

A wide-angle photograph of a coastal landscape. In the foreground, there are sandy dunes covered with clumps of green and brown beach grasses. A path of sand leads from the dunes towards the ocean. The ocean is visible in the middle ground, with white-capped waves breaking onto a sandy beach. The sky is a pale, overcast blue. The entire image is framed with rounded corners.

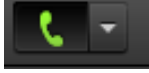



Florida Sand Management Working Group

May 7, 2014
10 a.m. to 12 p.m.

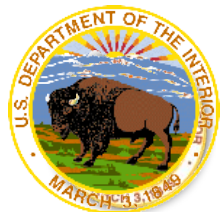
Introductions



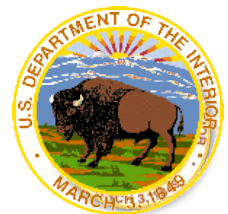
Webinar Groundrules

- Please select *6 or the mute button to mute your audio to the phone
 
- **Please do not put the line on hold!**
- Click the “raise hand” icon in the top of the webinar window to enter the discussion queue; click again to lower your hand after speaking

- You can also share questions using the chat pod in the bottom left of the webinar window
- Click the “full screen” button – top right of the presentation pod – to make the presentation bigger


This call will be recorded for those unable to attend.



Time	Discussion Topic
10:00	Welcome and Introductions
10:15	Obtaining an Agreement for OCS Sand: Terms and Conditions
10:45	Geological and Geophysical Authorization Informational Session
11:00	Regional Sand Agreement Update
11:15	Hurricane Sandy Cooperative Agreements Update
11:30	FY 2015 Proposed Studies
11:55	Wrap Up and Next Steps
12:00	Adjourn



- Delve into Agreement process and terms
- Discuss geophysical and geological authorizations process (addressing comment at previous meeting)
- Discuss approach and potential process for a regional agreement
- Present history and status of Cooperative Agreements
- Discuss Studies proposed for FY 2015

Key Outcomes

- Provide updates on BOEM activities
- Obtain feedback on projects and process
- Determine topics of discussion for next meeting



Obtaining an Agreement for OCS Sand: Terms and Conditions

Jenn Rose

Geologist

Marine Minerals Program



Types of Agreements for Sand

Agreement Type	Parties	Type of USACE Project	Example
2-Party Lease	Local/county/state government and BOEM	Regulatory	Long Boat Key
2-Party MOA	Federal agency and BOEM	Regulatory or Civil Works	PAFB
3-Party MOA	USACE, locality, and BOEM	Civil Works	Most projects; Brevard County

