G.D. Therres, and J.K.D. Seegar, 1991. Bald Eagle. In: S. L. Funderburk, S. J. Jordan, J.A. Mihursky, and D. Riley, eds., Habitat Requirements for Chesapeake Bay Living Resources. Chesapeake Bay Estuary Program, USFWS, Annapolis, Maryland. pp. 21-1 to 21-9.
- Geer, P.J., 2000. Essential Fish Habitat Assessment for the Route 164 Pinners Point Connector. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. June 1, 2000.
- Grubbs, R.D., 2001. Nursery delineation, habitat utilization, movements, and migration of juvenile *Carcharinus plumbeus* in Chesapeake Bay, Virginia, USA. PhD Dissertation, School of Marine Science, The College of William and Mary.
- Hagy, J.D., 2002. Eutrophication, hypoxia, and trophic transfer efficiency in Chesapeake Bay. PhD dissertation, University of Maryland, Center for Environmental Science, Solomons, MD.
- Hampton Roads Maritime Administration (HRMA), 2001. Port of Hampton Roads Annual 2001.
- Hampton Roads Maritime Administration (HRMA), 2002. Port of Hampton Roads Annual 2002.
- Hampton Roads Planning District Commission (HRPDC), 1998. Hampton Roads 2020 Economic Projections. June 1998.
- Hampton Roads Planning District Commission (HRPDC), 1998. Intermodal Management System, Regional Freight Movement, Hampton Roads, Virginia. April 1998.
- Hampton Roads Planning District Commission (HRPDC), 1999. Regional Stormwater Loading Study: Proposed Regional Monitoring Program and Program Effectiveness Indicators. Prepared by CH2MHill for HRPDC Regional Stormwater Management Committee (Cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth and Virginia Beach).
- Hampton Roads Planning District Commission (HRPDC), 2001. Congestion Management System for Hampton Roads, Virginia. June 2001.
- Hampton Roads Planning District Commission (HRPDC), 2001. 2001 HRPDC Economic Outlook. July 2001.
- Hampton Roads Planning District Commission (HRPDC), 2001. Hampton Roads 2021 Regional Transportation Plan, Technical Document and Technical Document Appendices. July 2001.
- Hampton Roads Planning District Commission (HRPDC), 2002. Personal communications with Camelia Ravanbakht (Principal Transportation Engineer, HRPDC). April 25 and 26, 2002.

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CRANEY ISLAND EASTWARD EXPANSION

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REFERENCES

- Hampton Roads Sanitation District (HRSD), 2002. Letter from Ross E. Schlobohm (Chief of Planning, HRSD) to Malcolm Pirnie. April 12, 2002.
- Haven, D.S. and P.C. Kendall, 1981. The Shellfish Resource in the Vicinity of the Proposed Bridge-Tunnel for I-664: Conducted for the Virginia Department of Highways and Transportation, Projects 0664-121-102, RW-201 and 0664-061-102, RW 201. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Heltzel, S.B. and M.A. Granat. 1988. Lower James River Circulation Study, Virginia; Evaluation of Craney Island Enlargement Alternatives. Tech. Rpt. HL-88-8. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.
- Hershner, C.H., J.D. Boon III, H.V. Wang, 2002. A Statement of Developing a Water Quality Model in the Lower James. VIMS, Gloucester Point, VA.
- Hines A.H., A.M. Haddon, L.A. Wiechert, 1990. Guild structure and foraging impact of blue crabs and epibenthic fish in a subestuary of Chesapeake Bay. *Mar Ecol Prog Ser* 67: 105–126.
- Hoffler Creek Wildlife Foundation, 2002. Available at <http://www.hofflercreek.org>.
- Hurley, L., 1991. Field Guide to the Submerged Aquatic Vegetation of the Chesapeake Bay. Maryland Tidewater Administration, U.S. Fish and Wildlife Service, Chesapeake Bay Estuary Program, U.S. Army Corps of Engineers, Baltimore District.
- Klauda, R.J., S.A. Fischer, L.W. Hall, Jr., and J.A. Sullivan, 1991a. Alewife and Blueback Herring. In: S.L. Funderburk, S.J. Jordan, J.A. Mihursky, and D. Riley, eds., *Habitat Requirements for Chesapeake Bay Living Resources, Second Edition*. Habitat Objectives Workgroup, Living Resources Subcommittee, Chesapeake Research Consortium, Inc., Solomons, Maryland.
- Klauda, R.J., S.A. Fischer, L.W. Hall, Jr., and J.A. Sullivan, 1991b. American Shad and Hickory Shad. In: S.L. Funderburk, S.J. Jordan, J.A. Mihursky, and D. Riley, eds., *Habitat Requirements for Chesapeake Bay Living Resources, Second Edition*. Habitat Objectives Workgroup, Living Resources Subcommittee, Chesapeake Research Consortium, Inc., Solomons, Maryland.
- Kuo, A.Y., R.J. Byrne, J.M. Brubaker, and J.H. Posenau, 1988. Vertical Transport Across an Estuary Front. In J. Dronkers and W. van Leussen, eds., *Physical Processes in Estuaries*, Springer-Verlag, Berlin, Germany. pp. 93-109.
- Kuo, A.Y., R.J. Byrne, P.V. Hyer, E.P. Ruzicki, and J.M. Brubaker, 1990. Practical Application of Theory for Tidal-Intrusion Fronts. *Journal of Waterway, Port, Coastal, and Ocean Engineering*. 116(3): 341-361.

