

NGDA Dataset Report

Official NGDA Title: Outer Continental Shelf Block Aliquots

Metadata Record Title: Outer Continental Shelf Block Aliquots - Atlantic Region NAD83

A-16 NGDA Theme: Cadastre

Executive NGDA Theme Champion(s):

Name: Jerry Johnston

Agency: DOI

Email: jerry_johnston@ios.doi.gov

Theme Lead(s):

Name: Don Buhler

Agency: BLM

Email: dbuhler@blm.gov

Dataset Manager(s):

Name: Stephen Creed

Agency: BOEM

Email: Stephen.Creed@boem.gov

Metadata:

Registration Status: Complete

Registered on 6/18/2015

GeoPlatform Link*: <https://www.geoplatform.gov/node/243/80259a2e-0849-4c6b-8ad3-e1dbcf7635fd>

Data.gov Metadata Link*: <http://catalog.data.gov/harvest/object/51d57d63-bb19-4bb7-a054-e2c88ba2e85c/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:

2010-2015

LMA Submission:

Status: Complete

Date: 10/28/2015

Extension Requested: No

LMA Reviewer(s):

Supervisor: Did not review

Theme Lead: Did not review

Executive Champion: Did not review

SAOGI*: Did not review

Other: Christine Taylor, christine.taylor@boem.gov

LMA Verifier:

Name: Christine Taylor

Email: christine.taylor@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:

Managed; Predictable

General Questions: 90%

Optimized; Established

Stage 4 - Access: 100%

Optimized; Established

Stage 1 - Define/Plan: 75%

Mature; Consistent

Stage 5 - Maintain: 0%

No Activity

Stage 2 - Inventory/Evaluate: 100%

Optimized; Established

Stage 6 - Use/Evaluate: 0%

No Activity

Stage 3 - Obtain: 66%

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 support is part of agency budget on a recurring basis, funding is consistent and tied to business processes, and supports all lifecycle stages.

Justification Comment:

Attachment(s): 0

This dataset is produced by the BOEM Mapping and Boundary Branch and is currently in the process of being redeveloped through an ESRI contract. The aliquots are based on a UTM grid at even 1200 meter corners throughout most of the spatial area and is accurate to within 1 meter. The area bordering the Fed/State line is subject to more inaccuracies due to the changing boundary. The new version produced through the ESRI contract will provide a much simpler and more accurate way to update the irregular blocks along the boundary

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 is published as appropriate with respect to sensitivity requirements, process is transparent, published appropriately.

Justification Comment:

Attachment(s): 0

BOEM Mapping and Boundary Branch has standard for these processes.

<http://www.boem.gov/Boundary-Policies-and-Procedures/>

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 defined and beginning to be implemented.

Justification Comment:

Attachment(s): 0

Currently the dataset is static, but as the updated version emerges from the new contract, the latest version will be continually updated as needed and made available to OREP.

STAGE 1 - Define/Plan

4) Are user and business requirements defined and formalized?

Answer: A recurring process is in place, including defining new partner and stakeholder business needs as they arise, and is fully implemented.

Justification Comment:

Attachment(s): 0

The main stakeholders for aliquot locations along the Fed/State boundary are the states themselves. Erosion can cause the boundary to move which can reduce revenue to states as the area is consumed by federal jurisdiction. Processes are now in place that allow states to freeze the location of the fed/state boundary to avoid future area loss.

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

Answer: Not Applicable (NA).

Justification Comment:

Attachment(s): 0

ID'd last question.

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

Answer: Process established, significant portions of the documentation is complete.

Justification Comment:

Attachment(s): 0

<http://www.boem.gov/Oil-and-Gas-Energy-Program/Mapping-and-Data/Procedures.aspx>

7) Is there a process to evaluate the sensitivity, privacy, and confidentiality of this dataset?

Answer: Sensitivity, privacy, and confidentiality evaluations fully implemented, reviewed and updated on a recurring basis.

Justification Comment:

Attachment(s): 0

Dataset entirely public.

8) Are defined data standards used in collecting, processing, and/or rendering the data?

Answer: Standards fully implemented documented and published as appropriate.

Justification Comment:

Attachment(s): 0

http://www.boem.gov/uploadedFiles/BOEM/Oil_and_Gas_Energy_Program/Mapping_and_Data/99-0006.pdf

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 for determining appropriate data is being reused fully implemented, reviewed, and updated on a regular basis.

Justification Comment:

Attachment(s): 0

I'm not sure why there is not a answer choice of no for this question. There is no other duplicate data to be used for the leasing of BOEM cadastre blocks. BOEM created the leasing process and the cadastre for leasing in federal waters.

STAGE 3 - Obtain

10) Is there a process for obtaining data in relation to this dataset?

Answer: No.

Justification Comment:

Attachment(s): 0

No. The data is produced internally by the Mapping and Boundary Branch.

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

Available on data.gov

12) How complete is the geographic coverage as defined in the requirements for the dataset?

Part 1 Answer: Business requirements for cyclic updates identified and a process is in place.

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

Atlantic Outer Continental Shelf - Maine to Florida. Blocks at 1 meter resolution. The blocks used for leasing do not intersect States Land Act (3nm) boundary and do not need to be updated for accuracy do to erosion.

STAGE 4 - Access

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

Answer: User access process is fully implemented, data is available, process is reviewed and

updated on a recurring basis.

Justification Comment:

Attachment(s): 0

The data is available on the BOEM web page, viewable and downloadable on marinecadastre.gov and available on data.gov.

STAGE 5 - Maintain

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

Answer: No.

Justification Comment:

Attachment(s): 0

The stored dataset is backed up and maintained on BOEM servers. Copies are also maintained on NOAA servers. Updating was addressed in previous questions.

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

Answer: No.

Justification Comment:

Attachment(s): 0

No.

STAGE 6 - Use/Evaluate

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

Answer: No.

Justification Comment:

Attachment(s): 0

The dataset is authoritative representation of leasing blocks and must adhere to the long established BOEM block cadastre and cannot be represented in another form. Zipped shapefile has been used for the delivery format due to feedback from outside users.

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

Answer: No.

Justification Comment:

Attachment(s): 0

Yes for providing access to the dataset on marinecadastre.gov and data.gov.

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

Answer: No.

Justification Comment:

Attachment(s): 0

Shapefiles are still used for delivery due to their ubiquity and the extremely simple file and table structure of the leasing areas dataset.

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

For the aliquots this is still uncertain, but will be address in the ESRI contract for later aliquot development.