**Potential for multi-party agreements (regional agreement)



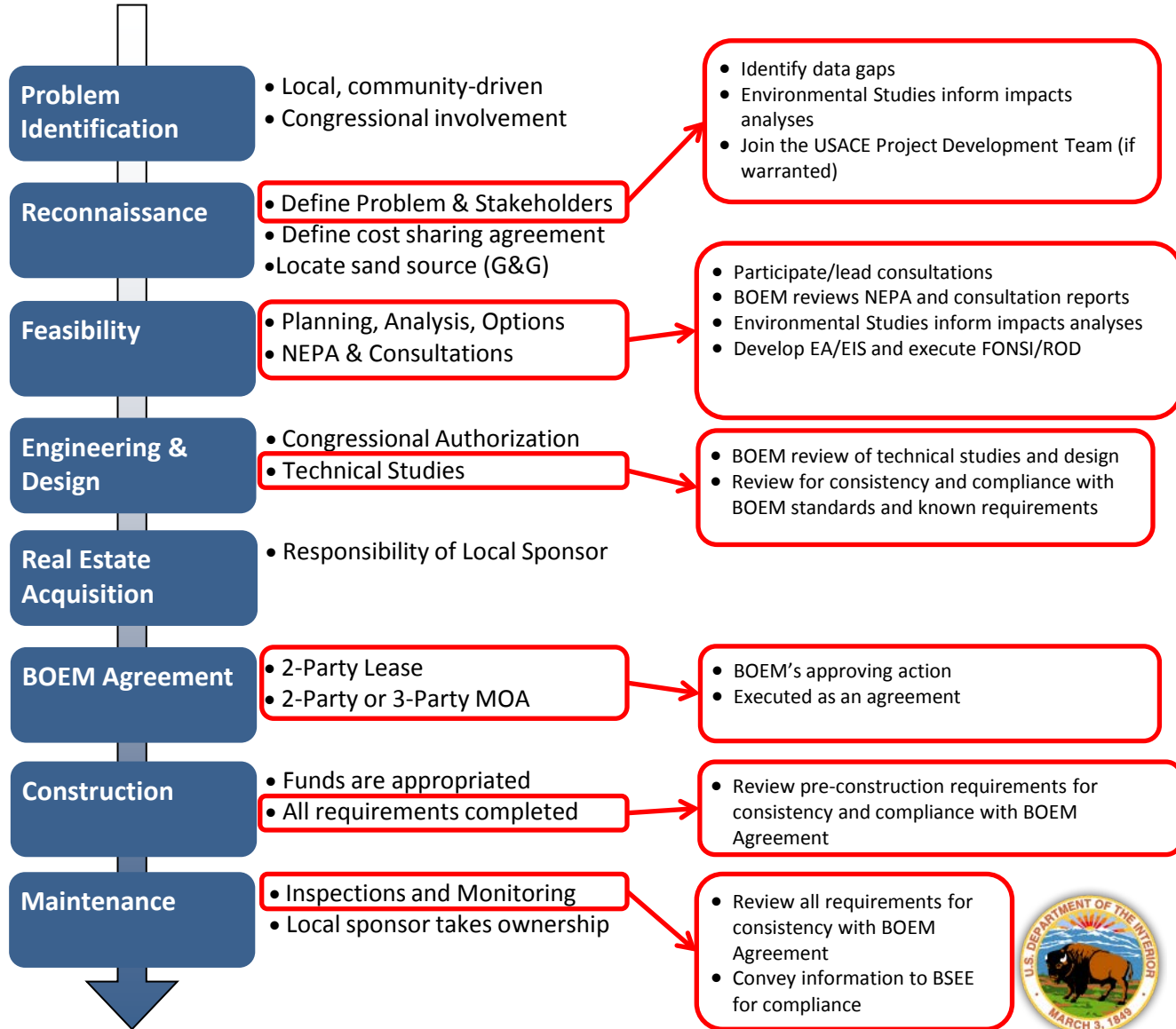
Complete Leasing Process