REFERENCES

- Land, M.F., P.J. Geer, C.F. Bonzek, and H.M. Austin, 1995. Juvenile Finfish and Blue Crab Stock Assessment Program Bottom Trawl Survey Annual Data Summary Report Series. Special Report, No. 124, Volume 1994. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Lowery, W.A., M.T. Mathes, and P.J. Geer, 2000. Juvenile Fish and Blue Crab Stock Assessment Program Bottom Trawl Survey, Annual Data Summary Report. Special Report, No. 124, Volume 1999. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Malcolm Pirnie, Inc., 2000. Norfolk International Terminals Noise Study. Prepared for the Virginia Port Authority. November 2000.
- Mann, R., 1996. Personal communication. Virginia Institute of Marine Science (VIMS).
- Mann, R., 1999. The Current Status of the Rapa Whelk in the Chesapeake Bay. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. April 1999.
- Mann, R. and J.M. Harding, 2000. Variability in Larval Development of Veined Rapa Whelk *Rapana venosa* from Chesapeake Bay, USA: Implications for Ecological Success in Local Habitats. June 2000.
- Mann, R., 2002. Fishery Independent Standing Stock Surveys of Hard Clam Populations in the Chesapeake Bay and a Comparison With Continuing Estimates from Fishery Dependent Data. Annual progress report for Chesapeake Bay Stock Assessment Committee (CBSAC)-NOAA project #NA07FU0535. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia, and Virginia Marine Resources Commission, Newport News, Virginia.
- Manny, B.A., D.W. Schloesser, C.L. Brown, and J.R. French, III, 1985. Ecological Effects of Rubble-Mound Breakwater Construction and Channel Dredging at West Harbor, Ohio (Western Lake Erie). Technical Report EL-85-10, U.S. Army Corps of Engineers, Waterways Experiment Station, CK, Vicksburg, Mississippi. 30 pp.
- Mansfield, K., 2006. Review of VIMS stranding records. Personal Communication.
- Mansfield, K., E. Seney and J. Musick. 2002. An Evaluation of Sea Turtle Abundances, Mortalities and Fisheries Interactions in the Chesapeake Bay, Virginia, 2001. National Marine Fisheries Service, NEFSC. Woods Hole, Massachusetts. Contract #: 43-EA-NF-110773.
- Marshall, A. S., 1974. Structural and Functional Analysis of Eelgrass Fish Communities. Thesis. University of North Carolina, Chapel Hill.

