SECTION 1
PRICING

1.1 GENERAL INFORMATION

This is a combined synopsis/solicitation for commercial services prepared in accordance with Revolutionary FAR Overhaul (RFO) FAR Part 12. This announcement constitutes the only solicitation. Offers are being requested and a separate written solicitation will not be issued.

This requirement is a 100% Total Small Business Set-Aside under North American Industry Classification System (NAICS) code 541360 (Geophysical Surveying and Mapping Services) and Product Service Code (PSC) B529 (Special Studies/Analysis - Scientific Data). This solicitation incorporates provisions and clauses by reference. The full text of provisions and clauses may be accessed electronically at www.acquisition.gov.

Under this Request for Quote (RFQ) 140M0126!0031, the United States Department of the Interior, on behalf of the Bureau of Ocean Energy Management (BOEM), is issuing this combined presolicitation and solicitation for the project titled "Sand, Sediment and Critical Mineral Investigation in Federal Waters Offshore Southwest Florida."

The purpose of this requirement is to support BOEM's identification of offshore sand, sediment, and potential critical mineral resources along the Outer Continental Shelf off Southwest Florida, including areas offshore Sarasota, Charlotte, Lee, and Collier Counties. The work includes investigation planning, geophysical and geological investigations, core collection, laboratory analysis, critical minerals analysis, data evaluation, reporting, and submission of data formatted for ingestion into the Marine Minerals Information System.

The Period of Performance for this requirement is two years from the date of contract award.

1.2 CONTRACT LINE ITEM/PRICING

The specific details and descriptions of the Contract Line Item Number are described as follows:

CLIN	**Description**	Not to Exceed Price
00010	**Complete Sand, Sediment, and Critical Mineral Investigation** The contractor shall provide all necessary supplies, services and personnel necessary to complete all work required under Section 2.0, Statement of Work.	$_____

1.2.1 TIME AND MATERIALS CLIN

- This contract is awarded on a Time-and-Materials basis as authorized by FAR 12.104. The following payment provisions apply:
    - Hourly Rates – The Government shall pay the Contractor for labor performed at the fixed hourly rates specified in Section 1.3. These rates are inclusive of wages, overhead, G&A, and profit.
    - Materials – The Government shall reimburse the Contractor for materials (including travel if authorized) at cost without markup. Materials must be approved in advance by the Contracting Officer or COR.
    - Payment Procedures – Payments shall be made in accordance with 52.212-4, Alt. 1 incorporated by reference.
    - Ceiling Price – The total payments under this contract shall not exceed the ceiling price without prior written authorization from the Contracting Officer.

- CLIN 00010 is a Time and Materials (T&M) line item with a period of performance from the date of award through 24 months thereafter that includes all costs required for performance, including but not limited to all personnel, facilities, equipment, materials, supplies, and services.

- The effort under CLIN 00010 shall be accomplished in accordance with the Statement of Work in Section 2. This is a Not to Exceed (NTE) CLIN. The contractor exceeds at their own risk.

- To assist the Government in assuring that efficient methods and effective cost controls are being used, the Contractor shall notify the Contracting Officer's Representative (COR) in advance of significant changes (>10%) to labor hours, subcontracts, or material from its proposal, that arise during the performance of the contract.

1.3 AUTHORIZED BILLING RATES

The following table contains the authorized supplies and services that may be billed under the task order. All unit prices are fully-loaded (i.e., inclusive of all direct costs, indirect costs, and profit/fee).

Labor Category or Supply Category	Unit of Measure	Year 1	Year 2
Project Manager	Hour	$TBD*	$TBD*
Sr. Consultant	Hour	$TBD*	$TBD*
Consultant	Hour	$TBD*	$TBD*
Jr. Consultant	Hour	$TBD*	$TBD*

SAMPLE ONLY

These are SAMPLE labor categories. The offeror shall provide the labor categories and dollar amounts in the price quotation. The services and supplies contained in table above are for illustrative purposes only and will change based upon the labor categories and supplies quoted in the successful offeror's quotation.

1.4 AFFORDABILITY STATEMENT

The Government estimates the value of these services to be between $1.2 million and $1.6 million, based on a comprehensive Independent Government Cost Estimate and available market research. Quoters are advised that proposed pricing significantly above this range should be clearly supported by a detailed explanation of the additional value, technical benefit, performance advantage, or risk reduction provided to the Government. The Government will evaluate whether proposed pricing is reasonable and represents value to the Government in relation to the stated requirements.

SECTION 2.0
STATEMENT OF WORK (SOW)

2.1 BACKGROUND

The Bureau of Ocean Energy Management (BOEM) wants to identify sand and sediment resources for coastal resilience and potential critical mineral deposits along the Outer Continental Shelf offshore Southwest Florida through geophysical and geological (G&G) investigations. The investigation will support the National Offshore Sand Inventory (NOSI) and the National Offshore Critical Minerals Inventory (NOCMI). The area of interest includes federal waters offshore Sarasota, Charlotte, Lee, and Collier Counties, Florida (see Figures 1, 2, and 3 in Attachment 1). BOEM will provide maps of the area of interest after evaluation of newly acquired bathymetric data.

The overall effort includes development of G&G investigation plans, acquisition of data, identification and volumetric evaluation of resources, critical mineral analysis, and submission of reports and data formatted for ingestion into the Marine Minerals Information System (MMIS).

2.2 OBJECTIVES

The objectives of this contract are to identify, characterize, and document offshore sand, sediment, and potential critical mineral resources in federal waters offshore Southwest Florida through a task-based program of planning, geophysical surveying, core collection, laboratory testing, data evaluation, and reporting.

2.3. SCOPE OF WORK

The Contractor shall furnish all labor, supervision, management, vessels, equipment, materials, supplies, software, transportation, and incidentals necessary to perform the tasks described in this SOW.
The required work includes, at a minimum: development of one investigation plan; acquisition of approximately 300 line-miles of geophysical survey data; collection of 75 vibracore and/or rotary boring locations for geotechnical data; analysis of 75 vibracore samples for critical minerals; processing and interpretation of the collected data; delineation of potential borrow areas; preliminary volumetric evaluation; and preparation of final reports and digital data deliverables.

The Contractor shall perform the work in accordance with the current versions of all applicable federal, state, and industry standards and requirements identified in the contract. At a minimum, the work shall comply with the following, as applicable:

- BOEM Notice to Lessees (NTL) No. 2005-G07 for archaeological survey considerations.
- ISO 19901 requirements for marine soil investigation, as applicable to the work performed.
- FGDC Content Standard for Digital Geospatial Metadata (CSDGM) and ISO 19115 metadata standards, as appropriate for the dataset.
- USGS Science Data Lifecycle Model, including planning, acquisition, preservation, and data delivery considerations.
- ASTM D5434-25 for core logging, ASTM D4648/D4648M-24a for Field Miniature Vane Shear testing, and ASTM D6913/D6913M-17 for sieve analysis.
- BOEM naming conventions, and MMIS schema and data requirements, as provided by the Government.

2.4 TASKS

2.4.1 Task 1 Project Management

Provide overall project management, coordination, and administrative oversight necessary to support successful execution of the contract.

2.4.1.1 Project Management

a) The Contractor shall provide all project management, coordination, and planning necessary to perform the work under this contract.
b) The Contractor shall conduct a kickoff meeting with the Government to confirm project objectives, schedule, deliverables, communication procedures, data standards, and roles and responsibilities.
c) The Contractor shall provide regular project status updates to the COR throughout contract performance and shall identify any actual or potential schedule delays, performance issues, or risks affecting successful performance.
d) The Contractor shall prepare and submit meeting minutes for the kickoff meeting and any subsequent meetings within 5 calendar days after each meeting.

2.4.1.2 Project Management Plan

a) The Contractor shall prepare and submit a Project Management Plan (PMP) for Government review and acceptance.
b) The PMP shall describe, at a minimum, the Contractor's management approach, project organization, key personnel, communication procedures, quality control procedures, schedule management, risk management approach, subcontractor coordination, and procedures for tracking deliverables, issues, and corrective actions.
c) The PMP shall describe how the Contractor will coordinate with BOEM and maintain project records throughout contract performance.

Deliverables

1. Kickoff meeting agenda and presentation (PowerPoint format)
2. Kickoff meeting minutes and minutes for subsequent meetings (Word format)
3. Project Management Plan (PMP) (Word and PDF format)
4. Quarterly Status updates and coordination records, and issue tracking documentation, as requested by the COR

2.4.2 Task 2 Identify Investigation Area and Create Investigation Plan

Identify and refine the location of the investigation area on the Southwest Florida OCS and develop and submit one complete investigation plan covering geophysical surveys, vibracore/rotary boring activities, sample collection for laboratory testing, and critical mineral sample collection.

2.4.2.1 Identify Investigation Area

a) Identify sand and sediment sources on the Southwest Florida OCS.
b) The Contractor shall coordinate with BOEM Gulf of America Region (GOAR), Office of Resource Evaluation (RE) to refine the location of the investigation areas.
c) The Contractor shall provide meeting minutes within five (5) business days following each meeting.
d) The minutes shall be sent to the BOEM Contracting Officer's Representative (COR) and to MMUGulf@BOEM.GOV email box.

2.4.2.2 Develop Investigation Plan

a) The Contractor shall develop one (1) reconnaissance-level sand source investigation plan, in coordination with BOEM GOAR RE, for geophysical surveys, reconnaissance-level vibracore and collection of core samples for critical minerals and grain size analysis. The investigation plan shall be consistent with the "Plan" and "Acquire" phases of the USGS Science Data Lifecycle Model.

b) BOEM will provide naming conventions for investigation sites, potential borrow areas, coring locations, and samples for critical minerals, and the Contractor shall apply those naming conventions in the investigation plan and associated deliverables.
c) The Contractor shall identify the proposed investigation areas within the area of interest and submit those areas as GIS shape files.
d) The Contractor shall submit one (1) investigation plan electronically to BOEM's GOAR RE Marine Minerals Unit and Data Acquisition and Special Projects Unit. The submittal shall include all environmental information required for BOEM review and shall be provided no later than two (2) months prior to the start of surveying and core sampling activities. The required environmental review information shall also be submitted to ggpermitsgulf@boem.gov.