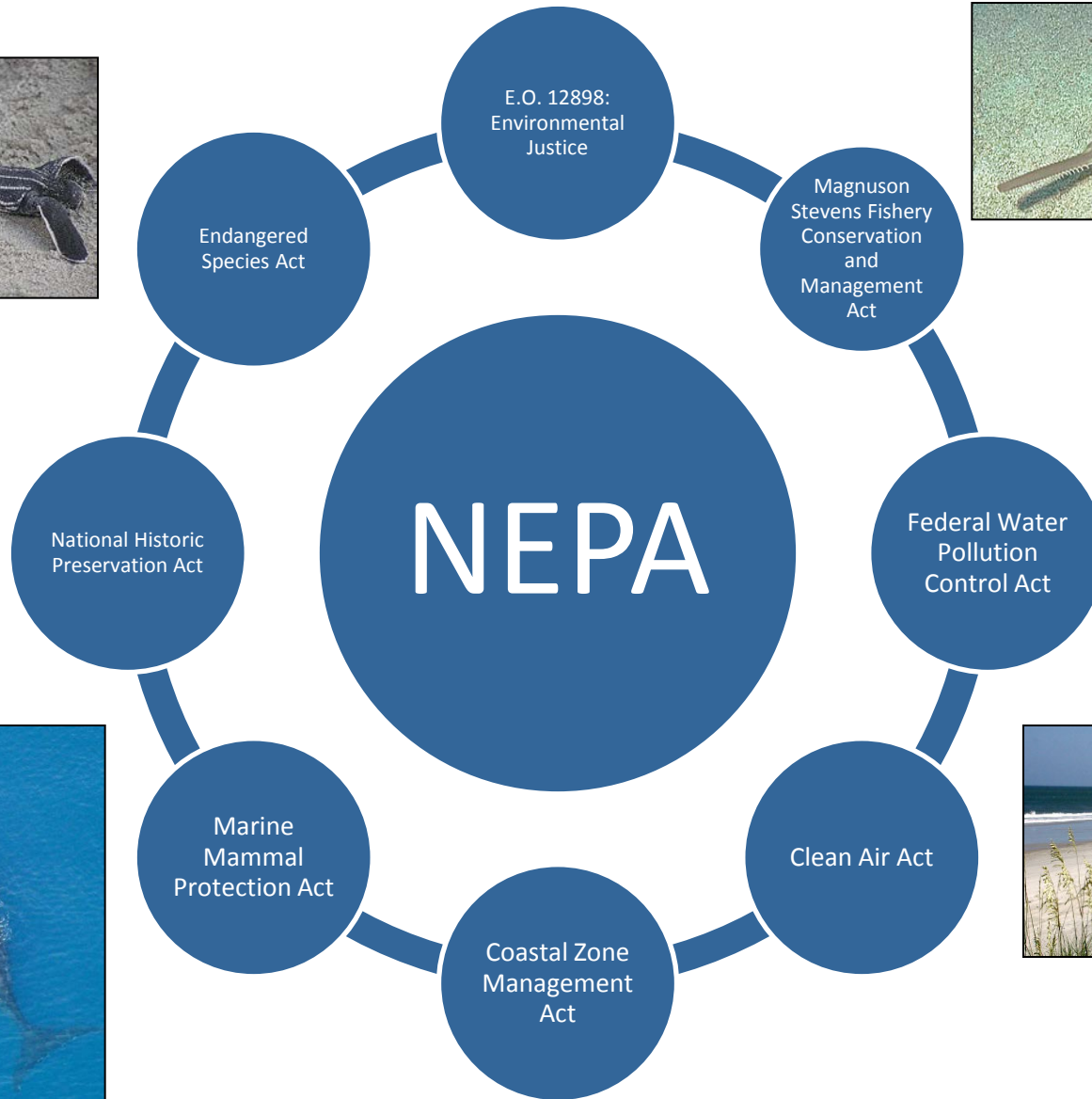
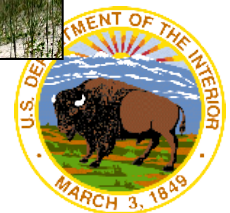
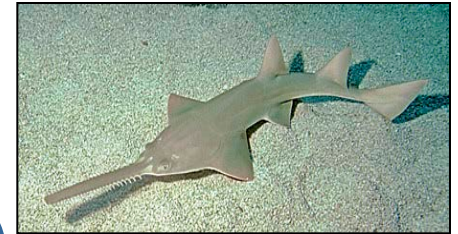