REFERENCES

- Martin, Julia H., 1988. Estimates of the Population of Virginia Counties and Cities: 1986 and 1987. Center for Public Service. University of Virginia, Charlottesville, Virginia. September 1988
- Martin Associates, 1999. The Economic Impact of the Port of Virginia on the Commonwealth, Executive Summary. Prepared for the Virginia Port Authority. September 21, 1999.
- Medved, R.J. and J.A. Marshall, 1981. Feeding Behavior and Biology of Young Sandbar Sharks, *Carcharhinus plumbeus* (Pisces, Carcharhinidae), in Chincoteague Bay, Virginia. Fishery Bulletin 79. pp. 441-447.
- Moffatt & Nichol Engineers, 2002. Vessel Call Data, Manpower Projections, Equipment Demand, and Traffic Projections for Proposed Craney Island Terminal. Prepared on behalf of the Virginia Port Authority. April 17, 2002.
- Moffat & Nichol Engineers, 2004. DRAFT - Economic Impact Study: Craney Island Marine Container Terminal. Prepared on behalf of the Virginia Port Authority. November 24, 2004.
- Moffat & Nichol Engineers, 2004. Memorandum – Eastward Expansion of Craney Island Construction Assumptions. Prepared for the U.S. Army Corps of Engineers, Norfolk District. November 12, 2004.
- Montgomery, R.L., and G.L. Raymond, 1982. Overview of Corps Research Program on Dredging Contaminated Sediments. Management of Bottom Sediments Containing Toxic Substances: Proceedings of the 8th U.S./Japan Experts Meeting, Tokyo, Japan.
- Murdy, E., R. Birdsong, and J. Musick, 1997. Fishes of Chesapeake Bay. Smithsonian Institution Press, Washington D.C.
- Neilson B. N., and C. S. Fang. 1975. A Hydrographical and Water Quality Study During the Construction of Second Hampton Roads Bridge-Tunnel. A Report to the Virginia Department of Highways. Virginia Institute of Marine Science, The College of William and Mary, Gloucester Point, Virginia.
- Nichols, M.M. and M.M. Howard-Strobel, 1991. Evolution of an Urban Estuarine Harbor: Norfolk, Virginia, Journal of Coastal Research, 7(3). 745-757.
- Old Dominion University Regional Studies Institute, 2001. The State of the Region: The Port of Hampton Roads.
- Office of Statistical and Economic Analysis, 2002. Vessel Calls at U.S. Ports 2000. January 2002.

REFERENCES

- Orth, R.J., D.J. Wilcox, L.S. Nagey, A.L. Owens, J.R. Whiting, and A. Serio, 2004. Preliminary Distribution of Submerged Aquatic Vegetation in the Chesapeake Bay and Tributaries and the Coastal Bays. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Panamerican Consultants, Inc. 2000. Phase I Archaeological Remote Sensing Survey East of the Craney Island, Elizabeth River, Virginia. Prepared for U.S. Army Corps of Engineers, Norfolk District.
- Parsons Brinckerhoff, 1998. Commuter Rail Feasibility Study. Prepared for the Wisconsin Department of Transportation, City of Madison, Dane County. Chapter 5. September 1998.
- Powers, SP, C.H. Peterson, R.R. Christian, E. Sullivan, M.J. Powers, M.J. Bishop, C.P. Buzzelli, 2005. Effects of eutrophication on bottom habitat and prey resources of demersal fish. *Mar Ecol Prog Ser* 302: 233-243.
- Priest, W., 1981. A Study of Dredging Effects in Hampton Roads, Virginia. Special Report No. 247 in Applied Marine Science and Ocean Engineering. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Ranasinghe, J.A., S.B. Weisberg, D.M. Dauer, L.C. Schaffner, R.J. Diaz, and J.B. Frithsen, 1993. Chesapeake Bay Benthic Community Restoration Goals, VERSAR, Inc., Report to USEPA, CBLO, and Maryland Governor's Council on Chesapeake Bay Research Fund and Maryland Department of Natural Resources. 49 pp. w/Appendix.
- Schueler, T.R., 1987. Controlling Urban Runoff: A Practical Manual for Planning and Designing Urban BMPs. Prepared for the Washington Metropolitan Water Resources Planning Board. 275 p.
- Seitz, R.D., R.N. Lipcius, N.H. Olmstead, M.S. Seebo, and D.M. Lambert, In review 2005. Influence of shallow-water habitats and shoreline development upon abundance, biomass, and diversity of Chesapeake Bay Benthos and their predators. *Marine Ecology Progress Series*.
- Seitz, R.D., and R.N. Lipcius, 2002. Impact of the Craney Island Extension on Abundance, Biomass, and Diversity of Dominant Benthic Species. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. January 29, 2002. pp. 23.
- Setzler-Hamilton, E.M., 1991a. White Perch. In: S.L. Funderburk, S.J. Jordan, J.A. Mihursky, and D. Riley, eds., *Habitat Requirements for Chesapeake Bay Living Resources, Second Edition. Habitat Objectives Workgroup, Living Resources Subcommittee, Chesapeake Research Consortium, Inc. Solomons, Maryland.*
- Setzler-Hamilton, E.M., 1991b. Striped Bass. In: S.L. Funderburk, S.J. Jordan, J.A. Mihursky, and D. Riley, eds., *Habitat Requirements for Chesapeake Bay Living Resources, Second Edition. Habitat Objectives Workgroup, Living Resources Subcommittee, Chesapeake Research Consortium, Inc. Solomons, Maryland.*

