

Supporting Documents and Tools

ANCHOR will incorporate and build on the findings of the following plans, feasibility studies and tools to maximize the value of existing studies and investments. Collectively, these resources provide information on transportation access, ferry operations, coastal resilience, climate impacts, infrastructure vulnerability, evacuation and emergency response considerations, and long-term adaptation strategies.

PLANS AND STUDIES

- » [Hyde County CAMA Core Land Use Plan \(2008\)](#)
- » [Hyde County Comprehensive Transportation Plan \(2012\)](#)
- » [North Carolina Sea Level Rise Impact Study \(2012\)](#)
- » [Hurricane Matthew Resilient Redevelopment Plan \(2017\)](#)
- » [NC 12 Ocracoke Island Hot Spot Study R-3116A \(2016, Assessment 2020\)](#)
- » [Economic Contribution of North Carolina's Ferry System Study \(2020\)](#)
- » [NC Climate Science Report \(2020\)](#)
- » [Hatteras Basin Expansion Study \(2021\)](#)
- » [North Eastern Regional Hazard Mitigation Plan \(2021\)](#)
- » [Hatteras to Hatteras Inlet Channel Realignment \(2022\)](#)
- » [RP2021-19 Passenger Ferry Feasibility Study \(2023\)](#)
- » [NCDOT STIP Project BR-0170 Ocracoke Ramp Improvements \(2023\)](#)
- » [Natural Hazards Vulnerability Assessment of NCDOT Ferry Division Assets \(2024\)](#)
- » [NCDOT Resilience Improvement Plan \(2024\)](#)
- » [Ferry Division Vessel Replacement Study \(2024\)](#)
- » [Enhancing Coastal Resilience through Participatory Transformation of Barrier Islands \(2025\)](#)
- » [South Dock Feasibility Study \(2025\)](#)
- » [Evaluating the Effects of Adaptation Strategies on Ocracoke Island \(2025\)](#)
- » [Quantifying Future Precipitation Extremes Within North Carolina for Resilient Design \(ongoing\)](#)
- » [Comprehensive Transportation Access and Resilience Study \(pending obligation\)](#)
- » [Swan Quarter and Cedar Island Passenger Ferry Feasibility Study \(pending obligation\)](#)



TOOLS

- » [NCDOT Project ATLAS \(Advancing Transportation through Linkages, Automation, and Screening\)](#)
- » [NCDOT Transportation Surge Analysis Prediction Program \(T-SAPP\)](#)
- » [NCDOT Resilience Analysis Framework for Transportation \(RAFT\)](#)
- » [NCDOT Roadway Inundation Tool \(RIT\)](#)
- » [Coastal Monitoring Program](#)
- » [Coastal Roadway Inundations Simulator \(CRIS\)](#)
- » [NOAA's Coastal Flood Exposure Mapper](#)
- » [NASA DEVELOP Study](#)
- » [Highways in the Coastal Environmental, Third Edition \(Hydraulic Engineering Circular No.25\)](#)

SEA LEVEL RISE DATA

- » [Probabilistic Sea Rise Study](#)
- » [NOAA's 2022 Sea Level Rise Technical Report](#)
- » [NC Climate Science Report \(NCCSR\)](#)
- » [NPS Sea Level Rise Tool](#)
- » [NOAA Sea Level Rise Viewer](#)
- » [NOAA Tides & Currents Tool](#)
- » [NASA Interagency Sea Level Rise Scenario Tool](#)
- » [NC DEQ Coastal Resources Commission Sea Level Rise Assessment Report](#)
- » [NC Emergency Management's Sea Level Rise Impact Study \(SLRIS\)](#)

