

NGDA Dataset Report

Official NGDA Title: Federal Sand and Gravel Borrow Areas (Lease Areas)

Metadata Record Title: Federal Sand and Gravel Borrow Areas (Lease Areas)

A-16 NGDA Theme: Geology

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Metadata:

Registration Status: Complete

Registered on 9/8/2015

GeoPlatform Link*: <http://www.geoplatform.gov/node/243/02ed79cf-6bf2-4c50-aff9-b01ffad17132>

Data.gov Metadata Link*: <http://catalog.data.gov/harvest/object/d0d2f912-74be-43c1-a55f-b45da5e2b68d/html>

*If the metadata has been updated and reharvested after publication of this report, the link may no longer be valid. The dataset may be searched for manually in Data.gov or GeoPlatform.gov.

NGDA Lifecycle Maturity Assessment (LMA) Report

Time Frame:

Baseline assessment responses include dataset activities (Offshore Federal Sand and Gravel Borrow Areas (Lease Areas) from 1996 to 2015.

LMA Submission:

Status: Complete

Date: 9/14/2015

Extension Requested: No

LMA Reviewer(s):

Supervisor: Jeff Reidenauer

Theme Lead: Kumkum Ray

Executive Champion: Did not review

SAOGI*: Did not review

Other: Did not review

LMA Verifier:

Name: Did not review.

Email: jeffrey.reidenauer@boem.gov

Attachments:

To get access to any attachments referenced in the report, email the LMA Help Desk at NGDA_LMA_help@fgdc.gov. Please use the subject "Dataset Report Attachment(s)" and indicate the associated official NGDA title.

*Senior Agency Official for Geospatial Information (SAOGI)

Lifecycle Maturity Assessment (LMA) Summary

Overall Maturity:

Transition; Transformation

General Questions: 32%

Transition; Transformation

Stage 4 - Access: 25%

Planned; Initial Development

Stage 1 - Define/Plan: 36%

Transition; Transformation

Stage 5 - Maintain: 28%

Planned; Initial Development

Stage 2 - Inventory/Evaluate: 25%

Managed; Predictable

Stage 6 - Use/Evaluate: 55%

Managed; Predictable

Stage 3 - Obtain: 61%

Managed; Predictable

Stage 7 - Archive: 33%

Transition; Transformation

NGDA Dataset Maturity Definitions:

How To Calculate Maturity: https://www.geoplatform.gov/sites/default/files/How_to_Calculate_Maturity.pdf

Maturity	Maturity Characteristics for All Lifecycle Stages
Optimized; Established Rank = 5	Dataset meets virtually all business needs of all users. The dataset is considered authoritative by owners and secondary users. It is curated across all stages of the approved lifecycle. Future needs are defined on a regular basis and resources for addressing both current and future business requirements are available.
Mature; Consistent Rank = 4	Dataset meets all the business needs of the primary owner and most of the secondary users. The dataset is curated and used as authoritative by the primary owner. Dataset is used widely by secondary users actively engaged in sustaining the dataset. Future needs are identified and steps are planned to address these. All stages are supported and reviewed on a recurring basis. The dataset is well managed in relation to the approved lifecycle.
Managed; Predictable Rank = 3	Dataset meets a significant number of the business needs of the primary owner and is widely used as an authoritative resource by secondary users. Benchmark activities are occurring in at least four of the approved lifecycle stages. Management practices in relation to the approved lifecycle is moderate but consistent. Dataset is integrating changing business requirements in lifecycle stages impacting overall maturity.
Transition; Transformation Rank = 2	Dataset meets business needs of the primary owner and has moderate use by secondary users. Benchmark activities are occurring in at least three stages. Efforts to integrate funding, include partners, and obtain data are not supported in a sustained manner. Management practices in relation to the stages of the approved lifecycle is limited.
Planned; Initial Development Rank = 1	Dataset limited in meeting business needs of the primary owner. Benchmark activities in the approved lifecycle are just starting to consider secondary uses, partnerships are forming to support additional dataset uses. Dataset development is in a very early stage. Minimal or limited management against the benchmarks in the approved lifecycle.
No Activity Rank = no activity	Dataset meets project or local business needs of the primary owner, secondary or additional uses or users were not considered, not recognized as an authoritative data or is part of a similar dataset. Not managed to any of the benchmarks in the approved lifecycle.