REFERENCES

- Silberhorn, G.M., 1981. York County and Town of Poquoson Tidal Marsh Inventory. Special Report No. 53 in Applied Marine Science and Ocean Engineering. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. May 1981.
- Silberhorn, G.M., and S. Dewing, 1989. City of Portsmouth Tidal Marsh Inventory. Special Report No. 299 in Applied Marine Science and Ocean Engineering. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia.
- Southeastern Virginia Planning District Commission, 1990. Groundwater Protection Handbook for Southeastern Virginia.
- Southworth, M.J., J.M. Harding, and R. Mann, 2000. Abundance of Small Predatory Gastropods in Relation to Lower Chesapeake Bay Oyster Populations. Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia. April 2000.
- Springer, S., 1960. Natural History of the Sandbar Shark *Eulamia milberti*. U.S. Fish and Wildlife Service Fishery Bulletin 61. pp. 1-38.
- Stern, E.M., and W. B. Stickle, 1978. Effects of Turbidity and Suspended Material in Aquatic Environments: Literature Review, Technical Report D-78-21. Prepared by the University of Wisconsin and Louisiana State University for the U.S. Army Corps of Engineers, Waterways Experiment Station, CK, Vicksburg, Mississippi.
- Thomas Bragg and Associates, 2000. Noise Exposure Analysis Report. Vandeventer Black, LLP. Norfolk, Virginia.
- Thumann, A. and R.K. Miller, 1990. Fundamentals of Noise Control Engineering. 2nd ed. The Fairmont Press. Lilburn, Georgia.
- U.S. Army Corps of Engineers (USACE), 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1, Final Report.
- U.S. Army Corps of Engineers (USACE), Norfolk District, 1990. Main Report, Norfolk Harbor and Channels, Virginia, Long-Term Disposal (Inner Harbor). Norfolk, Virginia. June 1990.
- U.S. Army Corps of Engineers (USACE), 2005. Hydrodynamic Modeling Final Report Executive Summary. Available at <http://www.nao.usace.army.mil/gis/craneyee/index.asp>. Viewed January 14, 2005.
- U.S. Army Corps of Engineers (USACE), Norfolk District, 2002. Internal memorandum prepared by Doug Stamper. April 23, 2002.