Deliverables

1. Presentations (pptx format)
2. Meeting Minutes (word document)
3. GIS shape files of proposed investigation areas.
4. One final investigation plan in PDF, plus editable native files.

2.4.3 Task 3 Mobilization, Notices, and Field Coordination

Complete all pre-field coordination and mobilization actions required to perform the approved surveys and coring program.

Subtasks

2.4.3.1 Coordination with Maritime Authorities

The Contractor shall contact appropriate maritime authorities prior to field work to satisfy reporting and notice requirements. At a minimum, notice of pending activities shall be made through the U.S. Coast Guard Local Notice to Mariners and the U.S. Department of War, no less than seventy-two (72) hours prior to commencement of all sand survey activities, unless a different authority requires more stringent notice.

2.4.3.2

The Contractor shall identify the survey vessel call sign and preferred communication channel in operational notices.

a) The Contractor shall meet with BOEM within forty-eight (48) hours of the start of data collection and keep the COR informed of field work progress (Geophysical surveys and coring) via emails toMMUGulf@BOEM.gov and via virtual meetings as needed. If any collection issues arise, BOEM should be notified immediately to discuss a resolution.

b) The Contractor shall follow all BOEM, GOAR, DASPU, and Office of Environment (OE)-required mitigation protocols and procedures during field survey and sampling activities.

Deliverables

1. Copies of required notices or evidence of submission.
2. Field coordination records, emails, and meeting logs.

2.4.4 Task 4 Geophysical Surveys

Conduct geophysical surveys to acquire data sufficient to identify geomorphic and geologic features, support archaeological clearance for coring, and support interpretation of offshore sand, sediment, and potential critical mineral resources.

2.4.4.1

The contractor shall conduct a geophysical survey to include 300 line-miles of geophysical survey tracklines to identify geomorphic and geologic features within the area of interest.

a) Geophysical surveys shall be conducted as approved in the investigation plan. The geophysical field surveys shall concurrently collect seismic reflection profile CHIRP, Boomer or Sparker (unless otherwise specified), bathymetric including the seafloor reflectivity data, magnetometer, and side scan sonar data. The extent of the geophysical survey shall be determined by BOEM in cooperation with the contractor.

2.4.4.2

The collected geophysical data shall be processed and interpreted to support the search, identification, and characterization of sand and sediment resources. Processed geophysical profiles and interpretations shall be incorporated into the respective geotechnical data report and shall meet the data requirements of the Marine Minerals Information System (MMIS). The quality of the data collection shall include all means and methods necessary.

a) Data and information products must be of sufficient quality, whether geophysical or geological, to identify resource morphology, character, quantity, quality, and geologic setting. The quality of the collected data shall also meet the requirements for conducting an archaeological clearance survey to identify any potential archaeological resources along the geophysical survey tracklines (as noted in BOEM Notice to Lessees (NTL) No. 2005-G07), and in accordance with the International Standardization Organization's (ISO) 19901 requirements for marine soil investigation and ISO 19115 metadata format.
b) The preservation of the data shall ensure long-term viability and accessibility consistent with the USGS Science Data Lifecycle Model. Any data collected for geophysical and geological vibracore sampling will be required to meet organization, formatting, documenting, and submittal requirements of digital data as described below.
c) The Contractor shall submit all spatial data referenced to the North American Datum of 1983 (NAD 83). Geospatial data can be submitted in a Geographic Coordinate System or in projected Coordinate System if approved by BOEM for the data type and locality. Vertical data shall be reported relative to NAVD88.
d) The Contractor shall adhere to agreed upon file naming conventions for each data type being acquired and provide all collected geophysical survey data following the specifications below:

a. <u>Navigation Data</u>

The navigation post-plot of the surveyed area including survey lines, line numbers or other designations, navigational shot points or event markers, and other relevant attributes shall be submitted to the Government in an ArcGIS readable format (e.g., Microsoft Excel (.xls), Comma separated value (.csv), Text file (.txt), Database (.dbf) or Shapefile (.shp)).

b. <u>Survey Area Location and Proposed Project Elements</u>

The survey area location and proposed project elements including relevant attributes shall be submitted in an ArcGIS readable format (e.g., Microsoft Excel (.xls), Comma separated value (.csv), Text file (.txt), Database (.dbf) or Shapefile (.shp)).

c. <u>Magnetometer or Gradiometer Data</u>

The information used to create a table of magnetic anomalies and charting of magnetic anomalies shall

be submitted in an ArcGIS readable format (e.g., Microsoft Excel (.xls), Comma separated value (.csv), Text file (.txt), Database (.dbf) or Shapefile (.shp)). The following attributes shall be included in the table of magnetic anomalies:

- Anomaly ID
- Survey Area/Block
- Survey line number
- Instrument
- Raw Magnetic Readings for each instrument, and indication of which instrument is reading from (peak signal strength (gammas))
- Reference field used (if reporting anomaly data)
- Gamma intensity of each identified anomaly (peak gradient amplitude)
- Duration (m)
- Characterization of the anomaly as a dipole, positive (+) or negative (-) monopole, or complex signature, based on the magnetic traces
- Sensor Altitude (for each instrument): instrument height above the seafloor
- Date in YYYY-MM-DD, in UTC Time, exact date the anomaly was recorded
- Time in hh:mm:ss, in UTC Time, exact time the anomaly was recorded
- Coordinate System
- Datum
- Horizontal position, Longitude (Easting) / Latitude (Northing), indicated as coordinates of the interpreted location of each unidentified anomaly in decimal degrees to 6 decimal places, based on magnetic traces and contoured data
- Vertical position, indicated as estimated depth using half-width rule, Euler equation, or other means as described in the methodology section
- Association with side scan sonar contacts or sub-bottom (boomer, chirp, and sparker) profiler features
- Recommended avoidance distance, if applicable

Additionally, the complete, unprocessed magnetometer or gradiometer dataset shall also be submitted. This shall include the unprocessed data for each individual total field magnetometer instrument in the gradiometer configuration, if applicable. These data shall be submitted in a tabular data format recognized by ArcGIS (i.e., Comma separated value (.csv), Text file (.txt), Database (.dbf) or Shapefile (.shp)). At a minimum, the following items shall be included within the data table(s):

- Easting/Longitude
- Northing/Latitude
- Time, in UTC
- Raw Magnetic Readings for each instrument
- Gradiometer Altitude
- Survey Line Number/Name

Each of these components must occupy a single field within the table. For example, easting or longitude data must be within a single column in the data table. This would include a column for an easting amount, or longitude in decimal degrees, not a table with separate columns for degrees and another for decimal minutes.

d. <u>Multibeam Sonar Data</u>

Bathymetric data products shall be submitted in an ArcGIS readable format (e.g., bathymetric grid (BAG), or comma separated value (.csv) XYZ. Any submission of gridded bathymetric data must include an uncertainty layer quantifying the total propagated uncertainty (TPU) of each node. The horizontal data will be provided in the relevant State Plane Coordinate system (North American Datum

1983). Vertical data will be provided in the NAVD88, U.S. survey feet, unless otherwise specified. The Contractor must submit a methods section and results of the uncertainty analysis, field notes, and metadata to BOEM with the processed bathymetric data products. Raw, unprocessed sonar files as well as post-processed sonar files and ancillary data (e.g., sound velocity profiles data, sound velocity profile coordinates with date and time stamp) must also be submitted.

Bathymetric data shall be interpolated into bathymetric contours and digital elevation models if trackline spacing permits. All gridding and interpolation methods shall be described and fully documented. Minimum horizontal resolution of any digital elevation model shall be 3 feet (ft) or less (1 meter (m) or less) unless approved by BOEM. Final vertical resolution of derived bathymetric elevation models shall be determined based on the survey area in coordination with BOEM.

e. Side-Scan Sonar Data

Both raw and processed eXtended Triton Format (.xtf) line files or other formats approved by the Government for the survey shall be submitted, as well as mosaics. Side scan sonar mosaics of the survey area shall be prepared as a geo-referenced Tagged Image Format (.tif) and output as 0.5 m resolution or better. A georeferenced Raster shall also be delivered in XYA format.

The information used to create the table of side scan sonar contacts and mapping of sonar contacts or habitat features shall be submitted in an ArcGIS readable format (e.g., Microsoft Excel (.xls), Comma separated value (.csv), Text file (.txt), Database (.dbf) or Shapefile (.shp)). The following attributes shall be included:

- Side-scan sonar contact ID
- Survey Area/Block
- Survey line number
- Target length (ft, m)
- Target width (ft, m)
- Target height (ft, m)
- Target shadow (ft, m)
- Target description
- Associated magnetic anomalies
- NAD 83 coordinates of the target in decimal degrees to 5 decimal places
- Original source file name
- Recommended avoidance distance, if applicable

f. Sub-bottom Profiler Data

Sub-bottom profiler (boomer, chirp, and sparker) data shall be submitted in SEG-Y standard exchange format (.sgy). Digital information for the reflectors/horizons identified in the data also shall be provided. Formatting may include image plots and fence diagrams showing the identified horizons or reflectors, XYZ data files, or CSF files compatible with software approved by the Government.

The contractor shall conduct the Compressed High-Intensity Radiated Pulse (CHIRP) sub-bottom survey in the target area for the purpose of identifying acoustic reflectors that define stratigraphic changes within a minimum of the upper 33 ft (10 m) of shallow surface sediment and capable of resolving bedding of less than 0.66 ft (0.2 m).

The contractor shall conduct the Boomer/Sparker) sub-bottom survey in the target area for the purpose of identifying acoustic reflectors that define stratigraphic changes within a minimum of the upper 150 ft (45 m) of shallow surface sediment and capable of resolving bedding of less than 1 ft (0.3 m).

g. AUV/ASV Data

If applicable, all AUV/ASV navigational data shall be submitted in both raw and post-processed formats. Raw navigational data includes accepted USBL positions, AUV attitude record, and AUV DVL navigational record. Specify all inputs and settings of AUV navigational kalman filter. Post-processed navigation shall include a description of the processed used in addition to the complete post-processed navigation track. All AUV/ASV geophysical data shall be submitted in a format specified by the sensor type in the previous sections.

h. GIS Data

All GIS submitted in a standard Geographic Information Systems (GIS) ESRI format, preferably an ESRI geodatabase. Other spatial or GIS formats are also acceptable, provided they are interoperable with industry standard software.

