



BOEM
BUREAU OF OCEAN ENERGY MANAGEMENT

Planning and Leasing Overview

Public Scoping Meeting for the Ocean Wind (OCS-A 0498) Project

William Waskes
Project Coordinator

The New Jersey Journey

THE HISTORY

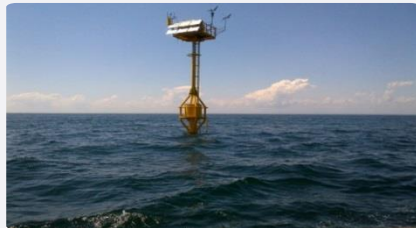
Major Milestones

2005

Energy Policy Act



- Public Law 109-58 signed into law by President George Bush on August 8, 2005.
- Sec. 388 amends the Outer Continental Shelf Lands Act (OSCLA).



OCS-A 0473 (Deepwater Wind LLC)

- New Jersey Offshore Research Device (NJORD)
- Installed in November 2012;

2009

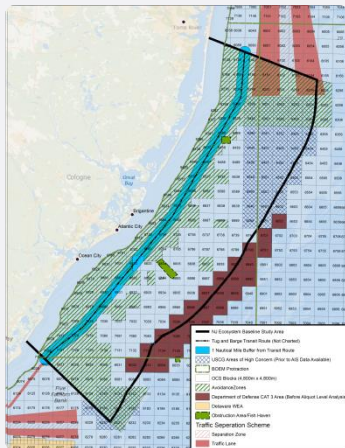


Interim Policy (IP) Leases

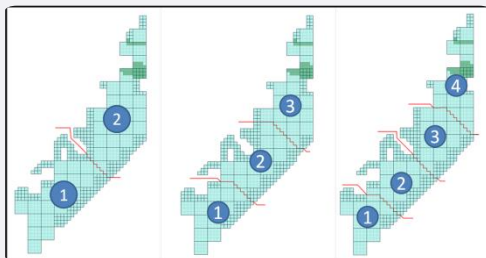
OCS-A 0472 (Fishermen's Energy)

- Announced in 2007,
- 5-Year lease terms and provided
- No subsequent commercial rights.
- Expired in November 2014
- Decommissioned in October 2015.
- Wind Sentinel & Guardian
- Installed in September 2012 & May 2013

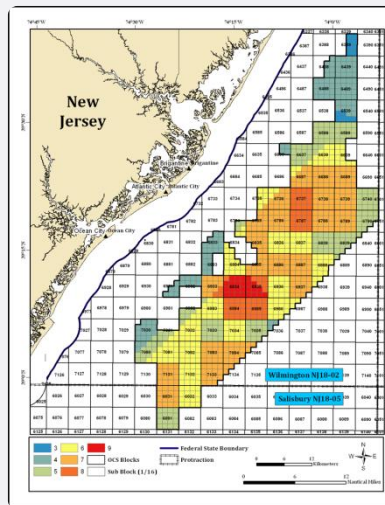
2009



OCTOBER 2013



APRIL 2011



New Jersey Call For Information and Nominations

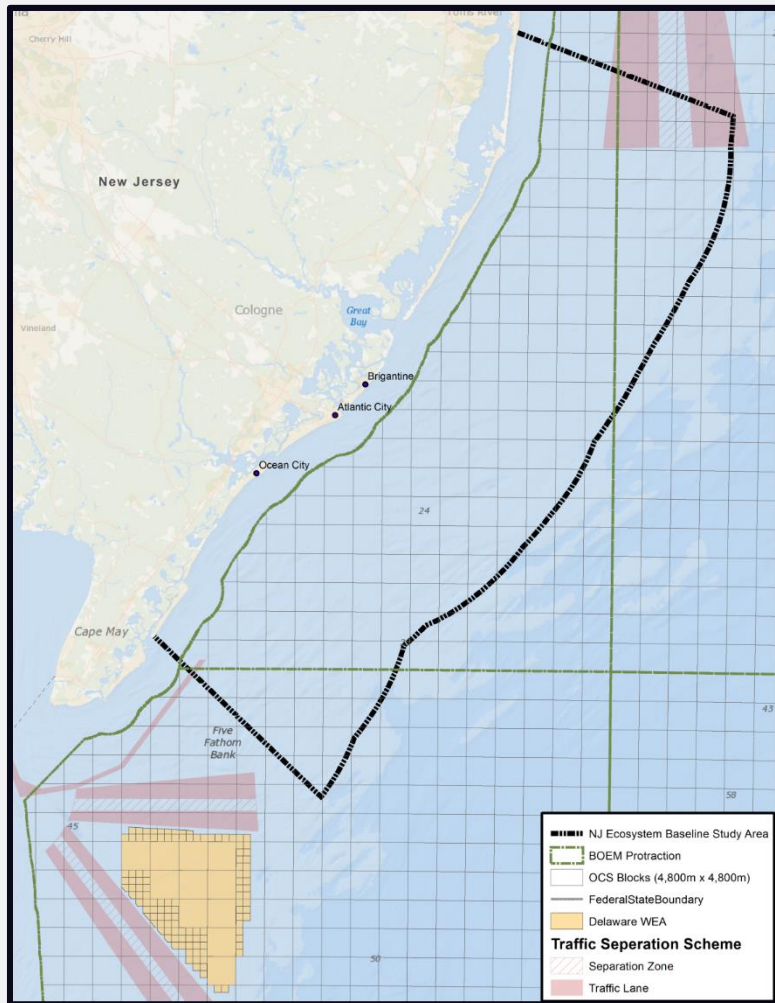
BOEM received 11 nominations of interest with varying interest in specific areas (e.g. OCS blocks).

BOEM New Jersey Renewable Energy Intergovernmental Task Force Established

BOEM has held 7 Meetings or Webinars to date: November 2009; May 2010; November 2010; December 2012; January 2014; April 2014; May 2016.

NREL Wind Resource Assessment and Area Delineation Report

NREL conducted an assessment to identify and delineate possible leasing areas. This information, a similar assessment by Rutgers University and Task Force input were used to inform BOEM's decision.



