

Maintaining Military Missions: Coordinated Approach to Sea Level Rise Infrastructure Impacts

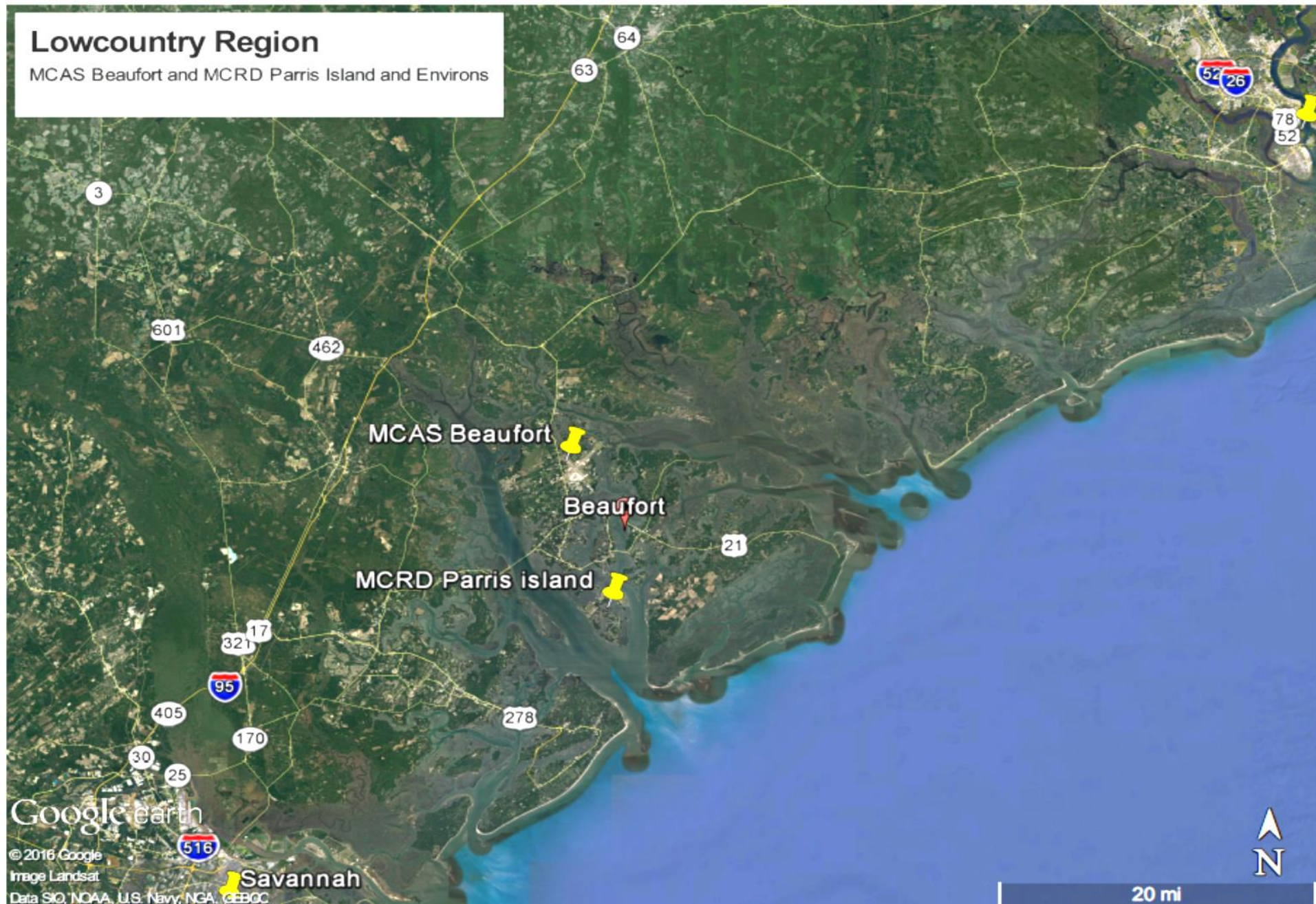


CAROLINAS CLIMATE RESILIENCE CONFERENCE

SEPTEMBER 12, 2016

Lowcountry Region

MCAS Beaufort and MCRD Parris Island and Environs



SLR: A New Component of a VERY Long-Running Multi-Party Planning Relationship

First Lowcountry Joint Land Use Study (JLUS) —Air Station Only

September 2004

Objectives:

