

7. REFERENCES

- Agricultural and Forestal Districts Act-Virginia Law. Accessed February, 2016:
<http://law.lis.virginia.gov/vacodepopularnames/agricultural-and-forestal-districts-act/>
<http://law.lis.virginia.gov/vacodepopularnames/local-agricultural-and-forestal-districts-act/>
- American Association of State Highway and Transportation Officials. 2009. *Guide Specifications for Bridges Vulnerable to Coastal Storms*.
- American Association of State Highway and Transportation Officials. 2011. *A Policy on Geometric Design of Highway and Streets*.
- American Association of State Highway and Transportation Officials. 2013. *Guide for the Development of Bicycle Facilities*.
- American Community Survey. 2015. *American Community Survey 5-year 2009-2013. American FactFinder*. Retrieved August to December 2015:
<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>.
- ArcGIS Online: http://landscape4.arcgis.com/arcgis/services/USA_Soils_Farmland_Class/ImageServer
- Baird, A. 2015. *Personal communication. Letter from Alli Baird (VDCR-NHD) to Tara Dillard (Stantec)*. 11/12/15.
- Brown, T.G., Runciman, B., Bradford, M. J., S. Pollard, S. 2009. *A Biological Synopsis of Yellow Perch (Perca flavescens)*. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2883. 28p.
- Cetin, Mecit, F. Habtemichael, and K. Anuar. In Draft. Investigation of Sources of Congestion at the Hampton Roads Bridge Tunnel. Virginia Center for Innovative Transportation Research. On file at the Virginia Department of Transportation: Richmond.
- Chesapeake Bay Program. 2016. *Eastern Oyster*. Retrieved February 2016:
http://www.chesapeakebay.net/fieldguide/critter/eastern_oyster.
- Chesapeake Bay Program. 2016. *Hard Clam*. Retrieved February 2016:
http://www.chesapeakebay.net/fieldguide/critter/hard_clam.
- Chesapeake Bay Stock Assessment Committee. 2015. *2015 Chesapeake Bay Blue Crab Advisory Report*.
- City of Chesapeake. 2013. *Proposed Commonwealth Railway Trail in Western Branch, Phase-1*. Retrieved December 2015:
http://www.cityofchesapeake.net/Assets/documents/boards_commissions/bicycle_trails/Western+Branch+Trail+Phase+I.pdf
- City of Chesapeake. 2014. *Moving Forward – Chesapeake 2035*. Retrieved December 2015:
<http://ez.cityofchesapeake.net/files/assets/common/downloads/CompPlan2035.pdf>.
- City of Chesapeake. 2015a. *History of Chesapeake*. Retrieved December 2015:
<http://www.cityofchesapeake.net/Visitors/history.htm>.

- City of Chesapeake. 2015b. *Community Map*. Retrieved October 2015:
<http://gisweb.cityofchesapeake.net/public-maps-gallery/map.html?webmap=09bc38c13e224c5587d164ae7ace4ee5>.
- City of Hampton. 2006. *Hampton Community Plan*. Retrieved December 2015:
<http://hampton.gov/DocumentCenter/Home/View/574>.
- City of Hampton. 2011. *Hampton Bike Facilities*. Retrieved December 2015:
<http://hampton.gov/DocumentCenter/View/4941>
- City of Hampton. 2012. *Community Plan Update 2011: Strategic Issues*. Retrieved December 2015:
<http://hampton.gov/index.aspx?nid=2007>.
- City of Hampton. 2015. *City of Hampton GIS*. Retrieved December 2015:
<http://webgis.hampton.gov/sites/ParcelViewer/>
- City of Newport News. 2005. *Framework for the Future 2030*. Retrieved December 2015:
<http://www2.nngov.com/newport-news/plan/framework2008/index.html>.
- City of Newport News. 2015a. *City of Newport News GIS*. Retrieved December 2015:
<http://gis2.nngov.com/gis/>.
- City of Newport News. 2015b. *Comprehensive Plan Update*. Retrieved December 2015:
<http://www.nngov.com/1763/Comprehensive-Plan-Update>.
- City of Norfolk. 2013a. *plaNorfolk 2030*. Retrieved December 2015:
<http://www.norfolk.gov/index.aspx?nid=1376>.
- City of Norfolk. 2013b. *Civic Leagues; City of Norfolk, Virginia*. Retrieved December 2015:
<http://www.norfolk.gov/DocumentCenter/View/949>.
- City of Norfolk. 2015a. *City of Norfolk GIS*. Retrieved December 2015:
<http://data.orf.opendata.arcgis.com/?mapSize=map-maximize>.
- City of Norfolk. 2015b. *Bike Network; City of Norfolk, Virginia*. Retrieved December 2015:
<http://www.norfolk.gov/DocumentCenter/View/1387>
- City of Portsmouth. 2005. *Destination 2025: Setting a Bold New Course*. Retrieved December 2015:
<http://www.portsmouthva.gov/planning/compmain.aspx>.
- City of Portsmouth. 2015. *City of Portsmouth GIS*. Retrieved December 2015:
<http://www2.portsmouthva.gov/website/assessment/viewer.htm>.
- City of Suffolk. 2015a. *Suffolk 2035: A Vision for the Future*. Retrieved December 2015 from
[http://www.suffolkva.us/files/6414/2971/1665/SUFFOLK_COMP_PLAN - FINAL 4-8-15sm2.pdf](http://www.suffolkva.us/files/6414/2971/1665/SUFFOLK_COMP_PLAN_-_FINAL_4-8-15sm2.pdf).
- City of Suffolk. 2015b. *City of Suffolk GIS*. Retrieved December 2015: <http://webmap.suffolk-va.net/finder/s2.html?app=apps2/finder>.
- City of Suffolk. 2015c. *Suffolk Transit Blue and Gold Route*. Retrieved December 2015:
[http://www.suffolkva.us/files/8614/3835/8137/Suffolk_BlueGold - update.pdf](http://www.suffolkva.us/files/8614/3835/8137/Suffolk_BlueGold_-_update.pdf).

