Beyond Beach Nourishment: Leveraging Federal Partnerships, Sediment Resources, and Local Investment to Sustain Oak Island's Coastline

North Carolina Beach, Inlet, and Waterway Association (NCBIWA) Fall Conference

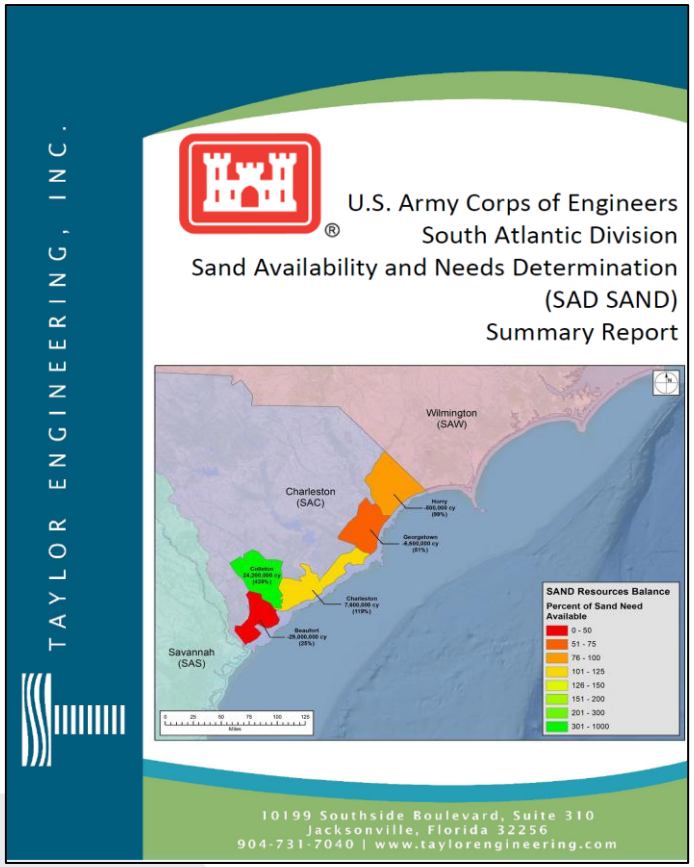
Doug Piatkowski, Marine Biologist, Sand Resources Branch

