



Outer Banks Corridor Update

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Report Overview


- This report is the Department's summary on the identification of federally owned property that is necessary to construct or to manage existing and future transportation corridors on the Outer Banks as required by S.L. 2014-100, Section 14.7(h).


SECTION 14.7.(h) Identification of Outer Banks Transportation Corridor. – No Later than November 30, 2014, the Department of Transportation shall identify federally owned property that is necessary to construct or to manage existing and future transportation corridors on the Outer Banks and shall report this information to the chairs of the Joint Legislative Transportation Oversight Committee, to the Secretary of the Department of Administration, and to the Fiscal Research Division.


- NCDOT submitted this report to the Joint Legislative Transportation Oversight Committee on November 26, 2014.

NCDOT Projects Along the Outer Banks

 Bonner Bridge replacement project (STIP No. B-2500)

 Buxton to Avon planning & environmental studies for maintaining roadway (STIP No. R-4070B)

 Hatteras Village hot spot interim improvements (STIP No. R-3116B)

 Ocracoke Island hot spot interim improvements (STIP No. R-3116A)

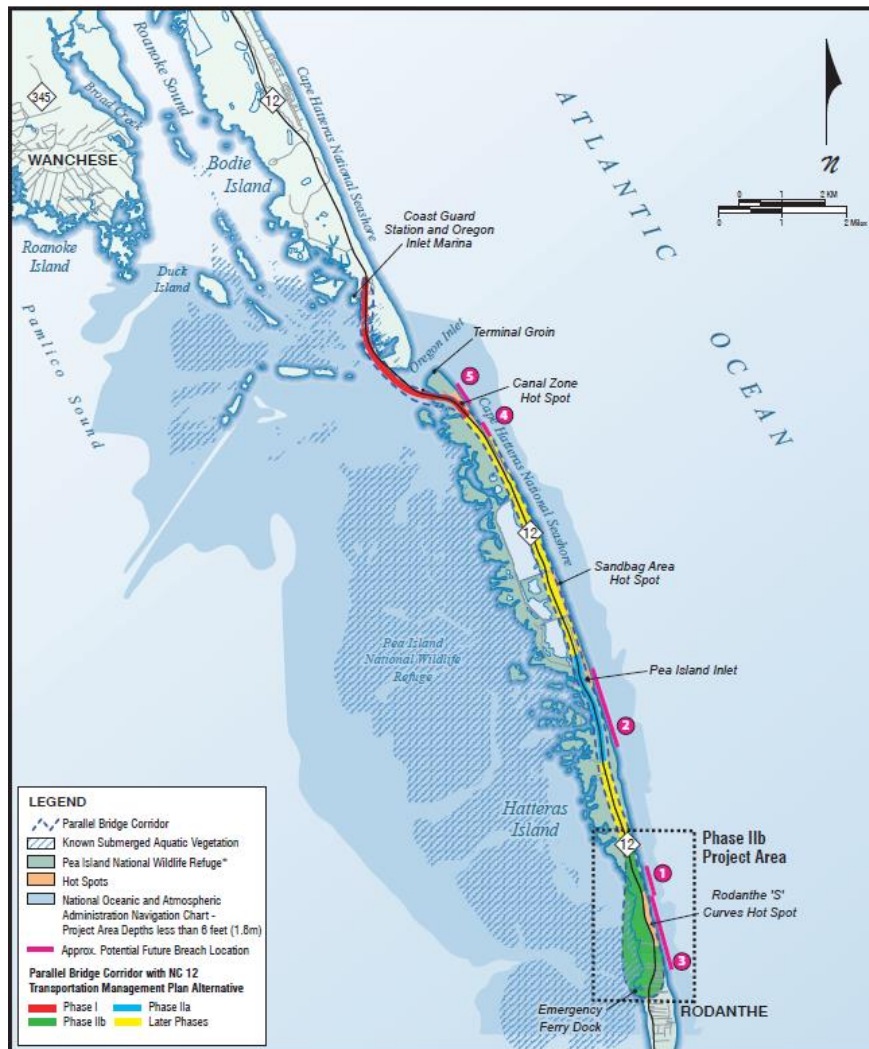


Bonner Bridge Replacement Project (B-2500)