City of Virginia Beach. 2015. Key Industries: Tourism. Retrieved September 2015 from <http://www.yesvirginiabeach.com/key-industries/tourism>.

Claggett, M. Ph.D., FHWA Resource Center. 2006. *CAL3Interface – A Graphical User Interface for the CALINE3 and CAL3QHC Highway Air Quality Models*.

Council on Environmental Quality. 1997. *Environmental Justice Guidance Under the National Environmental Policy Act*. Retrieved August 2015:
http://www.epa.gov/oecaerth/environmentaljustice/resources/policy/ej_guidance_nepa_ceq1297.pdf.
[on](#).

Environmental Protection Agency. 1992. *Guidelines for Modeling Carbon Monoxide from Roadway Intersections*.

Environmental Protection Agency. 1995. *User's Guide to CAL3QHC Version 2.0: A Modeling Methodology for Predicting Pollutant Concentrations Near Roadway Intersections*, EPA-454/R-92-006 (Revised).

Environmental Protection Agency. 1999. Consideration of Cumulative Impacts in EPA Review of NEPA Documents. US Environmental Protection Agency, Office of Federal Activities. Retrieved from <http://www.epa.gov/compliance/resources/policies/nepa/cumulative.pdf>.

Environmental Protection Agency. 2010. *Using MOVES in Project-Level Carbon Monoxide Analyses*. Washington, DC: US Environmental Protection Agency. Retrieved:
<http://www.epa.gov/oms/stateresources/transconf/policy/420b10041.pdf>.

Federal Emergency Management Agency (FEMA). 2016. No Rise Certifications for Floodways. Retrieved July 2016: <https://www.fema.gov/no-rise-certification-floodways>.

Federal Highway Administration. No Date. Traffic Bottlenecks. Retrieved from <http://ops.fhwa.dot.gov/bn/lbr.htm#g6>.

Federal Highway Administration. 1987. *Guidance for Preparing and Processing Environmental and Section 4(F) Documents*. FHWA Technical Advisory T 6640.8A (October 30). Washington, DC: US Department of Transportation.

Federal Highway Administration. 1996. *Community Impact Assessment: A Quick Reference for Transportation*. Office of Environment and Planning. FHWA-PD-96-036. Retrieved January 2016:
http://www.fhwa.dot.gov/livability/cia/quick_reference/chapter05.cfm.

Federal Highway Administration. 1998. *Community Impact Mitigation: Case Studies*. Office of Environment and Planning. FHWA-PD-98-024.

Federal Highway Administration. 2012. *Interim Guidance Update on Mobile Source Air Toxics Analysis in NEPA*. Retrieved:
http://www.fhwa.dot.gov/environment/air_quality/air_toxics/policy_and_guidance/aqintguidmem.cfm.

Federal Highway Administration. 2013. *Highway Functional Classification Concepts, Criteria and Procedures*. Retrieved December 2015:

https://www.fhwa.dot.gov/planning/processes/statewide/related/highway_functional_classifications/cauab.pdf.

Federal Highway Administration. 2014. Questions and Answers Regarding the Consideration of Indirect and Cumulative Impacts in the NEPA Process. US Department of Transportation. Retrieved from <http://www.environment.fhwa.dot.gov/guidebook/qaimpact.asp>.

Federal Highway Administration. 2015a. *National Highway System*. Retrieved January 2016: http://www.fhwa.dot.gov/planning/national_highway_system/.

FHWA. 1998. *Community Impact Mitigation: Case Studies*. Office of Environment and Planning. FHWA-PD-98-024.

Federal Highway Administration. 2015b. *Environmental Justice Reference Guide*. (FHWA-HEP-15-35). Retrieved August 2015: https://www.fhwa.dot.gov/environment/environmental_justice/resources/reference_guide_2015/.

Federal Highway Administration. 2016. *Updated Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents*.

Federal Highway Administration, US Department of Transportation. 2010. 23 CFR Part 772, as amended 75 FR 39820, *Procedures for Abatement of Highway Traffic Noise and Construction Noise*. Washington, DC. http://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/.

Federal Highway Administration, US Department of Transportation. 2011. *Highway Traffic Noise: Analysis and Abatement Guidance*. Washington, D.C. http://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/analysis_and_abatement_guidance/revguidance.pdf.

Federal Highway Administration Directive Subject. 2014. *Transportation System Preparedness and Resilience to Climate Change and Extreme Weather Events Classification Code: 5520*.

Fleming, G. P., & Patterson, K. D. 2013. *Natural Communities of Virginia: Ecological Groups and Community Types*. *Natural Heritage Technical Report 13-16*. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, Virginia. 36 pages.

Hampton Roads Economic Development Alliance. 2015. *Hampton Roads - Major Employers*. Retrieved August 2015: <http://colleges.startclass.com/l/4402/Old-Dominion-University>.

Hampton Roads Planning District Commission. 2012. *Climate Change in Hampton Roads: Phase III: Sea Level Rise in Hampton Roads, Virginia* 2012: <http://theicnet.org/wp-content/uploads/2015/07/2012-09-Hampton-Roads-2012.pdf>.

Hampton Roads Planning District Commission. 2014. *Regional Trails Taking Shape in Hampton Roads*. August 12, 2014. Retrieved December 2015: <http://www.hrpdcva.gov/news/article/august/12/2014/regional-trails-taking-shape-in-hampton-roads>.