A	B	C	D	A	B	C	D
E	F	G	H	E	F	G	H
		6629				6630	
I	J	K	L	I	J	K	L
M	N	O	P	M	N	O	P
A	B	C	D	A	B	C	D
E	F	G	H	E	F	G	H
		6679				6680	
I	J	K	L	I	J	K	L
M	N	O	P	M	N	O	P

1 OCS Block

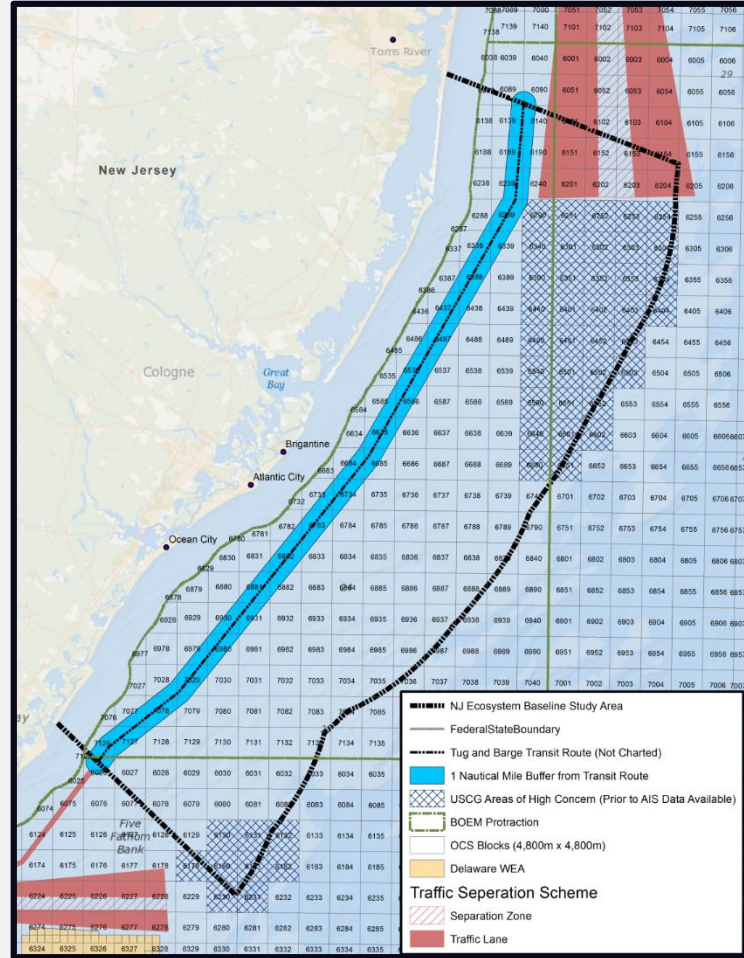
- 4800 meters x 4800 meters
- 3204 hectares

1 Aliquot = 1/16 of an OCS Block

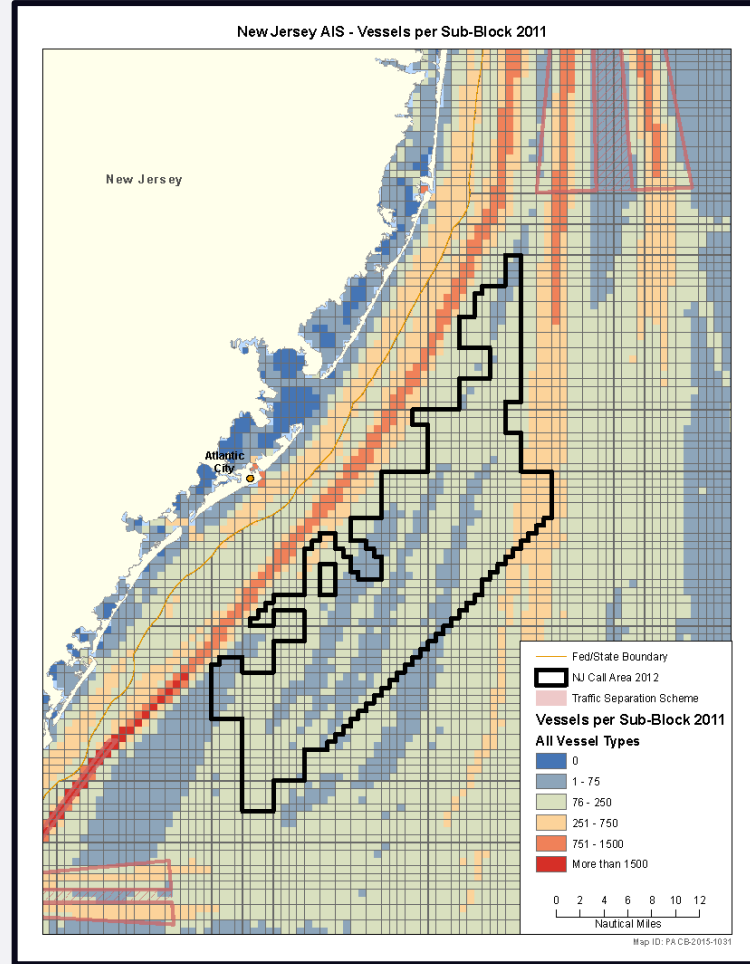
- 1200 meters x 1200 meters
- 144 hectares

Federal/State Boundary (SLA)