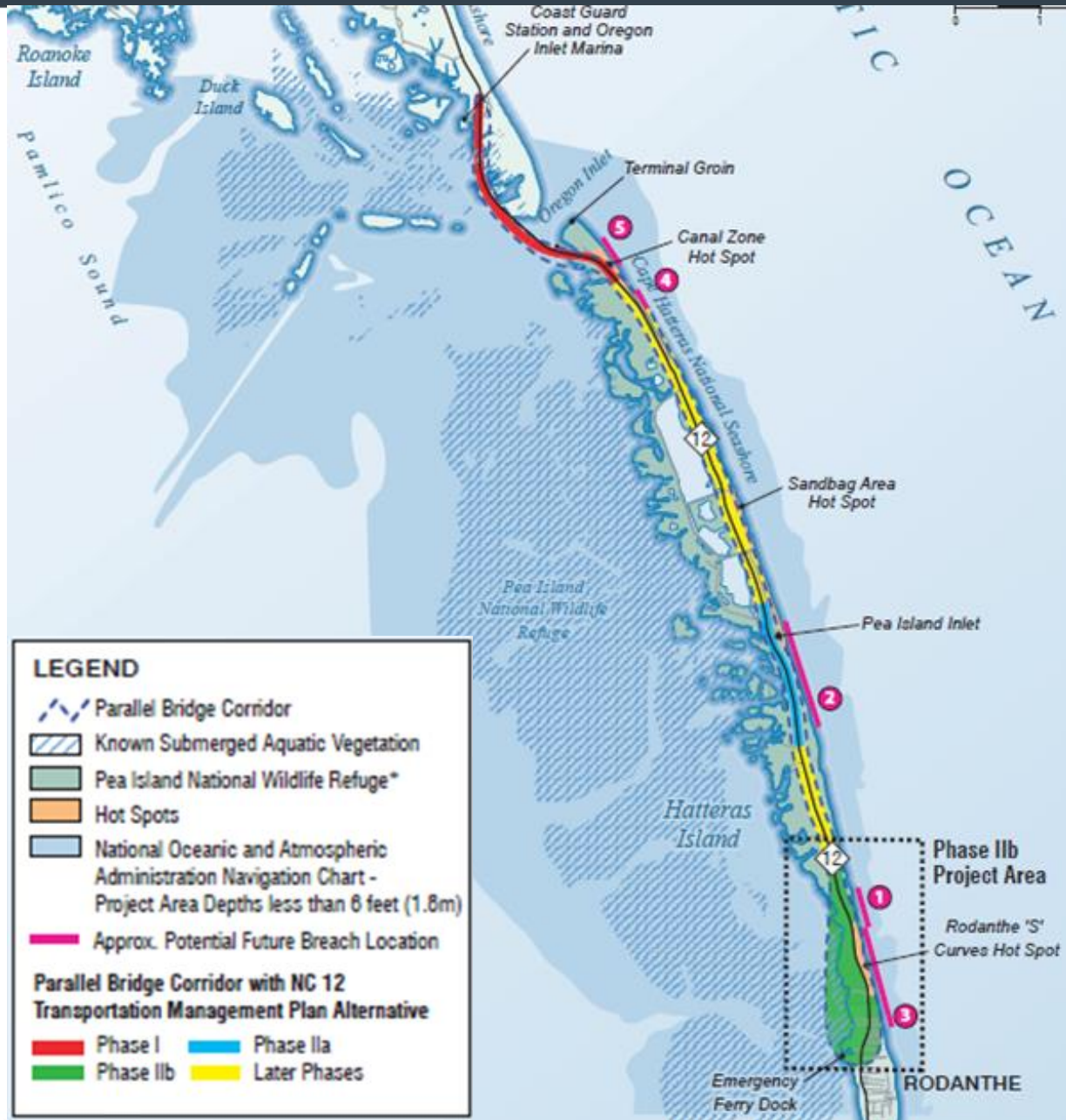
- **Cape Hatteras National Seashore (National Park Service), U.S. Fish & Wildlife, and NCDOT are working to finalize a minor shift in existing easements needed for construction of Bonner Bridge replacement at Oregon Inlet.**
- **Tentative agreement reached in March 2014 for an easement shift on Bodie Island which is managed by Cape Hatteras National Seashore (NPS).**
- **Agreement reached in September 2014, and is pending execution, for a minor easement shift on Pea Island which is managed by the Pea Island National Wildlife Refuge.**



