

MMS Virginia Task Force Meeting

Renewable Energy Uses of the Outer Continental Shelf

Williamsburg, Virginia

April 27, 2010



Office of Offshore Alternative Energy Programs
Minerals Management Service



Agenda

MMS – VA Task Force Meeting

April 27, 2010

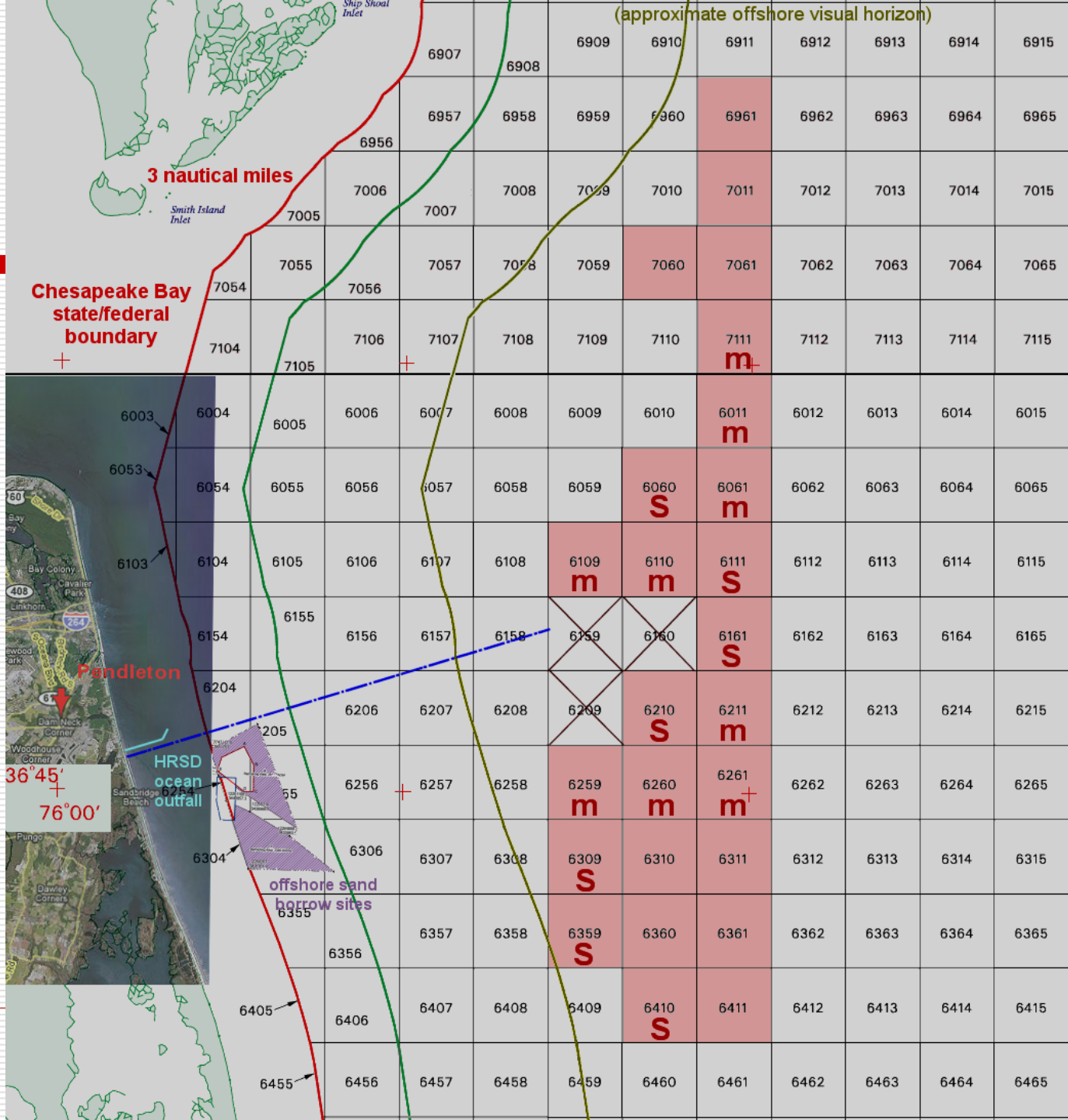
- ❑ Senator Mark Wagner - Welcome