Data used to illustrate the horizontal and vertical extent of geomorphic features, or geologic units, shall be submitted in an ArcGIS readable format.

BOEM recommends that, where applicable, geospatial data products are submitted in an ESRI geodatabase that follows the current MMIS schema available for download at https://mmis.boem.gov/https://mmis.doi.gov/boemmmis/.

i. Metadata

For each dataset and data product submitted, the Contractor shall prepare and submit associated metadata in accordance with the appropriate FGDC Content Standard for Digital Geospatial Metadata (CSDGM) or International Standardization Organization's (ISO) 19115 metadata format (e.g. ISO 19115 metadata standard for imagery or gridded data, Content Standard for Digital Geospatial Metadata (version 2.0), FGDC-STD-001-1998, Coastal and Marine Ecological Classification Standard (CMECS), FGDC-STD-018-2012).

Metadata shall be included as a crucial component for any use or reuse of data. FGDC standards apply to and are mandatory for Federal agencies, as described in OMB Circulars A-16 and A-119 and Executive Order 12906 - Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure.

FGDC endorsed standards can be found at https://www.fgdc.gov/standards/list.

2.4.4.3

Preliminary interpretations of the geophysical data shall be submitted to BOEM's GOAR RE for review 90 days after completion of data collection. BOEM's GOAR RE will review the preliminary geophysical draft products and provide comments to the contractor prior to vibracore selection process.

2.4.4.4

The contractor shall coordinate with BOEM to identify proposed vibracoring locations based on post-survey analysis to corroborate the geophysical survey interpretation. The determination of final vibracore locations will require coordination with the contractor's archaeologist and BOEM's GOAR OE archaeologist. Vibracore placement shall be along geophysical lines that have been cleared for archaeological resources by a qualified marine archaeologist, and where no known hardbottom resources exists. Based on the geophysical data and archaeological clearance, the final vibracore locations shall be determined and the investigation plans shall be finalized and submitted to the BOEM GOAR RE for final approval.

Deliverables

1. One (1) Final geological investigation plans (pdf format)
2. Meetings, emails, and logs with COR during field work.
3. Raw and processed geophysical datasets in the contractually required formats.
4. Navigation post-plots and survey area/project element GIS files.
5. Daily or periodic field updates during active survey operations.

2.4.5 Task 5 - Core Collection and Testing

Collect vibracore and/or rotary boring data sufficient to characterize sediment units, support laboratory testing, and validate geophysical interpretations.

Subtasks
2.4.5.1

Seventy-five (75) cores shall be collected utilizing an Alpine style, pneumatic vertical hammer, vibracore drilling apparatus having a continuous 30 foot core barrel that is advanced until a depth of 30 ft is reached or refusal is encountered (30 foot cores are preferred). Refusal is defined as no additional penetration of the vibracore within two minutes of additional effort applied to penetrate through the resistant layer. Each vibracore shall have 80% recovery. The contractor must make at a minimum three attempts to achieve 80% recovery and keep the vibracore with the largest recovery. Fore longer cores >30 ft a rotary boring will be used to the depth agreed upon.

a) All boring locations (xyz) shall be surveyed using Real Time Kinematic (RTK) GPS in North American Datum of 1983 (NAD83) and North American vertical Datum (NAVD88). Emphasis shall be placed on obtaining correct elevations of the boring locations.
b) The vibracores shall be cut into five-foot sections, photographed, placed into core boxes. The core borings shall be logged according to Advancing Standards Transforming Markets (ASTM) D 5434-25 at the contractor's facility by a licensed geologist. The draft logs are to be electronically submitted to the COR and the MMUGulf@boem.gov email box for sample selection. Core boxes shall be labeled with project name, county, date, boring name, and depths interval on top and sides of the boxes.
c) Prior to disturbance via sampling, split vibracores shall be photographed with scale, against an 18% gray background, under indirect insolation in natural light. Photographs shall include the vibracore unique identifier.
d) Clay Testing -- Field Miniature Vane Shear Test are to be conducted during vibracore logging in accordance with ASTM Standard Test Methods of Laboratory Miniature Vane Shear Test for Saturated Fine-Grained Clayey Soil (D 4648/D 4648M-24a). For bidding purposes, a total of 450 samples shall be selected and analyzed. The lab testing parameters are listed in Table 1.
e) Sand/Sediment Testing - One sample for each lithological change and one sample every 2-3 ft for presumed beach compatible sand layers shall be selected for lab analyses. The lab testing parameters are listed in Table 1.
f) Sand/Sediment Testing - All samples will be analyzed for either Laser Particle Siza Analysis (LPSA), visual shell % determination, and Munsell color determination (wet, dry, washed). Carbonate Content analysis using the non-ASTM method (Twenhofel-Tyler method) shall be performed on 10% of the samples.

Table 1. Summary of Proposed Laboratory Tests

Laboratory Testing	Number of Tests

Field Miniature Vane Shear Test	450
Sieve Analysis (Using Sieve Sizes No. 2 ½", 1 ¼", 3/4", 3/8", 3.5, 4, 5, 7, 10, 14, 18, 25, 35, 45, 60, 80, 120, 170, 200, 230) - ASTM D 6913/D 6913M-17	450
LPSA Analysis at ½ Phi intervals	450
Visual Percent Shell	450
Carbonate Content non-ASTM method (Twenhofel-Tyler)	45

g) Draft and Final logs and laboratory testing results shall be entered into an appropriate sample database.

h) Core description sheets for each core will be completed using the template in Appendix A.

i) Draft logs shall be finalized utilizing the laboratory testing results and submitted to the COR and the MMUGulf@boem.gov email box for review.

j) Vibracores shall be stored after the logs are finalized. Core delivery and storage shall be coordinated with the BOEM's GOAR RE.

2.4.5.2

A sub-set of up to 75 samples will be analyzed for critical mineral analysis. This analysis will be to identify which critical minerals are found in the sample and the percentage of those minerals in each sample. These will include XRF, XRD, SEM/QEM or SEM/TIMA.

Deliverables:

- Draft logs (pdf)
- Final logs including laboratory testing results (pdf and database file)
- Meetings, emails, and logs with COR during field work.

2.4.6 Task 6 - Data Evaluation and Reporting

Based on the geophysical and geological results, potential borrow areas shall be delineated for both sand and sediment resources.

2.4.6.1

A summary report shall be submitted. The report shall include maps, boring logs, lab results, geophysical and geological profiles, summary tables, a preliminary borrow area with depth of resource map w contours and a preliminary analysis of volumetrics.

2.4.6.2

The final report shall be submitted electronically. The electronic submittals shall include the report in pdf format and all files in their original format, such as for example Word, Excel, GIS, AutoCAD. See Attachment 2 Suggested Table of Contents for final report that is required.

Deliverables

1. One (1) final report (pdf and word format).
2. Supporting appendices, tables, figures, GIS, and other source files used to produce the report.

2.5 MEETINGS, REPORTS, AND DELIVERABLES

The contractor shall participate in meetings, submit recurring reports, and provide all deliverables necessary to support successful planning, execution, review, and completion of the work. Meetings will be conducted virtually. All draft deliverables are subject to Government review and comment, and all final deliverables are subject to Government acceptance. Unless otherwise specified, the Government will have 30 calendar days to review draft submittals. The contractor shall address Government comments and submit final deliverables in accordance with the approved schedule.

2.5.1 Meetings

The contractor shall participate in the meetings and coordination activities listed below, and any additional meetings reasonably necessary to perform the work. The contractor shall prepare and submit meeting minutes within 5 calendar days following each meeting, unless otherwise directed by the Contracting Officer Representative (COR).

Meeting / Coordination Activity	Purpose	Participants	Timing / Frequency	Required Documentation
Kickoff Meeting	Review project objectives, scope, schedule, roles and responsibilities, communication protocols, and initial planning requirements.	Contractor, COR, BOEM technical representatives, and other Government personnel as needed.	After award and prior to commencement of substantive planning activities.	Meeting minutes submitted within 5 calendar days following the meeting.
Quarterly Progress Review Meetings	Review project status, work completed during the quarter, planned work for the next quarter, schedule status, deliverable status, risks, issues, field work progress, data processing status, and any Government action items needed to support continued performance.	Contractor, COR, BOEM technical representatives, and other Government personnel as needed.	Quarterly throughout the period of performance, unless otherwise directed by the COR.	Quarterly progress report and meeting minutes submitted within 5 calendar days following each meeting.
Investigation Area Coordination Meetings	Coordinate with BOEM Gulf of America Region Resource Evaluation to refine the location of investigation areas within the Southwest Florida area of interest.	Contractor, COR, BOEM GOAR Resource Evaluation, Marine Minerals Unit, and other Government personnel as needed.	As needed during investigation planning.	Meeting minutes submitted within 5 calendar days following each meeting to the COR and MMUGulf@BOEM.gov.
Investigation Plan Review Meeting	Discuss the proposed investigation plan, investigation areas, survey approach, environmental review	Contractor, COR, BOEM technical representatives, and other Government	Prior to submission or finalization of the investigation plan.	Meeting minutes and any presentation materials, as applicable.

