



Overview of the BOEM National Sand Inventory Initiative and the Atlantic Sand Assessment Project (ASAP)

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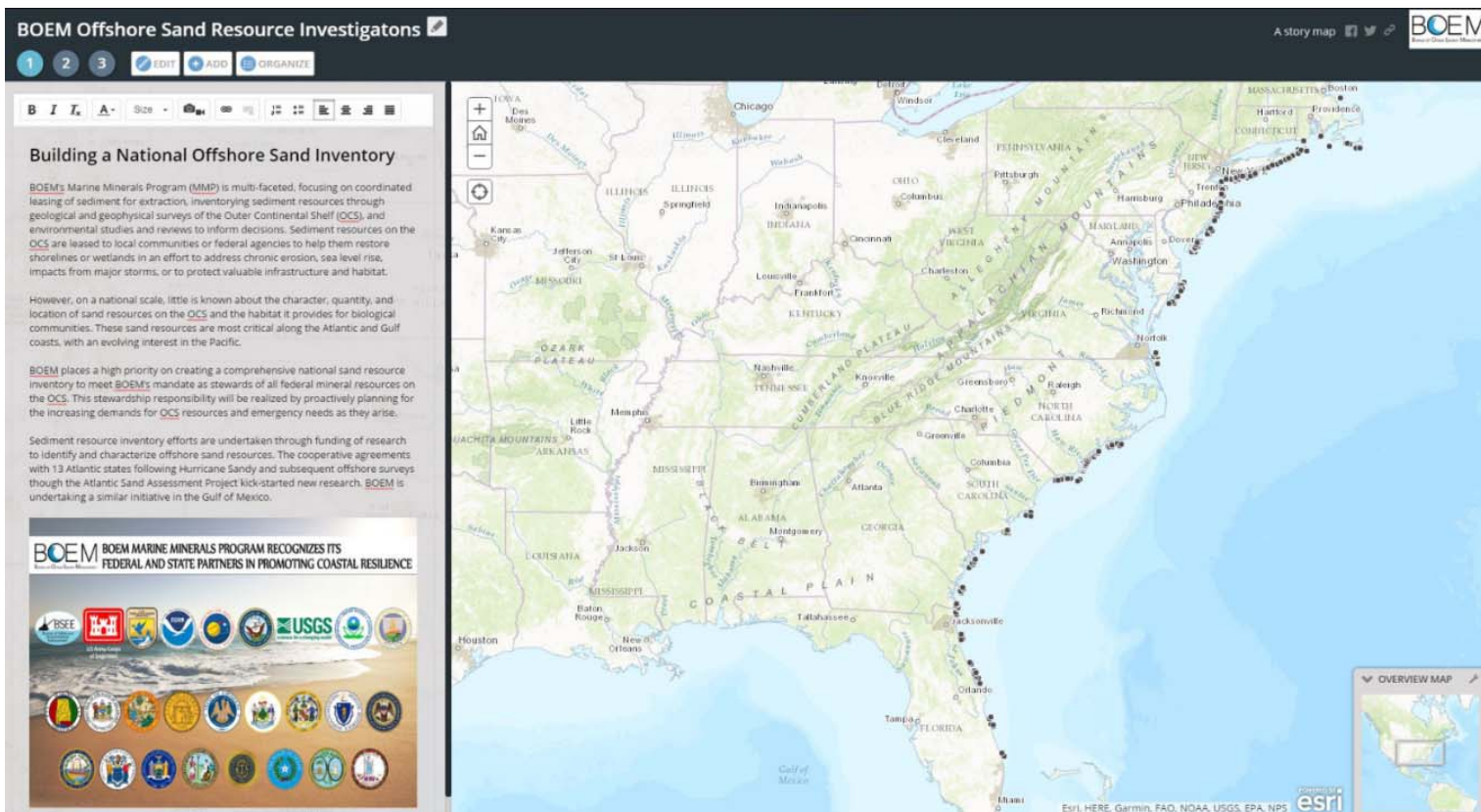
Leasing Division