- To protect health and safety of residents living or working near military installations;
- To preserve long-term land use compatibility between installation and surrounding community;
- To integrate local jurisdictions' comprehensive plans and implementing ordinances and codes with those land use compatibility recommendations and consistently with each other;
- To encourage continuation of cooperative spirit and good relations between local base command and local community officials.

Beaufort County, City of Beaufort, Town of Port Royal, Lowcountry Council of Governments, MCAS Beaufort Worked Together to Implement Recommendations

Key Recommendations

- Continue and improve the existing community relations and education program
- Enhance the AICUZ real estate disclosure process
- Maintain a user-friendly and regularly-updated website
- Maintain the dissemination of information through media relations.
- Continue the present co-operative course of action to acquire strategic properties within AICUZ footprint, or their development rights
- Provide frequent and updated information, including the schedules of aircraft training and other operations, to local media and also post on relevant web sites.
- Continue to develop and implement noise abatement measures for MCAS Beaufort operations.
- Develop a coordinated “AICUZ Overlay” district and incorporate it within the ordinances and related maps of Beaufort County, City of Beaufort and Town of Port Royal
- Ensure that existing land uses and structures can continue as “legal nonconforming uses.” Consistent standards at all three jurisdictions.
- Develop a Transfer of Development Rights (TDR) program to partially compensate small property owners for the loss of development rights as a result of rezoning.

Second Lowcountry JLUS – MCRD Parris Island and MCAS Beaufort

March 2015

Stated Purpose:

- To promote community development that is compatible with the military training, testing, and operational missions; and
- To seek ways to reduce operational impacts on adjacent lands.

JLUS Planning Process:

- Intended to increase public awareness of the military missions and contribution to the regional economy.
- Intended to protect and preserve military readiness and defense capabilities while supporting continued community economic development.

2015 JLUS Implementation Recommendations for MCAS Beaufort and MCRD Parris Island

1. Outreach and Relationships

Consultant preparing long-term and continuing public involvement strategy that covers key implementation recommendations of JLUS Implementation Plan. The Consultant will present strategy to JLUS Implementation Committee (aka Northern Beaufort Implementation Committee) for input and approval (9/23).

