

NGDA Dataset Report

Official NGDA Title: BIA Indian Lands Dataset (Indian Lands of the United States)

Metadata Record Title: BIA Indian Lands Dataset (Indian Lands of the United States)

A-16 NGDA Theme: Cadastre

Executive NGDA Theme Champion(s):

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Metadata:

Registration Status: Complete

Registered on 4/6/2015

GeoPlatform Link*: <https://www.geoplatform.gov/node/243/6b0d7976-e45f-457e-896c-20c964854a29>

Data.gov Metadata Link*:

*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 historic information from 2005

LMA Submission:

Status: Complete

Date: 10/2/2015

Extension Requested: No

LMA Reviewer(s):

Supervisor: Wyeth Wallace

Theme Lead: Travis Blacketter

Executive Champion: Did not review

SAOGI*: Did not review

Other: Did not review

LMA Verifier:

Name: Wyeth Wallace

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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:

Planned; Initial Development

General Questions: 16%

Planned; Initial Development

Stage 4 - Access: 25%

Planned; Initial Development

Stage 1 - Define/Plan: 31%

Transition; Transformation

Stage 5 - Maintain: 16%

Planned; Initial Development

Stage 2 - Inventory/Evaluate: 25%

Managed; Predictable

Stage 6 - Use/Evaluate: 22%

Planned; Initial Development

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

Currently coordinating with supporting offices including, but not limited to, information technology, records management, data centers, including archiving and ultimate disposition, etc.

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 taken to ensure that dataset processes include openness in communication and accountability (i.e. - improves opportunities for public participation and collaboration, announcements such as Federal Register, marketplace utilization, etc.), actions are performed in an open manner appropriate to the sensitivity requirements* determined for the dataset including consideration of Controlled Unclassified Information (CUI)**, records management assessment and long-term value financial commitments considered, for official use only (FOUO), etc.

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: No.

Justification Comment:

Attachment(s): 0

Currently working to establish a procedure so that documentation is sufficient to preserve, protect, and provide for continuity of the dataset (i.e.- data management documentation, standard operating procedures (SOP), etc.); dataset has been assessed for records management requirements and long-term value; continuity of operations as they pertain to the dataset are assessed; tools and strategies for knowledge transfer are implemented; staff roles, responsibilities, education and experience are in line with agency standards, guidelines, and policies to ensure dataset continuity; ensuring staff are appropriately trained through professional development opportunities for education, networking, and sharing with the goal to ensure dataset continuity; dataset continuity knowledge is transferred during staff transitions; etc.

STAGE 1 - Define/Plan

4) Are user and business requirements defined and formalized?

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

Justification Comment:

Attachment(s): 0

Currently working to establish and identify user and agency requirements, agency collection process i.e. - review organizational documentation, evaluate internal and external needs, timeliness, dataset resolution or scale needed, dataset geographic extent, review and evaluate existing business requirements, data quality requirements, sensitivity requirements, records management and archive control considered, etc.

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

Partners/stakeholders for the dataset are identified at all levels (i.e. - local, regional, national, etc.); partners/stakeholders are involved and supporting the dataset; roles and responsibilities of partners/stakeholders is defined; etc.

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

Answer: Process under development.

Justification Comment:

Attachment(s): 0

Normal in place office QC processes are utilized to include:ensuring the dataset has quality assurance, quality control processes started, quality action planning, dataset is in compliance with the agency's information quality directives, quality management processes are in place, etc.

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

Currently working to ensure *Sensitive But Unclassified, Sensitive Security Information, unclassified/for official use only (FOUO); protected as restricted data, limited distribution, proprietary, originator controlled, law enforcement sensitive, for official use only (FOUO), etc. is not part of the dataset

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

Vintage of data used (Census 2005) in current dataset has led to some development in producing an authoritative dataset, process development currently at 45%.

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

Developing a process to produce a new authoritative datase.

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

Currently developing a data acquisition plan to procure the data, as the data is not available the creation process will include collect, produce, generate, make, build or construct, this covers any spatial data collected with government equipment and includes data that currently does not exist(new data).

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

Metadata is FGDC Compliant.

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

Vintage 2005 data did include all target areas of dataset, the geographic coverage is 100%.

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

Current dataset is a .shp that will require users to have access to ArcGis software and license. Other options include KML files.

STAGE 5 - Maintain

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

Answer: No.

Justification Comment:

Attachment(s): 0

Data is stored locally under current office protocols. No plan currently in place to change that.

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

Answer: Error correction process under development.

Justification Comment:

Attachment(s): 0

Development of procedure to create new authoritative dataset currently underway.

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

No process currently in place, user feedback will be paramount in determining if dataset meets necessary user requirements.

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

No current process in place to provide information on access and use of dataset.

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

Answer: Assessment process is being developed to take advantage of changing technology.

Justification Comment:

Attachment(s): 0

Currently reviews of effectiveness of current technology vs. new technology (ex. shapefiles vs geodatabases), value analysis for updating antiquated formats.

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

Currently working towards establishing long-term archiving requirements.