Bonner Bridge Replacement Project (B-2500)



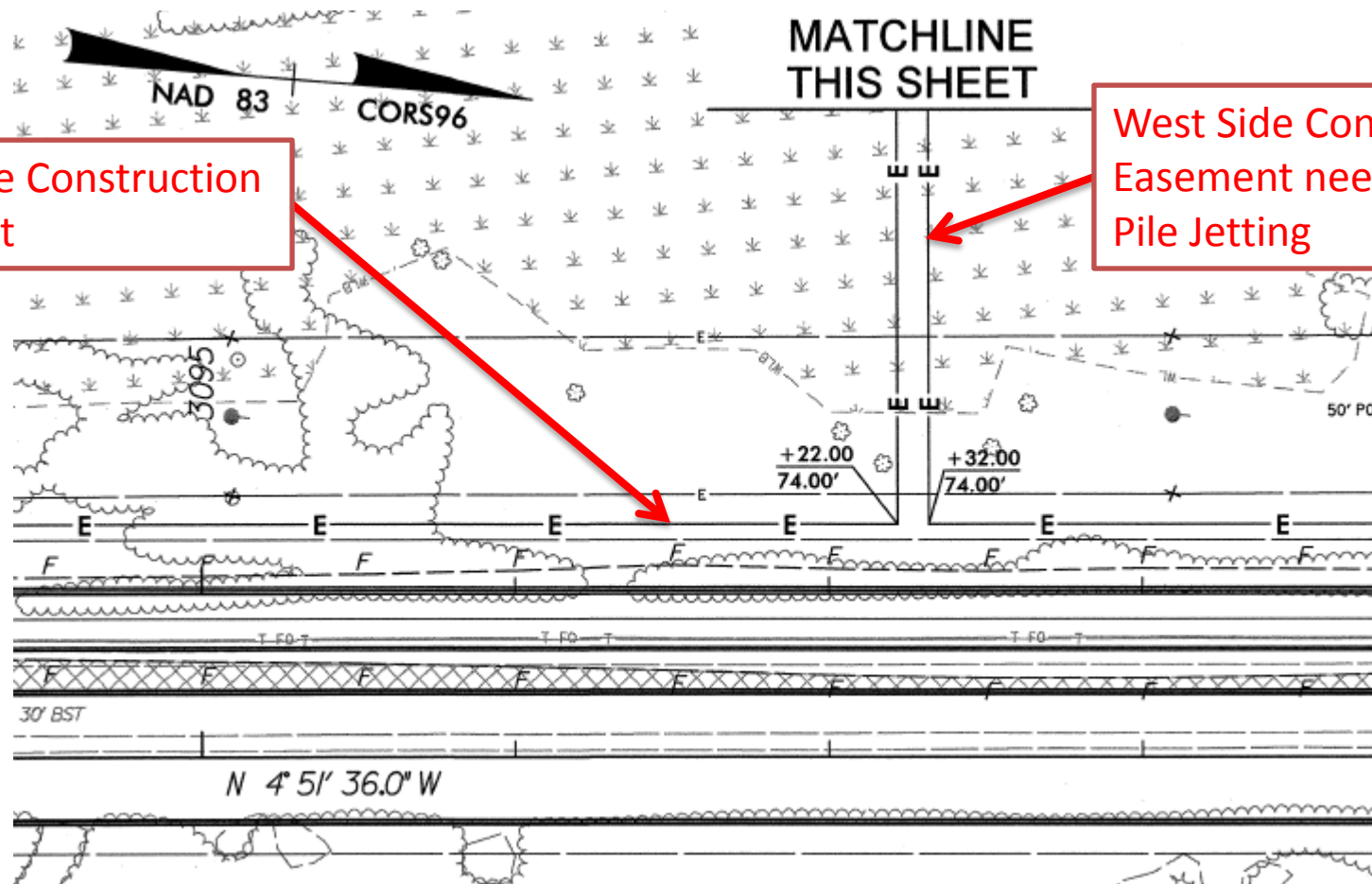
- This project is subdivided into several smaller projects along Pea Island due to complexities associated with the project.