Hampton Roads Transit. 2013. *Southside and Peninsula System Maps*. (June 2013). Retrieved: <http://gohrt.com/route/>.

Hampton Roads Transit. 2015a. Naval Station Norfolk Transit Extension Study Final Report. 2015. Retrieved December 2015 from http://gohrt.com/wp-content/uploads/2013/05/FINAL-NSN_Report_05122015_V2.pdf.

Hampton Roads Transit. 2015b. System Maps. Retrieved December 2015 from <http://gohrt.com/route/>. Hampton Roads Transit. 2015. Metro Area Express. Retrieved August 2015: <http://gohrt.com/route/metro-area-express/>.

Hampton Roads Transportation Accountability Commission. 2015. HRTAC Regional Financial Plan Initial Scenarios. Retrieved July 2016 at <http://www.hrtac.org/uploads/docs/15%207B%20Plan%20of%20Finance%20Summary%20Presentatio%20n.pdf>.

Hampton Roads Transportation Planning Organization. 2011a. *Hampton Roads Military Transportation Needs Study – Highway Network Analysis. Report T11-04*. Retrieved August 2015: <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2011b. *Traffic Impact of an Inland Port in Hampton Roads. HRTPO Report T11-07*. Retrieved August 2015: <http://hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2011c. *Hampton Roads Regional Land Use Map. Report Number T11-02*. Retrieved August 2015: <http://www.hrtpo.org/page/technical-reports/>

Hampton Roads Transportation Planning Organization. 2012a. *Hampton Roads Military Transportation Needs Study: Military Commuter Survey. HRTPO Report T12-11*. Retrieved: <http://hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2012b. Hampton Roads Regional Freight Study, 2012 Update. Report T12-12. Retrieved August 2015 from <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2012. *2034 Long-Range Transportation Plan. Chesapeake, Virginia*. Retrieved: <http://webcache.googleusercontent.com/search?q=cache:ocBFhRTekgJ:www.hrtpo.org/page/2034-long-range-transportation-plan/+&cd=1&hl=en&ct=clnk&gl=us>.

Hampton Roads Transportation Planning Organization. 2012b. *Regional Bridge Study – 2012 Update. Report T12-4*. Retrieved November 2015: <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2013a. *Hampton Roads Regional Travel Time Reliability Study. HRTPO Report T13-07*. Retrieved August 2015 at <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2013b. Hampton Roads 2040 Socioeconomic Forecast. Retrieved September 2015 from <http://www.hrtpo.org/page/travel-models-and-forecasts/>.

Hampton Roads Transportation Planning Organization. 2013c. Existing and Future Truck Delay in Hampton Roads; Preparation for Project Prioritization. Report T13-08. Retrieved November 2015 from <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2013d. *Hampton Roads 2009 and 2040 Socioeconomic Data by TAZ. Report T13-10*. Retrieved August 2015: <http://www.hrtpo.org/page/travel-models-and-forecasts/>.

Hampton Roads Transportation Planning Organization. 2013. *Hampton Roads Regional Safety Study 2013 Update, Part I. October 2013*. Retrieved November 2015: [http://www.hrtpo.org/uploads/docs/HR%20Regional%20Safety%20Study%202013%20PART%20I%20Fi
nal%20Report.pdf](http://www.hrtpo.org/uploads/docs/HR%20Regional%20Safety%20Study%202013%20PART%20I%20Final%20Report.pdf).

Hampton Roads Transportation Planning Organization. 2013. *Historical Analysis of Census Transportation Data. Report T13-01*. Retrieved January 2016: [http://www.hrtpo.org/uploads/docs/Historical%20Analysis%20of%20Census%20Transportation%20Da
ta.pdf](http://www.hrtpo.org/uploads/docs/Historical%20Analysis%20of%20Census%20Transportation%20Data.pdf).

Hampton Roads Transportation Planning Organization. 2014a. *The State of Transportation in Hampton Roads 2014. T14-06*. Retrieved November 2015: <http://hrtpo.org/uploads/docs/State%20of%20Transportation%202014%20Final%20Report.pdf>.

Hampton Roads Transportation Planning Organization. 2014b. Hampton Roads Congestion Management Process: System Performance and Mitigation Report. HRTPO Report T14-12. Retrieved July 2015 at <http://www.hrtpo.org/page/technical-reports/>

Hampton Roads Transportation Planning Organization. 2014b. *The State of Transportation in Hampton Roads 2014. T14-06*. Retrieved October 2015: <http://hrtpo.org/uploads/docs/State%20of%20Transportation%202014%20Final%20Report.pdf>.

Hampton Roads Transportation Planning Organization. 2014c. *Positioning Hampton Roads for Freight Infrastructure Funding: MAP-21 and Beyond. HRTPO Report t14-03*. <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2014d. *Prioritizing Highway Projects for Improvement of Evacuation. Report T14-01*. Retrieved December 2015: <http://www.hrtpo.org/page/technical-reports/>.

Hampton Roads Transportation Planning Organization. 2015. *The State of Transportation in Hampton Roads 2015. HRTPO Report T15-12*. Retrieved October 2015 at [http://www.hrtpo.org/page/technical-
reports/](http://www.hrtpo.org/page/technical-reports/).

Hampton Roads Transportation Planning Organization. 2016. Hampton Roads 2040 Long Range Transportation Plan: Project Information Guide. Retrieved February 2017 at <http://hrtpo.org/page/2040-long-range-transportation-plan/>.

Heffernan, K., Engle, E., Richardson, C. 2014. *Virginia Department of Conservation and Recreation, Division of Natural Heritage. Natural Heritage Technical Document 14-11*. Richmond, Virginia.