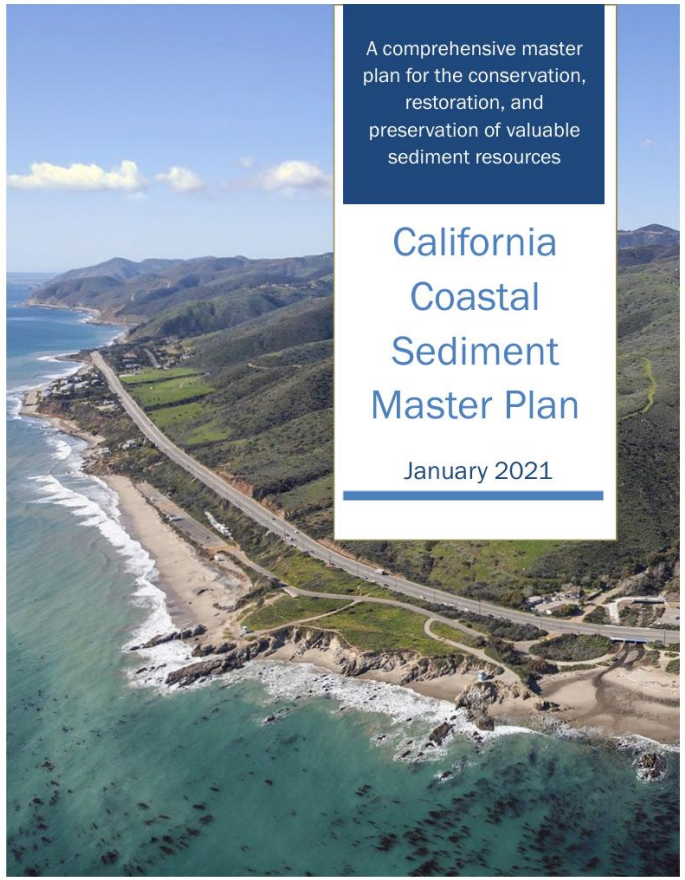
October 22, 2026

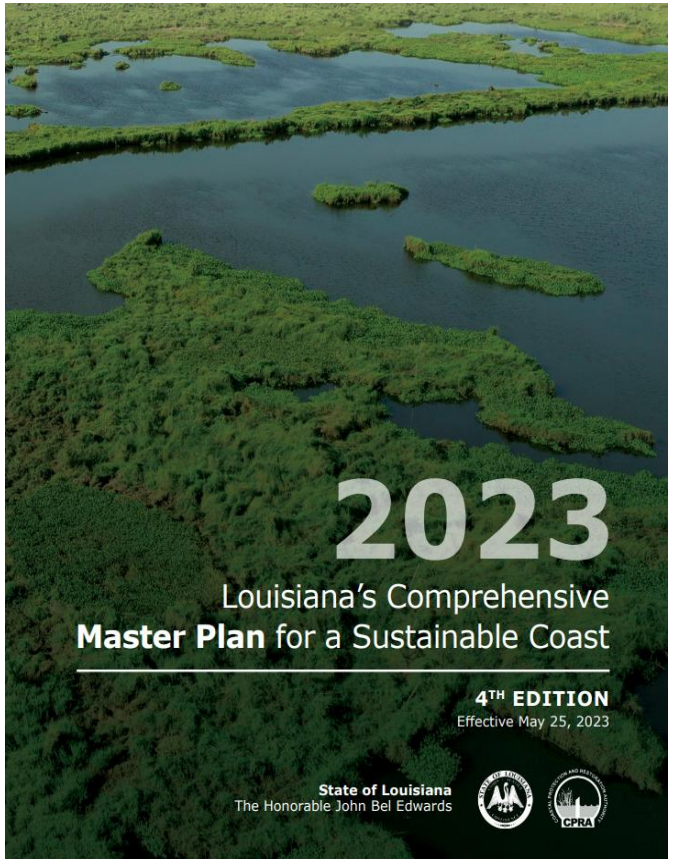
Where is the Sand? NC's Growing Supply Challenge



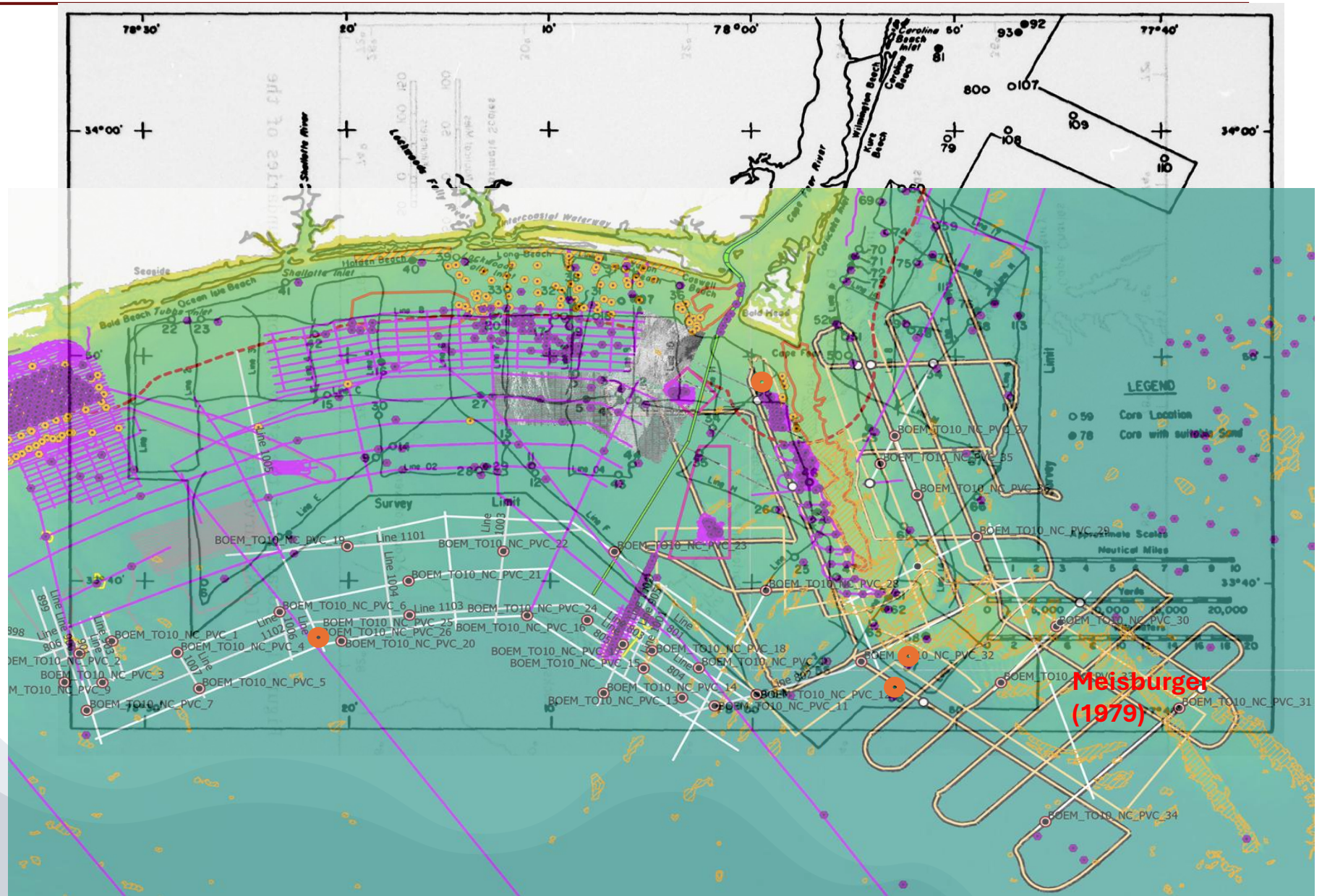
Shoring up America's Beaches: Sand is Land





