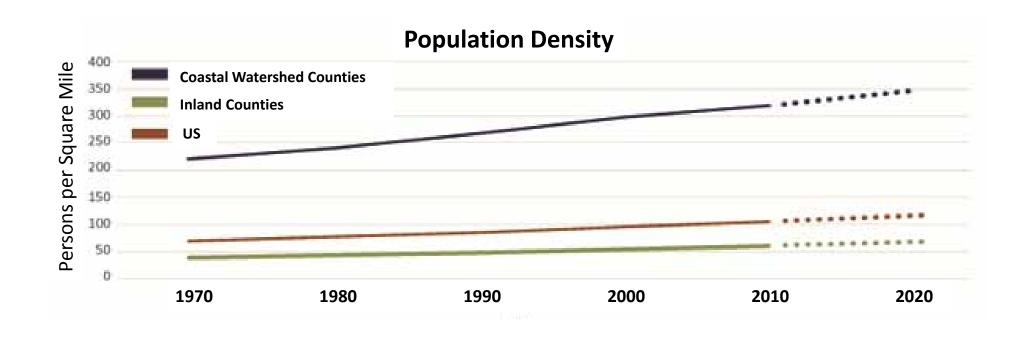
# natural capital COASTAL AND MARINE PROJECT SPATIAL PLANNING







# Sustain ocean productivity for the needs of present and future generations



### Coastal and Marine Spatial Planning

- Streamline organization of marine space across sectors
- Balance demands for development with desires for protection
- Achieve social and economic objectives in a transparent manner





- Establish authorities & funding
- Engage stakeholders
- Establish objectives
- Assemble data
- Synthesize data (make sense of technical info, develop metrics)
- Evaluate alternatives
- Select plan
- Ratification
- Implementation
- Monitoring
- Adaptation

- Some magic happens
- Engage stakeholders/establish objectives
- Assemble data/synthesize data
- Evaluate alternatives
- Select plan
- More magic happens

### **OUR PLAN**

- Spencer on BC
- Chantalle on BZ (and Katie too)
- Rob on New England
- Coffee break
- Paul on reefs & climate
- Discussion of barriers and opportunities
- Description of new tools under development
- Discussion of new tools



## MSP and Offshore Wind Energy in New England

**Robert Griffin** 

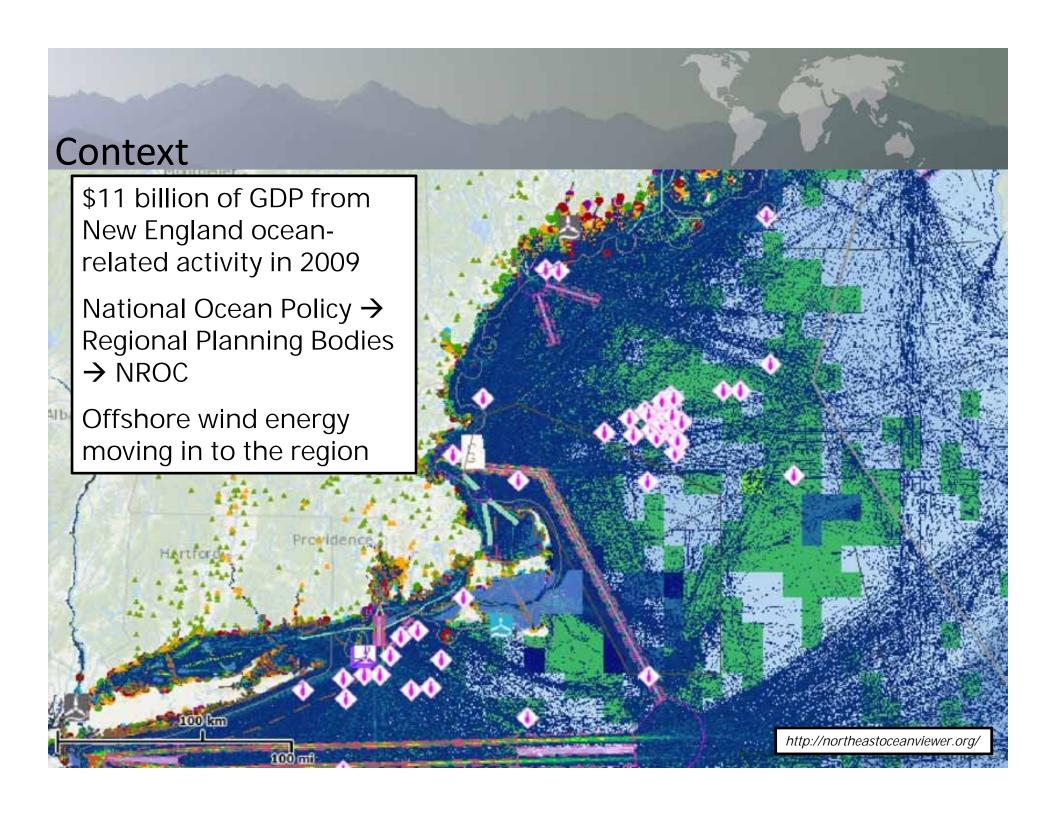
naturalcapitalproject.org rmgriff@stanford.edu