REFERENCES

- U.S. Army Corps of Engineers (USACE), Norfolk District, 2000. Formulation Analysis Notebook: Elizabeth River Basin, Virginia: Elizabeth River Environmental Restoration--Feasibility Investigation. 173 pp. w/Appendices.
- U.S. Census Bureau, Housing and Economic Statistics Division, Small Estimates Branch, 2001. County Estimates for Median Household Income for Virginia: 1998. Available at http://www.census.gov/hhes/www/saipe/stcty/c98_51.htm. Last Revised December 20, 2001.
- U.S. Census Bureau, Public Information Office, 1990. Census 1990. Available at <http://factfinder.census.gov/home/en/decennialdata.html#1990>. Viewed August 2, 2005.
- U.S. Census Bureau, Public Information Office, 2002. Census 2000. Available at <http://www.census.gov/main/www/cen2000.html>. Viewed August 2, 2005.
- U.S. Environmental Protection Agency (USEPA), 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. EPA-550/9-74-004.
- U.S. Environmental Protection Agency (USEPA), 1991. Nonroad Engine and Vehicle Emission Study-Report. EPA 460/3-91-02. November 1991.
- U.S. Environmental Protection Agency (USEPA), 1995. Chesapeake Bay: Introduction to an Ecosystem. Edited by Kathryn Reshetiloff. Prepared for Chesapeake Bay Program.
- U.S. Environmental Protection Agency (USEPA), 1997. Emission Factors for Locomotives. EPA 420-F-97-051. December 1997.
- U.S. Environmental Protection Agency (USEPA), 2000. Analysis of Commercial Marine Vessels Emissions and Fuel Consumption Data. EPA 420-R-00-002. February 2000.
- U.S. Fish and Wildlife Service (USFWS), 1973. National Wetland Inventory Hampton, Virginia Quadrangle. Office of Biological Services. March 1973.
- U.S. Fish and Wildlife Service (USFWS), 1987. Habitat Management Guidelines for the Bald Eagle in the Southeast Region. Third Revision - January 1987. 9 pp.
- U.S. Fish and Wildlife Service (USFWS), 1990. Chesapeake Bay Region Bald Eagle Draft Recovery Plan: First Revision. USFWS, Region Five, Newton Corner, Massachusetts. 49 pp. w/Appendices.
- U.S. Fish and Wildlife Service (USFWS), 1994 and 1995. USFWS field notes appended to VDOT and FHA Hampton Roads Crossing Study Final Environmental Impact Statement. March 2001.

REFERENCES

- U.S. Fish and Wildlife Service (USFWS), 2002. Threatened and Endangered Species System (TESS): Listed Species with Critical Habitat as of April 30, 2002. Available at http://ecos.fws.gov/webpage/webpage_crithab.html?module=undefined&listings=0#B
- U.S. Fish and Wildlife Service (USFWS), 2005. National Wetlands Inventory Map. Branch of Habitat Assessment, Department of the Interior. July 29, 2005.
- Van Dolah, R.F., et al. 1987. "Ecological Effects of Rubble Weir Jetty Construction at Murrells Inlet, South Carolina; Volume III: Community Structure and Habitat Utilization of Fishes and Decapods Associated with the Jetties," Technical Report EL-84-4, prepared by South Carolina Wildlife and Marine Resources Department, Charleston, S.C., for U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.
- Van Heukelem, W., 1991. Blue Crab, *Callinectes sapidus*. In: S.L. Funderburk, S.J. Jordan, J.A. Mihursky, and D. Riley, eds., Habitat Requirements for Chesapeake Bay Living Resources, Prepared for Living Resources Subcommittee Chesapeake Bay Program.
- Virginia Department of Environmental Quality (VDEQ), 1994. Virginia Water Quality Assessment, 1994.
- Virginia Department of Conservation and Recreation (VD CR), 2002. Letter from Elizabeth Locklear (VD CR) to Malcolm Pirnie. March 26, 2002.
- Virginia Department of Environmental Quality (VDEQ), 2002. Year 2008 Hampton Roads projection Inventory Provided by Tom Ballou (VDEQ, Office of Air Data Analysis). March 13, 2002.
- Virginia Department of Environmental Quality (VDEQ), 2002. Virginia Oyster Heritage Program: Oyster Facts. Available at <http://www.deq.state.va.us/oysters/oystfact.html>. April 17, 2002.
- Virginia Department of Game and Inland Fisheries (VDGIF), 2002. Letter from Shelly A. Miller (VDGIF) to Malcolm Pirnie. March 28, 2002.
- Virginia Department of Historic Resources (VDHR), 2001. Letter from Quatro Hubbard (VDHR Archives) to Landmark Design Group. June 20, 2001.
- Virginia Department of Historic Resources (VDHR), 2002. Letter from Trent M. Park (VDHR Archives) to Malcolm Pirnie. March 14, 2002.
- Virginia Department of Historic Resources (VDHR), 2002. Personal communication between Trent M. Park (VDHR Archives) and Malcolm Pirnie, Inc. March 27, 2002.
- Virginia Department of Historic Resources (VDHR), 2002. Personal communication between Quatro Hubbard (VDHR Archives) and Malcolm Pirnie, Inc. April 23, 2002.