- 3 statute miles from the coastline

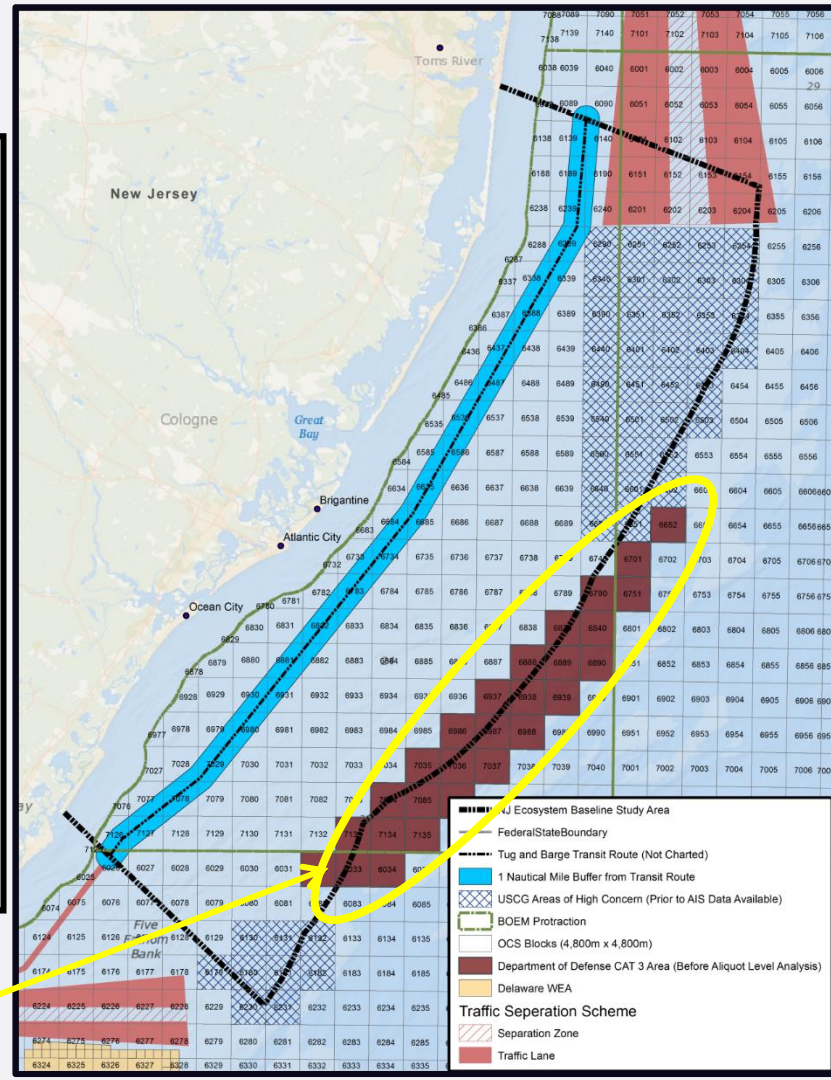
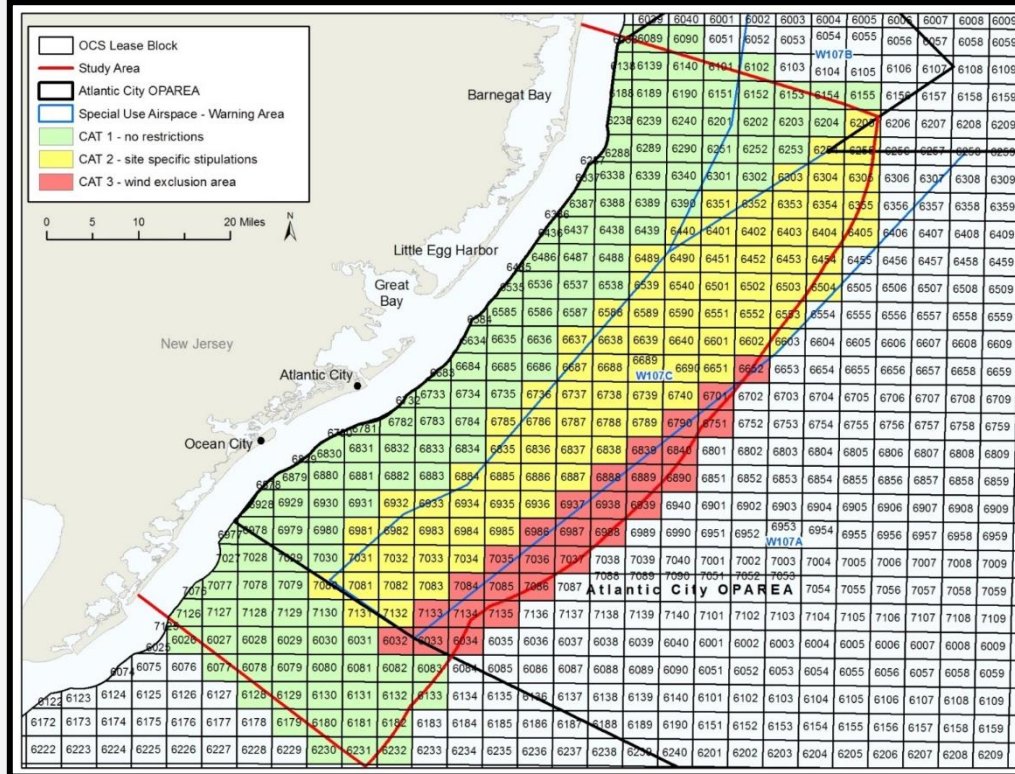


Based on Feedback from USCG and Maritime Stakeholders



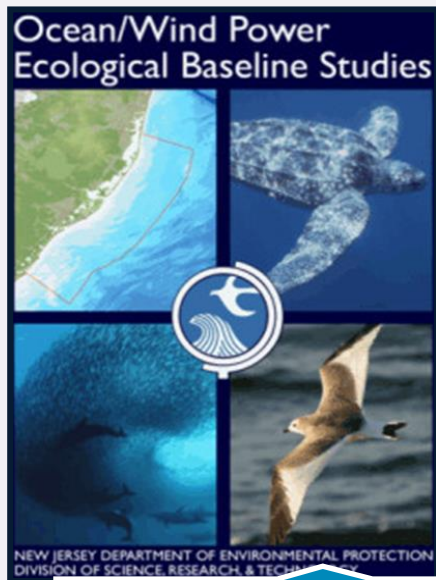
Confirmed Later Through the Analysis of AIS Data

Department of Defense Area Assessment (Full OCS Block Assessment)

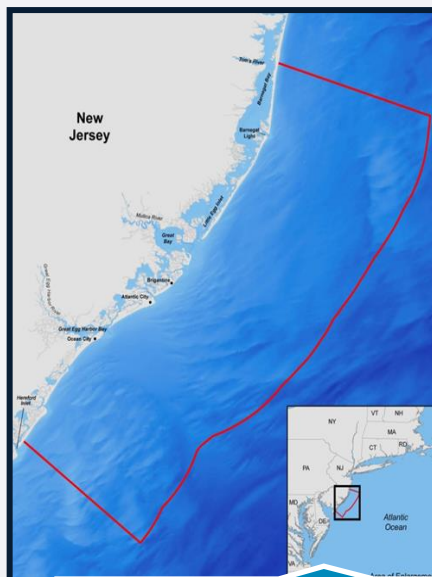


Aliquot Level Assessment Conducted Resulting in Reassessment of Some Aliquots from CAT3 to CAT2