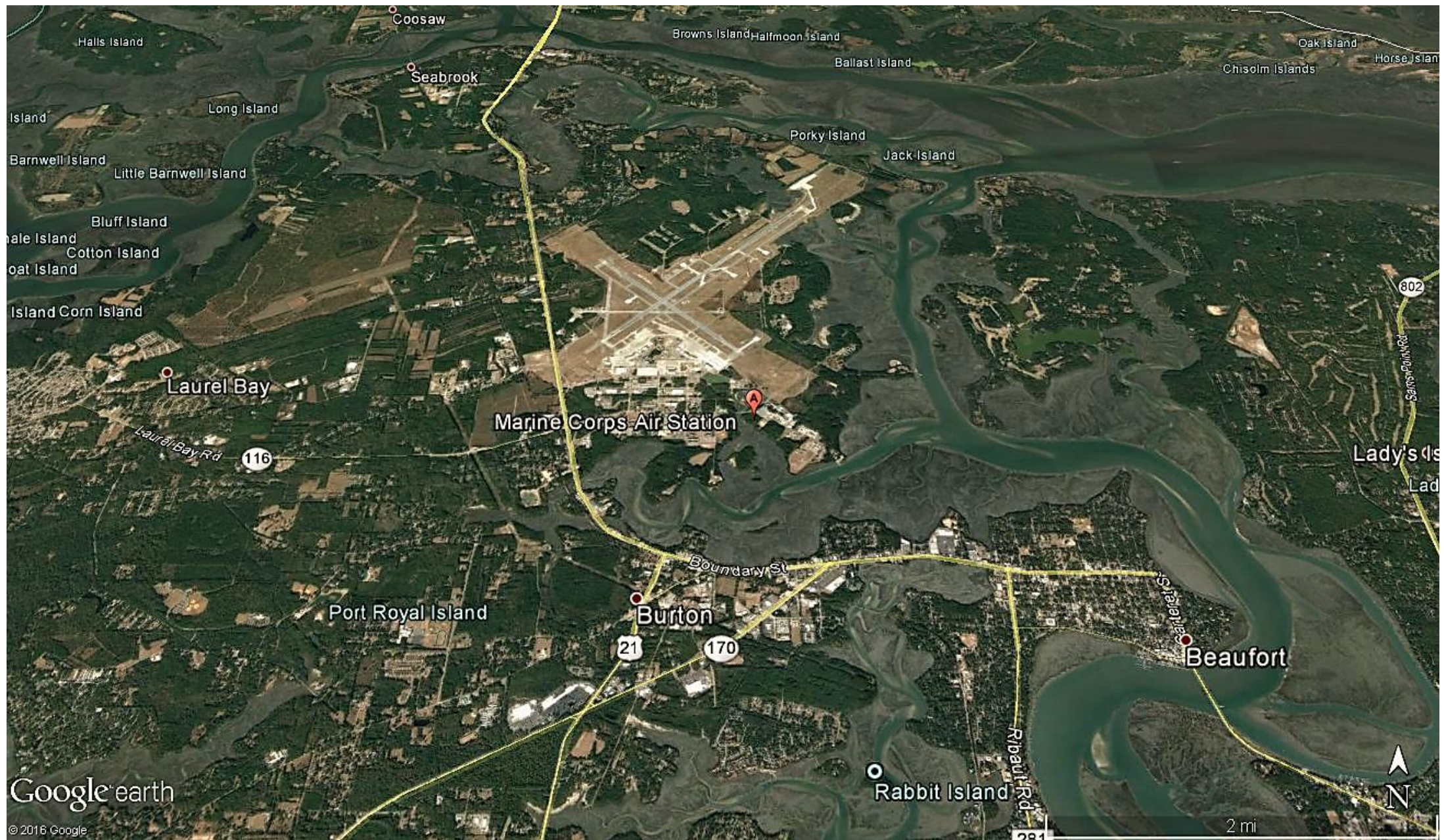
2. Planning and Land Use

Consultant helping determine areas where new growth will not be permitted. Areas are currently designated, but economic and other changes mean that growth boundaries need to be re-assessed and revised. Consultant will draft an agreement to accept new boundaries, to be signed by multi-jurisdictional Northern Beaufort Implementation Committee (which is also the JLUS Policy Committee and will become the JLUS Implementation Committee).

