

For: State and County Offices

**Preparing for the Deployment of the Geo-Spatial Data
Warehouse Replication Application (GDWRA)**

Approved by: Acting Deputy Administrator, Farm Programs



1 Overview

A Background

The deployment of GDWRA will occur soon. GDWRA will reside on County Office servers and replicate the ArcSDE CLU database once a week to APFO. While the application will be completely behind the scenes requiring no employee interaction, County Offices must prepare the CLU history data for replication.

B Purpose

This notice informs State and County Offices of the following for GDWRA:

- upcoming deployment
- necessary preparations.

2 GDWRA Deployment and Preparation

A GDWRA Deployment

GDWRA was piloted on several County Office servers the weekend of January 12, 2008. Nationwide deployment will occur within several weeks after the pilot is deemed successful.

Disposal Date	Distribution
January 1, 2009	State Offices; State Offices relay to County Offices

2 GDWRA Deployment and Preparation (Continued)

B GDWRA Preparation

To prepare for GDWRA, County Offices must run the FSA CLU History Update tool which is packaged and installed with the ArcGIS CLU Maintenance Tool, Version 4.2.5.

The FSA CLU History Update tool is available at “Start”, “USDA Applications”, “Common Land Unit”, and “FSA CLU History Update”. Users must enter the SDE password to run the FSA History Update tool. The FSA History Update tool updates the history feature class table to be compatible with the CLU editing tools in the ArcGIS CLU Maintenance Tool, Version 4.2.5. and later and GDWRA. Once the history update is completed, run the FSA Data Compressor again before attempting to work in the CLU maintenance application to avoid performance issues as a result of the FSA CLU History Update.

Failure to run the FSA CLU History Update tool will result in incorrect records being replicated.

Note: The FSA CLU History Update tool only needs to be run once per county. This process has already been completed throughout much of the country.

C FSA CLU History Update Status Information

Information about the success of the FSA CLU History Update in any State or county is available upon request from the National Office. FSA CLU History Updates have been sent to the State GIS Specialists through e-mail on a regular basis over the last several months.

Be aware that the information the National Office provides may show that a County Office has not run the history updater tool even though that County Office has actually run the tool. Reasons for this include the following.

- An old version of the ArcGIS CLU Maintenance Tool is still installed in a County Office, resulting in the END_DATE attribute being incorrect in the history layer. All workstations shall be checked for the latest version of the ArcGIS CLU Maintenance Tool, Version 4.2.5.
- The Split Polygon tool was used to split multiple polygons in the ArcGIS CLU Maintenance Tool, Version 4.2.4. Problems caused by this process should be fixed by rerunning the history updater.

Notice CM-592

2 GDWRA Deployment and Preparation (Continued)

C FSA CLU History Update Status Information (Continued)

- A server no longer used by FSA, e.g. in the case of a closed County Office, still has an SDE database loaded and is connected to the internet. These servers will show up in National Office reports as unsuccessful in running the history updater. If:
 - this is the case, report the server name to the GIS Office so it can be removed from the query
 - the County Office has been moved successfully, all SDE data residing on the old server can be deleted.
- There may be 1 or more completely “NULL” record(s) in the History Layer. This can be checked in ArcCatalog by sorting the history table ascending by the “END_DATE”. If this is the case, a help desk ticket should be created describing the issue.

3 State and County Office Action

A State Office Action

State Office employees shall ensure County Offices are prepared for GDWRA deployment based on the information in subparagraphs 2 B and 2 C.

B County Office Action

County Office employees shall:

- prepare for GDWRA deployment based on the information in subparagraphs 2 B and 2 C
- contact State GIS Specialists with questions or concerns about this notice.