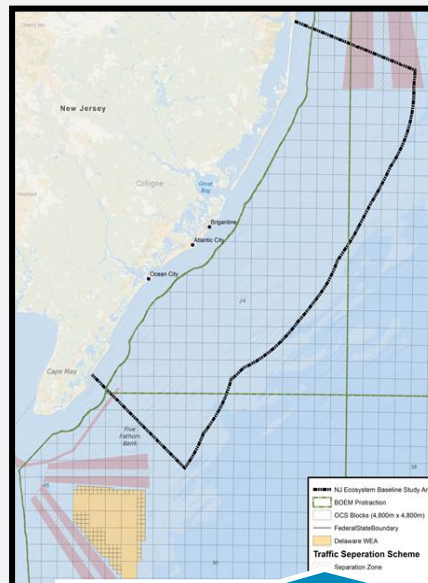
New Jersey Ecosystem Baseline Study



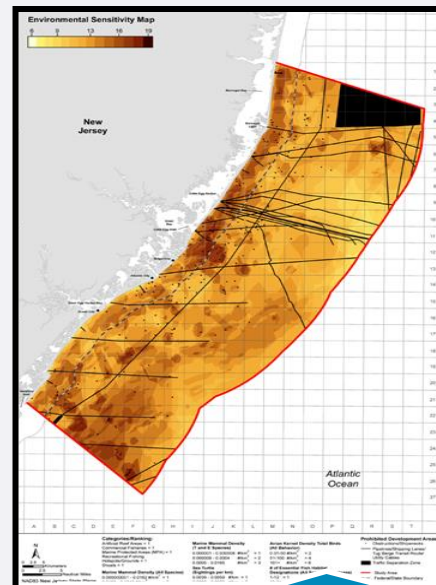
24 Month Effort
(2008-2009)