 - ❑ Will Waskes, MMS - Introductions
 - ❑ Steve Walz, VA DMME - State Activities Update
 - ❑ Al Pless, MMS – Task Force Activity Update Since December 8 Meeting
 - ❑ Colonel Ben Wash, DOD - Renewable Energy Compatibility with DOD Activities in VACAPES
 - ❑ Lcdr, ret. George Detweiler, Coast Guard, Traffic Separation Schemes in the RFI Area.
 - ❑ Steve Tindal, US Navy – Energy Efficiency and Renewable Energy Requirements
 - ❑ Presentation and Discussion of Draft RFI
 - ❑ Action Items and Next Steps
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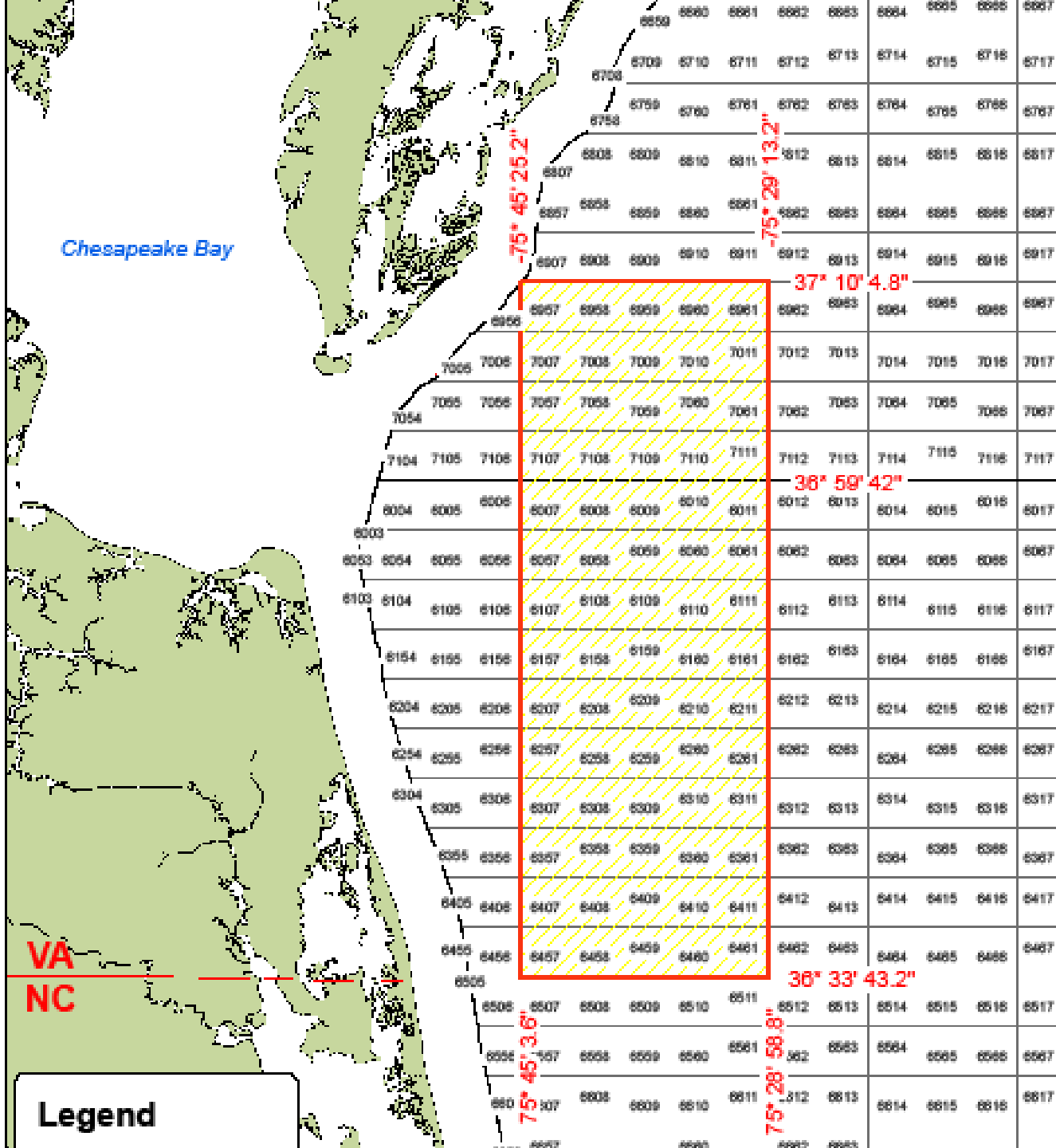
Update on Intergovernmental Activities