Meeting / Coordination Activity	Purpose	Participants	Timing / Frequency	Required Documentation
	information, schedule, and required data products.	personnel as needed.		
Pre-Field Work Coordination Meeting	Confirm field work schedule, vessel information, communication protocols, reporting requirements, mitigation procedures, and readiness to begin survey or sampling activities.	Contractor, COR, BOEM technical representatives, and field operations personnel as needed.	Prior to commencement of field data collection activities.	Meeting minutes and/or coordination records.
Field Work Progress Meetings	Discuss field work progress, data quality, collection issues, schedule impacts, and any needed Government coordination or decisions.	Contractor, COR, BOEM technical representatives, and field team representatives as needed.	Within 24 hours of the start of data collection and as needed during field work.	Emails, meeting notes, field logs, or other coordination records.
Geophysical Data Review / Vibracore Location Coordination Meeting	Review preliminary geophysical interpretations and coordinate proposed vibracore locations based on survey results, archaeological clearance, and BOEM input.	Contractor, COR, contractor's archaeologist, BOEM GOAR Resource Evaluation, BOEM archaeologist, and other technical personnel as needed.	After preliminary geophysical interpretation and prior to final vibracore location selection.	Meeting minutes, updated location information, and any revised planning documentation.
Final Deliverable / Closeout Meeting	Confirm completion of required work, final deliverables, data submissions, report files, and any remaining closeout items.	Contractor, COR, BOEM technical representatives, and other Government personnel as needed.	Prior to final acceptance or at project closeout, if requested by the Government.	Meeting minutes and closeout action item list, as applicable.

2.5.2 Reports

The contractor shall submit reports necessary to document project status, data collection, analysis, findings, and completion of the work. Reports shall be submitted electronically to the COR and other Government personnel identified by the COR.

Report	**Purpose**	**Timing / Frequency**	**Required Content**	**Submission Requirements**
Quarterly Progress Report	Provide the Government with a recurring status update on project progress, schedule, deliverables, field work, data processing, risks, and upcoming activities.	Quarterly throughout the period of performance, beginning after contract award.	Work completed during the reporting period; work planned for the next reporting period; schedule status; deliverable status; field work/data collection status; data processing and analysis status; issues, risks, or delays; corrective actions; and Government action items, if any.	Submit electronically to the COR and other Government personnel identified by the COR.
Draft Summary Report	Provide BOEM with the draft results of the investigation for Government review and comment.	In accordance with the approved schedule; suggested milestone is 550 calendar days after kickoff.	Maps, boring logs, laboratory results, geophysical and geological profiles, summary tables, preliminary borrow area delineation, depth-of-resource map with contours, and preliminary volumetric analysis.	Submit electronically in PDF and Word format.
Final Summary Report	Provide the final investigation results, including all revisions required to address Government comments.	In accordance with the approved schedule; suggested milestone is 700 calendar days after kickoff.	Final report, final maps, final boring logs, laboratory results, geophysical and geological profiles, summary tables, final interpretations, data products, and supporting files.	Submit electronically in PDF format and provide all original/native files, such as Word, Excel, GIS, AutoCAD, and other applicable formats. See Attachment 2 Suggested Table of Contents for final report that is required.

2.5.3 Deliverables

The following table summarizes required deliverables, associated task areas, required formats, and anticipated submission timing. All deliverables shall be submitted in accordance with the requirements of this Statement of Work and are subject to Government review, comment, and acceptance.

The schedule above may be refined through the approved investigation plan and project schedule. The contractor may complete tasks before the listed milestone dates. Meeting minutes shall be finalized within 5 calendar days after the Government comment review period has ended, unless otherwise directed by the COR.

Task / Section	Deliverable	Format	Due Date / Timing	Submission Requirements
2.1 - Identifying Investigation Areas	Proposed investigation plan presentation	PowerPoint (.pptx)	As required during investigation planning and coordination with BOEM.	Submit to the COR and BOEM Marine Minerals Unit for review and coordination.
2.1 - Identifying Investigation Areas	Meeting minutes	Word document	Within 5 calendar days following each meeting.	Submit to the COR and MMUGulf@BOEM.gov.
2.2 - Investigation Plans	GIS shapefiles of investigation areas	GIS shapefile format	As part of investigation planning.	Submit electronically to BOEM GOAR Resource Evaluation Marine Minerals Unit and Data Acquisition and Special Projects Unit.
2.2 - Investigation Plans	Final investigation plan	PDF	Two months prior to surveying and core sampling activities.	Submit electronically, including all environmental information needed for review, to ggpermitsgulf@boem.gov.
3.0 - Investigations	Field work coordination records	Emails, meeting records, and logs	During field work.	Keep the COR updated on field work progress and data quality. Notify BOEM immediately of field collection issues.
3.1 - Geophysical Surveys	Final investigation plan, updated as necessary following geophysical analysis and vibracore location coordination	PDF	Prior to vibracore/core sampling activities and following BOEM coordination.	Submit to BOEM GOAR Resource Evaluation for final approval.
3.1 - Geophysical Surveys	Geophysical survey data	Required data formats identified in the SOW, including ArcGIS-readable formats, SEG-Y, XTF,	After completion and processing of geophysical survey activities.	Submit all raw, processed, interpreted, spatial, and metadata files in the formats required by the SOW.

Task / Section	Deliverable	Format	Due Date / Timing	Submission Requirements
		geodatabase, TIFF, CSV, DBF, shapefile, and other applicable formats.		
3.1 - Geophysical Surveys	Preliminary geophysical data interpretations	Electronic data products and supporting files	90 calendar days after completion of data collection.	Submit to BOEM GOAR Resource Evaluation for review prior to the vibracore selection process.
3.1 - Geophysical Surveys	Metadata for each dataset and data product	FGDC CSDGM or ISO 19115 metadata format, as applicable	With each applicable dataset or data product.	Metadata shall accompany each dataset and data product submitted.
3.2 - Core Collection	Draft core logs	PDF	Following core collection, logging, and prior to sample selection.	Submit electronically to the COR and MMUGulf@BOEM.gov for review and sample selection.
3.2 - Core Collection	Core photographs	Electronic image files	Prior to disturbance via sampling.	Photographs shall include scale, 18% gray background, natural light, and the vibracore unique identifier.
3.2 - Core Collection	Final core logs including laboratory testing results	PDF and database file	After laboratory testing and incorporation of Government comments.	Submit final logs and laboratory testing results to the COR and MMUGulf@BOEM.gov.
3.2 - Core Collection	Laboratory testing results	PDF and database file, as applicable	Following completion of required testing.	Include required testing for sieve analysis, LPSA, visual percent shell, Munsell color, carbonate content, field miniature vane shear testing, and critical mineral analysis, as applicable.
3.2 - Core Collection	Critical mineral analysis results	Electronic report/data format	Following analysis of selected samples.	Submit results identifying critical minerals found and the percentage of those minerals in each sample.
4.0 - Data Evaluation and Reporting	Draft summary report	PDF and Word format	In accordance with the approved schedule; suggested milestone is 550	Submit electronically for Government review.

Task / Section	Deliverable	Format	Due Date / Timing	Submission Requirements
			calendar days after kickoff.	
4.0 - Data Evaluation and Reporting	Final summary report	PDF and original/native files	In accordance with the approved schedule; suggested milestone is 700 calendar days after kickoff.	Submit electronically. Include the final report and all files in original/native formats, such as Word, Excel, GIS, AutoCAD, and other applicable formats.
4.0 - Data Evaluation and Reporting	Final data files and supporting products	Original/native file formats	With the final report.	Submit all supporting data, GIS files, laboratory data, geophysical/geological data products, maps, tables, and other files necessary to support the final report and MMIS ingestion.

2.6 ADDRESSES FOR DELIVERABLES

Point of Contacts	Abbreviation	Name and contact Information
Marine Minerals Unit Supervisor	MMU Supervisor	Richard Mackenzie Email: Richard.Mackenzie@boem.gov Work Phone: 504-736-2709
Contracting Officer Representative	COR	Brian Cameron Email: Brian.Cameronjr@boem.gov Work Phone: 504-736-2990
Contracting Officer	CO	Jennifer Moreci Email: Jennifer_moreci@ios.doi.gov Work Phone: 703-787-1218

2.7 ACCEPTANCE CRITERIA

General quality measures, as set forth below, will be applied to each work product received from the Contractor under this contract.

- **Accuracy -** Work Products shall be accurate in presentation, technical content, and adherence to accepted elements of style.
  - **Clarity -** Work Products shall be clear and concise. Any/All diagrams shall be easy to understand and be relevant to the supporting narrative.

- **Consistency to Requirements -** All work products must satisfy the requirements of this contract.
- **File Editing -** All text and diagrammatic files shall be editable by the Government.
- **Format -** Work Products shall be submitted in hard copy (where applicable) and in media mutually agreed upon prior to submission. Hard copy formats shall follow any specified Directives or Manuals.
- **Timeliness -** Work Products shall be submitted on or before the due date specified in this contract or submitted in accordance with a later scheduled date determined by the Government.

2.8 QUALITY ASSURANCE

The Government will perform quality assurance through review of required deliverables, participation in project meetings, review of schedule and status information, observation of installation and testing activities, review of cybersecurity/security documentation, and verification that the installed solution meets the SOO requirements and accepted contractor proposal. The contractor shall correct deficiencies identified by the Government prior to final acceptance.

SECTION 3
TERMS AND CONDITIONS

3.1 SCOPE

The terms and conditions set forth in this Section apply to the solicitation and any resulting contract for the services described herein, including all contractor performance, deliverables, invoicing, Government acceptance, and administrative requirements.

3.2 PERIOD OF PERFORMANCE and PLACE OF PERFORMANCE

The period of performance shall be two years from date of award.

The place of performance shall be Offshore in Southwest Florida and contractor's location.

3.3 ADMINISTRATIVE POINTS OF CONTACT

3.3.1 Contracting Officer: The Contracting Officer (CO) for this effort is as follows:

U.S. Department of the Interior
Jennifer Moreci
45600 Woodlands Road, Sterling, VA 20166
Phone Number: 703-787-1218
Email: Jennifer_Moreci@ios.doi.gov

3.3.2 Contracting Officer's Representative:

The Contracting Officer's Representative (COR) for this effort is as follows:

[To be inserted at time of award.]

3.4 DIAR 1452.201-70 – AUTHORITIES AND DELEGATIONS (SEP 2011)

(a) The Contracting Officer is the only individual authorized to enter into or terminate this contract, modify any term or condition of this contract, waive any requirement of this contract, or accept nonconforming work.