General Questions for All Stages

1) Is there a recurring process to obtain funding for all lifecycle stages of this dataset?

Answer: Funding is from local offices, budgeting effort minimal, staffing minimal.

Justification Comment:

Attachment(s): 0

Source of funding is from Office of Strategic Resources (BOEM). New budget line in 2014 for the Marine Minerals Program and one new FTE hired in 2013. Marine Minerals Program was previously an unfunded program.

2) Is there a process in place to ensure that open government and transparency guidelines are followed in all lifecycle stages for this dataset?

Answer: Process under development.

Justification Comment:

Attachment(s): 0

Steps have been taken to ensure openness in communication and accountability. Specifically access constraints and Security Information / Classifications to include handling restrictions included in the metadata.

3) Are there processes and tools in place so that staff are sufficiently knowledgeable to ensure a continuity of the dataset for all stages of the lifecycle, especially during staffing transitions?

Answer: Processes and tools to ensure dataset continuity are under development.

Justification Comment:

Attachment(s): 0

Data Management, Workflow and Technical Instructions manuals are in development and under contract EA133C-11-CQ-0009/T-0045. Staff roles are in development.

STAGE 1 - Define/Plan

4) Are user and business requirements defined and formalized?

Answer: A recurring process exists for gathering partners/ stakeholders requirements is in place and is in the beginning stages of implementation.

Justification Comment:

Attachment(s): 0

BOEM has a leasing process for offshore leases. BOEM receives lease requests from Federal, state and local requirements. There is informal coordination for offshore sand resource needs. The guidance document (internal) is in a review process.

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

5) How are partners/stakeholders involved in the requirements collection process?

Answer: Ad hoc process is used for involving Partners/stakeholders in identifying requirements.

Justification Comment:

Attachment(s): 0

BOEM facilitates Sand Management Working Groups to update on offshore sand management activities, obtain feedback on processes and future needs / projects. BOEM is in process of reviewing data submission deliverable needs such as accuracy, scale, etc... to improve data quality and re-use.

BOEM directly coordinates with State Geologists, State agencies and academia for sand resource needs / coastal re-nourishment projects.

Collaboration also occurs with USACE, USGS and NOAA on offshore geophysical and geological collection needs.

6) Is there a quality assurance process for the dataset?

Answer: Process under development.

Justification Comment:**Attachment(s):** 0

Quality control processes started.

7) Is there a process to evaluate the sensitivity, privacy, and confidentiality of this dataset?**Answer:** Process to define under development.**Justification Comment:****Attachment(s):** 0

As data is developed, currently information records and data are tagged Sensitive But Unclassified for proprietary and for restricted access data that is not releasable to the public in the metadata record.

8) Are defined data standards used in collecting, processing, and/or rendering the data?**Answer:** Standards being researched and/or under development.**Justification Comment:****Attachment(s):** 0

Accuracy requirements, collection methods, data formats, attribute specifications are in development.

STAGE 2 - Inventory/Evaluate**9)** Is there a process for determining if data necessary to meet requirements already exist from other sources (either within or outside the agency) before collecting or acquiring new data?**Answer:** Process is under development to identify datasets promoting reuse and reduce unnecessary duplication.**Justification Comment:****Attachment(s):** 0

We are the only agency to lease offshore minerals in federal waters. Collaboration with state and Federal agencies for identifying similar geophysical and geological datasets to identify offshore sand resource before collecting new data for re-nourishment projects.