Before



After

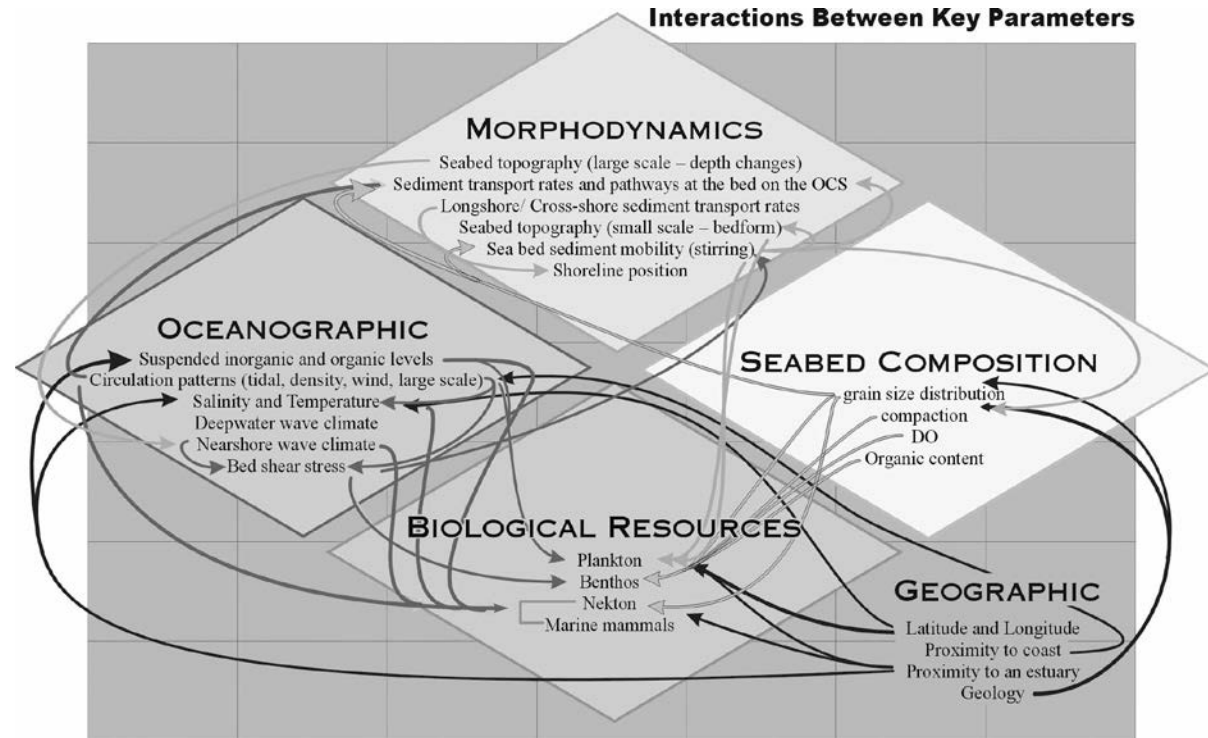




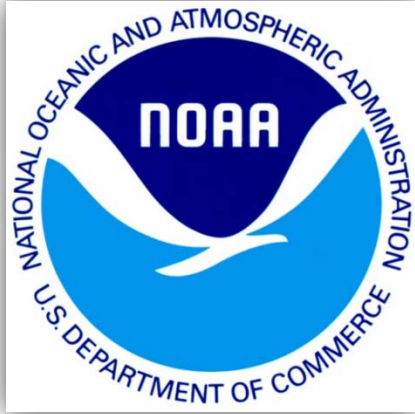
- Physical Environment
 - Hydrodynamics, sediment transport
 - Geomorphology
 - Water/air quality
 - Noise

- Biological Environment
 - Benthic and fish species and habitat
 - T&E Species

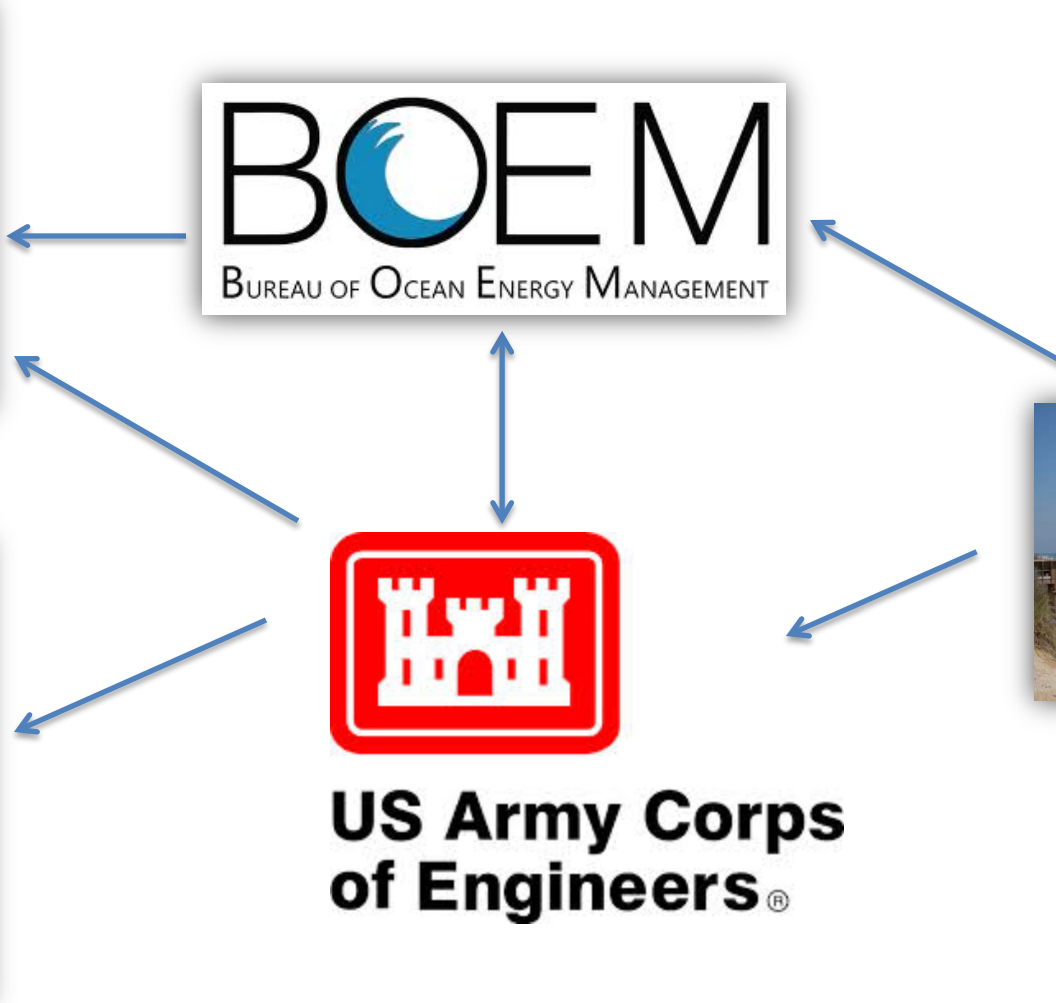
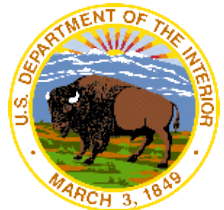
- Socioeconomic Environment
 - Archeological/cultural resources
 - Recreation and tourism
 - Fishing, navigation, and energy