(b) The Contracting Officer will designate a Contracting Officer's Representative (COR) at time of award. The COR will be responsible for technical monitoring of the contractor's performance and deliveries. The COR will be appointed in writing, and a copy of the appointment will be furnished to the Contractor. Changes to this delegation will be made by written changes to the existing appointment or by issuance of a new appointment.

(c) The COR is not authorized to perform, formally or informally, any of the following actions:

(1) Promise, award, agree to award, or execute any contract, contract modification, or notice of intent that changes or may change this contract;

(2) Waive or agree to modification of the delivery schedule;

(3) Make any final decision on any contract matter subject to the Disputes Clause;

(4) Terminate, for any reason, the Contractor's right to proceed;

(5) Obligate in any way, the payment of money by the Government.

(d) The Contractor shall comply with the written or oral direction of the Contracting Officer or authorized representative(s) acting within the scope and authority of the appointment memorandum. The Contractor need not proceed with direction that it considers to have been issued without proper authority. The Contractor shall notify the Contracting Officer in writing, with as much detail as possible, when the COR has taken an action or has issued direction (written or oral) that the Contractor considers to exceed the COR's appointment, within 3 days of the occurrence. Unless otherwise provided in this contract, the Contractor assumes all costs, risks, liabilities, and consequences of performing any work it is directed to perform that falls within any of the categories defined in paragraph (c) prior to receipt of the Contracting Officer's response issued under paragraph (e) of this clause.

(e) The Contracting Officer shall respond in writing within 30 days to any notice made under paragraph (d) of this clause. A failure of the parties to agree upon the nature of a direction, or upon the contract action to be taken with respect thereto, shall be subject to the provisions of the Disputes clause of this contract.

(f) The Contractor shall provide copies of all correspondence to the Contracting Officer and the COR.

(g) Any action(s) taken by the Contractor, in response to any direction given by any person acting on behalf of the Government or any Government official other than the Contracting Officer or the COR acting within his or her appointment, shall be at the Contractor's risk.

3.5 KEY PERSONNEL

The following individual(s) is/are considered to be essential to the work being performed under this contract:

Name Position
[To be completed at time of award based upon Key Personnel proposed by Quoter.]

3.5.1 SUBSTITUTION OF KEY PERSONNEL

(a) The contractor agrees to assign those persons identified above and who are necessary to fulfill the requirements of the contract as key personnel. No substitutions shall be made except in accordance with this clause.

(b) Personnel considered essential ("key personnel") to the work performed under the contract shall be mutually agreed upon by the contractor and the Government and will be specified in the contract. During the first 90 calendar days of the contract, the Contractor shall make no substitutions of key personnel unless the substitution is necessitated by illness, death, or termination of employment. Prior to removing, replacing, or diverting any of the specified individuals, the contractor shall promptly notify the Contracting Officer (CO).

(c) All proposed substitutions shall be submitted to the CO for approval at least 15 calendar days in advance of the proposed effective date (unless substitution is necessitated by sudden illness, death, or termination of employment in which case notice shall be within five (5) calendar days of the effective date) and must provide the information as stated herein.

(d) All requests for substitutions shall be in writing unless otherwise agreed to by the CO and shall include a complete resume for the proposed substitute and any other information required by the CO to permit effective evaluation of the proposed substitutions' qualifications.

(e) Requests for substitution of "key personnel" above must also provide a detailed explanation of the circumstances necessitating it and sufficient information for the CO to evaluate the impact of the substitution on contract performance.

(f) Replacement personnel must have similar qualifications and experience as the person they are replacing.
(g) Any vacancies of Key Personnel extending beyond 30 days may result in negative CPARs rating by the Contracting Officer

3.6 NON-PERSONAL SERVICES CONTRACT

This is a non-personal services contract, as defined in FAR 37.101. The Contractor personnel rendering the services herein are not to be subject, either by the contract's terms or by the manner of its administration, to the supervision and control usually prevailing in relationships between the Government and its employees. Contractor personnel shall be subject to the direction of the Contractor's Project Manager as described in the section above.

3.7 INVOICING AND PAYMENT

Invoices shall be submitted monthly in arrears and will be paid in accordance with the Prompt Payment Act through the Invoicing Processing Platform (IPP), in accordance with the instructions provided in Section 3.7.1 below.

3.7.1 DOI-AAAP-0028 V04 ELECTRONIC INVOICING AND PAYMENT REQUIREMENTS—INVOICE PROCESSING PLATFORM (IPP) (FEB 2021)

Payment requests must be submitted electronically through the U. S. Department of the Treasury's Invoice Processing Platform System (IPP).

"Payment request" means any request for contract financing payment or invoice payment by the Contractor. To constitute a proper invoice, the payment request must comply with the requirements identified in the applicable Prompt Payment clause included in the contract, or the clause 52.212-4 Contract Terms and Conditions - Commercial Items included in commercial item contracts. The IPP website address is: https://www.ipp.gov.

Under this contract, the following documents are required to be submitted as an attachment to the IPP invoice*:*
Documentation required by FAR 32.905(b)
A reconciliation of labor hours by labor category and task, including hours billed for the invoice period and cumulative hours billed to date.
Description of the materials and receipts/invoices
All travel receipts documenting actual costs INCURRED

The Contractor must use the IPP website to register access and use IPP for submitting requests for payment. The Contractor Government Business Point of Contact (as listed in SAM) will receive enrollment instructions via email from the Federal Reserve Bank of St. Louis (FRBSTL) within 3 - 5 business days of the contract award date. Contractor assistance with enrollment can be obtained by contacting the IPP Production Helpdesk via email IPPCustomerSupport@fiscal.treasury.gov or phone (866) 973-3131.

If the Contractor is unable to comply with the requirement to use IPP for submitting invoices for payment, the Contractor must submit a waiver request in writing to the Contracting Officer with its proposal or quotation.

3.8 CONTRACTOR CONFLICT OF INTEREST

(a) It is the policy of the Department of the Interior to avoid contract awards which could result in or create conflicts of interest, whether actual or apparent. Such a situation could occur in the instance when the contractor or any subcontractors or teaming arrangement partners have business, financial, real property, mineral rights, or other interests, as well as professional activities that create conflicting roles which could potentially bias a

contractor's judgment or result in unfair competitive advantage to the contractor, and thus impede the government's objective to obtain an impartial, technically sound and objective performance of this contract.

(b) Any proposal submitted in response to this request for proposals must identify any actual or potential conflict of interest described in paragraph (a) and include a Conflict of Interest Mitigation Plan if the contractor believes such persons or entities are indispensable to its proposal. The Government's approval of any proposed Conflict of Interest Mitigation Plan shall be at the sole discretion of the Contracting Officer.

(c) Absent a written approval of a Conflict of Interest Mitigation Plan from the Contracting Officer, the Contractor, or any of its officers, representatives, employees, sub-contractors, or teaming arrangement members, shall not be involved in any situation during the performance of this contract which may result in conflicts as contemplated in paragraph (a) above. Failure to comply with this provision may be cause for termination for default.

(d) The contractor shall disclose, upon discovery, any interest which may develop after contract award that may result in a conflict as contemplated in paragraph (a) above. Failure to comply with this provision may be cause for termination of this award for default.

(e) The contractor shall include this clause, including this paragraph in all subcontracts and consultant agreements; however, subcontractors and consultants shall be directed to send any mitigation plan to the contractor who shall then inform the Contracting Officer.

(f) The contractor, its employees, subcontractors and teaming arrangement partners, shall not engage in any communication regarding any aspect of performance of this contract with any person or entity described in paragraph (a) above without express permission from the Contracting Officer. Failure to comply with this provision may be cause for termination of this award for default.

3.9 DATA USE, DISCLOSURE OF INFORMATION, AND HANDLING OF SENSITIVE INFORMATION

The contractor shall maintain, transmit, retain in strictest confidence, and prevent the unauthorized duplication, use, and disclosure of information. The contractor shall provide information only to employees, contractors, and subcontractors having a need to know such information in the performance of their duties for this project.

Information made available to the contractor by the Government for the performance or administration of this effort shall be used only for those purposes and shall not be used in any other way without the written agreement of the Contracting Officer (CO).

If public information is provided to the contractor for use in performance or administration of this effort, the contractor except with the written permission of the CO may not use such information for any other purpose.

If the contractor is uncertain about the availability or proposed use of information provided for the performance or administration, the contractor shall consult with the COR regarding use of that information for other purposes.

The contractor agrees to assume responsibility for protecting the confidentiality of Government records which are not public information. Each employee of the contractor to whom information may be made available or disclosed shall be notified in writing by the contractor that such information may be disclosed only for a purpose and to the extent authorized herein. Each employee shall sign the non-disclosure agreement form as provided at Attachment 1, and the contractor shall submit the signed form to the CO prior to the employee's information access.

Performance of this effort may require the contractor to access and use data and information proprietary to a

Government agency or Government contractor which is of such a nature that its dissemination or use, other than in performance of this effort, would be adverse to the interests of the Government and/or others.

Contractor and/or contractor personnel shall not divulge or release data or information developed or obtained in performance of this effort, until made public by the Government, except to authorized Government personnel or upon written approval of the CO. The contractor shall not use, disclose, or reproduce proprietary data that bears a restrictive legend, other than as required in the performance of this effort. Nothing herein shall preclude the use of any data independently acquired by the contractor without such limitations or prohibit an agreement at no cost to the Government between the contractor and the data owner that provides for greater rights to the contractor. All data received, processed, evaluated, loaded, and/or created as a result of this contract shall remain the sole property of the Government unless specific exception is granted by the CO.

3.10 SECTION 508 OF THE REHABILITATION ACT

Section 508 of the Rehabilitation Act of 1973 (found at 29 U.S.C. 794d) requires access to and use of information by individuals with disabilities. A deliverable such as electronic reports (ex: PDF files) to be placed on the web (either on the agency's web server or the company's), video footage, or other electronic data such as CD-ROMs to be distributed, are subject to Section 508 guidelines. Simplified, this means that PDF files need to be formatted so that they are "readable" by assistive technology devices such as screen readers. Video footage must be closed captioned. CD-ROMs which contain HTML, PDF, or word processor files must be accessible.