#### **Research Questions**



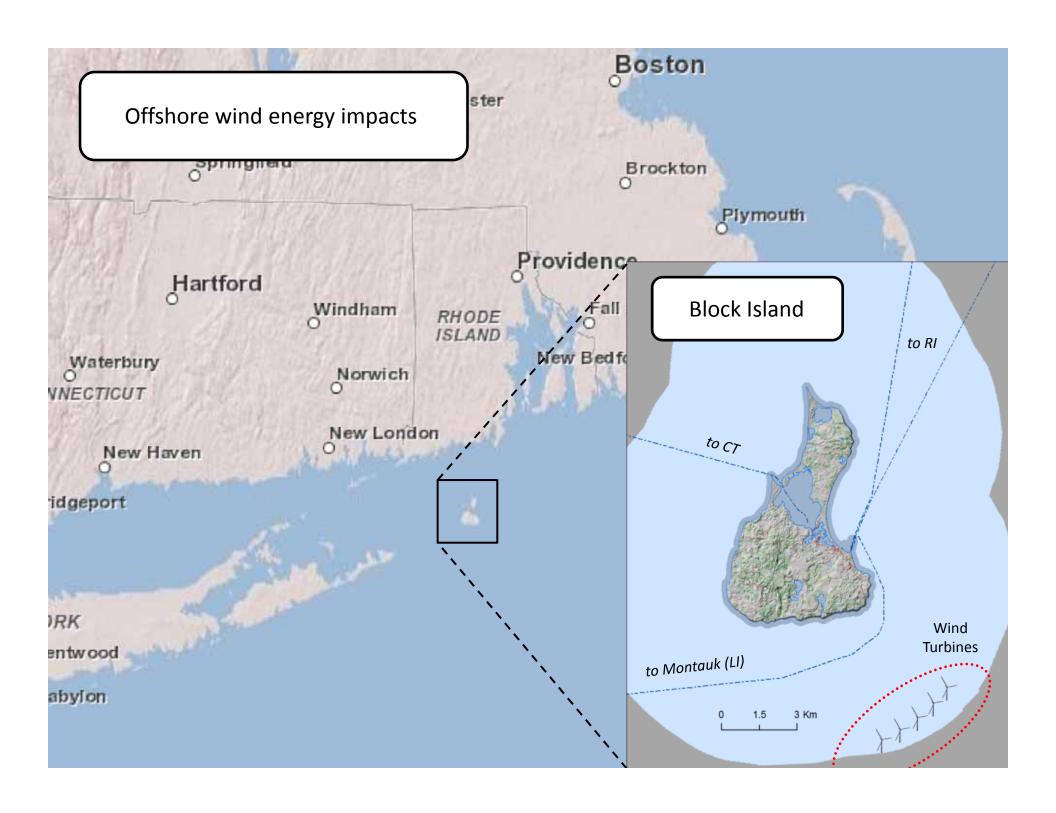
How to appropriately site wind energy in the context of many other uses?



Where does habitat play a role in protecting coastal communities from storms?

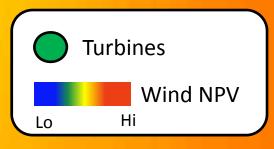


How will climate change affect the spatial distribution of marine life?