For the Endangered Species Act (ESA)

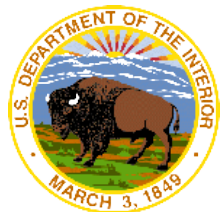


**US Army Corps
of Engineers®**



In addition to monitoring/mitigation requirements:

- Pre- and post- construction notification
- Dredge positioning and operation (GPS, DQM, AIS)
- Production and Volume info (emissions)
- Local Notice to Mariners
- Marine Pollution Control/Contingency Plan
- Discovery of ordnance procedures
- Pre- and post-bathymetric surveys
- Arch resources—unanticipated discovery
- Project Completion Report



Requirement	Purpose
Project POCs	Project management
Project summary, final as-builts	Project management, NEPA validation
Project costs	Annual reporting on economic implications from permitting
Construction sequencing and equipment	Validate/inform NEPA
Construction change orders	Ensure NEPA/Agreement compliance
Critical project dates	Project management



Florida OCS Projects

Project	Volume (cy ³)	Lease Expiration	Type of Project	EA/EIS	ROD/FONSI	Response Ltr Sent	Kick-off Mtg Held	MOA Execution	Construction Status	Deliverables Received
Patrick Air Force Base, FL	350,000	Jan-15	2-Party MOA/EA/FONSI	Yes	Yes	Yes	Yes	Yes	Not Begun	No
Duval County, FL	TBD	TBD	3-Party MOA/EA/FONSI	No	No	No	No	No	Not Begun	No
Brevard County (North Reach), FL	1,055,000	Jul-15	3-Party MOA/EA/FONSI	Yes	Yes	Yes	Yes	Yes	Completed	In progress
Brevard County (South Reach), FL	585,000	Jul-15	3-Party MOA/EA/FONSI	Yes	Yes	Yes	Yes	Yes	Completed	In progress
Brevard County (Mid-Reach), FL	900,000	TBD	3-Party MOA/EIS/ROD	In progress	In progress	No	No	No	Not Begun	No
Collier County, FL	1,000,000	TBD	2-Party Lease/EA/FONSI	Yes	Yes	Yes	Yes	In progress	Not Begun	No
Flagler County, FL	415,800	TBD	3-Party MOA/EA/FONSI	In progress	In progress	No	No	No	Not Begun	No
Longboat Key, FL (amendment)	466,500	Oct-14	2-Party Lease/EA/FONSI	Yes	Yes	Yes	No	No	Not Begun	No
Miami-Dade, FL	TBD	TBD	3-Party MOA/EA/FONSI	In progress	In progress	No	No	No	Not Begun	No



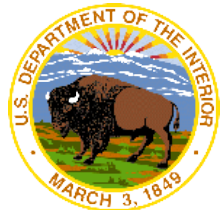
1. Are the process and terms of a lease clear?
2. Do you have questions about the current status of Agreements?