Kickoff Meeting December 8, 2010

- Introduced Task Force
- Discussed the Renewable Energy Leasing Process
- Discussed the Environmental Review Process
- Adopted the Task Force Charter
- Discussed the Request for Interest
- Discussed Potential Development Area

April 27, 2010





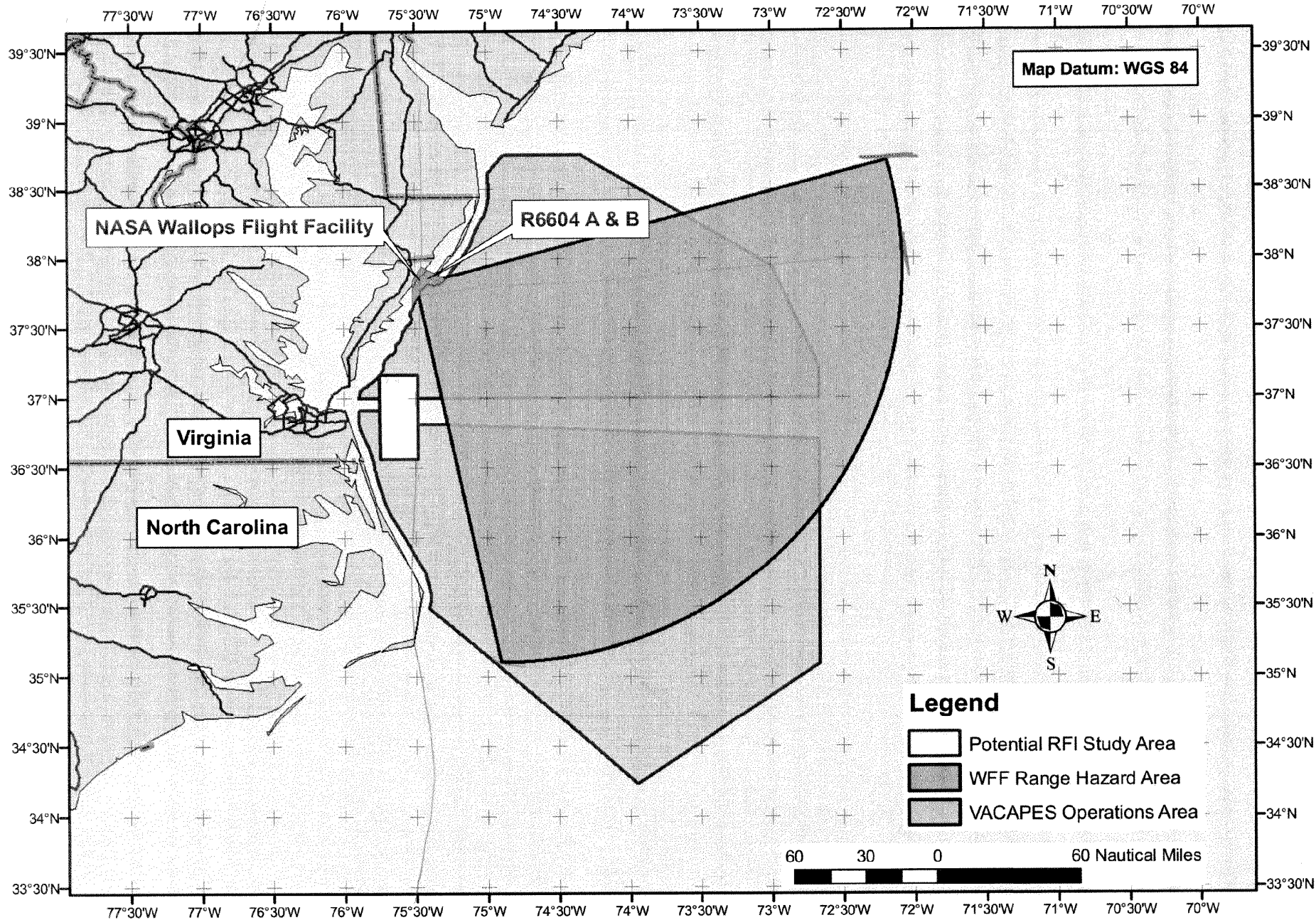
Legend

Major Tasks

- Contact Key Players on the OCS
 - NASA Wallops Island
 - Coast Guard
 - Department of Defense
-