Pea Island Long Term Improvements, Bonner Bridge Replacement Project Phase IIa (B-2500A)

- **Need approximately 2.5 acres for a temporary construction easement. Easement located within existing NC 12 easement alternative in Pea Island National Wildlife Refuge.**
- **Most of the temporary construction easement is located on each side of the existing temporary bridge location with the remainder required along the length of the west side of NCDOT's existing NC 12 easement.**
- **Temporary construction access is also required at three areas along the west side of the project to access water in the Pamlico Sound for pile jetting.**

Pea Island Long Term Improvements, Bonner Bridge Replacement Project Phase IIa (B-2500A)



West Side Construction Easement

West Side Construction Easement needed for Pile Jetting

Pea Island Long Term Improvements, Bonner Bridge Replacement Project Phase IIa (B-2500A)



Pea Island Long Term Improvements, Bonner Bridge Replacement Project Phase IIA (B-2500A)



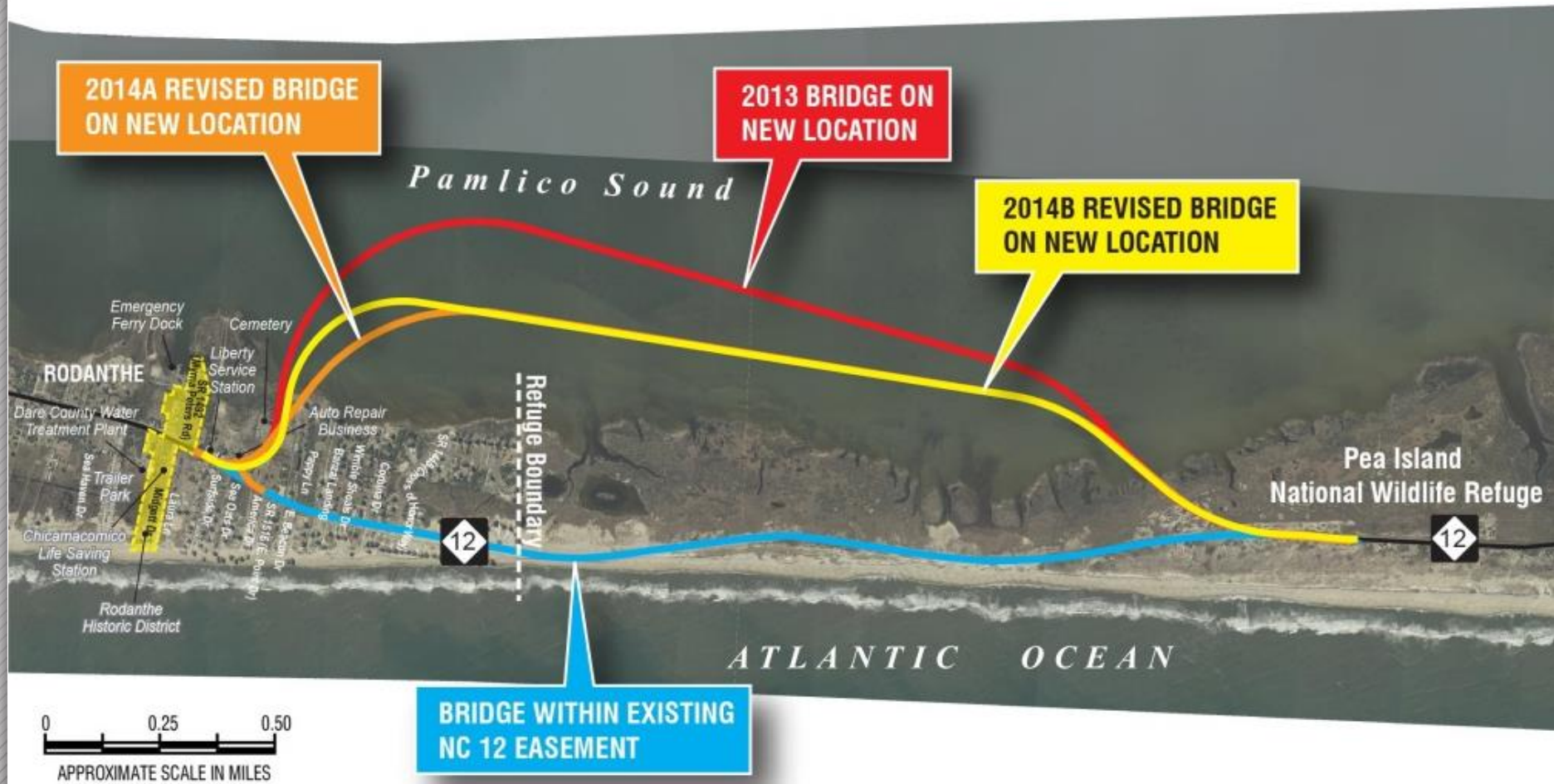
NC 12 – Rodanthe Breach Long Term Improvements, Bonner Bridge Replacement Project Phase IIb (B-2500B)