REFERENCES

- Virginia Department of Transportation (VDOT) and Federal Highway Administration (FHA), 2001. Hampton Roads Crossing Study Final Environmental Impact Statement. March 2001.
- Virginia Department of Transportation (VDOT), 2002. I-64 Widening Projects on the Peninsula. Available at <http://www.virginiadot.org/projects/studyhro-I64widening.asp>.
- Virginia Department of Transportation (VDOT), 2002. Personal communication between Mary Ellen Hodges (VDOT, Environmental Division) and Malcolm Pirnie, Inc. April 30, 2002.
- Virginia Institute of Marine Science, 2002. Chesapeake Bay Stock Assessment Committee Blue Crab Advisory Report 2002. Available at <http://www.fisheries.vims.edu/bcar/>
- Virginia International Terminals (VIT), 2002. Personal communication with Charles Thompson, Safety Officer, VIT. April 2, 2002.
- Virginia Marine Resources Commission (VMRC), 2002. Personal communication with Chad Boyce. March 20, 2002.
- Virginia Marine Resources Commission (VMRC), 2002a. Personal communication with Randy Owen. April 3, 2002.
- Virginia Marine Resources Commission (VMRC), 2002b. Personal communication with Jim Wesson. April 17, 2002.
- Virginia Pilots Association, 2002. Personal communication between Captain William Councilman, (Vice President, Virginia Pilots Association) and Moffatt & Nichol Engineers. April 19, 2002.
- Virginia Pilots Association, 2004. Personal communication with Captain William Councilman, (Vice President, Virginia Pilots Association). November 29, 2004.
- Virnstein, R.W., 1977. The importance of predation by blue crabs and fishes on benthic infauna in Chesapeake Bay. *Ecology* 58: 1199-1217.
- VPA 2040 Master Plan, 2003. Prepared by Moffatt & Nichol Engineers for the VPA Board of Commissioners and the VIT Board of Directors.
- Wang, H.V., S.C. Kim, J.D. Boon, A.Y. Kuo, G.M. Sisson, J.M. Brubaker, and J.P-Y. Maa., 2001. Three Dimensional Hydrodynamic Modeling Study Craney Island Eastward Expansion, Lower James River and Elizabeth River, Virginia. Final Report to the U.S. Army Corps of Engineers, Norfolk District, and the Virginia Port Authority. Special Report No. 372 in Applied Marine Science and Ocean Engineering, Virginia Institute of Marine Science, Gloucester Point, Virginia. 157 pp.

REFERENCES

- Watts, Gordon P., 1987. A Remote Sensing Reconnaissance Survey of the Remains of the USS Cumberland, CSS Florida, and the Wreck Site of the CSS Virginia. Prepared for Hampton Roads Naval Museum, Norfolk, Virginia, by Tidewater Atlantic Research, Wilmington, North Carolina
- Weldon Cooper Center, 2005. www.coopercenter.org/demographics
- Wesson, James A., 1995. Fishery Independent Stock Assessment of Virginia's Hard Clam Population of the Chesapeake Bay: Final Report for the period September 1, 1994 – March 31, 1995. Submitted to the Virginia Coastal Resource Management Program.
- Wyle Laboratories, 1973. Assessment of Noise Environments Around Railroad Operations. Report WCR-73-5. July 1973.