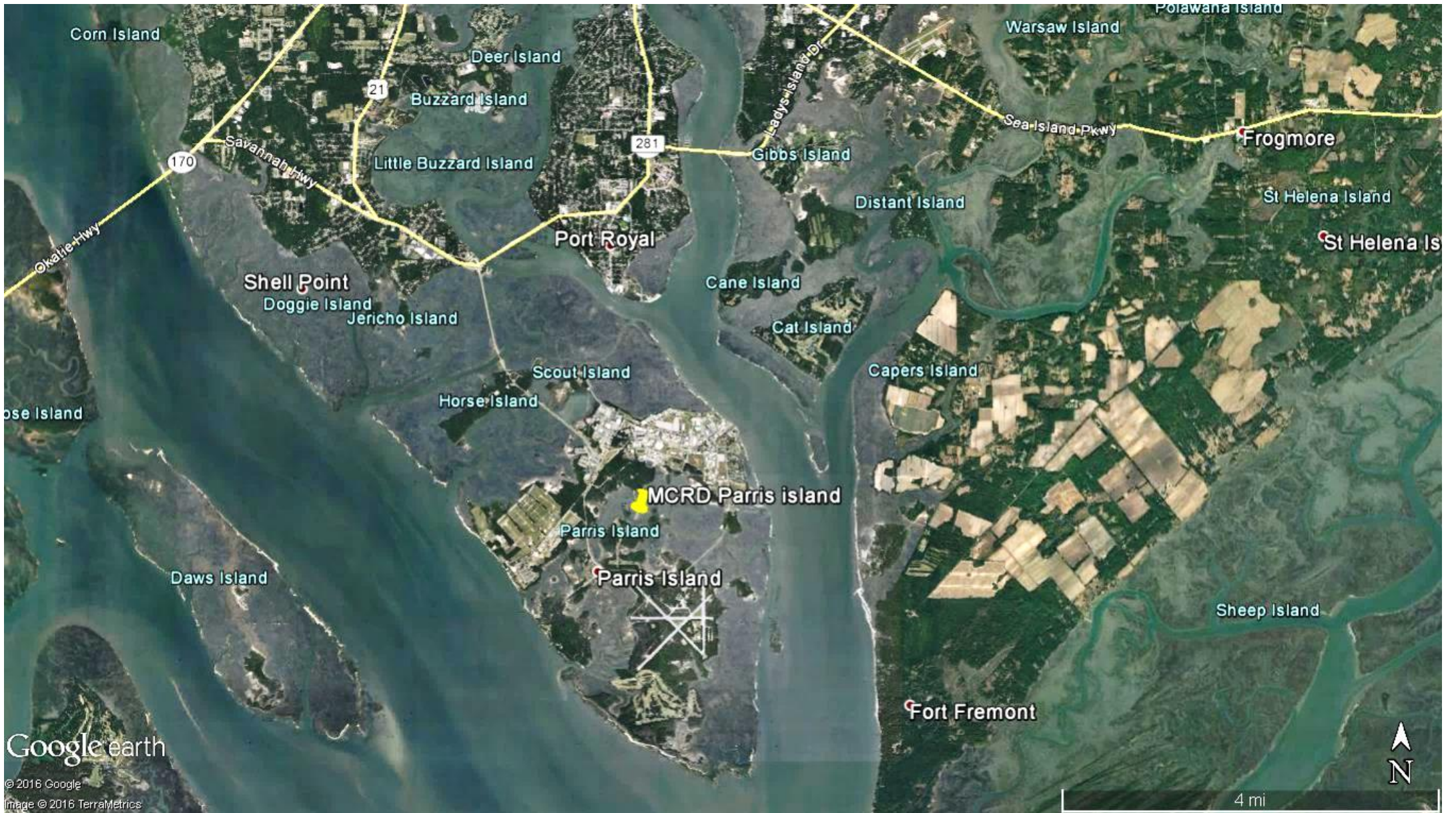
3. Sea Level Rise (SLR)

A preliminary project focusing on identifying potential infrastructure problems that will exist as SLR occurs and determining how those effects can be minimized or mitigated to ensure needs of both local communities and military facilities are met. In Beaufort area, water and sewer services are provided to the military facilities by the same regional provider that serves the community; local roads, highways and bridges provide the only access to MCAS Beaufort and MCRD Parris Island.