- Homer, C. G., Dewitz, J. A., Yang, L., Jin, S., Danielson, P., Xian, G., Coulston, J., Herold, N. D., Wickham, J. D., Megown, K. 2015, [Completion of the 2011 National Land Cover Database for the conterminous United States-Representing a decade of land cover change information](#). *Photogrammetric Engineering and Remote Sensing*, v. 81, no. 5, p. 345-354.
- Human Health and Services (HHS). 2013. *2013 Poverty Guidelines for the Contiguous 48 States and District of Columbia*. Retrieved August 2015: <https://aspe.hhs.gov/2013-poverty-guidelines>.
- Intergovernmental Panel on Climate Change. 2014. *Climate Change 2014: Synthesis Report Summary for Policymakers. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Retrieved: http://www.ipcc.ch/pdf/assessment-report/ar5/syr/AR5_SYR_FINAL_SPM.pdf.
- Jacobs. November 2015. *Final Design Noise Technical Report, Interstate 564 Intermodal Connector Project*. Norfolk, VA.
- Karas, David. 2015. Highway to Inequity: The Disparate Impact of the Interstate Highway System on Poor and Minority Communities in American Cities. *New Visions for Public Affairs* Vol. 7:9-21. Retrieved June 2016: https://nvpajournal.files.wordpress.com/2015/05/nvpa_karas.pdf.
- Land, M. F., Geer, P. J., Bonzek, C. F., Austin, H. M. 1995. *Juvenile Finfish and Blue Crab Stock Assessment Program Bottom Trawl Survey Annual Data Summary Report Series*. Virginia Institute of Marine Science Special Science Report 124. Virginia Institute of Marine Science, Gloucester Point, Virginia.
- Living River Restoration Trust. 2011. Retrieved March 2016: <http://www.livingrivertrust.org/>.
- Mann, R. 2016. *Personal communication. Email Correspondence. 2/19/16*.
- Mann, R., Harding, J. M., Southworth, M. J., Wesson, J. A. 2005. *Northern Quahog (Hard Clam) Mercenaria Mercenaria Abundance and Habitat Use In Chesapeake Bay*. *Journal of Shellfish Research* 24.2: 509-16.
- McCandless, C. T., Conn, P., Cooper, P., Cortes, E., Laporte, S. W., Nammack, M. 2014. *Status Review Report: Northwest Atlantic Dusky Shark (Carcharhinus obscurus)*. National Oceanic and Atmospheric Administration – National Marine Fisheries Service.
- McFarland, E.R., & Bruce, T. S. 2006. *The Virginia Coastal Plain Hydrogeologic Framework: US Geological Survey Professional Paper 1731*. (Available online: <http://pubs.water.usgs.gov/pp1731/>.)
- Menge, Christopher, et. al. 2012. *Noise Analysis Technical Report, I-64 Hampton Roads Bridge Tunnel Project*. Hampton and Norfolk, VA: Federal Highway Administration, Virginia Department of Transportation.
- Menge, Christopher W., C. F. Rossano, G. S. Anderson, C. J. Bajdek. 1998. *FHWA Traffic Noise Model, Version 1.0: Technical Manual, Report No. FHWA-PD-96-010 and DOT-VNTSC-FHWA-98-2*. Cambridge, MA: US Department of Transportation, Research and Special Programs Administration, John A. Volpe National Transportation Systems Center, Acoustics Facility.
- National Oceanic and Atmospheric Administration. 1998. *Essential Fish Habitat Description: Monkfish*. Retrieved January 2016: http://archive.nefmc.org/habitat/planamen/original_omnibus/monkfish.

National Oceanic and Atmospheric Administration. 2009. *Species of Concern: River Herring*. Retrieved February 2016: http://www.nmfs.noaa.gov/pr/pdfs/species/riverherring_detailed.pdf.

National Oceanic and Atmospheric Administration. 2010. *Species of Concern: Atlantic Sturgeon*. Retrieved February 2016: http://www.nmfs.noaa.gov/pr/pdfs/species/atlanticsturgeon_detailed.pdf.

National Oceanic and Atmospheric Administration. 2011. *Measures to Protect EFH from Fishing Impacts in the New England and Mid-Atlantic Regions*. Retrieved January 2016:
http://www.habitat.noaa.gov/protection/efh/newInv/EFHI/docs/nemafmc_datasheet.pdf.

National Oceanic and Atmospheric Administration. 2014. *Environmental Sensitivity Index (ESI) Maps*. Available online: <http://response.restoration.noaa.gov/esi>.

National Oceanic and Atmospheric Administration. 2015. *Hampton Roads Nautical Chart*. Retrieved December 2015: <http://www.charts.noaa.gov/OnLineViewer/12245.shtml>.

National Oceanic and Atmospheric Administration. 2015a. *Essential Fish Habitat Data Inventory*. Retrieved October 2015: <http://www.habitat.noaa.gov/protection/efh/newInv/index.html>.

National Oceanic and Atmospheric Administration. 2015b. *Essential Fish Habitat Mapper v3.0*. Retrieved October 2015: <http://www.habitat.noaa.gov/protection/efh/efhmapper/index.html>.

National Oceanic and Atmospheric Administration. 2015c. *Guide to Essential Fish Habitat Designations in the Northeastern United States*. Retrieved October 2015:
<http://www.greateratlantic.fisheries.noaa.gov/hcd/webintro.html>.
<http://www.greateratlantic.fisheries.noaa.gov/hcd/index2a.htm>.

National Oceanic and Atmospheric Administration. 2015d. *Coastal and Marine Ecological Classification Standard (CMECS) Substrate Component (SC)*. Version 4. Geodatabase. March 25, 2015.

National Oceanic and Atmospheric Administration. 2016. *Proactive Conservation Program: Species of Concern*. Retrieved February 2016: <http://www.nmfs.noaa.gov/pr/pdfs/species/conern/>.