Office of Strategic Resources (OSR)

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1. Proactively plan for the increasing demands for OCS resources
2. Help communities meet longer-term needs, while maximizing the lifecycle of these resources.
3. Initiate and direct early and ongoing engagement.
4. Identify environmental studies for maximum benefit and understanding
5. Coordinate with state and federal agencies



BOEM Offshore Sand Resource Investigator

1 2 3 EDIT ADD ORGANIZE

Building a National Offshore Sand Inventory

BOEM's Marine Minerals Program (MMP) is multi-faceted, focusing on coordinated leasing of sediment for extraction, inventorying sediment resources through geological and geophysical surveys of the Outer Continental Shelf (OCS), and environmental studies and reviews to inform decisions. Sediment resources on the OCS are leased to local communities or federal agencies to help them restore shorelines or wetlands in an effort to address chronic erosion, sea level rise, impacts from major storms, or to protect valuable infrastructure and habitat.

However, on a national scale, little is known about the character, quantity, and location of sand resources on the OCS and the habitat it provides for biological communities. These sand resources are most critical along the Atlantic and Gulf coasts, with an evolving interest in the Pacific.

BOEM places a high priority on creating a comprehensive national sand resource inventory to meet BOEM's mandate as stewards of all federal mineral resources on the OCS. This stewardship responsibility will be realized by proactively planning for the increasing demands for OCS resources and emergency needs as they arise.

Sediment resource inventory efforts are undertaken through funding of research to identify and characterize offshore sand resources. The cooperative agreements with 13 Atlantic states following Hurricane Sandy and subsequent offshore surveys through the Atlantic Sand Assessment Project kick-started new research. BOEM is undertaking a similar initiative in the Gulf of Mexico.

BOEM MARINE MINERALS PROGRAM RECOGNIZES ITS FEDERAL AND STATE PARTNERS IN PROMOTING COASTAL RESILIENCE

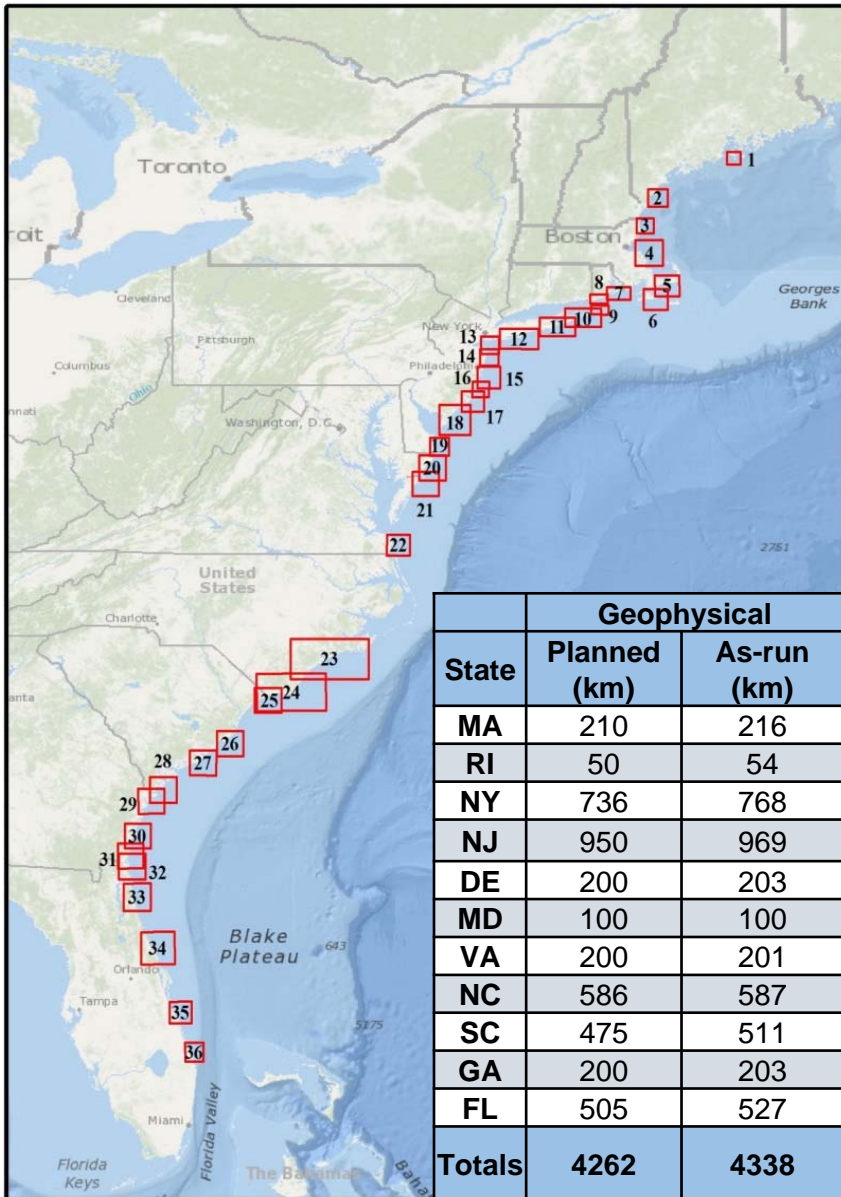
Logos for: BOEM, BOEM Marine Minerals Program, USGS, and various state and federal agencies.