- **NCDOT and FHWA have completed an Environmental Assessment for this phase of the NC 12 / Bonner Bridge replacement project.**
- **Two alternatives were considered in the document: 1) Bridge within Existing NC 12 Easement and 2) Bridge on New Location.**
- **Although NCDOT named the Bridge within the Existing NC 12 Easement as its Preferred Alternative, consideration is still being given to both alternatives in light of comments received from the public and from resource and regulatory agencies. Depending on the final decision, estimated use of federally owned property is as follows:**

1) Bridge within Existing NC 12 Easement Alternative – Approximately 2.1 acres of temporary construction easement within the Pea Island National Wildlife Refuge needed for this option. The temporary construction easement is located along most of the length of this option on both sides of NCDOT's existing NC 12 easement.

2) Bridge on New Location Alternative – Approximately 2.8 acres of land within the boundary of the Pea Island National Wildlife Refuge would be needed for this alternative. The new permanent easement consists of land at the northern terminus of the alternative west of the existing NC 12 easement and assumes an easement width of 100'. An additional 0.7 acres of temporary construction easement is also expected beyond the 2.8 acres of permanent easement.

NC 12 – Rodanthe Breach Long Term Improvements, Bonner Bridge Replacement Project Phase IIb (B-2500B)



NC 12 – Buxton / Avon Hot Spot (R-4070B)