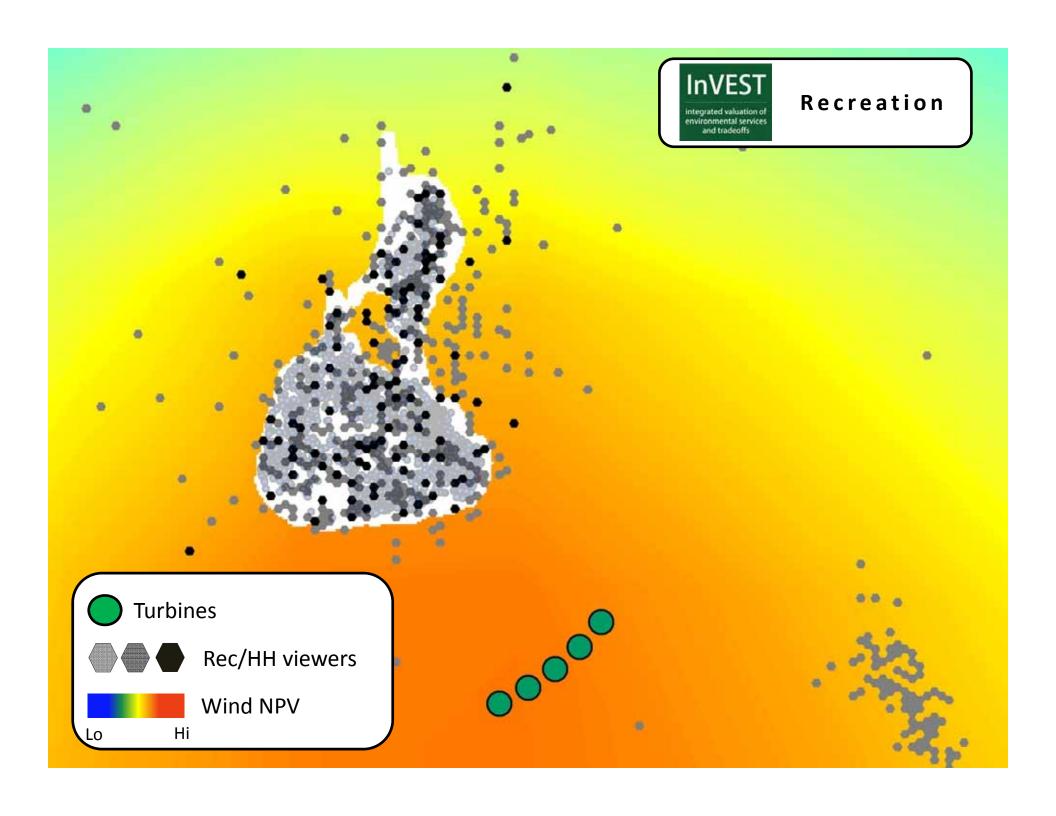


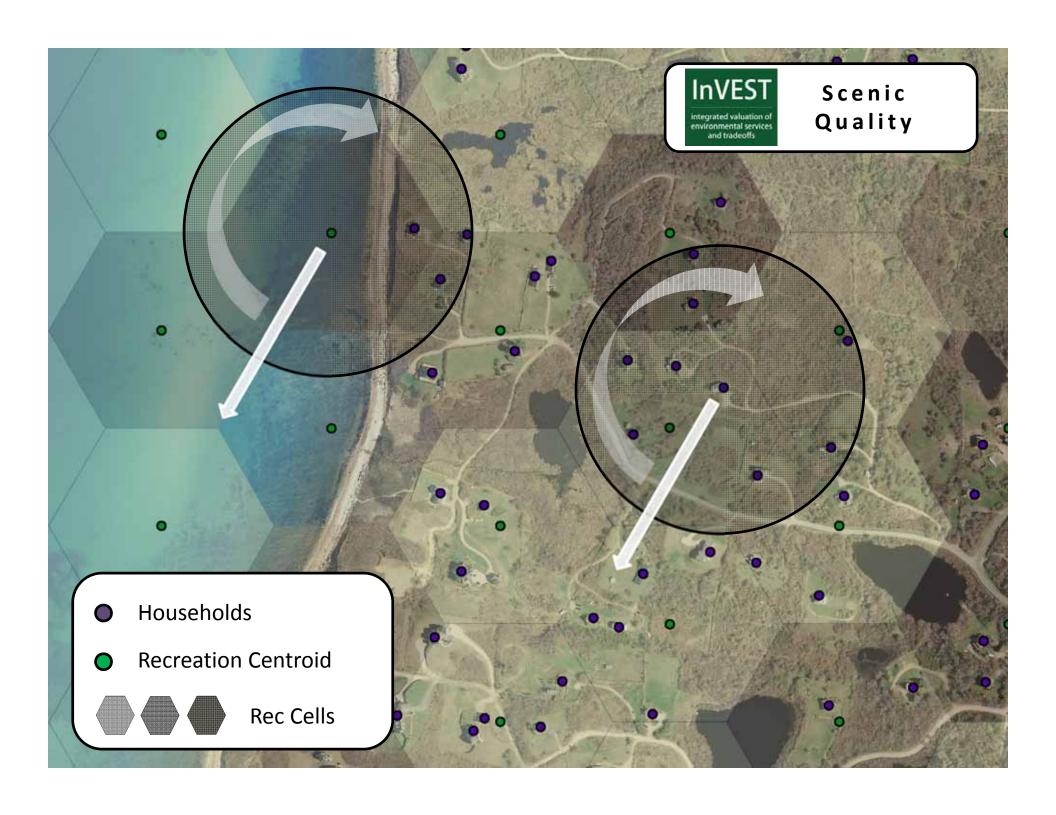


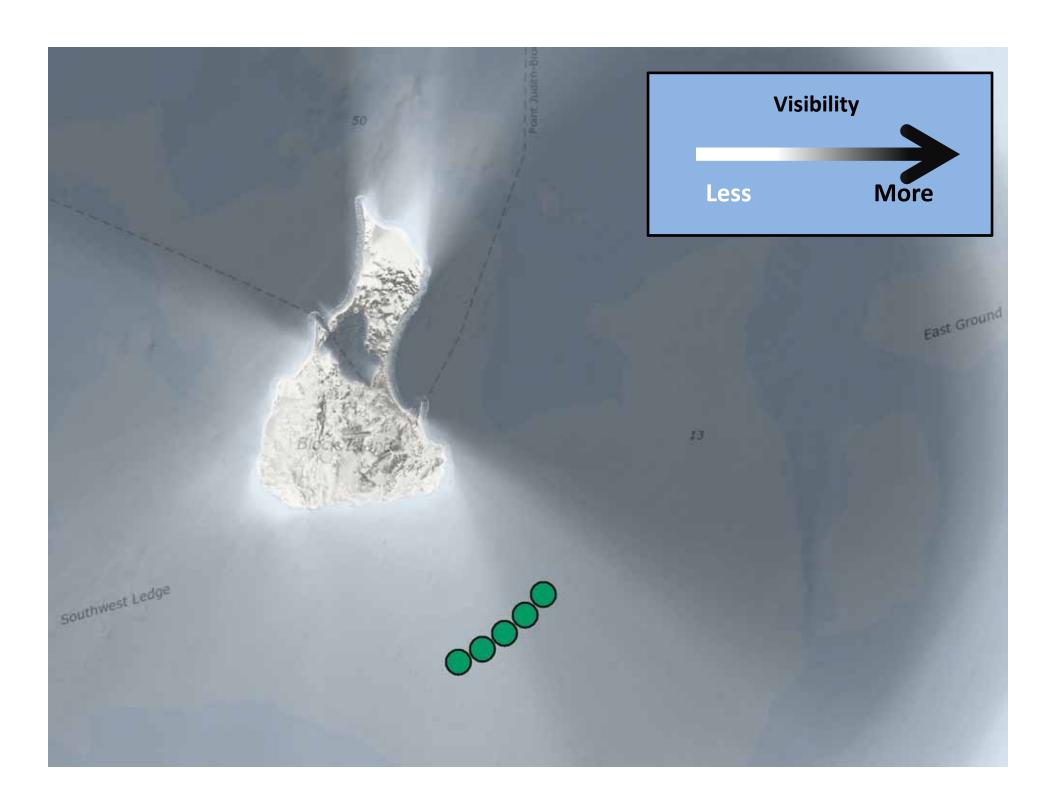


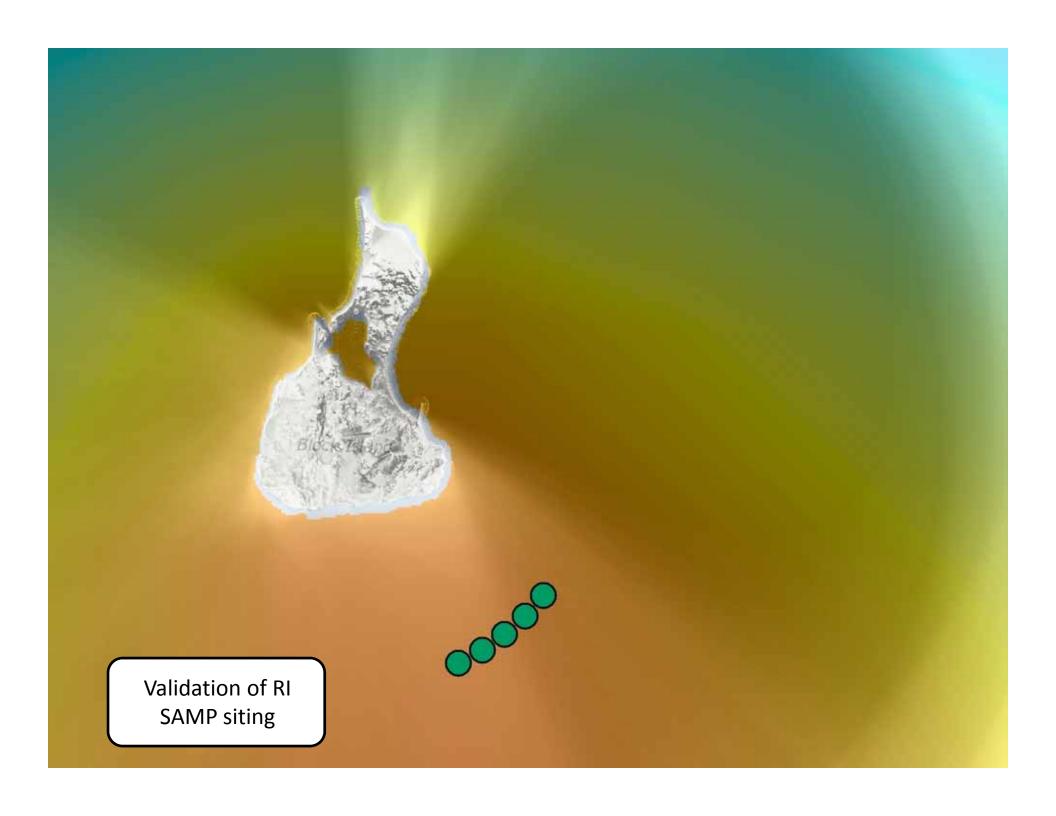