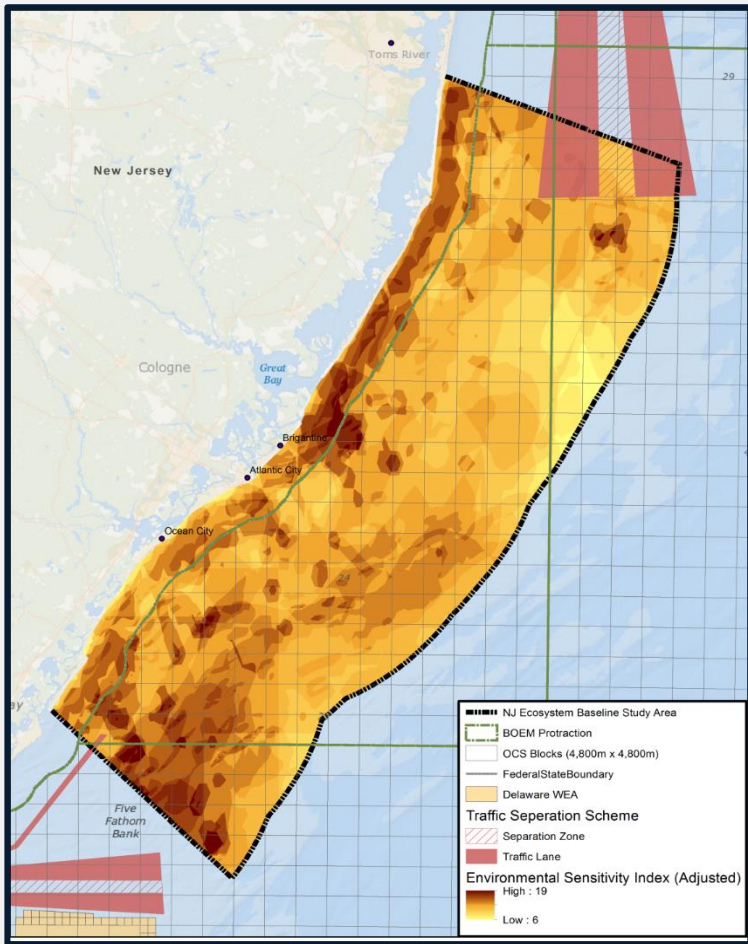
Feasible Water
Depth



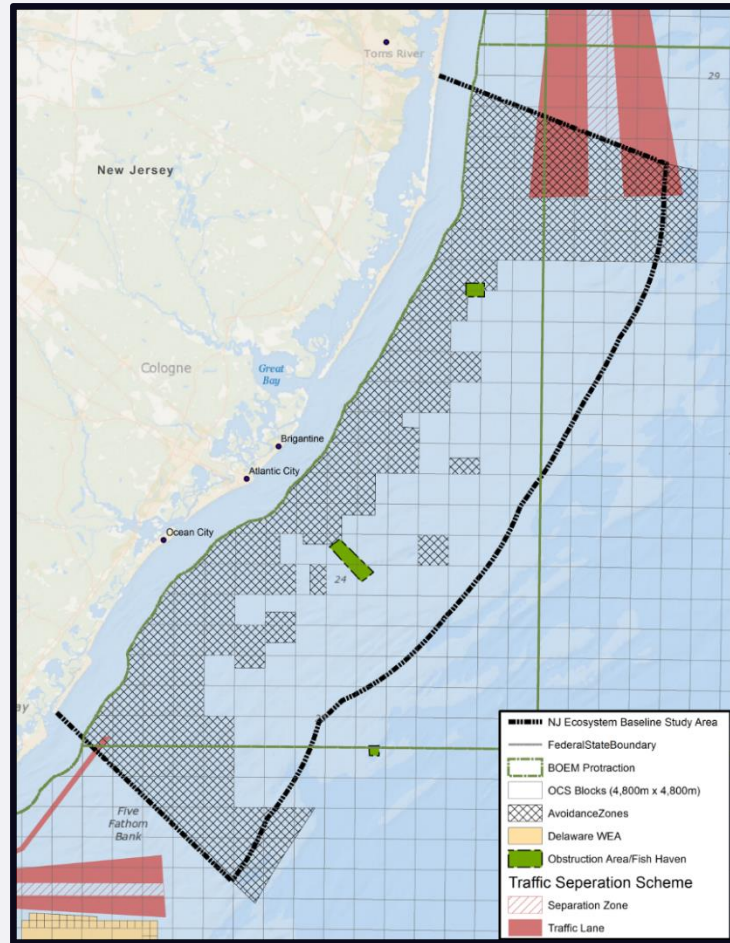
OCS Block
Integration



Environmental
Sensitivity Index

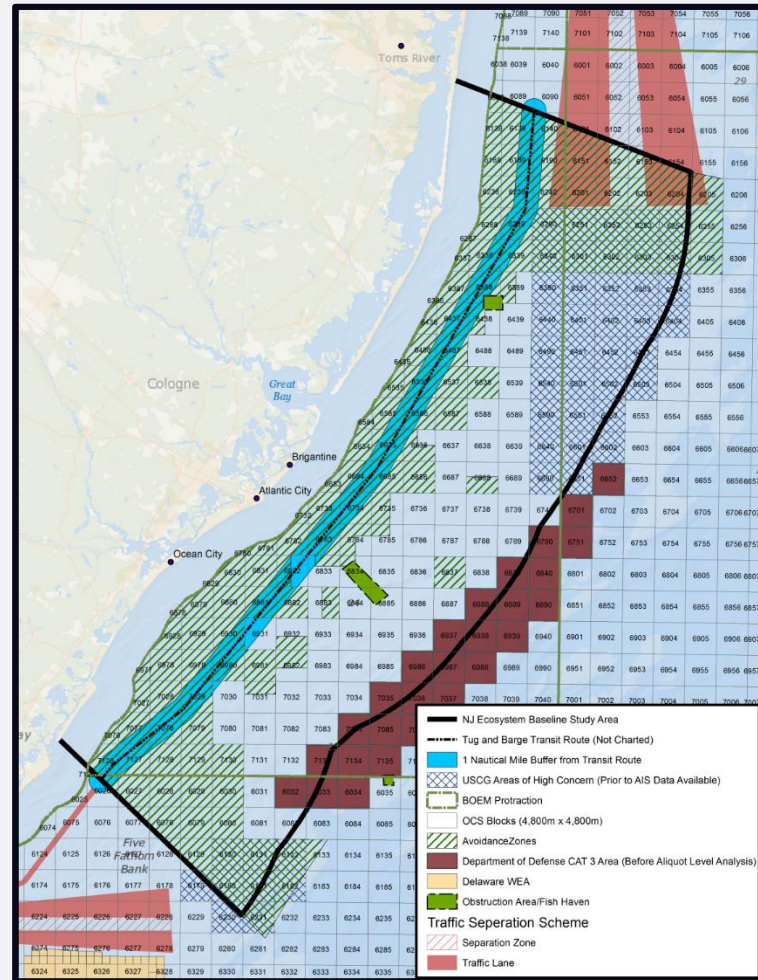


Environmental Sensitivity Index (ESI)

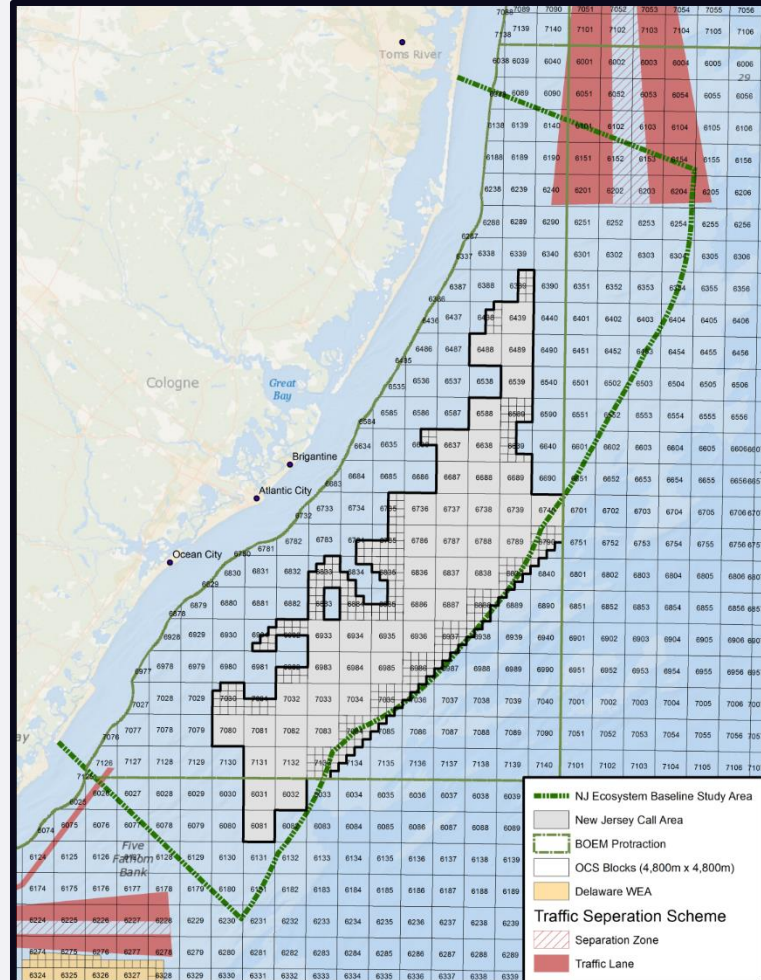


Avoidance Areas

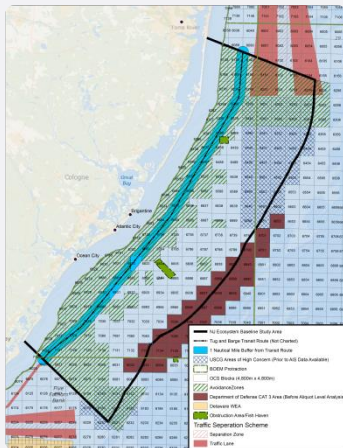
Major Environmental and Multiple Use Conflicts



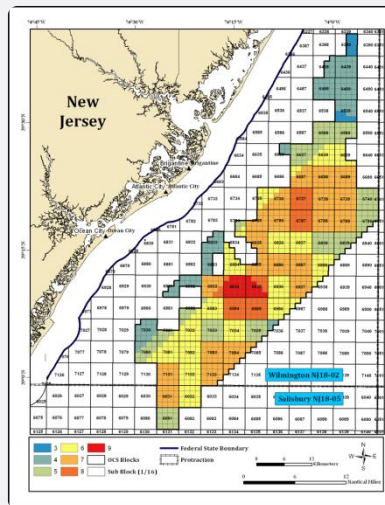
New Jersey Call Area



2009



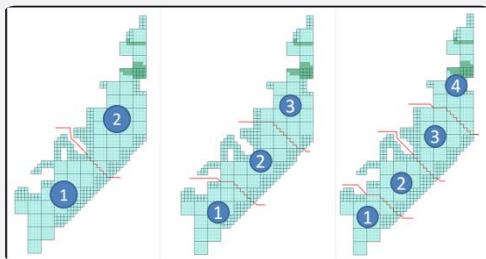
APRIL 2011



New Jersey Call For Information and Nominations

BOEM received 11 nominations of interest with varying interest in specific areas (e.g. OCS blocks).