National Resources and Conservation Service. 2016. *Web Soil Survey*. Retrieved February 2016:
<http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

Newport News Shipbuilding. 2015. *About Newport News Shipbuilding*. Retrieved September 2015:
<http://nns.huntingtoningalls.com/about/>.

North Atlantic Coast Comprehensive Study: Resilient Adaptation to Increasing Risk USACE Final Report (January 2015).

North Carolina Department of Transportation. 2001. *Guidance for Assessing Indirect and Cumulative Impacts of Transportation Projects in North Carolina, Vol. II: Practitioners Handbook NCDOT/* Retrieved from
[https://connect.ncdot.gov/resources/Environmental/Compliance%20Guides%20and%20Procedures/Vo
lume%2002%20Assessment%20Guidance%20Practitioners%20Handbook.pdf](https://connect.ncdot.gov/resources/Environmental/Compliance%20Guides%20and%20Procedures/Volume%2002%20Assessment%20Guidance%20Practitioners%20Handbook.pdf).

O'Brien, D. (NMFS). 2015. *Personal communication*. 10/30/15.

Orth, R. J., Wilcox, D. J., Whiting, J. R., Kenne, A. K., Nagey, L., Smith, E. R. 2015. *2014 Distribution of Submerged Aquatic Vegetation in Chesapeake Bay and Coastal Bays: Special Scientific Report #158*.

Virginia Institute of Marine Science. Available online at <http://web.vims.edu/bio/sav/sav14/index.html>. Gloucester Point, Virginia.

Port of Virginia. 2013. VPA 2040 Master Plan: Executive Summary. Retrieved November 2015 from <http://www.portofvirginia.com/pdfs/about/vpamasterplan052113.pdf>

Port of Virginia. 2015a. The Port of Virginia Annual Report: 2015. Retrieved January 2016 from <http://www.portofvirginia.com/about/annual-report/>.

Port of Virginia. 2015b. Port Stats. Retrieved January 2016 at <http://www.portofvirginia.com/about/port-stats/>.

Port of Virginia. 2015c. July 30, 2015 letter to VDOT. On file at the Virginia Department of Transportation: Richmond.

Port of Virginia. 2015d. *Drive to Deeper, Wider, Safer – US Army Corps, Port of Virginia Sign Cost-Sharing Agreement*. June 15, 2015. Retrieved: <http://www.portofvirginia.com/category/newsroom>.

Roads to the Future. 2016. *I-64 Widening Projects in Newport News and Hampton*, Accessed on February 5, 2016: http://www.roadstothefuture.com/I64_Widening_NNH.html.

Smiley, A. and R. Dewar. 2010. Road Users. Chapter 2 in *Traffic Engineering Handbook*, 6th ed. W. Kraft, W. Homburger, and J. Pline, eds. Institute of Transportation Engineers: Washington, DC.

US Army. 2012. STRAHNET and STRAHNET Connectors. Retrieved January 2016 from <http://www.sddc.army.mil/sites/TEA/Functions/SpecialAssistant/STRAHNET/Virginia.pdf>.

US Army. 2015a. *Strategic Highway Network*. Transportation Engineering Agency. Retrieved October 2015:
http://www.sddc.army.mil/sites/TEA/Functions/SpecialAssistant/STRAHNET/Forms/AllItems.aspx?PageId=TRUE&p_SortBehavior=0&p_FileLeafRef=Montana%2epdf&p_ID=28&PageFirstRow=31&&View={C80B7BA4-4558-4209-812E-AA6DAF72BD27}.

US Army. 2015b. *Highways for National Defense*. Transportation Engineering Agency. Retrieved October 2015:
<http://www.sddc.army.mil/sites/TEA/Functions/SpecialAssistant/Pages/HighwaysNationalDefense.aspx>

US Army Corps of Engineers. 2002. *Regulatory Guidance Letter: Guidance on Compensatory Mitigation Projects for Aquatic Resources Impacts Under the Corps Regulatory Program Pursuant to Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899*. Retrieved February 2016:
<http://www.usace.army.mil/Portals/2/docs/civilworks/RGLS/RGL2-02.pdf>.

US Army Corps of Engineers. 2008a. *Memorandum on Compensatory Mitigation Rule*. Retrieved February 2016:
http://www.deq.virginia.gov/Portals/0/DEQ/Water/WetlandsStreams/2008_03_28_wetlands_Mit_rule_QA.pdf.

US Army Corps of Engineers. 2008b. *Virginia Off-Site Mitigation Location Guidelines*. Retrieved February 2016:
http://www.deq.virginia.gov/Portals/0/DEQ/Water/WetlandsStreams/VA_Offsite_Mit_Guidelines.

US Army Corps of Engineers. 2008c. *Compensatory Mitigation for Losses of Aquatic Resources; Final Rule. 33 C.F.R. Parts 325 & 332; 40 C.F.R. Part 230.*

US Army Corps of Engineers. 2012. *Chesapeake Bay Oyster Recovery: Native Oyster Restoration Master Plan, Maryland and Virginia.* Publication. Baltimore and Norfolk Districts: US Army Corps of Engineers.

US Army Corps of Engineers. 2015. *Review Plan: Norfolk Harbor and Channels Deepening Project, Hampton Roads, VA General Reevaluation Report.* Retrieved March 2016:
<http://www.nad.usace.army.mil/Portals/40/docs/CXs/Norfolk%20Harb%20RP%208%20Jul%2015.pdf>.

US Army Corps of Engineers. 2016. *Regulatory In-lieu Fee and Bank Information Tracking System (RIBITS).* Retrieved March 2016: https://ribits.usace.army.mil/ribits_apex/f?p=107:2.

