

Information for Cooperative Agreement Award Document:

Title: Texas GLO Offshore Sediment Resources Inventory: G&G data collection and processing for identification of OCS minerals resources offshore of Central Texas

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Award Amount:

Total award amount = \$1,000,000

Section B. Statement of Objectives and Project Management Plan

B1. Objectives

The purpose of this award is to conduct research in topics that serve the public interest relating to offshore sand resources, coastal restoration and protection, and coastal resiliency, as well as meet the MMP and Gulf states' goal of a Gulf-wide OCS sediment inventory. Data collection in support of these goals promotes preservation of biological, cultural, and economic resources by rebuilding coastlines to safeguard the Nation's assets and delineates OCS mineral resources to inform long term planning and ensure protection from activities that might otherwise permanently obstruct access to the resource. This research will involve synthesis of existing OCS marine minerals data into a spatial database, new geophysical data collection and sediment core collection, data analysis, which will aide in estimating restoration-quality sand reserves offshore Texas.

Major Tasks:

1. Collect geophysical surveys, data processing, data interpretation, and final reporting efforts for the banks and some modeled shoals on the Texas Central Coast on the Federal OCS
2. Delineate (interpreted) sand-rich lithofacies in plan form (ESRI polygon shapefiles for GIS) and provide information on sediment textural properties, volumes of deposit, type of deposit, overburden thickness, percent sand, and other criteria agreed upon between BOEM and the GLO.
3. Identify data gaps or areas where further sampling (geophysical or geologic) is needed.
4. Integration of all newly acquired and/or analyzed data, interpretations, and other relevant products into a final BOEM-specified spatial database.

B2. Project Management Plan

The study will follow the Project Management/Staffing Plan, Data Analysis, and Data Management and Archiving plans as outlined in the recipient's revised proposal with additional points summarized below.

Post Award Meeting and Summary

Hold a Post Award Meeting with BOEM and PI at GLO or BOEM (teleconference or virtual meeting is an option) not later than one (1) month after award at a time that is mutually agreeable to BOEM and the Recipient. A draft action plan and meeting agenda will be provided by the Recipient one week prior to the meeting to allow for review by all involved. The Recipient will prepare and distribute the meeting minutes and a summary within one (1) week after adjourning the meeting. Any agreed to changes at this kickoff meeting that might affect the agreement are subject to approval in writing by the Contracting Officer (CO).

Monthly Meetings

Hold regularly scheduled monthly meetings/conference calls (or virtual meetings) for the GLO/BOEM research team throughout the cooperative agreement performance period. A draft meeting agenda will be provided by the Recipient three working days prior to each meeting to allow for review by all involved. The Recipient will prepare and distribute the meeting minutes and a summary within one (1) week after adjourning the meeting. In some cases, with agreement by both parties, an email with relevant project updates will be acceptable.

Draft and Final Reports:

Complete and submit draft final reports to BOEM for scientific peer and editorial review.

The BOEM web page <http://www.boem.gov/Environmental-Studies-Program-Report-Specifications/> specifies the formatting requirements for reports and technical summaries.

Journal Publication and/or Oral Presentations:

The Recipient shall require of all investigators that all manuscripts intended to be published in journals and all abstracts or summaries prepared for oral or poster presentations, based on this study, be submitted to the BOEM PO for review and comment prior to submittal to the journal or conference authority. Draft poster and oral presentations should also be submitted for BOEM PO review. All such publications and oral presentations shall contain an acknowledgement of support from BOEM under this Cooperative Agreement that reads,

"Study collaboration and funding were provided by the U.S. Department of the Interior, Bureau of Ocean Energy Management, New Orleans, LA under Agreement Number XXXXX."

Agreement number will be determined and designated at time of award.

An acknowledgement page with the above statement shall be incorporated into the slides for oral presentations. Scientific publication is strongly encouraged.

BOEM Involvement Statement

At the highest level, BOEM will engage with GLO to establish an agenda that is relevant to management of offshore mineral resource decisions. BOEM scientists will engage and work closely with the GLO PIs to provide advice, direction, and general oversight for the project; and will be directly involved in research activities during the project including project design, data analysis and interpretation, and preparation of peer reviewed publications and presentations.

Survey Requirements

In 2019, the *Sand Survey Activities for BOEM's Marine Minerals Program Atlantic and Gulf of Mexico Final Environmental Assessment* (Sand Survey EA) was prepared to describe and evaluate the potential environmental impacts related to shallow geological and very high resolution geophysical survey activities that support identification, delineation, monitoring, and scientific investigation of sand resources on the Atlantic and Gulf of Mexico OCS. This National Environmental Protection Act (NEPA) process has been integrated to achieve compliance with other environmental regulations to reflect relevant environmental concerns, avoid delays, and address potential conflicts or challenges. A rigorous mitigation strategy to minimize environmental effects, outlined in appendix B, is included as a component of activities funded in whole or in part by BOEM that fall within the scope of the Sand Survey EA. Through the publication of the Sand Survey EA, BOEM agreed to incorporate certain mitigation measures to minimize or

eliminate impacts to environmental resources. BOEM-funded research utilizing G&G are required to adhere to the agreed upon mitigation measures and incorporate them into work plans for the funded activities.

Section C. Performance and Deliverables

C2. Performance Measures/Plan

Performance Measures

At the end of the study, the BOEM Project Officer will assess performance of the program by answering the following questions:

- a) Did the study accomplish the objectives as cited in the cooperative agreement and proposal?
- b) Were the results obtained from the study useful to address BOEM and the State of Texas information needs?
- c) Does the science significantly contribute toward advancing the understanding of the inner shelf /coastal systems and characterization of OCS sand resource reserves adjacent to Texas?
- d) Were deliverables on time, of high quality, well-organized, and accurate?

C3. Deliverables, Due Dates and Distribution

Schedule for Deliverables

Item	Deliverable	Due Date	Number of Copies	Submit to:
A.	Post Agreement Meeting and Summary - In person (Texas or New Orleans) or webinar with all Principal Investigators (PIs) and Project Officer (PO)	Within one (1) month of Cooperative Agreement award		
B.	Monthly updates with PIs and PO	Monthly during performance period	1 1	CO* PO
C.	If developed, draft manuscripts for journal publications, abstracts, posters, and oral presentation(s) for review and final reprints when published	Prior to submission for draft manuscripts and at the time of publication for reprints		
D.	Delivery of draft final report	Three (3) months prior to end of performance period	1 2	CO* PO
E.	Delivery of draft final database including raw input data, analytical	with Draft Final Report	1	PO

Item	Deliverable	Due Date	Number of Copies	Submit to:
	results, etc. used in this study (spatial data in ESRI format)			
F.	Camera-ready digital MS Office copies of Revised Final Report and Technical Summary	45 days after receiving BOEM review comments	1 2	CO PO
G.	Revised Final Report, submitted electronically.	45 days after receiving BOEM review comments	1 2 1	CO PO DOI NRL
H.	Delivery of revised final database (ESRI format if spatial data)	with revised Final Report	1 2	CO* PO
I.	Correspondence (including meeting minutes and agendas)	as it occurs		PO

Addresses for Deliverables

PO:

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