OCTOBER 2013



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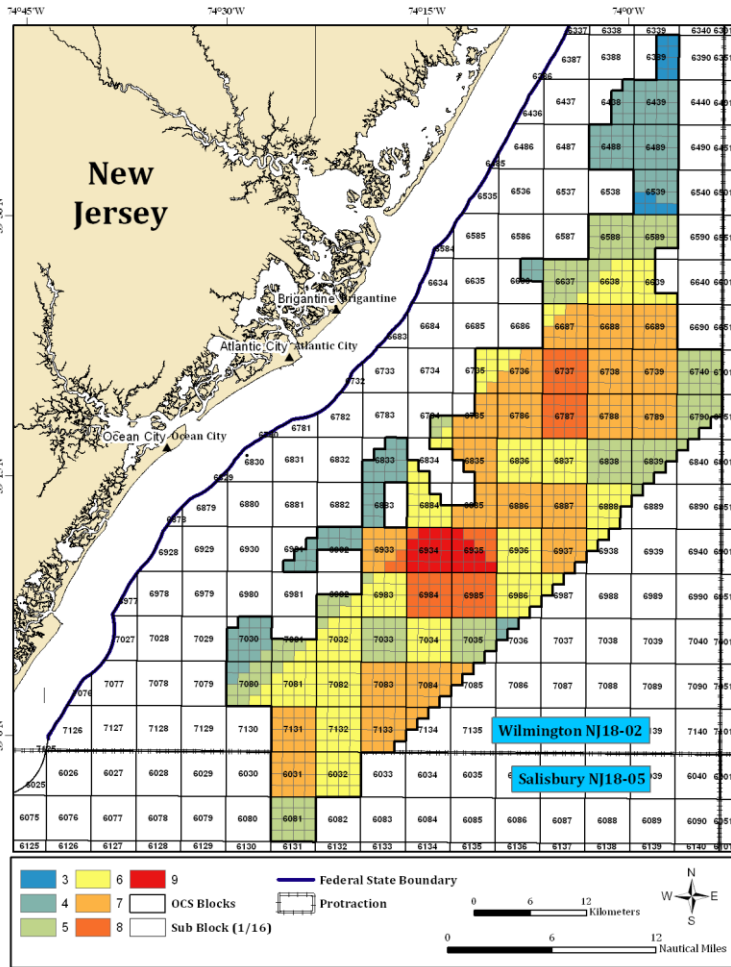
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New Jersey Call For Information