US Army Corps of Engineers, Virginia Department of Environmental Quality. 2004. *Norfolk District Corps and Virginia Department of Environmental Quality Recommendations for Wetland Compensatory Mitigation: Including Site Design, Permit Conditions, Performance Criteria, and Monitoring Criteria.*
<http://www.deq.virginia.gov/Portals/0/DEQ/Water/WetlandsStreams/mitigationrecommendabbreju2004.pdf>

US Bureau of Economic Analysis. 2014. *Virginia Beach-Norfolk-Newport News VA-NC Metropolitan Statistical Area CA25N Total Full-Time and Part-Time Employment by NAICS Industry 1.* Retrieved January 2016:
<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1&isuri=1&acrdn=7#reqid=70&step=1&isuri=1>.

US Census Bureau. 2013. *Total Population American Community Survey 5-year Estimate 2008-2013.* American Factfinder. Retrieved September 2015 from
<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.

US Census Bureau. 2015a. *Table CB1300CZ21: Zip Code Business Statistics: Total for Zip Code: 2013.* Retrieved October 2015: <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.

US Census Bureau. 2015b. *Table CB1300CZ11: Zip Code Business Statistics: Total for Zip Code.* Retrieved October 2015: <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.

US Census Bureau. 2015c. *Table CB1300A11: County Business Patterns: 2013: Cities and State Annual Business Payroll by NAICS Code.* Retrieved October 2015:
<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.

US-China Joint Announcement on Climate Change. 2014. White House, Office of the Press Secretary, November 11, 2014, on the White House website. Accessed on June 5, 2015:
<https://www.whitehouse.gov/the-press-office/2014/11/11/us-china-joint-announcement-climate-change>.

US Department of Agriculture Natural Resources Conservation Service Caribbean Area. Accessed February 2016: http://www.nrcs.usda.gov/wps/portal/nrcs/detail/pr/soils/?cid=nrcs141p2_037285

US Department of Transportation. 2010. *Highway Evacuations in Selected Metropolitan Areas: Assessment of Impediments.* Retrieved September 2015 from
http://ops.fhwa.dot.gov/eto_tim_pse/reports/2010_cong_evac_study/index.htm.

US Energy Information Administration. 2013. *State Energy Data System (SEDS): 1960-2012 (Complete)*. Washington, DC: US Department of Energy. Retrieved: <http://205.254.135.7/state/?sid=VA>.

US Energy Information Administration. 2015. *Virginia: Profile Analysis*. Washington, DC: US Department of Energy. Retrieved: <http://205.254.135.7/state/analysis.cfm?sid=VA>.

US Environmental Protection Agency. 2015a. *National Sole Source Aquifer GIS Layer*. Retrieved January 2016: <http://catalog.data.gov/dataset/national-sole-source-aquifer-gis-layer>. Last updated 11/20/15.

US Environmental Protection Agency. 2015b. *Overview of the Drinking Water Sole Source Aquifer Program*. Retrieved January 2016: http://www.epa.gov/dwssa/overview-drinking-water-sole-source-aquifer-program#What_Is. Last updated 10/22/15.

US Environmental Protection Agency. 2016. *Background on Drinking Water Standards in the Safe Drinking Water Act (SDWA)* Retrieved January 2016: <http://www.epa.gov/dwstandardsregulations/background-drinking-water-standards-safe-drinking-water-act-sdwa>.

US Fish & Wildlife Service. 2013. *Endangered Species Consultations & Frequently Asked Questions*. Retrieved February 2016: <http://www.fws.gov/endangered/what-we-do/faqs.html>.

US Fish & Wildlife Service. 2016. *American shad (Alosa sapidissima)*. Retrieved February 2016: <http://www.fws.gov/chesapeakebay/shad.htm>.

US Geological Survey. 2013. *Land Subsidence and Relative Sea-Level Rise in the Southern Chesapeake Bay Region*. Retrieved February 2017: <https://pubs.usgs.gov/circ/1392/pdf/circ1392.pdf>

US Geological Survey. 2016. *National Water Information System: Mapper*. Retrieved February 2016: <http://maps.waterdata.usgs.gov/mapper/index.html?state=va>.

US Navy. 2012. Letter to VDOT. May 11, 2012. On File at the Virginia Department of Transportation: Richmond.

US Navy. 2015. Navy Releases New Economic Impact Report for Hampton Roads Area. February 3, 2015. Navy Region Mid-Atlantic Public Affairs Office. Retrieved December 2015 from http://www.cnrc.navy.mil/regions/cnrma/news/press_releases/2015/15-02.html.

Virginia Department of Agriculture and Consumer Services. Retrieved February 2016: <http://www.vdacs.virginia.gov/>

Virginia Department of Conservation and Recreation. 2010. *About Invasive Species in Virginia*. Retrieved February 2016: <http://www.dcr.virginia.gov/natural-heritage/vaisc/about-invasives.htm>.

Virginia Department of Conservation and Recreation. 2016. *Land Conservation*. Retrieved February 2016: <http://www.dcr.virginia.gov/land-conservation/tools02c>.

Virginia Department of Emergency Management. 2014. In-Season Review of Hurricane Preparedness for Hampton Roads: Report to Governor Terence R. McAuliffe. Retrieved September 2015 from http://www.vaemergency.gov/webfm_send/1022/GovernorsInSeasonReview-3SEPT2014Master.pdf.

Virginia Department of Emergency Management. 2015. *Virginia Hurricane Preparedness Guide*. Retrieved: http://www.vaemergency.gov/sites/default/files/HurricaneGuide15_ALTmap.pdf.

Virginia Department of Environmental Quality. 1992. *Virginia Erosion and Sediment Control Handbook, Third Edition*. Retrieved February 2016: <http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/Publications/ESCHandbook.aspx>.