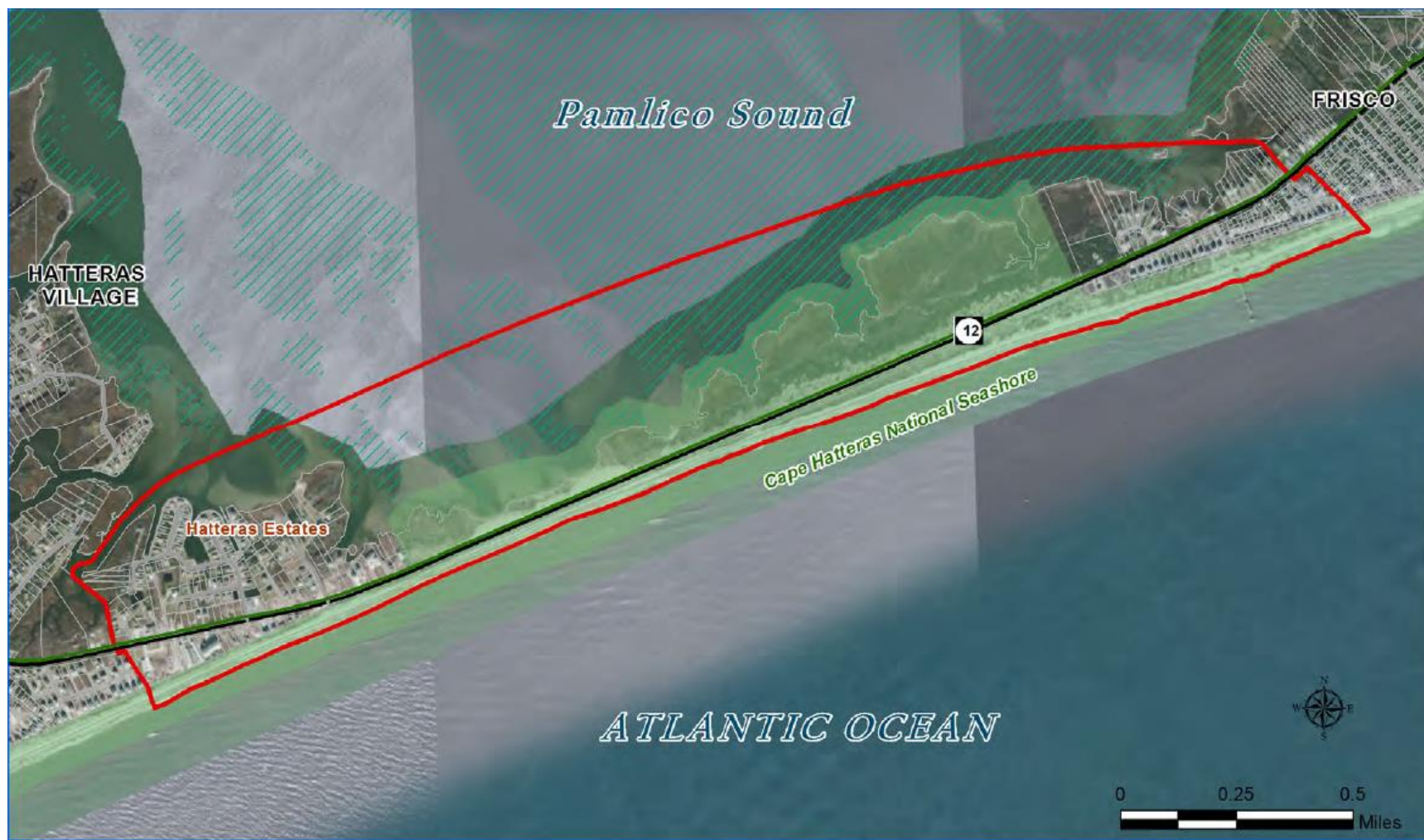
- The Department is currently preparing a feasibility study considering both short-term (5 years) and long-term (50 years) options for stabilizing this area of Hatteras Island. The draft of the feasibility study report estimates up to 50 acres of land within the Cape Hatteras National Seashore (NPS) may be needed as easement for long-term alternatives under consideration. During the project development process, alternatives may be added based on input from the public and agency stakeholders that could change this early estimate of needs.