MCAS Beaufort



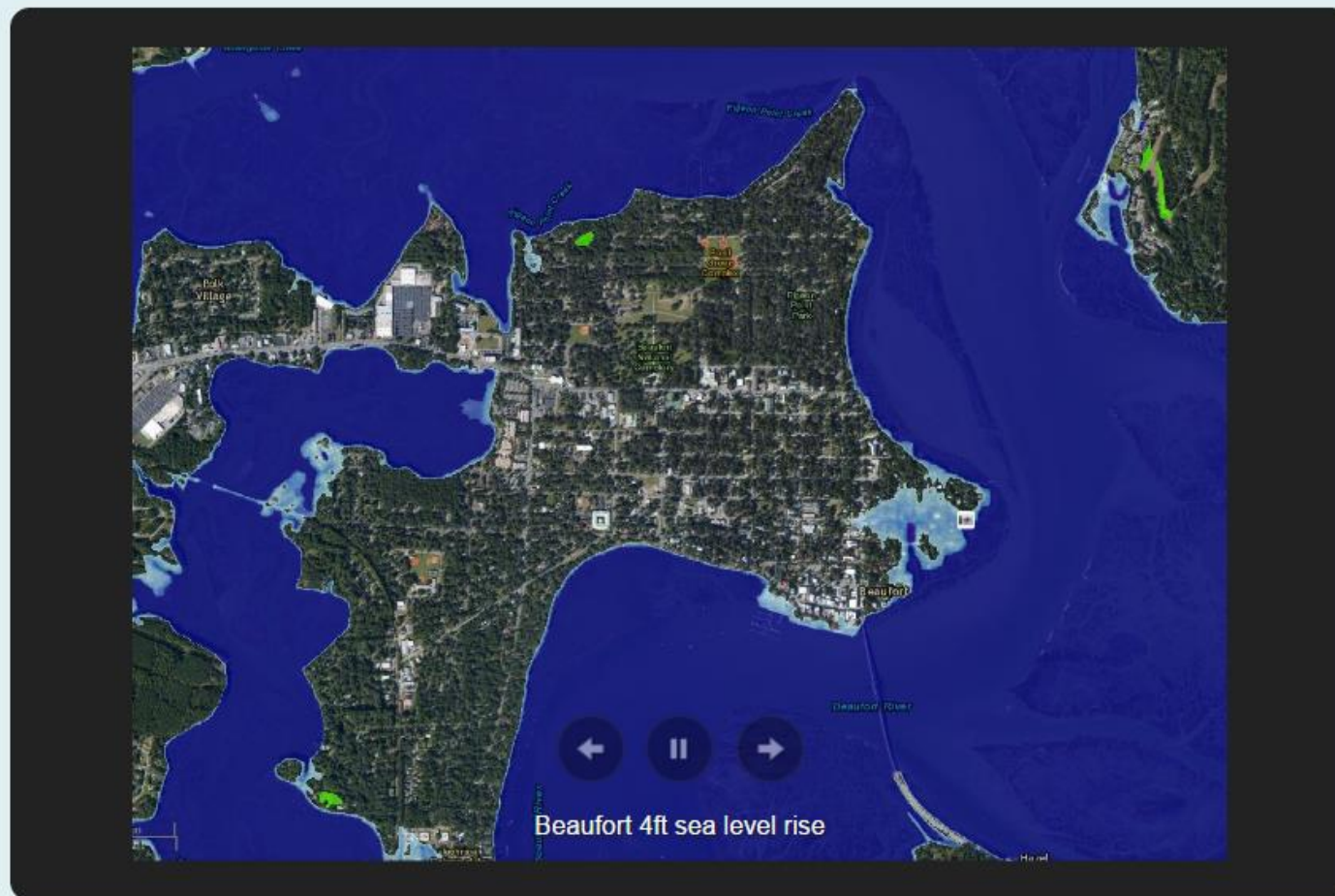
MCRD Parris Island



Significant Background Work Already Completed by –and
this project is working with all of them:

- Beaufort-Port Royal Sea Level Rise Task Force
- NOAA Digital Coast
- SC Sea Grant Consortium
- Beaufort County Planning Department
- Department of Defense

Beaufort at a glance:

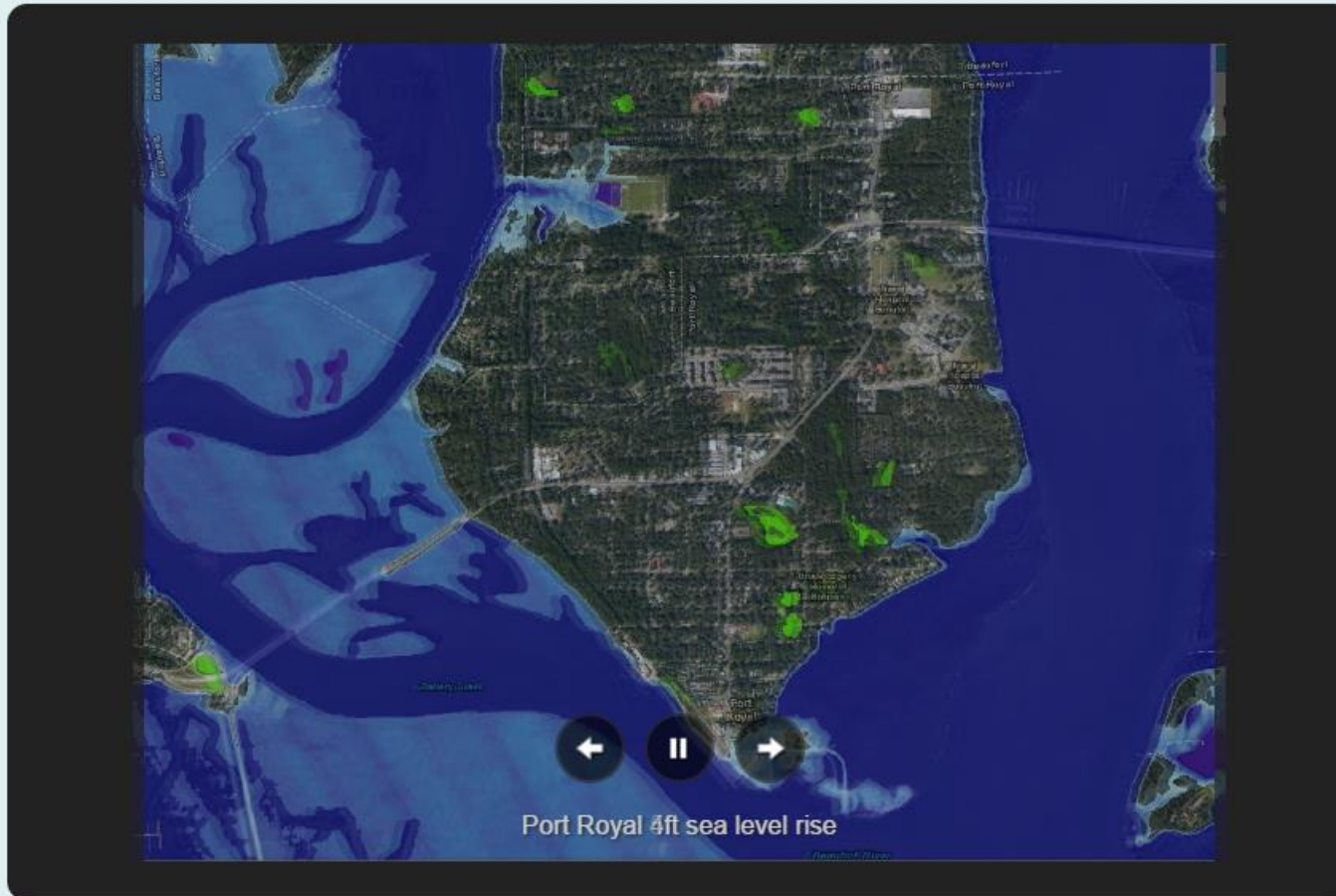


Port Royal at a glance:

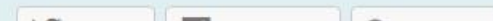
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Port Royal at a glance:



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Area Infrastructure Providers Are and/or Will Be Involved:

- Stormwater Infrastructure – Beaufort County
- Water and Sewer – Beaufort-Jasper Water and Sewer Authority (BJWSA)
- Electric and Gas – SCE&G
- Telecommunications – Hargray
- Transportation—LCOG, SCDOT

The consultant (Geoscience Consultants) will provide a recommendations report with adaptation measures and cost estimates for improving and/or mitigating vulnerable infrastructure by Spring 2017. It will be based on guidance from two Department of Defense publications:

- USACE's Comprehensive Evaluation of Projects with Respect to Sea-Level Change project¹
- DoD's Regional Sea Level Scenarios For Coastal Risk Management².