Virginia Department of Environmental Quality. 2005. *Wellhead Protection Plan – Commonwealth of Virginia*. (Available online: <http://www.deq.virginia.gov/Portals/0/DEQ/Water/GroundwaterProtectionSteeringCommittee/wellheadplan.pdf>).

Virginia Department of Environmental Quality. 2016a. *Groundwater Withdrawal Permitting Program*. Retrieved January 2016: <http://www.deq.virginia.gov/Programs/Water/WaterSupplyWaterQuantity/GroundwaterPermitting.aspx>.

Virginia Department of Environmental Quality. 2016b. *What's in my Backyard Online Mapper*. Retrieved January 2016: http://www.deq.virginia.gov/mapper_ext/default.aspx?service=public/wimby.

Virginia Department of Environmental Quality. 2016c. *Personal communication. Email from Todd Beach (VDEQ) to Michael Keeler (Stantec)*. 1/27/16.

Virginia Department of Environmental Quality. 2016d. *What is the Virginia Coastal Zone Management Program?* Retrieved February 2016: <http://www.deq.state.va.us/Programs/CoastalZoneManagement/DescriptionBoundary.aspx>.

Virginia Department of Environmental Quality. 2016e. *Listed Federal Agency Activities Requiring Consistency Determinations*. Retrieved February 2016: <http://www.deq.virginia.gov/Programs/EnvironmentalImpactReview/FederalConsistencyReviews.aspx#activities>.

Virginia Department of Environmental Quality. 2016f. *Chesapeake Bay Preservation Act*. Retrieved February 2016: <http://www.deq.virginia.gov/Programs/Water/ChesapeakeBay/ChesapeakeBayPreservationAct.aspx>.

Virginia Department of Environmental Quality. 2016g. *Mitigation*. Retrieved March 2016: <http://www.deq.virginia.gov/Programs/Water/WetlandsStreams/Mitigation.aspx>.

Virginia Department of Forestry. Retrieved February 2016: <http://www.dof.virginia.gov/stateforest/list/index.htm>

Virginia Department of Game and Inland Fisheries. 2015. *Virginia's 2015 Wildlife Action Plan*. Henrico, Virginia.

Virginia Department of Game and Inland Fisheries. 2016. *Environmental Services Section*. Retrieved February 2016: <http://www.dgif.virginia.gov/environmental-programs/environmental-services-section.asp>.

Virginia Department of Game and Inland Fisheries. 2016. *Fish Passage Program*. Retrieved March 2016: <http://www.dgif.virginia.gov/fishing/fish-passage/>.

Virginia Department of Game and Inland Fisheries. 2016a. *The Virginia Fish and Wildlife Information Service (VaFWIS) – online species information*.

Virginia Department of Motor Vehicles. 2013. *Crash Facts*. Retrieved October 2015 from http://www.dmv.state.va.us/safety/crash_data/crash_facts/crash_facts_13.pdf.

Virginia Department of Rail and Public Transportation, Hampton Roads Transit, and Williamsburg Area Transit Authority. 2011. *Hampton Roads Regional Transit Vision Plan: Final Report*. Retrieved December 2015 from http://www.drpt.virginia.gov/media/1332/final_report_03-17-11.pdf.

Virginia Department of Rail and Public Transportation. 2015. *Hampton Roads Transit Recommendations Letter November 16, 2015*.

Virginia Department of Transportation. 2001. *Hampton Roads Crossing Study Final Environmental Impact Study*. Retrieved July 2016: <http://www.virginiadot.org/projects/resources/studyhro-crossing-feis.pdf>.

Virginia Department of Transportation. 2003. *Hampton Roads Crossing Study Re-evaluation*.

Virginia Department of Transportation. 2013. *Revised Environmental Assessment Reevaluation of Hampton Roads Crossing Study FEIS: Candidate Build Alternative CBA 9 - Segments 1 & 3*.

Virginia Department of Transportation. 2006. *Bicycle and Pedestrian Accommodation Decision Process for Construction Projects*. Retrieved: <http://www.virginiadot.org/programs/resources/BikePedDecisionProcessV5.pdf>.

Virginia Department of Transportation. 2007. *Road and Bridge Specifications*. Retrieved: http://www.virginiadot.org/business/locdes/2008_road_and_bridge_standards.asp.

Virginia Department of Transportation. 2007. *Road Design Manual*. Retrieved: <http://www.virginiadot.org/business/locdes/rdmanual-index.asp>.

Virginia Department of Transportation. 2008. *Road and Bridge Standards*. Retrieved: <http://www.virginiadot.org/business/resources/const/2007SpecBook.pdf>.

Virginia Department of Transportation. 2010. Retrieved: *Environmental Assessment Reevaluation of Hampton Roads Crossing Study FEIS: Candidate Build Alternative CBA 9 - Segments 1 & 3*. http://www.vdot.virginia.gov/programs/resources/2VDOT_BikeGuide_Final_100719.pdf.

Virginia Department of Transportation. 2011. *Environmental Assessment Reevaluation of Hampton Roads Crossing Study FEIS: Candidate Build Alternative CBA 9 - Segments 1 & 3*. Retrieved July 2016: http://www.virginiadot.org/projects/resources/hampton_roads/Draft_HRCS_EA_11-30-11.pdf.

Virginia Department of Transportation. 2012. *I-64 Hampton Roads Bridge Tunnel Natural Resources Technical Report*.

Virginia Department of Transportation. 2012. *Hampton Roads Bridge-Tunnel Draft Environmental Impact Statement*. Retrieved July 2016:

http://www.virginia.gov/projects/resources/hampton_roads/64_deis/l-64_Hampton_Roads_Bridge-Tunnel_Draft_EIS_December2012.pdf.