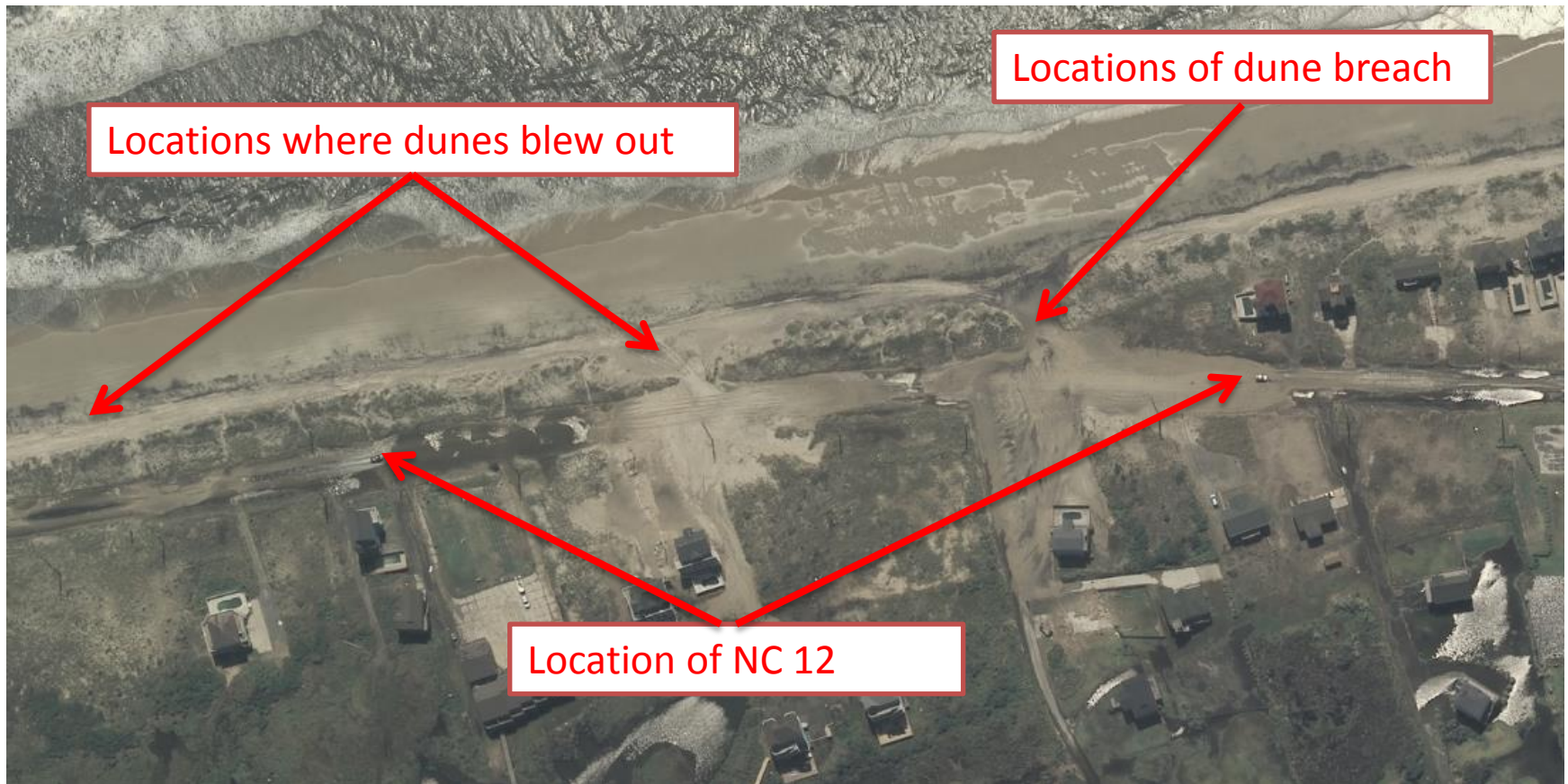
NC 12 – Hatteras Village Hot Spot (R-3116B)

- **The Department is currently preparing a feasibility study considering both short-term (5 years) and long-term (50 years) options for stabilizing this area of southern Hatteras Island. Up to 50 acres of land within the Cape Hatteras National Seashore (NPS) may be needed as easement for long-term alternatives under consideration. During the project development process, alternatives may be added based on input from the public and agency stakeholders that could change this early estimate of needs.**

NC 12 – Hatteras Village Hot Spot (R-3116B)



NC 12 – Hatteras Village Hot Spot (R-3116B)



