

NGDA Dataset Report

Official NGDA Title: National Weather Service County Warning Area Boundaries

Metadata Record Title: National Weather Service County Warning Area Boundaries

A-16 NGDA Theme: Governmental Units, and Administrative and Statistical Boundaries

Executive NGDA Theme Champion(s):

Name: Timothy F. Trainor

Agency: DOC-Census

Email: timothy.f.trainor@census.gov

Theme Lead(s):

Name: Lynda Liptrap

Agency: Census

Email: lynda.a.liptrap@census.gov

Dataset Manager(s):

Name: Ira Graffman

Agency: NOAA

Email: ira.graffman@noaa.gov

Metadata:

Registration Status: Complete

Registered on 4/17/2015

GeoPlatform Link*: <http://www.geoplatform.gov/node/243/f2041ace-4dfe-4c50-a0e5-2f3d46548b38>

Data.gov Metadata Link*: <http://catalog.data.gov/harvest/object/eefe1206-f145-4db8-898f-167006017996/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 includes the current version of the data set which became effective 16 April 2015

LMA Submission:

Status: Complete

Date: 11/2/2015

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: Anne Ball anne.ball@noaa.gov

LMA Verifier:

Name: Anne Ball

Email: anne.ball@noaa.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:

Mature; Consistent

General Questions: 100%

Optimized; Established

Stage 4 - Access: 100%

Optimized; Established

Stage 1 - Define/Plan: 86%

Mature; Consistent

Stage 5 - Maintain: 100%

Optimized; Established

Stage 2 - Inventory/Evaluate: 100%

Optimized; Established

Stage 6 - Use/Evaluate: 100%

Optimized; Established

Stage 3 - Obtain: 100%

Optimized; Established

Stage 7 - Archive: 0%

No Activity

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 is a baseline data set for the National Weather Service. Data set maintained and updated when needed by an FTE.

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

Data is publicly available at: <http://www.nws.noaa.gov/geodata/catalog/wsom/html/cwa.htm>

Changes are announced via Public Information Statements, the archive of which can be found here: <http://www.nws.noaa.gov/om/notif.htm>

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 in place and implemented for all lifecycle stages.

Justification Comment:

Attachment(s): 0

The actual maintenance of the data set is done by an FTE GIS Professional.

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

A local forecast office requests changes which are channeled through their regional HQ to NWS HQ where it is reviewed by NWS Analyze, Forecast and Support office

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

Local offices may check with local government organizations for comments if so desired.

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

Answer: Quality assurance published as appropriate with respect sensitivity requirements.

Justification Comment:

Attachment(s): 0

Local offices load the data into their AWIPS workstations. They visually inspect the new boundaries of their office CWA. They then run test warnings by drawing warning polygons ensuring that no counties are selected outside of their CWA.

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

This data set is freely available on the web. Besides for internal use, many outside organizations need to know what is their local Weather Forecast Office.

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

Original data set was the TIGER 2000 county boundaries. With the addition of a CWA three letter identifier the counties were "dissolved" to form the CWA boundaries.

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

CWA boundaries comprise all of the counties with in a Weather Forecast Offices area of responsibility. Whenever a county transfers to another office the polygons affected will change.

STAGE 3 - Obtain

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

Answer: Process is fully implemented, reviewed and updated on a regular basis.

Justification Comment:

Attachment(s): 0

Data set is changed or modified using the boundaries of the NWS U.S. counties data set found at <http://www.nws.noaa.gov/geodata/catalog/county/html/county.htm>.

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

FGDC is/was the standard at the time.

<http://www.nws.noaa.gov/geodata/catalog/wsom/metadata/cwameta.htm>

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

Data set has been operational for ALL NWS sites since 1995.

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 provided as a shapefile in a zip file the link being <http://www.nws.noaa.gov/geodata/catalog/wsom/html/cwa.htm>

STAGE 5 - Maintain

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

Answer: Dataset maintenance process is fully implemented and processes are reviewed and periodically updated.

Justification Comment:

Attachment(s): 0

Data set maintained/updated per request of affected offices.

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

Answer: Error correction process includes user notification, process reviewed on a recurring basis.

Justification Comment:

Attachment(s): 0

Errors reported to maintainer. Testing done by offices before implementation.

STAGE 6 - Use/Evaluate

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

Answer: Process is fully implemented and repeated on a recurring basis.

Justification Comment:

Attachment(s): 0

Users are NWS offices. Used internally to limit forecasts and warnings to the user's geographic area.

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

Answer: Process is fully implemented supporting access and proper use, process is reviewed on a recurring basis.

Justification Comment:

Attachment(s): 0

Internal documentation for the maintenance of the NWS Advanced Weather Information Processing System (AWIPS) contains complete instructions.

Info about AWIPS can be found at <http://www.nws.noaa.gov/ops2/ops24/awips.htm>

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

Answer: Assessment process is fully implemented for taking advantage of changing technology, process is reviewed on a recurring basis.

Justification Comment:

Attachment(s): 0

Data set depends on AWIPS technology which is outside the scope of the data set maintainer.

AWIPS is being continually maintained and upgraded. See the link in 17.

STAGE 7 - Archive

19) Is there an archiving process for the dataset?

Answer: No archival or disposition process.

Justification Comment:

Attachment(s): 0

The AWIPS system does not operationally use past data. The system is for current and forecasts weather products.