3.11 CONTRACTOR PERFORMANCE ASSESSMENT REPORTING SYSTEM (CPARS) (DEC 2015)

The CPARS requirements apply to orders over the Simplified Acquisition Threshold.

1. FAR 42.1502 directs all Federal agencies to collect past performance information on contracts. The Department of the Interior (DOI) has implemented the Contractor Performance Assessment Reporting System (CPARS) to comply with this regulation. One or more past performance evaluations will be conducted in order to record your contract performance as required by FAR 42.15.
2. The past performance evaluation process is a totally paperless process using CPARS. CPARS is a web-based system that allows for electronic processing of the performance evaluation report. Once the report is processed, it is available in the Past Performance Information Retrieval System (PPIRS) for Government use in evaluating past performance as part of a source selection action.
3. We request that you furnish the Contracting Officer (CO) with the name, position title, phone number, and email address for each person designated to have access to your firm's past performance evaluation(s) for the contract no later than **30 days after award.** Each person granted access will have the ability to provide comments in the Contractor portion of the report and state whether or not the Contractor agrees with the evaluation, before returning the report to the Assessing Official (AO). Information in the report must be protected as source selection sensitive information not releasable to the public.
4. When your Contractor Representative(s) are registered in CPARS, they will receive an automatically generated email with detailed login instructions. Further details, systems requirements, and training information for CPARS is available at https://www.cpars.gov/.
5. Within 60 days after the end of a performance period, the AO will complete an interim or final past performance evaluation, and the report will be accessible at https://www.cpars.gov/.
    1. Contractor Representatives may then provide comments in response to the evaluation, or return the evaluation without comment.
    2. Your comments should focus on objective facts in the AO's narrative and should provide your views on the causes and ramifications of the assessed performance.
    3. All information provided should be reviewed for accuracy prior to submission.
    4. If you elect not to provide comments, please acknowledge receipt of the evaluation by indicating "No comment" in the space provided, and then selecting "Accept the Ratings and

Close the Evaluation".

5. Your response is due within 60 calendar days after receipt of the CPAR. On day 15, the evaluation will become available in PPIRS-RC marked as "Pending" with or without comments and whether or not it has been closed.
6. If you do not sign and submit the CPAR within 60 days, it will automatically be returned to the Government and will be annotated: "The report was delivered/received by the contractor on (date). The contractor neither signed nor offered comment in response to this assessment."

6. The following guidelines apply concerning your use of the past performance evaluation:
   a. Strictly control access to the evaluation within your organization. Ensure the evaluation is never released to persons or entities outside of your control.
   b. Protect the evaluation as source selection information. After review, transmit the evaluation by completing and submitting the form through CPARS. If for some reason you are unable to view and/or submit the form through CPARS, contact the CO for instructions.
   c. Prohibit the use of or reference to evaluation data for advertising, promotional material, pre-award surveys, responsibility determinations, production readiness reviews, or other similar purposes.
7. If you wish to discuss a past performance evaluation, you should request a meeting in writing to the CO no later than seven days following your receipt of the evaluation. The meeting will be held in person or via telephone or other means during your 60-day review period.
8. A copy of the completed past performance evaluation will be available in CPARS for your viewing and for Government use supporting source selection actions after it has been finalized.
9. The following Contract representatives are authorized to respond to performance evaluations in CPARS under this BPA:

PRIMARY
*NAME
*POSITION / TITLE
*EMAIL
* PHONE

**** To be provided by Contractor Post-Award***

3.12 CONTRACTOR'S TECHNICAL QUOTATION

The Contractor's quotation shall be incorporated into this award. In the event of any inconsistency, discrepancy, or conflict between the RFQ, the award terms and conditions, and the contractor's quote, the award terms and conditions shall take precedence unless otherwise expressly stated in the award.

3.13 FEDERAL ACQUISITION REGULATIONS (FAR) CLAUSES

3.13.1 In accordance with FAR 52.252-2, this solicitation incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. The Contractor shall comply with these clauses unless the circumstances do not apply. Upon request, the Contracting Officer will make their full text available. The full text of a clause may be accessed electronically at https://www.acquisition.gov/far/ and https://www.acquisition.gov/far-overhaul .

Clause	Date	Title
52.203-6, Alternate I	Jun 2020	Restrictions on Subcontractor Sales to the Government

Clause	Date	Title
52.203-12	Jun 2020	Limitation on Payments to Influence Certain Federal Transactions
52.203-17	Nov 2023	Contractor Employee Whistleblower Rights
52.203-19	Jan 2017	Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements
52.204-13	Deviation March 2026	System for Award Management Maintenance
52.204-19	Dec 2014	Incorporation by Reference of Representations and Certifications
52.209-6	Deviation May 2026	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, Proposed for Debarment, or Voluntarily Excluded
52.209-10	Deviation May 2026	Prohibition on Contracting with Inverted Domestic Corporations
52.212-4, Alternate I	Deviation March 2026	Contract Terms and Conditions—Commercial Products and Commercial Services
52.217-2	Oct 1997	Cancellation Under Multiyear Contracts
52.219-6	Deviation March 2026	Notice of Total Small Business Set-Aside
52.219-8	Deviation Jan 2026	Utilization of Small Business Concerns
52.219-14	Deviation March 2026	Limitations on Subcontracting
52.219-28	Deviation March 2026	Postaward Small Business Program Representation
52.222-3	Deviation May 2026	Convict Labor
52.222-35	Deviation May 2026	Equal Opportunity For Veterans
52.222-36	Deviation May 2026	Equal Opportunity for Workers with Disabilities
52.222-37	Deviation May 2026	Employment Report on Veterans
52.222-19	Deviation May 2026	Child Labor—Cooperation with Authorities and Remedies
52.222-50	Deviation May 2026	Combating Trafficking in Persons
52.222-90	Deviation May 2026	Addressing DEI Discrimination by Federal Contractors
52.223-23	Deviation May 2026	Sustainable Products and Services
52.232-33	Oct 2018	Payment by Electronic Funds Transfer—System for Award Management
52.232-40	Mar 2023	Providing Accelerated Payments to Small Business Subcontractors
52.233-3	Sep 2016	Protest After Award
52.233-4	Oct 2004	Applicable Law for Breach of Contract Claim

Clause	Date	Title
52.240-91	Deviation March 2026	Security Prohibitions and Exclusions
52.252-6	Nov 2020	Authorized Deviations in Clauses

3.14 CANCELLATION CEILING

This is a multiyear contract. Consistent with FAR 17.106-1(c), the identified startup, nonrecurring, and other amortized costs for this contract are TBD at Award. There is no cancellation ceiling for the first 12 months of the period of performance as they are not subject to cancellation. Should this contract be cancelled as of the start of the 13th month of the period of performance, the contract will be subject to a cancellation ceiling of TBD at Award.

SECTION 4
QUOTATION PREPARATION INSTRUCTIONS

4.1 QUOTATION PREPARATION

A quotation shall be considered for award when the quotation is received by the due date and time established in this RFQ and is submitted in accordance with the instructions provided in this Section.

The quotation shall be clear, concise, and sufficiently detailed to demonstrate the Quoter's capability to meet the Government's requirements. The Government intends to evaluate quotations in an efficient and minimally burdensome manner in accordance with RFO FAR Part 12. Quoters should not submit general marketing materials unless such materials directly support the Quoter's proposed technical approach, past performance, or price.

The Government may consider all timely quotations received. The Contracting Officer may exercise business judgment in deciding whether to accept a quotation received after the due date or time.

4.2 QUOTATION SUBMISSIONS

Quoters shall submit a complete quotation addressing the following:

1. Technical Approach

The technical quotation shall describe the quoter's approach to performing the required tasks, including project management, investigation planning, mobilization, notices and field coordination, geophysical surveys, core collection and testing, and data evaluation/reporting.

At a minimum, the technical quotation shall address:

- Understanding of the requirement and proposed approach to completing the work;
- Proposed staffing and key personnel, including roles, responsibilities, qualifications, and relevant experience;
- Proposed vessel approach, including whether the vessel will be provided by the quoter or a subcontractor;
- Vessel capabilities, availability, limitations, and suitability for the required offshore survey and core collection work;
- Approach to geophysical surveys, core collection, sediment sampling, testing, data evaluation, and reporting;
- Proposed schedule and major milestones;
- Identification of proposed subcontractors, if any, and the work each subcontractor will perform; and
- Any assumptions, risks, exclusions, or Government support required.

2. Past Performance

The past performance quotation shall include up to three recent and relevant projects performed within the last five years that are similar in size, scope, and complexity to this requirement.

For each project, the quoter shall provide:

- Customer name;
- Contract or project number, if applicable;

- Period of performance;
- Dollar value;
- Brief description of the work performed;
- Whether the quoter performed as a prime contractor or subcontractor;
- Description of the relevance to this requirement; and
- Point of contact with current email address and telephone number.

The Government may consider past performance information provided by the quoter and information obtained from other sources, including CPARS and commercial sources.

3. Price

Business Information. The Quoter shall provide its legal business name, Unique Entity Identifier (UEI), CAGE code, SAM.gov registration status, business size under NAICS 541360, address, point of contact, telephone number, and email address. The quote shall include a statement that the quote is valid for 120 days.

Quoters shall submit pricing using **Attachment 3 – Pricing Template** and **Attachment 4 – Vessel Information and Pricing Form**. These attachments are provided to ensure pricing is submitted in a consistent format and to allow the Government to compare quotations on a common basis.

Quoters shall provide pricing by task for each task identified in the Statement of Work:

1. Task 1 – Project Management

2. Task 2 – Identify Investigation Area and Create Investigation Plan

3. Task 3 – Mobilization, Notices, and Field Coordination

4. Task 4 – Geophysical Surveys

5. Task 5 – Core Collection and Testing

6. Task 6 – Data Evaluation and Reporting

Quoters shall also complete **Attachment 4 – Vessel Information and Pricing Form** for each proposed vessel. The vessel form shall provide the supporting detail for vessel-related costs, including daily vessel rate, proposed vessel days, mobilization/demobilization costs, fuel, crew, standby/weather day rates, port/docking fees, equipment costs, and any other vessel-related costs, assumptions, exclusions, or limitations.