NASA Activities



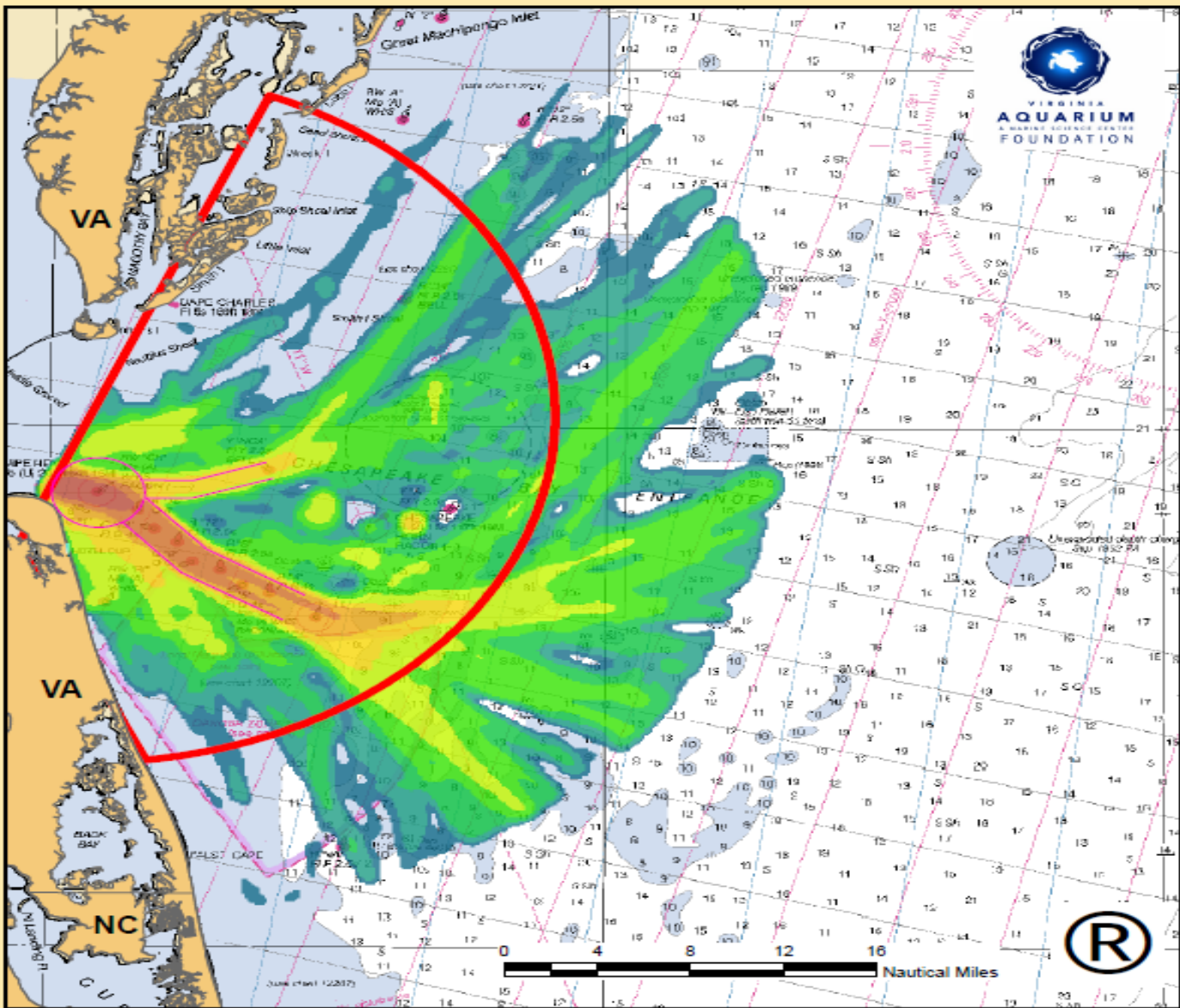


Potential RFI Area Offshore

* The WFF range hazard area has been graphically represented at 165 nautical miles for planning purposes only. The actual hazard area can extend beyond 165 nautical miles.

Coast Guard Mission

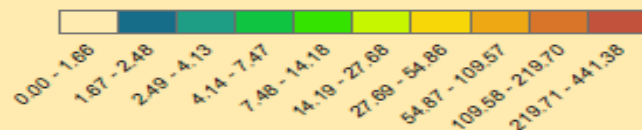
- ❑ **Maritime Safety:** Semper Paratus to respond to calls for help at sea.
 - ❑ **Maritime Security:** Protect America's maritime borders from all intrusions
 - ❑ **Maritime Transportation:** Facilitate maritime commerce and eliminate interruptions and impediments to the efficient and economical movement of goods and people, while maximizing recreational access to and enjoyment of the water.
 - ❑ **National Defense:** Defend the nation as one of the five U.S. armed services.
 - ❑ **Protection of Natural Resources:** Eliminate environmental damage and the degradation of natural resources.
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Legend