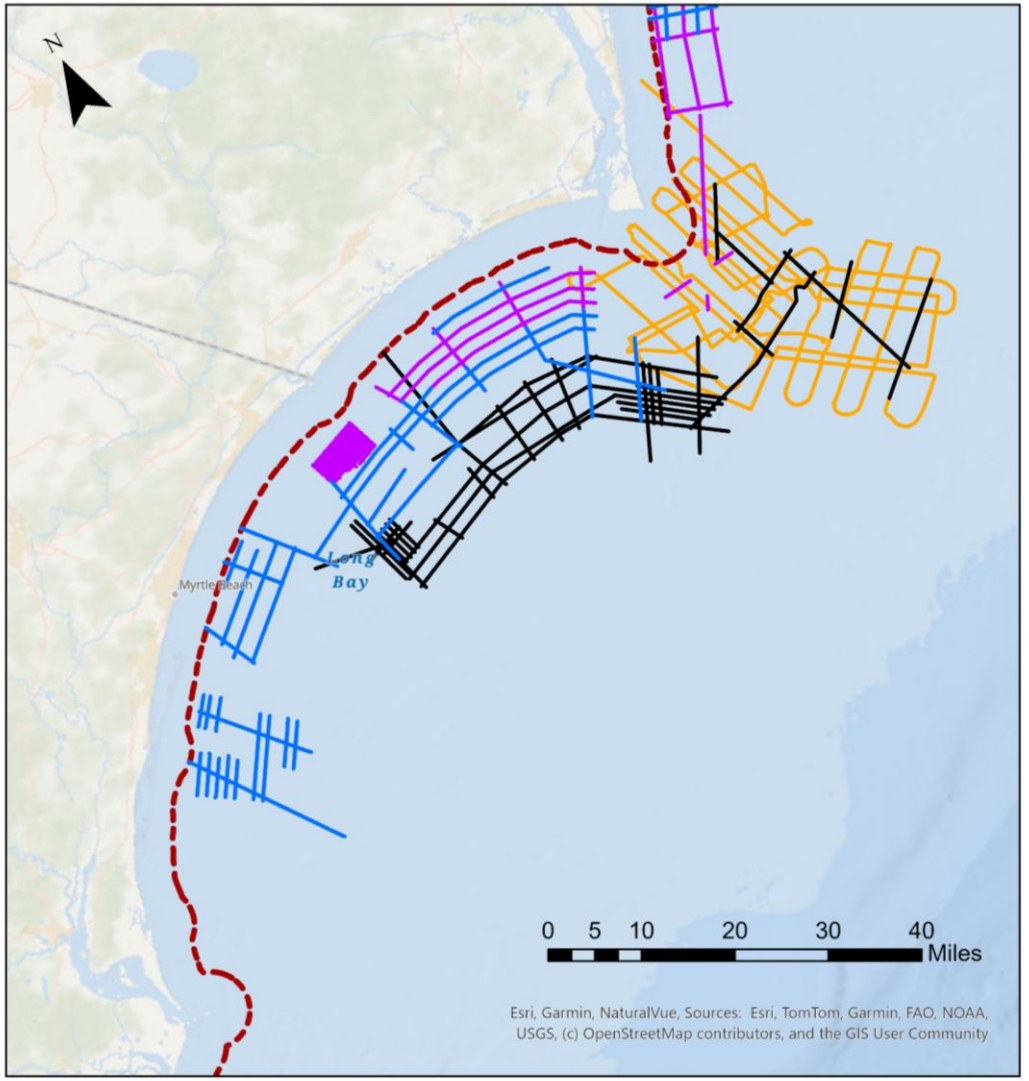


Where is the Sand? Over 50 Years of Data Acquisition

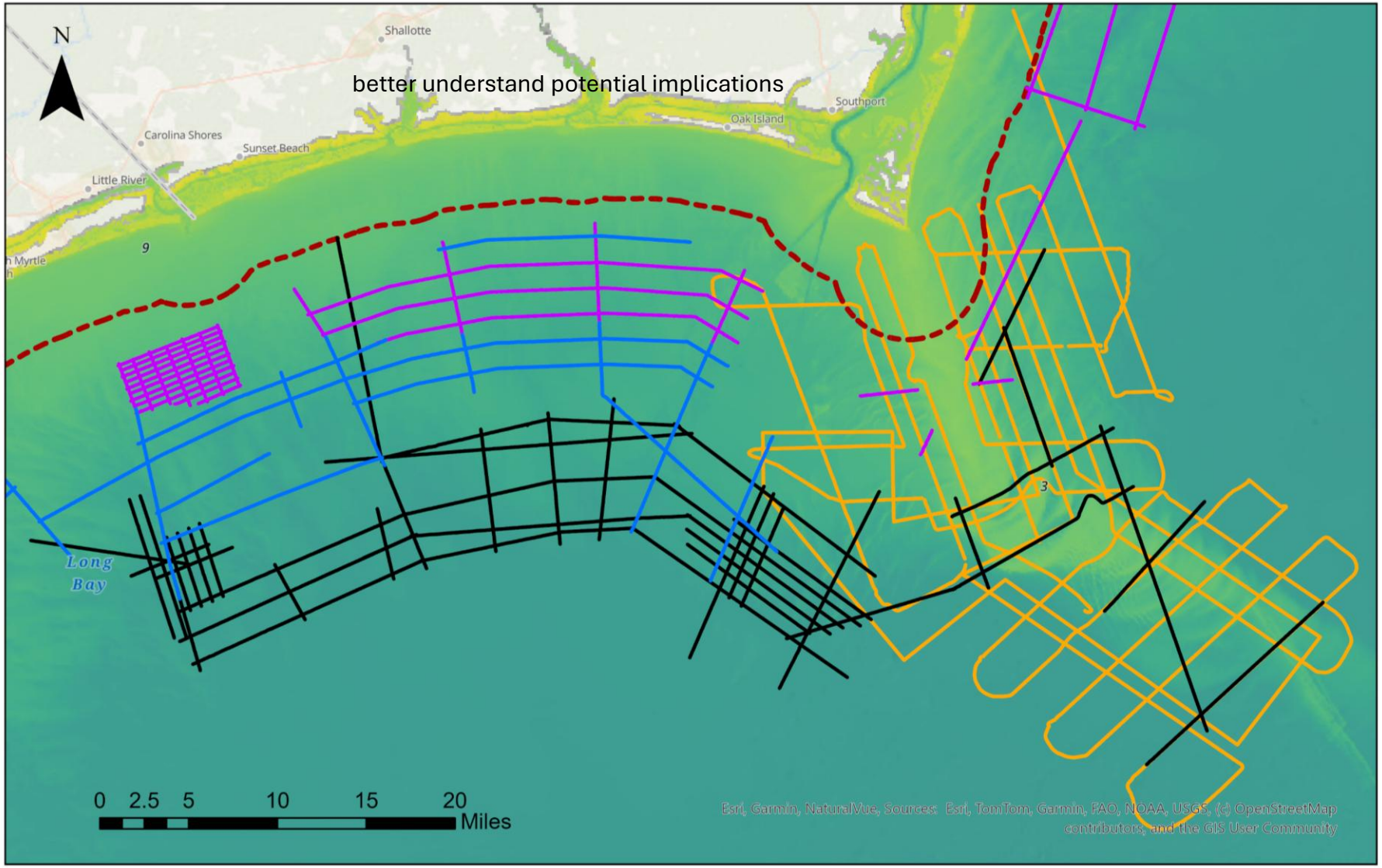


Where is the Sand? Long Bay Data Acquisition (2015-2026)

- High Sand Need, Low or Complex Supply Region
- Long-Term Strategic Investments
  - 2015 Atlantic Sand Assessment Project (—)
  - 2020 Frying Pan Shoals (FPS) Technical and Stakeholder Workshops
  - 2022 FPS Cooperative Agreement (—)
  - 2022 IDIQ Task Order 1 – Geophysical & Geological Mapping (—)
  - 2024 Long Bay Cooperative Agreement
  - 2024 IDIQ Task Order 10 – Geophysical & Geological Mapping (—)
- Sand identification by Town of Oak Island



What did TO 10 Find? Data Release in Spring 2027



- Appraised resources identified in TO1 (including OSOKI)
- Evaluated if western and eastern resources were related
- Collected FPS cores for UNCW Cooperative Agreement

The Value of SAND



COMMUNITY
ECONOMY
ENVIRONMENT

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