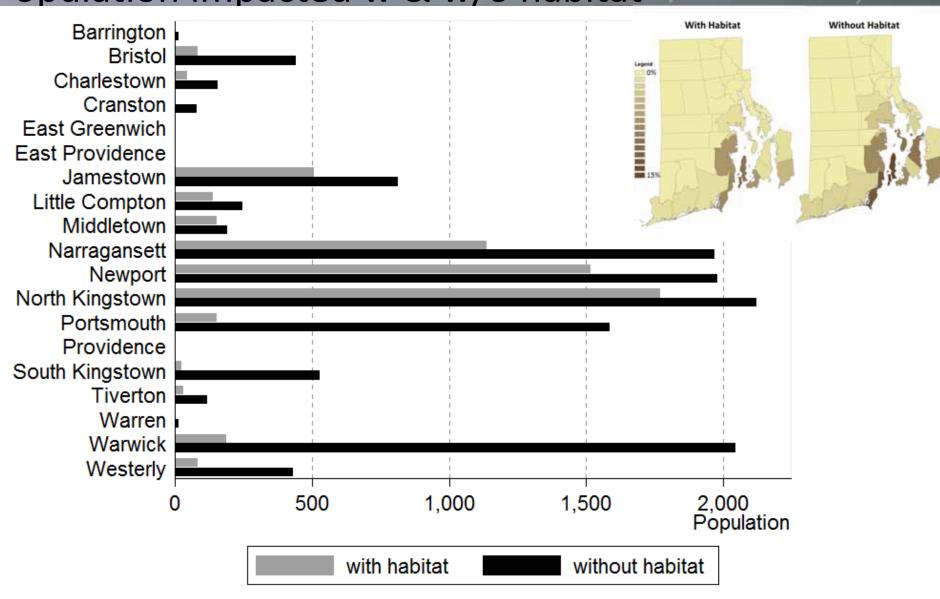
## Protective coastal habitat in Rhode Island **InVEST** Coastal Vulnerability Without With habitat habitat



Coastal Hazard
Highest Intermediate Lowest







### Fisheries, habitat, and climate

Working with NROC to explore linkages between

- Climate change
- Habitat
- Port communities