Map labels include: IOWA, MISSOURI, ARKANSAS, MISSISSIPPI, LOUISIANA, ALABAMA, MISSISSIPPI, GEORGIA, SOUTH CAROLINA, NORTH CAROLINA, VIRGINIA, WEST VIRGINIA, OHIO, PENNSYLVANIA, NEW JERSEY, NEW YORK, CONNECTICUT, MASSACHUSETTS, RHODE ISLAND, VERMONT, NEW HAMPSHIRE, MAINE, NEW BRUNSWICK, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, ALABAMA, MISSISSIPPI, ARKANSAS, MISSOURI, IOWA, KANSAS, OKLAHOMA, TEXAS, LOUISIANA, MISSISSIPPI, ALABAMA, MISSISSIPPI, GEORGIA, SOUTH CAROLINA, NORTH CAROLINA, VIRGINIA, WEST VIRGINIA, OHIO, PENNSYLVANIA, NEW JERSEY, NEW YORK, CONNECTICUT, MASSACHUSETTS, RHODE ISLAND, VERMONT, NEW HAMPSHIRE, MAINE.

Map features: Overview map, Esri HERE, Garmin, FAO, NOAA, USGS, EPA, NPS.



Atlantic Sand Assessment Project (ASAP)



State	Geologic		
	Vibracores	Surface Samples	Total Samples
MA	7	7	14
RI	6	4	10
NY	31	18	49
NJ	32	20	52
DE	5	3	8
MD	5	3	8
VA	6	4	10
NC	23	14	37
SC	19	11	30
GA	7	5	12
FL	19	11	30
Totals	160	100	260



Vibracore



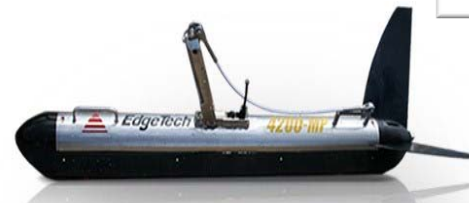
Sub-Bottom



Bathymetry and Backscatter



Magnetometer



Sidescan Sonar



- Round 1 (completed 2016) – 13 states
 - ✓ Evaluated existing offshore data
 - ✓ Identified data gaps/priority areas for ASAP
 - ✓ Assessed future sand needs
 - ✓ Facilitated public accessibility of data
- Round 2 (began 2016) – 13 states
 - ✓ Evaluate ASAP data and ID potential sources