NC 12 – Post Hurricane Irene 2011

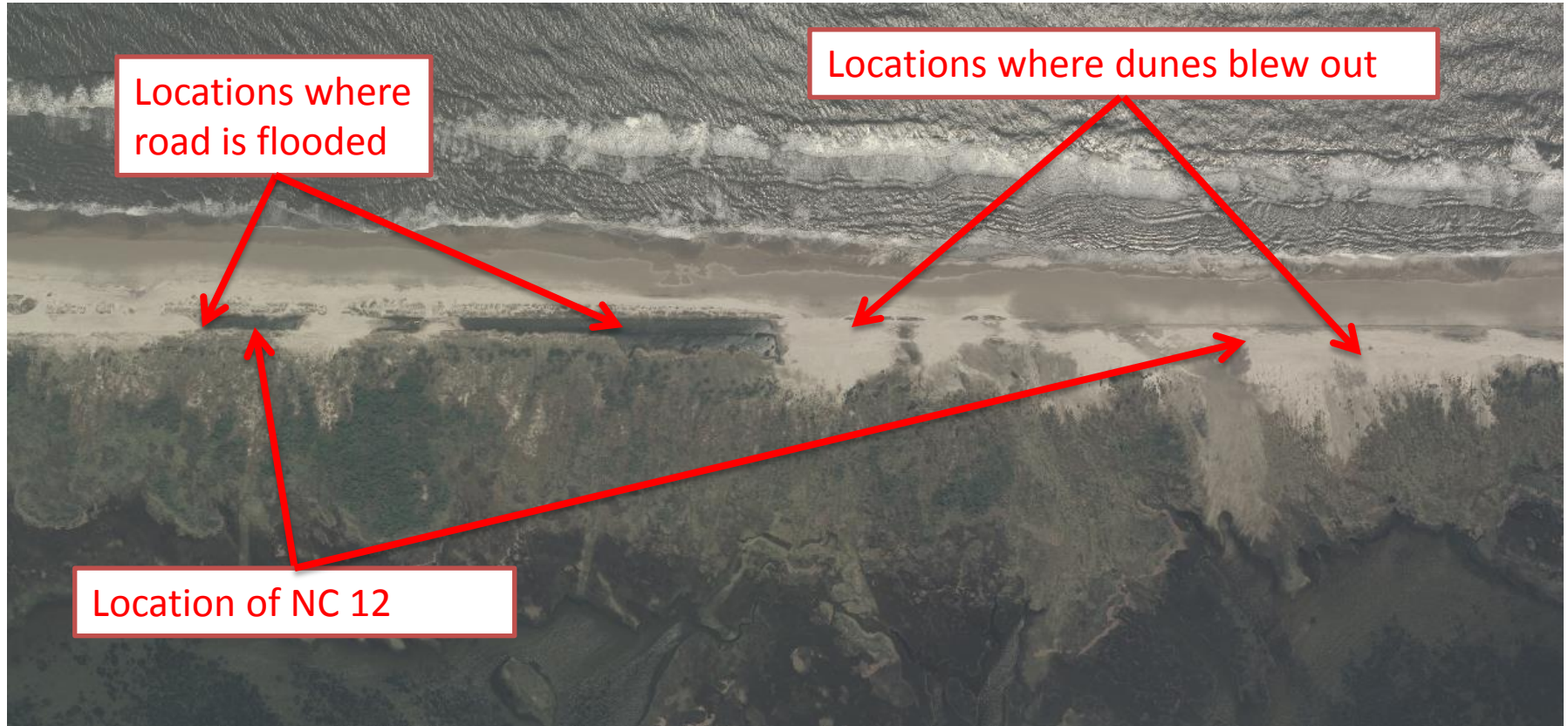
NC 12 – Northern Ocracoke Island Hot Spot (R-3116A)

- **The Department is currently preparing a feasibility study considering both short-term (5 years) and long-term (50years) options for stabilizing this area of Ocracoke Island that is prone to ocean overwash. Up to 60 acres of land within the National Park Service lands within the Cape Hatteras National Seashore could be required as easement for long-term alternatives under consideration. During the project development process, alternatives may be added based on input from the public and agency stakeholders that could change this early estimate of needs.**

NC 12 – Northern Ocracoke Island Hot Spot (R-3116A)



NC 12 – Northern Ocracoke Island Hot Spot (R-3116A)



NC 12 – Post Hurricane Irene 2011



Questions or
Comments?
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