Data Management Plan Form

This is a form for developing data management plans. For guidance on developing data management plans, please refer to: https://sites.google.com/a/fws.gov/rims3/data-management-plans/regional-dmp-guidance.

Describe the Data

Project Name

(●) Existing Project
( ) New Project

NWRS Cadastral Enterprise Geodatabase

Name of the primary project, application or system the data will use

Attachments

FWS_CadastralDataStandards_Final_04172014.docx
Microsoft Word Document
83.7 KB

USFWS Region

HQ

Which region is the this data set for? Use HQ if national.

USFWS Program

National Wildlife Refuge System

Which program is this data set for?

Project Description

The Cadastral Enterprise Database is intended to show all interests in real property in the National Wildlife Refuge System, the National Fish Hatchery System, County Waterfowl Production Areas, Coordination Areas, and other Service lands and waters.

Provide some brief information about the overall project goals and objectives that the data will help address

Dataset Name

FWS Interest

Name of the data collection

Contact

Salz, Ron

Contact information of Data steward responsible for data management oversight

Acquire

Data Source Type

The primary source for this information is the USFWS Realty program. Specific data sources are not listed in this document but are maintained for each region and can be requested.

Describe the data sources that will be used for this project. For example, if input data is used for an assessment.

Data Processing & Scientific Workflows

The FWS Interest feature class is an aggregated data layer derived by appending separate regional feature data sets into a single national enterprise data set using ESRI's distributed database technology. Detailed data processing procedures can be found: https://fishnet.fws.doi.net/projects/gisnew/CDWG/_layouts/WordViewer.aspx?id=/projects/gisnew/CDWG/Shared%20Documents/Cadastral_Updated_Workflow/20130506_Draft_UpdatingtheCadastralDatabaseWorkflow.docx

Describe data processing steps or provide a scientific workflow you plan to use to manipulate the data, as appropriate.

Quality Checks

Up to three levels of quality-control review are conducted with corrections being incorporated after each review until the dataset is deemed acceptable. Polygons are closed and adjusted to the most accurate geographic features, usually on a USGS 7.5' topographic quad. FWS Interest utilizes coded domains to limit coding errors in attribute data. This data layer has been verified against USGS 1:24,000-scale and 1:63,360-scale Digital Raster Graphics (DRGs) or 1:12,000-scale Digital Orthophoto Quarter Quads (DOQQs) where available. For some areas not covered by USGS, nautical charts from the National Oceanic and Atmospheric Administration are used. Automated models and scripts are used at the national level to eliminate human error during data aggregation and publishing processes.

Specify the procedures for ensuring data quality during the project. Please refer here for some guidelines.

Data Formats

- [ ] Access database
- [x] ArcGIS (geodatabase, shapefile, etc)
- [ ] Excel spreadsheets
- [ ] Other structured data (.csv, .netcdf, etc)
- [ ] Photos
- [ ] Source code
- [ ] Unstructured data (reports, narratives, presentations)

Data History, or Lineage

Fws Interest is a dynamic data layer, updates and revisions are ongoing. Updated FWS Interest is published to public repositories on a quarterly basis.

Describe any lineage associated with this data effort. For example, if this is an ongoing multiple year/annual field survey.

Maintain

Metadata

FGDC

Identify the metadata standard that will be used to describe the data and products. More info on metadata is here.

Backup & Storage

National production data is backed up nightly via SQL Server Maintenance Plans. Weekly differential and monthly full backups to tape are performed by IRTM in Denver. Additional backup of regional data is peformed by regional GIS personnel. This methods will vary per region. Published data is stored and is accessible in ServCat and Data.gov: https://ecos.fws.gov/ServCat/Reference/Profile/50373; http://catalog.data.gov/dataset/fws-interest

Describe the approach for backup and storage of the information associated with the research project.

Data Management Resources

Data management activities are not directly budgeted for this data. Data management activities are the responsibility of the data steward.

Describe the proposal resources allocated for data management activities for the data products as a level of effort, total dollars allocated, or as a percentage of the total project's cost. Resources could include people's time or proposal funding.

Access

Access & Sharing

Published data will public. Access to production data is limited to regional GIS Staff, Data Steward and the GIS database administrator located at IRTM in HQ.

Prior to the completion of the project, specify who should have access to project information/products and what type of access (Public, Read, Write, No Access).

Exclusive Use

None. Data will be publicly available

If a request to limit access for a period of time after project completion is needed, please identify the length of time and the reason for the extension. (Request cannot be more than two years.)

Evaluate

How will the data be used?

This data layer was compiled for use with natural resource mapping and GIS applications. It is inappropriate to use these data for legal purposes

Describe how the data will be analyzed. What methods will be employed?

Archive

Repository for Final Data Products

- [x] ServCat
- [ ] ScienceBase
- [ ] Directly to Data.gov
- [ ] Avian Knowledge Network
- [x] ArgGIS Online
- [ ] ECOS
- [x] FWS Internal Portal

Where will the final repository be for public access to final products?

Lifespan of Data

Data is updated publicly quarterly. Previous versions of the data is archived in ServCat.

At some point, datasets may be archived. Choose one of the following options to indicate how long you anticipate this data will be of value to other researchers. Less than 5 years, 5-10 years, 10-20 years, 20-50 years, 50+ years.

Records Management Requirements

Please identify any records management requirements for these data.