Virginia Department of Transportation (VDOT). 2012. Summary of Crash Data: Interstate, Primary and Secondary System Under Jurisdiction of Virginia Department of Transportation. On file at the Virginia Department of Transportation: Richmond.

Virginia Department of Transportation (VDOT). 2013a. Virginia Hurricane Evacuation Guide. Retrieved September 2015 from <https://www.uscg.mil/d5/docs/HurricaneEvacuation%20Guide%202013.pdf>

Virginia Department of Transportation (VDOT). 2013b. 2013 Summary of Crash Data: Interstate, Primary and Secondary System under Jurisdiction of Virginia Department of Transportation. On file at the Virginia Department of Transportation: Richmond.

Virginia Department of Transportation (VDOT). 2014. Summary of Crash Data: Interstate, Primary and Secondary System Under Jurisdiction of Virginia Department of Transportation. On file at the Virginia Department of Transportation: Richmond.

Virginia Department of Transportation. 2015a. Bicycling and Walking in Virginia. Retrieved November 2015 from <http://www.virginia.gov/programs/bk-info.asp>.

Virginia Department of Transportation. 2015. *CEDAR GIS Database*.

Virginia Department of Transportation. 2015. *Highway Traffic Noise Impact Analysis Guidance Manual (Version 7)*. <http://www.virginia.gov/projects/pr-noise-walls-about.asp>.

Virginia Department of Transportation. 2015. *Virginia Hurricane Preparedness Guide*. http://www.vaemergency.gov/sites/default/files/HurricaneGuide15_ALTmap.pdf.

Virginia Department of Transportation. 2016a. Hampton Roads Bridge Tunnel (I-64) Annual Traffic Stoppage Report – 2015.

Virginia Department of Transportation. 2016. *Project-Level Air Quality Resource Document*; VDOT Environmental Division.

Virginia Department of Transportation. 2016b. *HRCS Air Quality Technical Report*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.

Virginia Department of Transportation. 2016c. *HRCS Alternatives Technical Report*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.

Virginia Department of Transportation. 2016d. *HRCS Archaeological Assessment*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.

Virginia Department of Transportation. 2016e. *HRCS Architectural Survey: Management Summary*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.

Virginia Department of Transportation. 2016f. *HRCS Hazardous Materials Technical Memorandum*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.

Virginia Department of Transportation. 2016g. *HRCS Indirect and Cumulative Effects Technical Report*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.

- Virginia Department of Transportation. 2016h. *HRCS Natural Resources Technical Report*.
http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.
- Virginia Department of Transportation. 2016i. *HRCS Noise Analysis Technical Report*.
http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.
- Virginia Department of Transportation. 2016j. *HRCS Right-of-Way and Relocation Technical Memorandum*. http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.
- Virginia Department of Transportation. 2016k. *HRCS Socioeconomic and Land Use Technical Report*.
http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.
- Virginia Department of Transportation. 2016l. *HRCS Traffic and Transportation Technical Report*.
http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.
- Virginia Department of Transportation. 2016m. *HRCS Visual Resources Technical Memorandum*.
http://www.hamptonroadscrossingstudy.org/learn_more/documents.asp.
- Virginia Department of Transportation. 2016n. *Statewide Bicycle and Pedestrian Program*.
<http://www.vdot.virginia.gov/programs/bk-laws.asp#Where>.
- Virginia Economic Development Partnership. 2015. Community Profile: Hampton Roads. Retrieved July 2015 from
<http://virginiascan.yesvirginia.org/communityprofiles/MapSearch.aspx?type=VIRTUALVIRGINIAREGION>
- Virginia Employment Commission, 2015. *Local Area Unemployment Statistics*. In *Virginia Community Profile: Chesapeake, Hampton, Newport News, Norfolk, Portsmouth, Suffolk*. Retrieved October 2015:
<http://data.virginialmi.com/gsipub/index.asp?docid=342>.
- Virginia Institute of Marine Science. 2014. *SAV Monitoring Program – Interactive Map*. Retrieved February 2016: <http://web.vims.edu/bio/sav/maps.html>.
- Virginia Institute of Marine Science. 2016. *SAV in Chesapeake Bay - About SAV*. Retrieved February 2016: <http://web.vims.edu/bio/sav/AboutSAV.html>.
- Virginia Institute of Marine Science. 2016. VDOT Hampton Roads Crossing Study SEIS: Virginia Wetland Condition Assessment Tool (WetCAT) Analysis. On file at the Virginia Department of Transportation Central Office, 1401 E. Broad Street, Richmond, Virginia.
- Virginia Marine Resource Commission. 2000. *Chapter 377 Submerged Aquatic Vegetation (SAV) Transplantation Guidelines*. Retrieved February 2016: <http://mrc.virginia.gov/regulations/fr337.shtm>.
- Virginia Places. 2016. *Craney Island Dredged Material Management Area*. Retrieved February 2016: <http://www.virginiaplaces.org/transportation/cidmma.html>.
- Watts, B. D., & Paxton, B. J. 2014. *Status and Distribution of Colonial Waterbirds in Coastal Virginia: 2013 Breeding Season*. CCBTR-14-03. Williamsburg, VA: Center for Conservation Biology, College of William and Mary/Virginia Commonwealth University.
- Wesson, J. A. 1995. *Fishery Independent Stock Assessment of Virginia's Hard Clam Population of the Chesapeake Bay*. Rep. Newport News: Virginia Marine Resources Commission.

Woods, A. J., Omernik, J. M., Brown, D. D. 1999. *Level III and IV Ecoregions of Delaware, Maryland, Pennsylvania, Virginia, and West Virginia*. US Environmental Protection Agency National Health and Environmental Effects Research Laboratory with Dynamic Corporation.