Vessel-related costs shall be summarized in the task-level pricing template and supported by the detailed vessel pricing form. Vessel-related costs shall not be double-counted. The total vessel-related amount included in the task-level pricing template shall reconcile to the detailed vessel pricing provided in the Vessel Information and Pricing Form.

Quoters shall ensure that all costs necessary to perform the requirement are included in the total proposed price/ceiling price. Quoters may add rows or provide supplemental supporting detail as necessary; however, the required task-level pricing structure shall not be altered or omitted.

The total proposed price/ceiling price shall equal the sum of all task-level pricing. Any assumptions, exclusions, limitations, or conditions affecting the proposed price shall be clearly identified. Failure to submit pricing in the required task-level format, or failure to provide the required vessel pricing detail, may result in the quotation being found insufficient for evaluation.

The Quoter is responsible for complying with the applicable limitations on subcontracting requirements set forth in FAR 52.219-14. By submission of its quotation, the Quoter certifies that its quotation and intended performance approach comply with the applicable limitation on subcontracting. The Government may rely on the Quoter's certification; however, the Government reserves the right to request additional information before award, during performance, or upon completion of the contract to verify compliance, including subcontractor information, invoices, copies of subcontracts, or other documentation showing the value of work performed by the prime contractor, similarly situated entities, and subcontractors that are not similarly situated entities.

4.3 ASSUMPTIONS, CONDITIONS, OR EXCEPTIONS

The Quoter must clearly identify all assumptions, conditions, exceptions, exclusions, or proposed deviations from the terms and conditions, requirements, deliverables, schedule, or pricing structure of this RFQ as part of its quotation.

If no assumptions, conditions, or exceptions are identified in the quotation, the Government will assume that the Quoter takes no exception to the RFQ and agrees to comply with all terms, conditions, requirements, deliverables, and performance obligations set forth in the RFQ.

It is not the responsibility of the Government to locate or interpret assumptions, conditions, exceptions, or limitations that are not clearly identified in the quotation.

This RFQ does not obligate the Government to issue an award. The Government will not be responsible for any costs incurred by a Quoter in preparing or submitting a quotation.

4.4 FAR 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make the full text available. The full text of a solicitation provision may also be accessed electronically at: https://www.acquisition.gov/ .

Provision	Date	Title / Description
52.203-11	Sep 2024	Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions
52.203-18	Jan 2017	Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements or Statements—Representation
52.204-7	Deviation March 2026	System for Award Management—Registration
52.209-2	Nov 2015	Prohibition on Contracting with Inverted Domestic Corporations-Representation
52.209-5	Aug 2020	Certification Regarding Responsibility Matters
52.209-11	Feb 2016	Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law
52.209-12	Oct 2025	Certification Regarding Tax Matters, if applicable
52.212-1	Deviation March 2026	Instructions to Offerors—Commercial Products and Commercial Services
52.212-2	Deviation March 2026	Evaluation—Commercial Products and Commercial Services

Provision	Date	Title / Description
52.219-1	Deviation March 2026	Small Business Program Representation
52.240-90	Deviation March 2026	Security Prohibitions and Exclusions Representations and Certifications
52.252-5	Nov 2020	Authorized Deviations in Provisions

4.5 QUESTIONS

Any questions regarding this RFQ must be submitted in writing to the Contracting Officer no later than 5:00 pm EDT June 15, 2026.

Questions will not be answered by telephone. The Government reserves the right to provide responses to questions to all prospective Quoters when the Government determines the information is necessary or beneficial to the competition.

4.6 QUOTATION DUE DATE AND METHOD OF DELIVERY

Quotations submitted in response to this RFQ shall be delivered no later than 5:00 pm July 6, 2026 EDT.

Quotations shall be submitted by email to:

Contracting Officer: Jennifer Moreci
Email: Jennifer_Moreci@ios.doi.gov
Subject Line: Quotation for RFQ No. [insert RFQ number]

Quotations shall be submitted in Microsoft Word, Microsoft Excel, Adobe PDF, or another format approved by the Contracting Officer. It is the Quoter's responsibility to ensure that the Government receives the quotation by the specified due date and time.

SECTION 5
EVALUATION

5.1 EVALUATION FACTORS

The Government will evaluate timely quotations using the following factors: **Technical, Past Performance, and Price**. The evaluation will be conducted in an efficient and minimally burdensome manner. The evaluation procedures are not subject to FAR Part 15 or FAR Part 14, and the Government is not required to score quotations, establish a competitive range, or conduct discussions.

Technical. The Government will evaluate the quoter's technical approach based on how well the proposed services meet the Government's requirement. The evaluation will consider the quoter's understanding of the requirement, proposed approach to performing the required tasks, staffing and management approach, vessel and field support approach, ability to perform the geophysical survey and core collection/testing requirements, and ability to provide the required data evaluation and reporting.

Past Performance. The Government will evaluate past performance based on the quoter's demonstrated record of performing work that is relevant to this requirement. The Government may consider information from CPARS, information provided by the quoter, past performance questionnaires, commercial market experience, subcontractor experience, and other sources available to the Government. The Government may consider both Government and commercial experience, including experience performing as a prime contractor or subcontractor.

Price. The Government will evaluate price based on the total proposed ceiling price, fixed hourly rates, labor mix, estimated hours, vessel costs, materials, travel, other direct costs, subcontractor costs, and the consistency of the price quotation with the Quoter's technical approach. The Government may also evaluate whether the proposed price is reasonable for the proposed approach.

5.2 BASIS FOR AWARD

Award will be made to the responsible quoter whose quotation conforms to the RFQ and represents the best value to the Government, considering Technical, Past Performance, and Price. The Government may use a comparative evaluation of quotations to determine which quotation provides the most advantageous combination of technical capability, relevant past performance, and price.

Technical and Past Performance, when combined, are more important than Price. However, Price will become more important as the differences between quotations under the non-price factors become less significant. The Government is not required to select the lowest-priced quotation if another quotation is determined to provide a better value to the Government. Likewise, the Government is not required to make award to the highest technically rated quotation if the benefits do not justify the price premium.

The Government may make award without exchanges with quoters. Therefore, each quoter should submit its best technical and price quotation in its initial submission.

SECTION 6
ATTACHMENTS

No.	Title	No. of Pages
1	Investigation Areas and Potential Sand Source Maps	3
2	Suggested Table of Contents for Final Report	2
3	Task Pricing Excel sheet Template	1 file
4	Vessel Information Form	2

Attachment 1

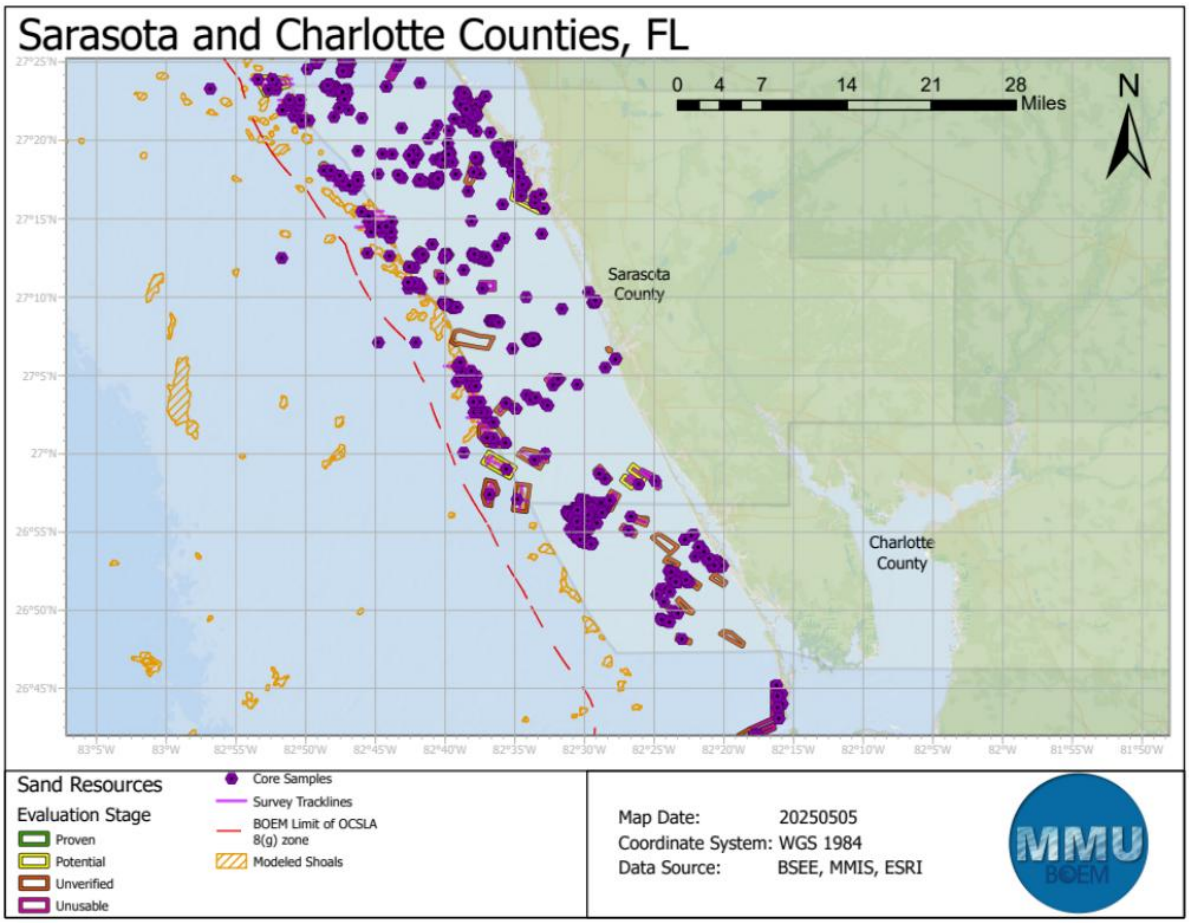

Figure 1. Sarasota and Charlotte Counties, FL, with previous cores, modeled shoals, and survey tracklines.