- Shipping Lanes
- Pilot Area
- ⋮ Ground Station
- Seasonal Management Area

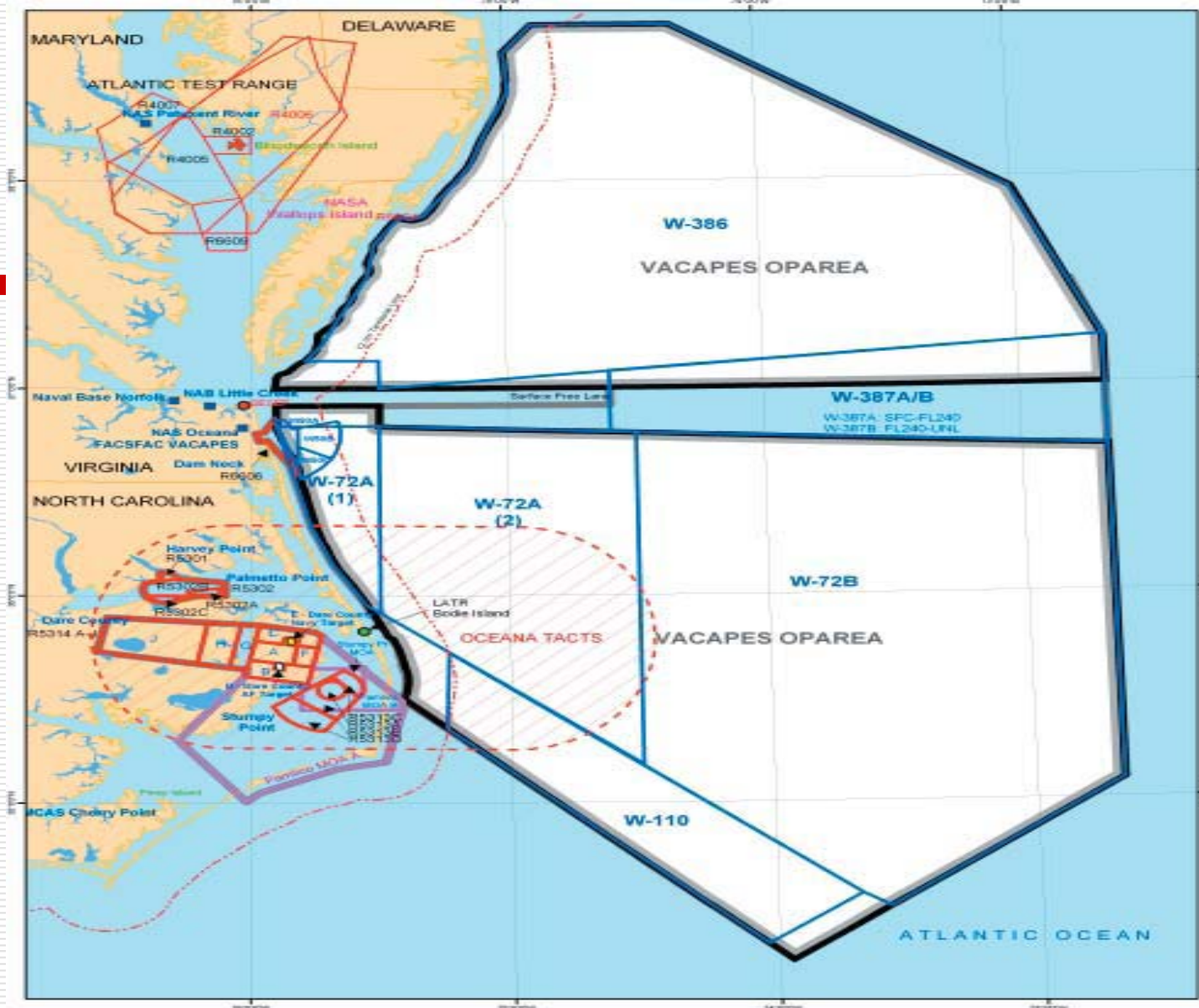
Km of Trackline per Sq. Km



Density of AIS and RADAR Vessels (13:30-21:30 GMT) (April 2008 - March 2009)

Department of Defense

- ❑ W-50 overlies that portion beyond three miles from the coast of Dam Neck
 - ❑ W-72A is seaspace and accompanying airspace located in the southwestern quadrant of the VACAPES OPAREA.
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Legend

- 12 nm Territorial Limit
- VACAPES Operating Area (OPAREA)
- TACTS Range
- Warning Area
- Restricted Airspace
- Military Operating Area (MOA)

