

NGDA Dataset Report

Official NGDA Title: FS National Forest Dataset (US Forest Service Proclaimed Forests)

Metadata Record Title: FS National Forest Dataset (US Forest Service Proclaimed Forests)

A-16 NGDA Theme: Cadastre

Executive NGDA Theme Champion(s):

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Metadata:

Registration Status: Complete

Registered on 6/9/2015

GeoPlatform Link*: <https://www.geoplatform.gov/node/243/da7e5a4b-7e5e-4417-98d6-0312915c47fd>

Data.gov Metadata Link*: <http://catalog.data.gov/harvest/object/0cd070ef-92f0-4e42-a1a0-d474c31d0ed2/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:

No response provided.

LMA Submission:

Status: Complete

Date: 10/6/2015

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: Lorri Peltz-Lewis

LMA Verifier:

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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:

Optimized; Established

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: 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 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

FS personnel salaries are tied to the budget, but software support/development is not. Funding for software support is year to year.

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

All data development, maintenance, and publication are open and transparent. Data is published to the public and internal users at FS geo-portal.

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

All tools and training are in place.

LSRS Publication GIS Data Dictionary - <http://fsweb.r6.fs.fed.us/alp/index-alp-publication-GIS-DD.shtml>

LSRS Editor User Guide - <http://fsweb.r6.fs.fed.us/alp/hlm/lrs-ugtoc.html>

LSRS Editor Online Training -

http://fsweb.geotraining.fs.fed.us/tutorials/LSRS/lrs_reference_tutorial/player.html

Internal and only available to Forest Service users

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

Documentation of business requirement have been in place for may years. As new business requirements are identified by the user community, new requirements are gathered and documented.

TeamForge ALP/Land Status Record System (LSRS) project home page -

http://sforge.fs.fed.us/sf/projects/alp_lrs_editor_2/

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

If new requirements for data identified, there is a ticket process that can be used to document new requirements.

TeamForge ALP/Land Status Record System (LSRS) project home page - http://sforge.fs.fed.us/sf/projects/alp_lsrs_editor_2/

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

Both regional and WO personnel check data for quality assurance. Additionally, as data is published to the public, there is a ticket process in place for correction of any erroneous data that is discovered. Before data is changed documentation supporting changes is required.

LSRS Editor application uses a defined set of business rules.

ALP Notices - <http://fsweb.r6.fs.fed.us/alp/index-alp-notice.shtml>

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

These data contain no sensitive nor PII data.

Sensitivity, privacy, and confidentiality evaluations were completed during initial collection of the data.

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

These data contain no sensitive data, just Forest Service boundary information that can be obtained/verified at several publicly available sites, including county ownership records. The Forest Service has been collecting, maintaining, and publishing these data for nearly 20 years. Collection, maintenance, and publishing standards are well documented and readily available to users and the public.

LSRS Publication GIS Data Dictionary - <http://fsweb.r6.fs.fed.us/alp/index-alp-publication-GIS-DD.shtml>

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

Forest Service is required by statute to maintain ownership data for upward reporting inventory of FS lands and their uses. Portion of these data have been published yearly since 1904 in the Land Area Report. These data cannot be obtained from another source.

Forest Service Enterprise Data Warehouse (EDW) manages Forest Service corporate data availability and insures data is not duplicative.

EDW - <https://ems-team.usda.gov/sites/fs-cio-edwts/default.aspx>

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

These data, by statute, must be collected and maintained by the FS.

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

Data dictionary is published with the data

LSRS Publication GIS Data Dictionary - <http://fsweb.r6.fs.fed.us/alp/index-alp-publication-GIS-DD.shtml>

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

Completed dataset for all National Forest and Grasslands at 1:24,000 resolution. All dataset have integrated tabular data as defined standards. The tabular data is also being published through the FS geo-portal. Operation and maintenance of this data is continual to ensure that data is always current. Data is refreshed and published weekly.

ALP LSRS Map Service Viewers and Map Services - •Public (Internet):

http://apps.fs.fed.us/fsmapviewer/index.html?config=public-config/ALP_StatusAndEncumbrance.xml

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

These data are published through ESRI mapviewer portal.

http://apps.fs.fed.us/fsmapviewer/index.html?config=public-config/ALP_StatusAndEncumbrance.xml

Both internal and external users can access this site.

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

Forest Service regions maintain and update their data. As changes in ownership or changes in uses of NFS lands change (wilderness added to NFS lands) these changes are made to the data by regional personnel. The boundary data set is maintained and published as a national data set. Agency hardware and corporate software is the responsibility of the Chief Information Office. My program area has little input on either hardware or software acquisition.

LSRS Editor User Guide - <http://fsweb.r6.fs.fed.us/alp/hlm/lrs-ugtoc.html>

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

Discovered errors are documented through a ticket system. Data stewards responsibility for research and correction of data.

EDW Data Quality Forum - <https://ems-team.usda.gov/sites/fs-cio-edwts/Lists/Data%20Quality/Submitter.aspx>

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

Data is published to both internal and external customers. Ticket system is in place for identifying and documentation of data discrepancies.

EDW Data Quality Forum - <https://ems-team.usda.gov/sites/fs-cio-edwts/Lists/Data%20Quality/Submitter.aspx>

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

Help documents are located at both the FS geo-portal and the web based land ownership map viewer.

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

Dependent on CIO corporate purchased technology. We do evaluate if data is meeting business requirements and are always expanding the use of these data.

Status and Encumbrance Map Service Viewer - •Public (Internet):

http://apps.fs.fed.us/fsmapviewer/index.html?config=public-config/ALP_StatusAndEncumbrance.xml

Enterprise Data Warehouse (EDW) - <https://ems-team.usda.gov/sites/fs-cio-edwts/SitePages/DataStatus.aspx>

FSGeodata Clearinghouse-Downloadable National Datasets -
<http://data.fs.usda.gov/geodata/edw/datasets.php>

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

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

Processing for archival of enabling hard copy documentation to the National Archives is well established. Management process and oversight of records schedules is well documented. Offsite backup and storage geospatial data is in place.

LSRS Publication Featureclass Snapshots - <http://fsweb.r6.fs.fed.us/alp/index-lands-data.shtml>