The Theme Summary report provides an overview of the status, overall maturity, and other characteristics for the NGDA Datasets within a Theme. The report identifies NGDA Datasets that have completed the Lifecycle Maturity Assessment (LMA), and presents the results by the stages in the geospatial data lifecycle. This information can assist the Theme Leads in evaluating progress and assessing overall maturity for each NGDA Theme to help facilitate support for NGDA portfolio management identified in OMB's Circular A–16.

**Theme Lead(s):**
- **Name:** Warren Williamson
- **Agency:** BSEE
- **Email:** warren.williamson@bsee.gov
- **Total NGDA Datasets:** 2

**NGDA LMA Submission Status:**
- **0 Not Started:** The LMA has not been initiated.
- **0 In Progress:** The LMA has been initiated and is in progress.
- **2 Complete:** The LMA has been submitted and quality control is complete.
NGDA Dataset Maturity Definitions


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

<table>
<thead>
<tr>
<th>Maturity</th>
<th>Maturity Characteristics for All Lifecycle Stages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optimized; Established</td>
<td>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.</td>
</tr>
<tr>
<td>Rank = 5</td>
<td></td>
</tr>
<tr>
<td>Mature; Consistent</td>
<td>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.</td>
</tr>
<tr>
<td>Rank = 4</td>
<td></td>
</tr>
<tr>
<td>Managed; Predictable</td>
<td>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.</td>
</tr>
<tr>
<td>Rank = 3</td>
<td></td>
</tr>
<tr>
<td>Transition; Transformation</td>
<td>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.</td>
</tr>
<tr>
<td>Rank = 2</td>
<td></td>
</tr>
<tr>
<td>Planned; Initial Development</td>
<td>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.</td>
</tr>
<tr>
<td>Rank = 1</td>
<td></td>
</tr>
<tr>
<td>No Activity</td>
<td>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.</td>
</tr>
<tr>
<td>Rank = no activity</td>
<td></td>
</tr>
</tbody>
</table>
General Questions
Data characteristics that are applicable to all stages.

Stage 1 - Define/Plan
Characterization of data requirements based upon business-driven user needs.

Stage 2 - Inventory/Evaluate
The creation and publication of a detailed list of data assets and data gaps (both internal and external) as they relate to business-driven user needs.

Stage 3 - Obtain
The collection, purchase, conversion, transformation, sharing, exchanging, or creation of geospatial data that were selected to meet the business needs is identified.

Key for NGDA Dataset Lifecycle Maturity Assessment Levels:

- 0/5 No Activity
- 1/5 Planned; Initial Development
- 2/5 Transition; Transformation
- 3/5 Managed; Predictable
- 4/5 Mature; Consistent
- 5/5 Optimized; Established

Created: 2015/12/31
### Utilities Theme

#### Stage 4 - Access
Making data known and retrievable through documentation and discovery mechanisms to meet user needs and business requirements.

![Stage 4 - Access Maturity Levels](image)

#### Stage 5 - Maintain
The ongoing processes and procedures to ensure that the data meet business requirements.

![Stage 5 - Maintain Maturity Levels](image)

#### Stage 6 - Use/Evaluate
The ongoing assessment, validation, and potential enhancement of data to meet user needs and business requirements.

![Stage 6 - Use/Evaluate Maturity Levels](image)

#### Stage 7 - Archive
Facilitate the appraisal, retention, storage, and accessibility of data and establish mechanisms for development of stewardship tools and services.

![Stage 7 - Archive Maturity Levels](image)

**Key for NGDA Dataset Lifecycle Maturity Assessment Levels:**

- **0/5**: No Activity
- **1/5**: Planned; Initial Development
- **2/5**: Transition; Transformation
- **3/5**: Managed; Predictable
- **4/5**: Mature; Consistent
- **5/5**: Optimized; Established

*Created: 2015/12/31*
## NGDA Dataset LMA Summary Table

<table>
<thead>
<tr>
<th>Dataset</th>
<th>Submission Status</th>
<th>Overall</th>
<th>General</th>
<th>Define</th>
<th>Inventory Evaluate</th>
<th>Obtain</th>
<th>Access Maintain</th>
<th>Use Evaluate</th>
<th>Archive</th>
<th>Agency Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer Continental Shelf Oil and Natural Gas Pipelines - Gulf of Mexico Region NAD 27</td>
<td>Complete</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>2/5</td>
<td>DOI-BSEE</td>
</tr>
<tr>
<td>Outer Continental Shelf Oil and Natural Gas Platforms - Gulf of Mexico Region NAD 27</td>
<td>Complete</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>5/5</td>
<td>4/5</td>
<td>5/5</td>
<td>DOI-BSEE</td>
</tr>
</tbody>
</table>

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