Geological and Geophysical Authorization Informational Session

Geoffrey Wikel
Geologist

Division of Environmental Assessment



- Federal Agencies and their contractor(s) exempt
- Site-specific Environmental Assessments prepared by BOEM for G&G activities

Effects of Concern:

- Geological: bottom-disturbing effects on benthic and archaeological resources, vessel strike risk to marine mammals
- Geophysical : vessel strike risk to and noise effects on marine mammals and sea turtles



Go to: <http://www.boem.gov/boem-ocs-operation-forms/>

BOEM FORM 0134: **Application** for **Geological & Geophysical** Prospecting or Scientific Research in the OCS Related to Minerals Other than Oil, Gas, and Sulphur

BOEM FORM 0135: **Authorization for Geophysical** Prospecting for Mineral Resources or Scientific Research on the OCS Related to Minerals Other than Oil, Gas, and Sulphur

BOEM FORM 0136: **Authorization for Geological** Prospecting for Mineral Resources or Scientific Research on the OCS Related to Minerals Other than Oil, Gas, and Sulphur



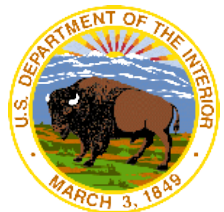
BOEM Form 134: Complete & Submit 4 Application forms; one original (with an original signature) and 3 copies. (If applying for G&G simultaneously, submit 2 forms, one for each.

BOEM Form 135 and/or 136: Complete & Submit 4 Authorization forms; one original (with an original signature) and 3 copies.

As appropriate, applicants must apply for CZM consistency concurrence.



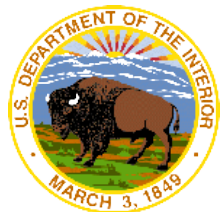
- Brief progress reports submitted every 60 days along with an time extension request. They can be submitted together or submitted separately.
- Final report must be submitted within 30 days of completion of activities. This report should include a description of work performed along with maps and digital navigation data showing what work was completed and its location.
 - Just a brief report that demonstrates work completed matches what was originally described in application
- BOEM may request copies of any or all of the data acquired in Federal waters (seggy files, core logs, core photos, grain size analysis results, etc.)



- **Engage BOEM Marine Minerals Program early**
- Include a detailed **narrative with plots or figures** (including instrument types, source level and frequency, anchor plans).
- Analyze geophysical surveys to **avoid coring of sensitive seafloor hardbottom habitat.**
- **Obtain marine archeologist consent on core locations** based on geophysics if conducting G&G simultaneously (magnetometer and sss)
- **Use sound sources that operate at > 200 kHz** (outside of the hearing range of marine life) (e.g., 500 kHz sidescan instead of 100 kHz)
- **Check for suggested T&E species mitigation** from regional/local Biological Opinions and MMPA authorizations and proactively **implement as appropriate.**



Do you have any clarifying questions about the G&G authorization process?



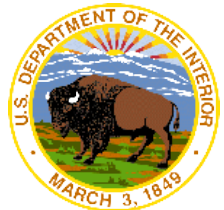
Regional Sand Agreement Update

Jenn Rose

Geologist

Marine Minerals Program,

Leasing Division



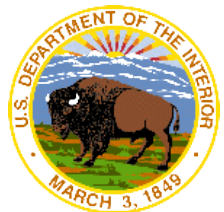
Purpose:

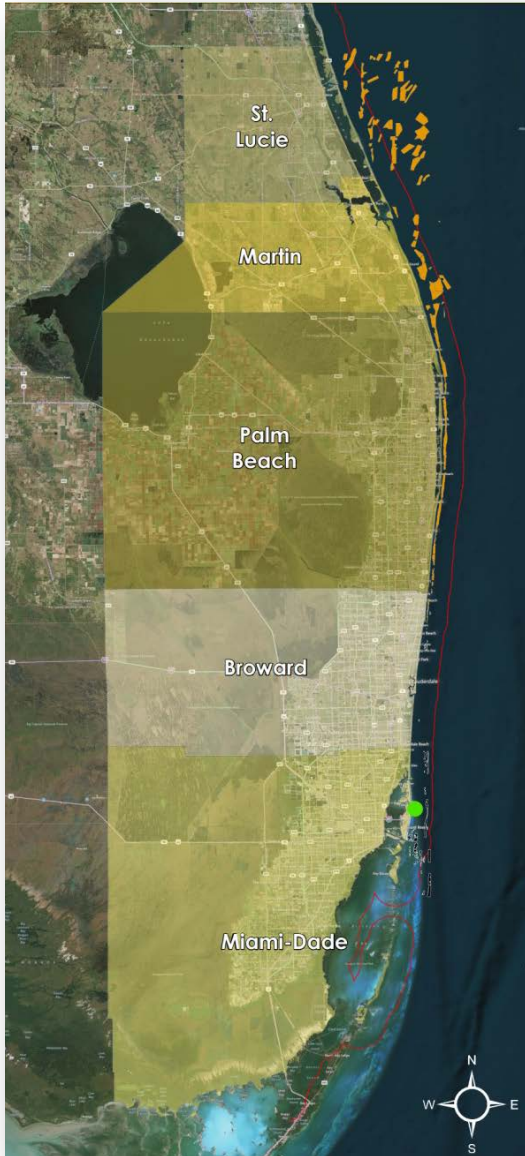
- Regional management
- State identifies/prioritizes needs
- Streamline NEPA/consultations
- Streamline leasing process