STAGE 3 - Obtain**10)** Is there a process for obtaining data in relation to this dataset?**Answer:** Process is under development.**Justification Comment:****Attachment(s):** 0

Geodatabase prototype is under contract for the Marine Minerals Program. Dataset creation process workflow is in draft.

11) Is the metadata in a FGDC endorsed geospatial metadata standard?**Answer:** Metadata is available in a format endorsed by the FGDC, it fully describes the dataset and provides all the information required to make the dataset discoverable, accessible, and usable.**Justification Comment:****Attachment(s):** 0

New dataset with The Federal Geographic Data Committee's Content Standard for Digital Geospatial Metadata (CSDGM), Version 2 (FGDC-STD-001-1998). We are still in development towards the ISO 19115, we need technical help with the implementation.

12) How complete is the geographic coverage as defined in the requirements for the dataset?**Part 1 Answer:** Business requirement targets identified for completing geographic coverage. Cyclic updates for refreshing dataset in early phases.**Part 2 Answer:** Dataset has presently attained the greatest geographic coverage as defined by the current requirements or roughly 100%.**Justification Comment:****Attachment(s):** 0

All lease areas are up to date as of August 31st, 2015. The lease area dataset will be updated on a irregular basis (as new leases are signed.) There is a need for a separate NGDA dataset - Offshore sand / mineral resources. This dataset has not been built yet.

STAGE 4 - Access

13) Do you have a process for providing users access to the data in an open digital machine readable format?

Answer: Process is under development.

Justification Comment: **Attachment(s):** 0
Our current process is ad hoc, we build the data set and then provide the dataset to the Marine Cadastre team for upload for public access. We have a tentative plan to build an application programming interface in 2017.

STAGE 5 - Maintain

14) Is there a maintenance process for updating and storing the dataset?

Answer: Dataset maintenance process is under development.

Justification Comment: **Attachment(s):** 0
Standard operating procedures drafted not tested, they will be tested in FY2016. Technical requirements for IT hosting and data maintenance needs have been submitted to the DOI OCIO. (Draft internal document - DOI Cloud Hosting Specification dated August 6th, 2015.)

15) Is there an error correction process as part of dataset maintenance?

Answer: Error correction process under development.

Justification Comment: **Attachment(s):** 0
Errors are corrected and updated dataset will be re-submitted to the Marine Cadastre. Marine Cadastre has a notification process to registered users when data sets are updated.

STAGE 6 - Use/Evaluate

16) Is there a process to determine if the dataset meets user needs?

Answer: Process is being developed to determine if user needs are being addressed or met.

Justification Comment: **Attachment(s):** 0
New data set, we will be using informal feedback from communities of interest.

17) Is there a process to provide users information on how to access and properly use the dataset?

Answer: Process implementation started for access and proper use.

Justification Comment: **Attachment(s):** 0
Access and use documented in metadata, need to assess if sufficient. This is a new dataset.

The updated metadata file was submitted by Chris Taylor - the title was corrected from Planning and Administration to Federal outer Continental Shelf (OCS) Sand and Gravel Borrow Areas (Lease areas). BOEM is still pending this to update in data.gov.

<http://catalog.data.gov/harvest/object/1be14a6d-4d95-4a43-8a8f-9df5d72994da/original>

<http://catalog.data.gov/dataset/planning-and-administration>

18) Are the business processes and management practices assessed to meet changing technology?

Answer: Assessment process implementation started for taking advantage of changing technology.

Justification Comment: **Attachment(s):** 0
Geodatabase for the Marine Minerals Program is in development. file and / or relational geodatabases are being built versus shapefiles.

STAGE 7 - Archive

19) Is there an archiving process for the dataset?

Answer: Archival and/or disposition processes are in development.

Justification Comment:

Attachment(s): 0

Inventorizing geospatial data for long-term management is in progress. Data life cycle to be determined.