Virginia Capes (VACAPES) Range Complex

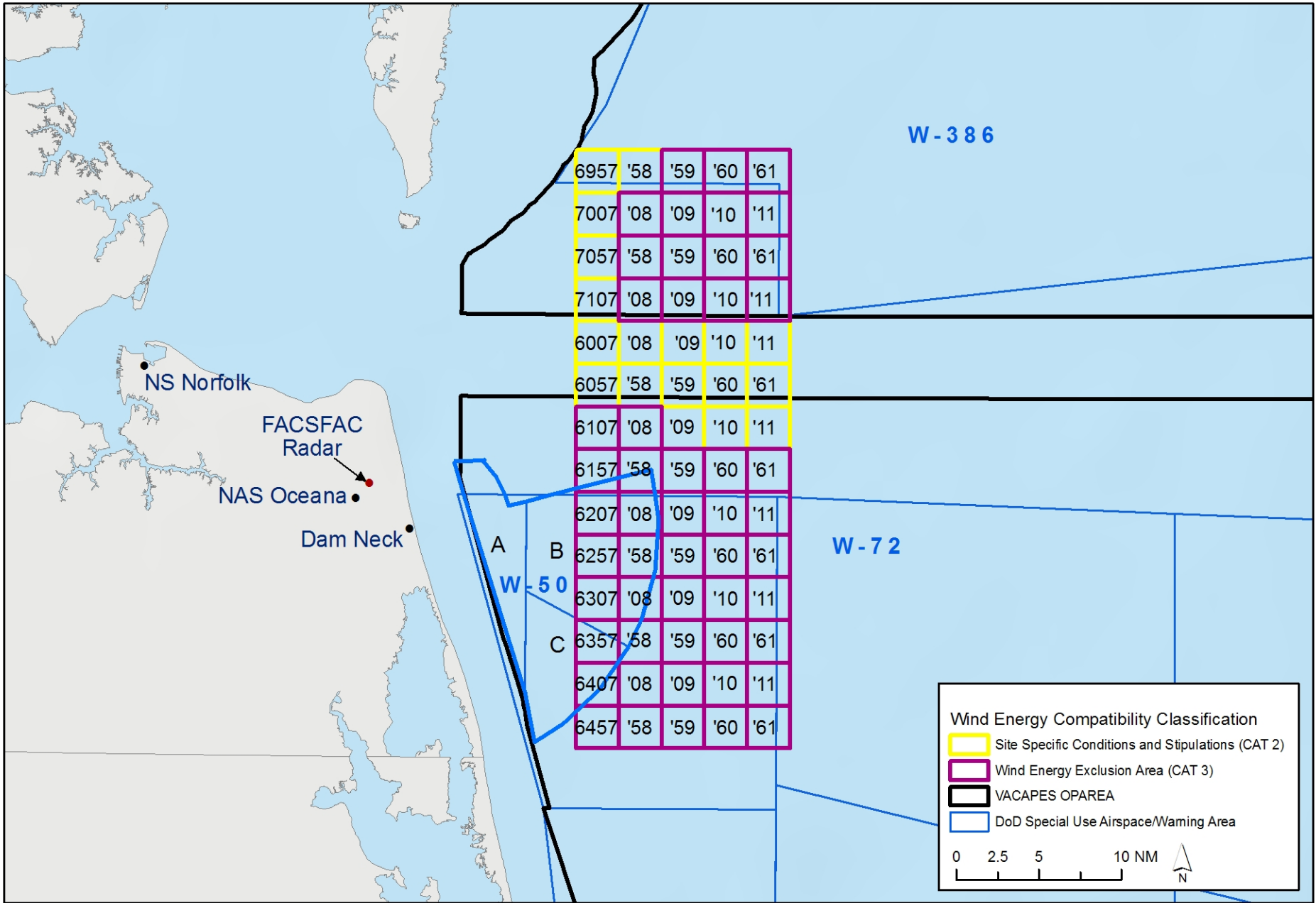






Radars Reflective Surface Balloon (Killer Tomato™)





W-386

NS Norfolk

FACSFAC Radar

NAS Oceana

Dam Neck

A

B

C

W-50

W-72

Wind Energy Compatibility Classification

- Site Specific Conditions and Stipulations (CAT 2)
- Wind Energy Exclusion Area (CAT 3)
- VACAPES OPAREA
- DoD Special Use Airspace/Warning Area

0 2.5 5 10 NM