NEPA and consultations

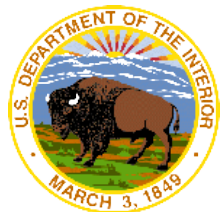
- Programmatic NEPA/consultations (extended)
- Scoping meetings
- Cultural/archeological resource surveys





Agreement:

- MOA involving BOEM, USACE, FDEP, and counties
 - Project-specific addenda
 - Sponsor maintains responsibility
- Extended agreement length

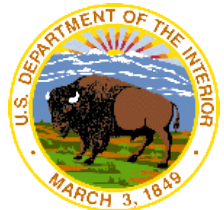


1. Do you have any questions or input on the regional leasing/NEPA process?
2. Do you have any concerns with this approach?



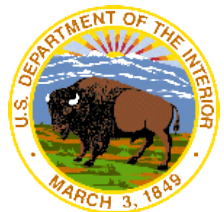
Hurricane Sandy Cooperative Agreements Update

Jeff Waldner
Geologist
Marine Minerals Program,
Leasing Division



MMP History of State Cooperative Agreements

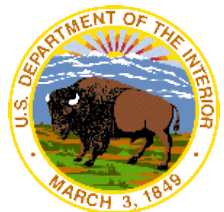
- MMS is approached by Alabama, Louisiana, New Jersey, Delaware, Maryland, and Virginia in the early 1990s about jointly characterizing OCS sand deposits just beyond the 3-mile limit
- MMS is able to secure funding for a cooperative sand program
- State Coop Sand Program formed in 1992



MMP History of State Cooperative Agreements: Additional States Join Program

- North Carolina (1993)
- Florida (1994)
- South Carolina (1994)
- Texas (1999)
- California (2003)
- Maine (2003)
- Massachusetts (2003)
- New Hampshire (2004)

Agreements end in mid-late 2000's due to lack of funding



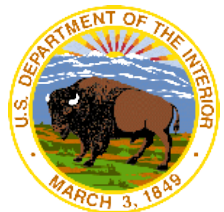
Hurricane Sandy

Coastal Recovery and Resiliency

- Negotiated Cooperative Agreements planned with 13 Atlantic Coastal States
 - State Geological Surveys & associated institutions
 - State Agencies
 - Update on the status of Florida's Coop



1. Develop a database of existing geologic and geophysical data
2. Determine states' need for sand
3. Compile and analyze existing sand resources data
4. Identify data gap areas where future information needs to be collected

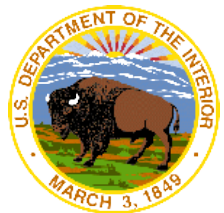


1. Increased availability of existing data
2. Needs Assessments for states, region, and East Coast
3. Collaborative web tools for state and Federal governments
4. Identification of data gaps for future surveys
5. Increased communication between Federal and state stakeholders



Discussion Questions

Do you have any questions regarding the cooperative agreements or their approach?



