

NGDA Dataset Report

Official NGDA Title: FWS Critical Habitat for Threatened and Endangered Species Dataset

Metadata Record Title: FWS Critical Habitat for Threatened and Endangered Species Dataset

A-16 NGDA Theme: Biota

Executive NGDA Theme Champion(s):

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Metadata:

Registration Status: Complete

Registered on 3/12/2015

GeoPlatform Link*: <http://www.geoplatform.gov/node/243/5b5bacf9-8c85-4d50-bd7e-971766e16ba4>

Data.gov Metadata Link*: <http://catalog.data.gov/harvest/object/6e74bb0a-54df-4e20-8c77-cde4353bcffb/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 from 2012 to 2015

LMA Submission:

Status: Complete

Date: 9/28/2015

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: Mark Saunders

LMA Verifier:

Name: Mark Saunders

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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:

Mature; Consistent

General Questions: 64%

Managed; Predictable

Stage 4 - Access: 100%

Optimized; Established

Stage 1 - Define/Plan: 78%

Mature; Consistent

Stage 5 - Maintain: 100%

Optimized; Established

Stage 2 - Inventory/Evaluate: 100%

Optimized; Established

Stage 6 - Use/Evaluate: 77%

Mature; Consistent

Stage 3 - Obtain: 91%

Optimized; Established

Stage 7 - Archive: 100%

Optimized; Established

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 planned at agency level, supporting staff assigned, but funding is not recurring, some lifecycle stages are supported.

Justification Comment:

Attachment(s): 0

There is not dedicated hard-line funding for this data-set.. funding occurs, but is not frequent or sufficient for all life-cycle stages..

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 established, significant portions of the documentation is complete.

Justification Comment:

Attachment(s): 0

By interacting with ServCat, <https://ecos.fws.gov/ServCat/> , Crit Hab data will be harvested directly to data.gov. Additional information can be accessed from the Crt Hab document http://www.fws.gov/stand/standards/dl_crithab_WWW.html

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

There are tools, update procedures as outlined in the standards document to determine continued specifications and procedures for the data / life cycle.

All procedures, tools,documentation etc can be found here

<https://my.usgs.gov/confluence/display/ecos/Critical+Habitat+Data+Imports>

currently we do not have a full time working task group.. on as need basis

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

There are procedures in place for the updating, component requirements, naming convention feature resolution and submission of spatial data. This is outlined in the standards document.

http://www.fws.gov/stand/standards/dl_crithab_WWW.html

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

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

Members of the FWS Critical Habitat stakeholders that are responsible for determining specifications and collecting procedures for working with critical habitat spatial data.The GIS Steering Committee has been involved in generating Crit Hab standards and this process include comment periods for other partners to participate

By product of this product is the standard found here
http://www.fws.gov/stand/standards/dl_crithab_WWW.html

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

With an agreement with USGS, all Crit Hab data runs through a QC/QA process before final submission. This information can be found here

<https://my.usgs.gov/confluence/display/ecos/Critical+Habitat+Data+Imports#CriticalHabitatDataImports-9.Testing>

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

Answer: Process to define identified and documented.

Justification Comment:

Attachment(s): 0

Critical Habitat data is published as public in the Federal Register we are arrogating the various data sets into a national comprehensive data set. We rely on the instruction of the data standard to guide the field in this process.

http://www.fws.gov/stand/standards/dl_crithab_WWW.html

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

The standard provides guidance on the following topics:

- Spatial Data Content
- Spatial Data Update Procedures
- Spatial Data Submission Format
- Shapefile Component Requirements
- Shapefile Naming Conventions
- Shapefile Data Attributes
- Shapefile Projection
- Shapefile Metadata Requirements

The shapefile and metadata templates are recommended for creating critical habitat data.

Service personnel will use the Service's Critical Habitat Spatial Data Specifications for creation of critical habitat data.

link to standards http://www.fws.gov/stand/standards/dl_crithab_WWW.html

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

This data set is unique to FWS and was determined not to be duplicating data that may exist elsewhere. Based on the data-set and the processes required to complete, we were able to determine this as an unique entity.

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

As outlined on the Data Standards there are procedures to obtaining this data.

Spatial Data Update Procedure

Revisions to critical habitat can be accomplished by submitting a new zip file containing replacement shapefile(s) plus all associated files. Critical habitat data contained in the new shapefile will completely replace all critical habitat data previously submitted for those populations. The naming convention and all shapefile specifications stated for original submissions also apply for replacement files. All associated files, including updated metadata, must be submitted with each revision.

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

Crit hab data meets all Federal Geographic Data Committee (FGDC) or International Organization for Standardization (ISO) 19115 compliant metadata and is required in all cases, including all minimum required attributes.

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 presently about 75% complete per current requirement.

Justification Comment:

Attachment(s): 0

This data has been collected over a series of data calls and 90 plus % of the species data sets are included. There are still 11 species / critical habitats that have not been created by the field. This means we do not have 100% coverage.

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

We provide both ArcGIS REST ecos.fws.gov/arcgis/rest/services/crithab and WMS services for the data-set Open GIS Web Mapping Service

The Fish & Wildlife Service provides Critical Habitat data via an Open GIS Consortium (OGC) Web Mapping Service (WMS) and KML. The urls to those services are:

<http://ecos.fws.gov/arcgis/services/crithab/usfwsCriticalHabitat/MapServer/WMServer>

<http://ecos.fws.gov/arcgis/rest/services/crithab/usfwsCriticalHabitat/MapServer/kml/mapImage.kmz>

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 is stored , documented, and maintained at ECOS (Environmental Conservation Online System)<http://ecos.fws.gov/ecp/>

The documentation etc is found at this link

<https://my.usgs.gov/confluence/display/ecos/Critical+Habitat+Data+Imports>

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

We have a QA/QC process and a means for user notifications of errors.

This link provides processes and user notified by e-mail when problems are found.

<https://my.usgs.gov/confluence/display/ecos/Critical+Habitat+Data+Imports#CriticalHabitatDataImports-9.Testing>

STAGE 6 - Use/Evaluate

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

Answer: Process is complete and being implemented on ad hoc basis.

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

Since the data standards have been implemented there has not been further attempts to determine the utility for users We spent time compiling the data standards including comment periods to make sure the data would meet users need including the needs of the public at large

http://www.fws.gov/stand/standards/dl_crithab_WWW.html

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

ECOS (Environmental Conservation Online System) critical habitat portal instructs users how to use the data-set. This link provides the user with instructions on how to access and use the data.

<http://ecos.fws.gov/crithab/>

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

ECOS (Environmental Conservation Online System) internally the development team and project sponsors review and suggest updates as technology advances.

STAGE 7 - Archive

19) Is there an archiving process for the dataset?

Answer: Archival and disposition processes are fully implemented.

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

We have a backup of all data internal to ECOS (Environmental Conservation Online System) on a regular schedule. This is manage as an overall systems / data backup here at ECOS.