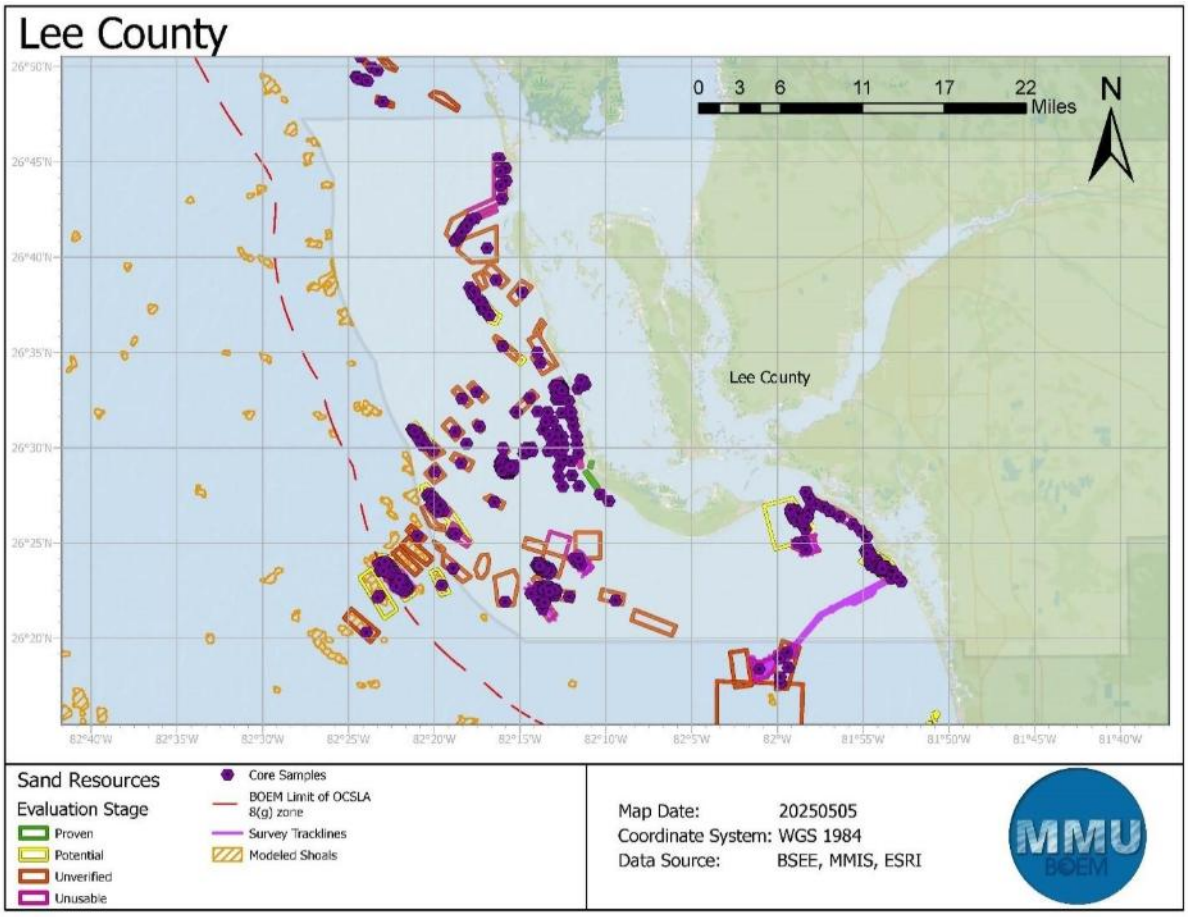

Figure 2. Lee County, FL, with previous core locations, modeled shoals, and survey tracklines.

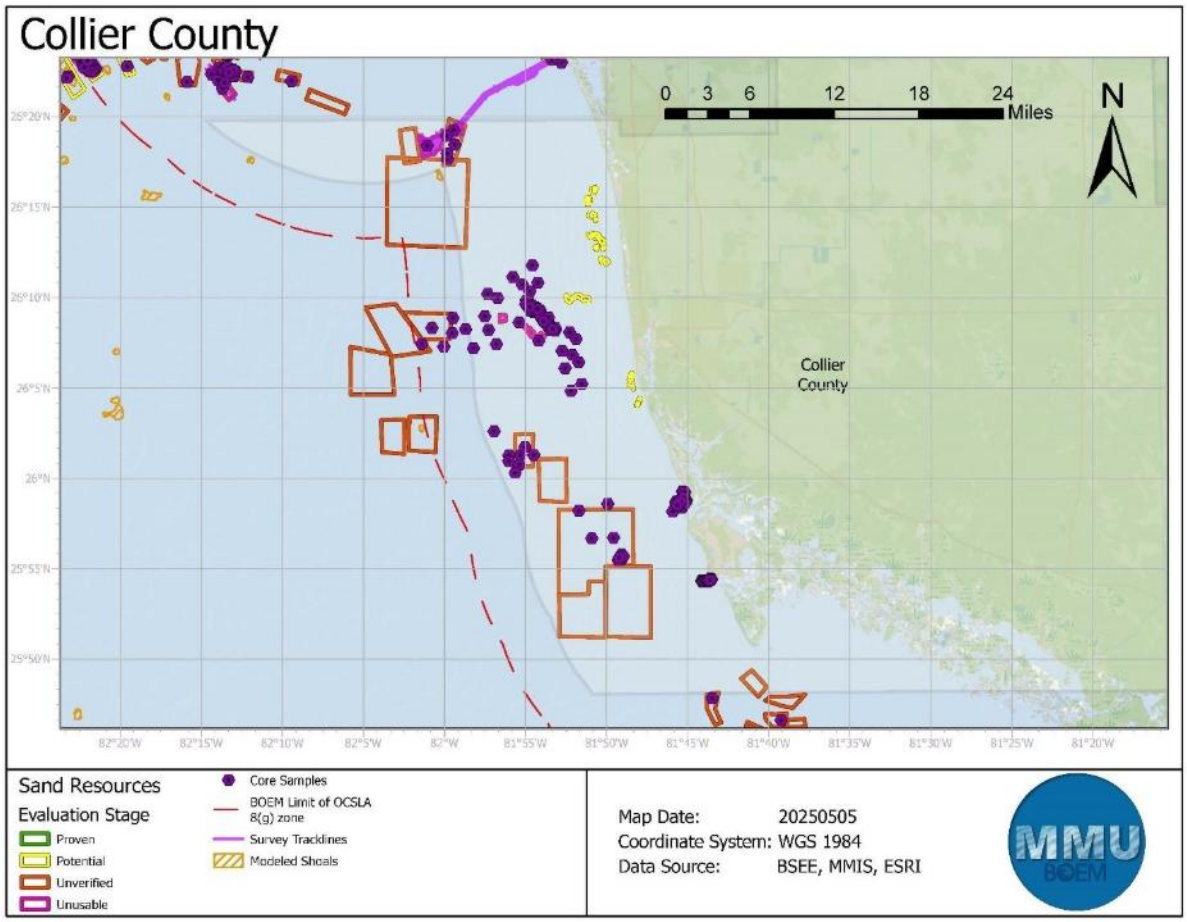

Figure 3. Collier County, FL, with previous core locations, modeled shoals, and survey tracklines.

Attachment 2

Suggested Table of Contents template for the final investigation report.

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1.1 Scope

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2.3.2 Seismic Reflection Profile Survey Boomer/Sparker

2.3.3 Multibeam Bathymetric Survey

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2.3.5 Side Scan Sonar Survey

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4.2 Sample Testing

4.3 LPSA/Sieve Analysis

4.4 Calcium Carbonate Analysis

4.5 Post-Carbonate LPSA/Sieve Analysis

4.6 Data Archiving

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5.1 Existing/Native Beach

5.2 Restoration Sediments Encountered

5.3 Description of Investigation Areas and Sediments Encountered

5.3.1 Area 1

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Table 3.1 Location and Description of Core/Borings
Table 5.1 Sediment Sample Beach Compatibility Parameters
Table 5.2 Investigation Area 1 Core Data
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LIST OF APPENDICES

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APPENDIX B Investigation Area Geological Profiles
APPENDIX C Sediment Sample Testing Summary Table
APPENDIX D Core Logs, Grain Size Distribution Curves, Granulometric Tables, and Photos
APPENDIX E Geophysical Survey Results
APPENDIX F Geophysical Investigation Plan

Attachment 4 – Vessel Information Form

Quoters shall complete this form for each proposed vessel. If more than one vessel is proposed, submit a separate form for each vessel.

Item	Quoter Response
Vessel name	
Vessel owner/operator	
Vessel provided by prime or subcontractor	
Proposed vessel role	
Vessel type/class	
Home port / mobilization location	
Length / beam / draft	
Passenger/crew capacity	
Maximum offshore endurance	
Operating area limitations, if any	
Sea-state/weather operating limitations	
Deck space and load capacity	
Crane, A-frame, winch, or lifting capability, if applicable	
Survey equipment supported	
Coring/sampling equipment supported	
Power/data connection availability for survey equipment	
Required certifications, inspections, or documentation	
Safety plan or safety management system	
Availability for proposed period of performance	
Prior relevant projects performed using this vessel	

Vessel Pricing

Cost Element	Quoter Response
Daily vessel rate	
Number of proposed vessel days	
Minimum day commitment, if applicable	
Mobilization cost	
Demobilization cost	
Standby/weather day rate	
Overtime or extended operating day rate, if	

Cost Element	Quoter Response
applicable	
Fuel included in daily rate? If no, provide estimated fuel cost	
Crew included in daily rate? If no, provide estimated crew cost	
Equipment included in daily rate? If no, identify separately priced equipment	
Port, docking, or harbor fees, if applicable	
Insurance, inspection, or permit costs, if separately priced	
Other vessel-related costs	
Total proposed vessel-related cost	
Vessel pricing assumptions, exclusions, or limitations	