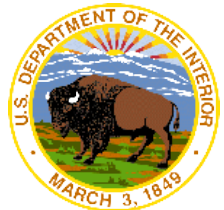
FY 2015 Proposed Studies

Doug Piatkowski

Biologist

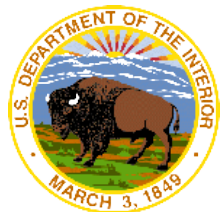
Marine Minerals Program,

Division of Environmental Assessment



Process and Timeline: Studies Development Program

- Presentations next week (May 13, 2014)
- Decision on funding studies ~ September 2014
- Procurement starts; awards in ~ March – September 2015



- Ecological Function and Recovery of Biological Communities within Dredged Ridge-Swale Habitats in the South-Atlantic Bight (request to continue study)
- Managing Dredge Impacts by Optimizing the Use of Sand Resources
- Sediment Sorting During Coastal Restoration Projects: Implications for Resource Management, Environmental Impacts, and Multiple Use Conflicts
- Development of a Decision Support Tool to Reduce Sea Turtle Dredging Entrainment Risk



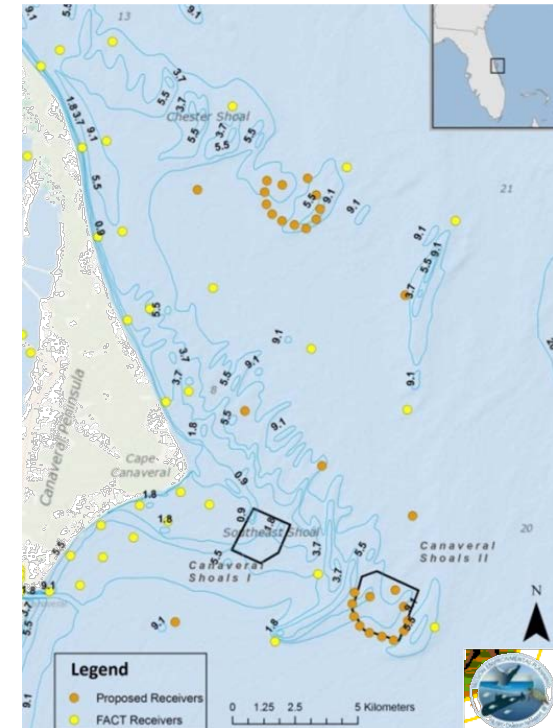
Photo credit: Blair Witherington,
Florida Fish and Wildlife Conservation Commission



Ecological Function and Recovery of Biological Communities w/in Dredged Ridge-Swale Habitats in South-Atlantic Bight

Concern: BOEM needs to observe prolonged biological, physical and chemical recovery of borrow areas to understand the importance of dredged habitats to benthos, fish, and trophic structure/bioenergetics

Proposed Study: Continue an existing two-year collaborative effort between BOEM, Navy, NASA, UF, and USACE to investigate the long-term recovery of benthic and fish communities following dredging of a borrow area offshore central Florida



Managing Dredge Impacts by Optimizing the Use of Sand Resources

Concern: OCS sand resources are finite and need to be carefully managed

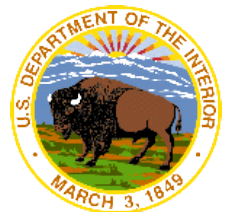
Proposed Study: Optimize borrow area use by integrating geological, engineering, economic, environmental, and dredge operation variables in a common analytical framework over relevant time horizons



Sediment Sorting During Coastal Restoration Projects: Implications for Resource Management, Environmental Impacts, and Multiple Use Conflicts

Concern: Extent of sediment sorting during dredging, handling, and placement processes

Proposed Study: Determine the percent of fine-grained losses during each phase of dredging, to better inform environmental trade-offs and impacts assessments



Development of a Decision Support Tool to Reduce Sea Turtle Dredging Entrainment Risk

Concern: Current required hopper dredging windows are based on water temperature, are conservative, and may increase costs unnecessarily.

Proposed Study: Develop a standardized decision support tool to assess project specific dredging entrainment risk and improve the effectiveness of mitigation planning decisions within federal marine mineral resource areas



1. Are there topics or concerns associated with the use of offshore borrow sites that you would like to see addressed through our studies?
2. Are there studies, data collections, or any other information sources that you think we may find useful?



- Lease process and terms
- G&G authorization process
- Opportunity to refine leasing process, and streamline NEPA and consultations through regional approach
- Coops being negotiated
- Studies for science-backed decisions



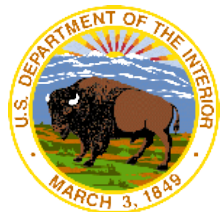
- In-Person Meeting before end of 2014
- Any suggestions or ideas for the next meeting?

BOEM MMP Website:

<http://www.boem.gov/Marine-Minerals-Program/>

Florida Sand Management Working Group Website:

<http://tech.kearnswest.com/boemsmwg/florida/>



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