Vessel Traffic Concerns

Commercial Fisheries Concerns

11 Nominations of Interest



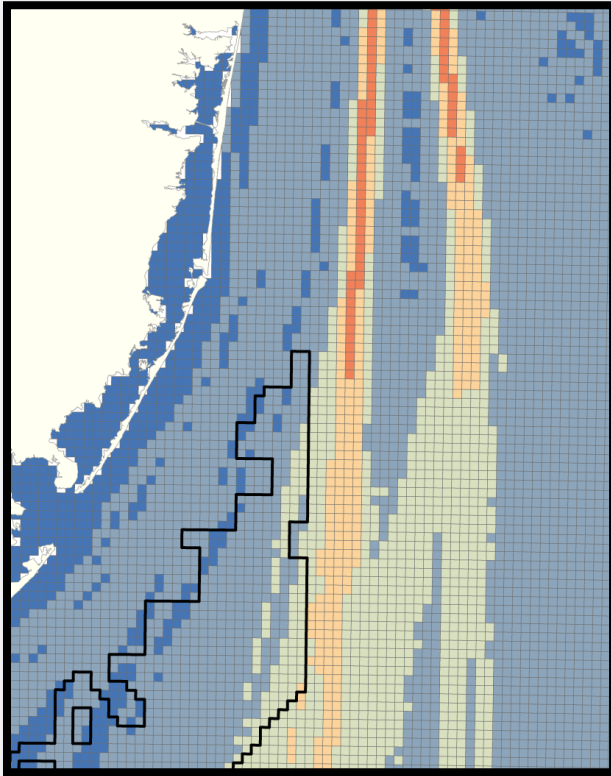
OffshoreMW



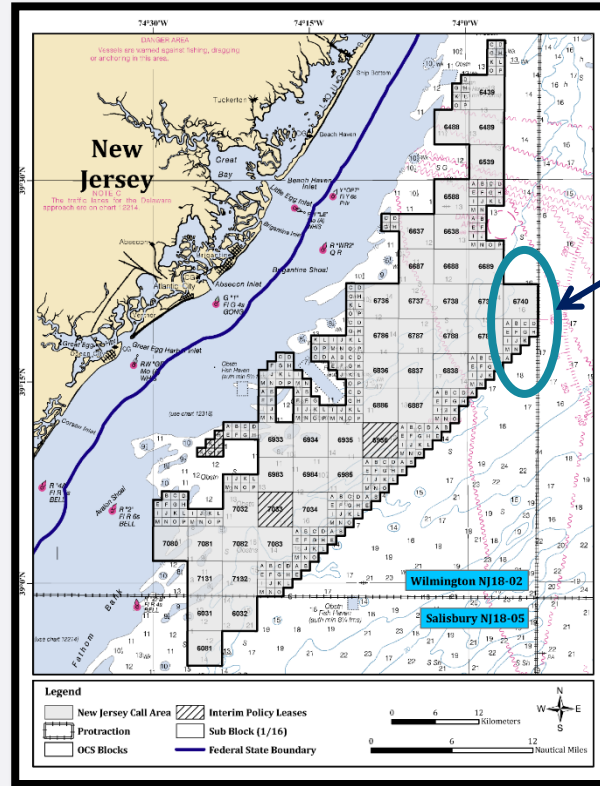
Neptune Wind LLC

US Wind Inc

New Jersey Area Modification

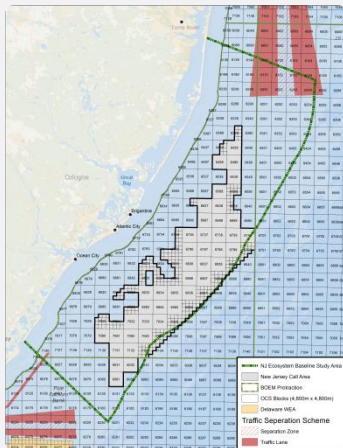


2010 Cargo Vessels Only

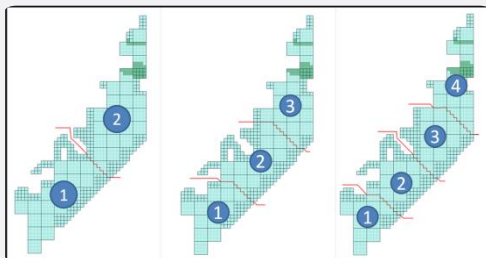


Aliquots removed due to navigation concerns

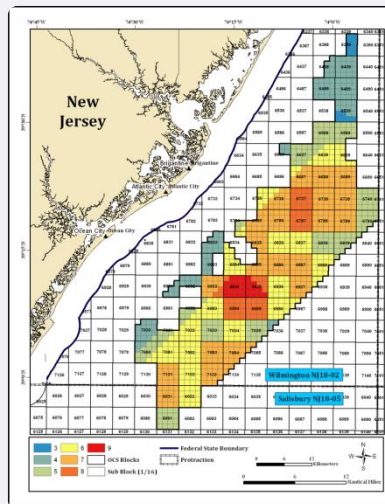
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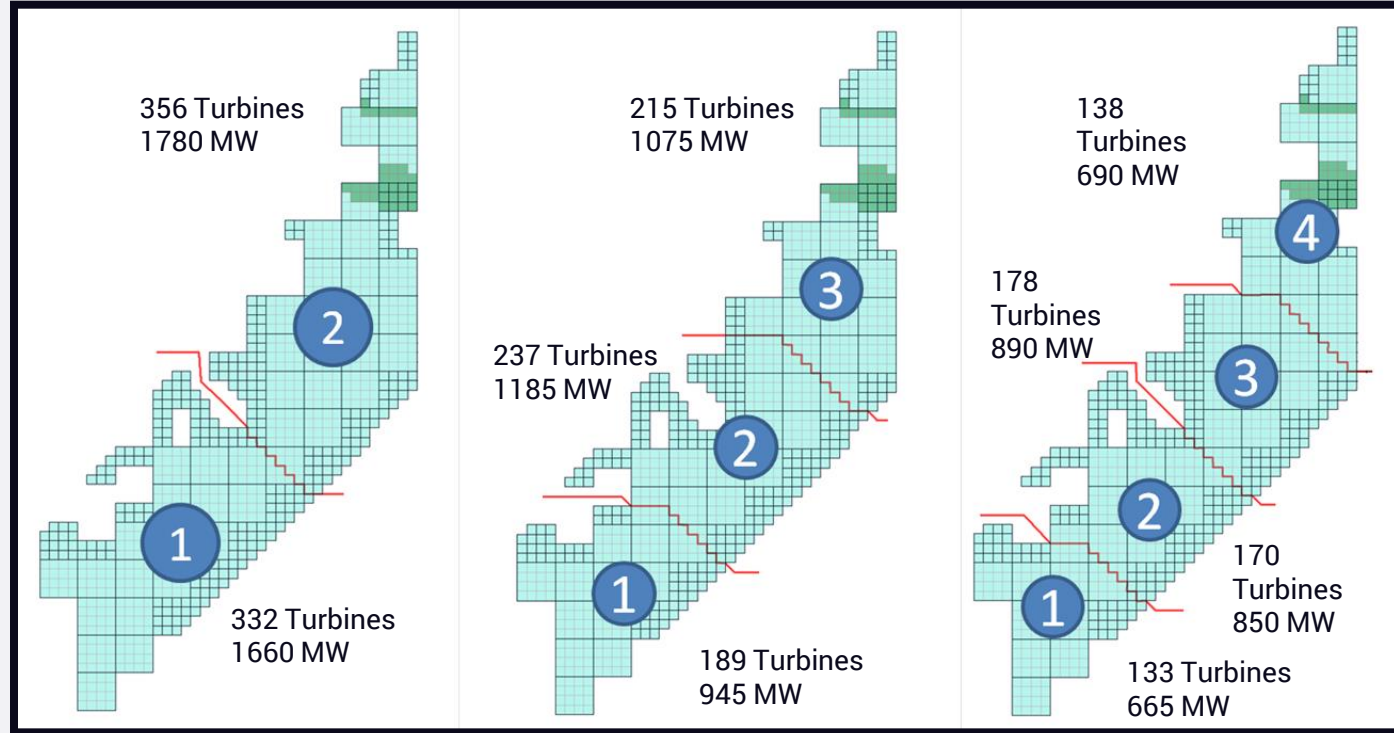
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Zone Delineations Considered

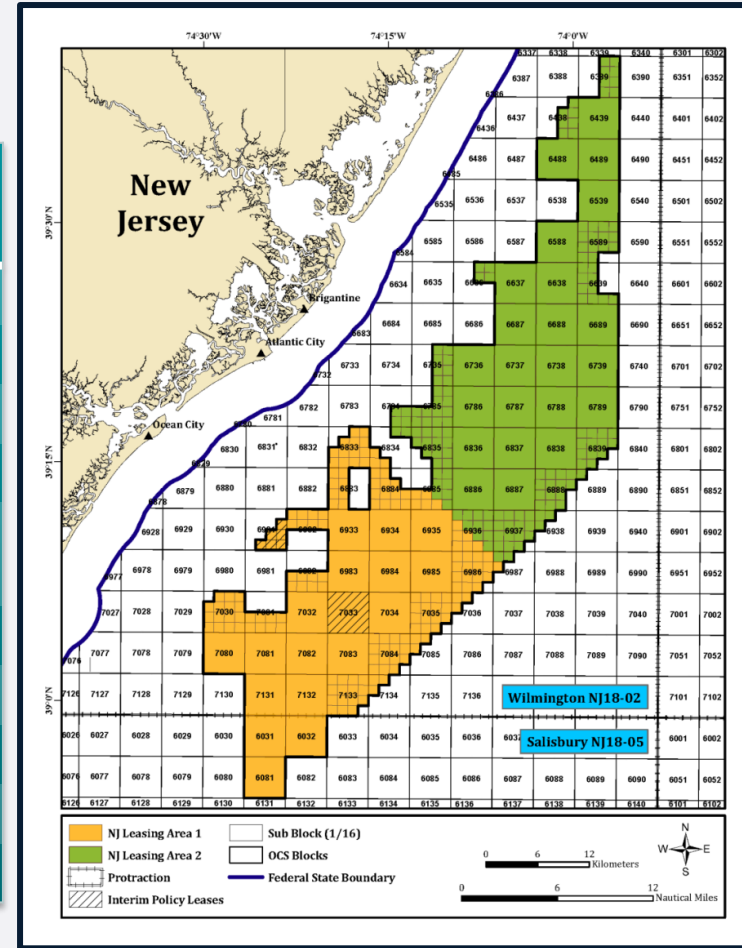


All calculations assume 10D x 12D spacing and a 5 MW wind turbine with a 126 m diameter rotor

Areas Included in the Proposed Sale Notice

Parameter	Leasing Area (OCS-A 0498)	Leasing Area (OCS-A 0499)
Total Acres (1,000)	160.48	183.353
OCS Blocks	28.1875	32.1875
Average Depth	24	25
Bathymetry Range (m)	16-38	17-34
Average Wind Speed at 90 m (m/s)	8.4	8.6
Gross Capacity Factor (%)	45.4	46.5
Potential Capacity (MW)	1,660	1,780
Lease Terms (yr)	1/5/25	1/5/25
Operating Fee Rate (%)	2	2
Rental Rate (\$/acre)	3	3

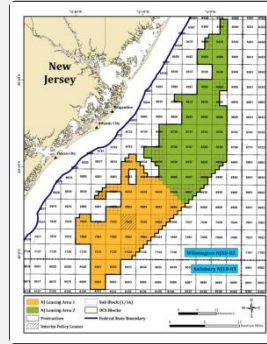
Source: NREL



Published Proposed Sale (PSN) Notice for Atlantic Wind Lease Sale Five (ATLW-5)

- Eastern blocks (elbow) removed to alleviate navigational concerns prior to publishing the PSN.
- Two new qualification packages received.

JUNE 2014



SEPTEMBER 2015



Published Final Sale Notice (FSN) for ATLW-5

- Ascending clock auction with a multifactor variable.
- %20 discount for either a Power Purchase Agreement or OREC order.
- Bidder eligibility limitation

NOVEMBER 2015

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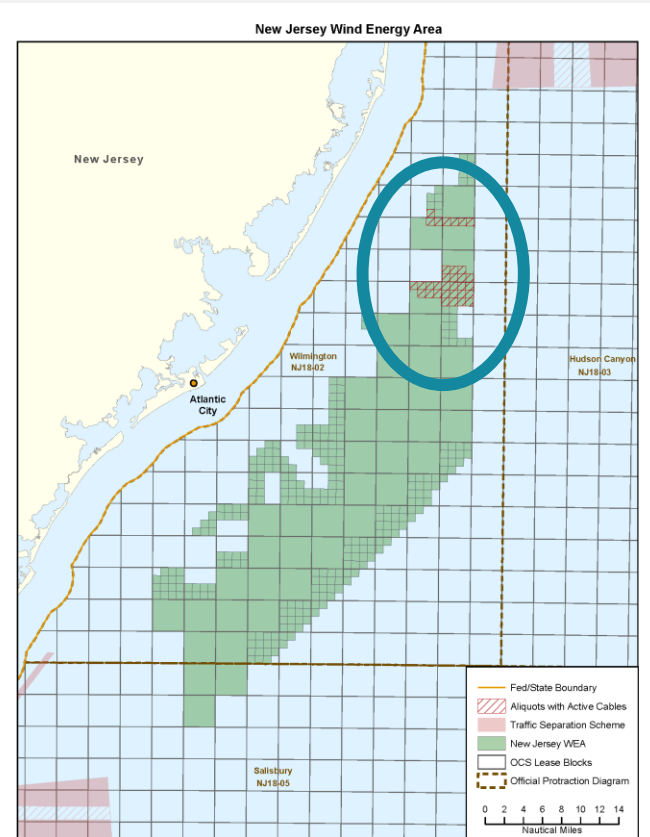
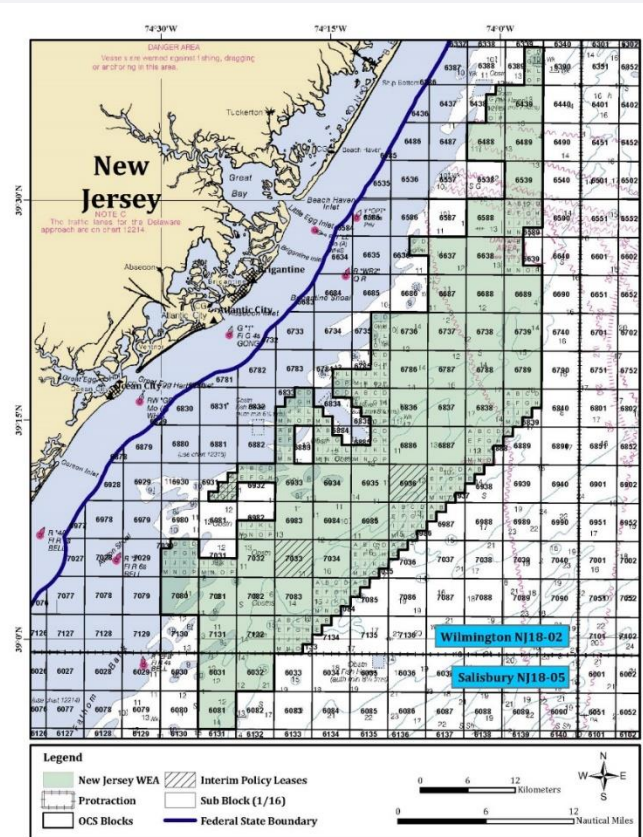
- 3 Bidders participated
- 7 rounds.
- OCS-A 0498 sold for \$880,715
- OCS-A 0499 sold for \$1,006,240.



ATLANTIC SHORES
offshore wind



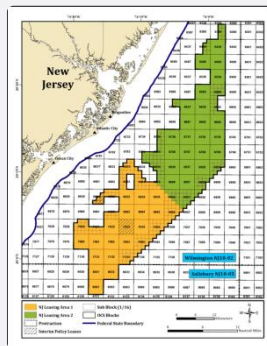
Existing Subsea Telecom Cables within OCS-A 0499



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ATLANTIC SHORES
offshore wind



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