

# GeoMAPP: Geospatial Multistate Archive and Preservation Partnership

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# **The National Digital Information Infrastructure and Preservation Program (NDIIPP)**

**An Initiative of  
The Library of Congress**

# What is your Current Geospatial Archive?

- CD's and DVD's in boxes: somewhere in the basement, on a shelf, or in someone's drawer
- An archive file on your hard drive
- Nightly backup tapes

# Digital Geospatial Data Preservation: A Business Case

- Loss of investment if records are mismanaged or stored in vulnerable ways
- Preserves a snapshot in time of datasets
- Maintains relationships between datasets
- Ensures access to historical temporal datasets
- “Born” digital data is subject to loss at higher rates than paper formats

# Digital Geospatial Data Preservation: A Business Case

- Legal requirements for preservation of data to ensure decisions and analysis are documented and repeatable
- Government Records Access and Management Act (GRAMA) requires information is available to public
- Management of records enables less duplication of storage by multiple agencies
- Data must comply with Archival Professional Guidelines

# **Digital Geospatial Data Preservation: A Business Case Objectives**

- **Support State Archivist's responsibility to preserve digital geospatial data**
- **Provide assistance to the geospatial community**
- **Establish procedure and mechanism for inventory of state and local data**
- **Increase awareness about preservation and archives**

# Digital Geospatial Data Preservation, Issues!

- Media deterioration (CDs and DVDs are not lasting as long as first thought.)
- Digital obsolescence (old version is replaced by new version.)
- Migration of data to new software. (How often should this occur?)
- Upholding data integrity over time.

# **There is Value in Preserving Older Data!!!**

- **Site Location Analysis**
- **Resolution of Legal Issues**
- **Land Use Change Analysis**
- **Disaster Response**
- **Real Estate Trend Analysis**



# Technical Challenges

- **Vector Files: Multi format**  
Shapefiles or Geodatabase?
- **Inadequate or Non-Existent Metadata**  
Slows discovery and use
- **Content Packaging**  
No geospatial industry standard

# Inventory Process

- **Inventory datasets for appraisal process.**
- **Appraise datasets for retention periods**
- **Deciding series boundaries: individual layers vs. layer groups**
- **Structuring retention schedules with growth in mind**
- **Relationships between state and local government retention schedules**
- **Naming conventions: ISO vs. local**

# How the Archive is Set Up

- **ISO Standard**
  - BOUNDARIES RECORDS
- **Sub-Theme**
  - County boundaries
- **Feature Class Theme**
  - Year

# Create Series and Retention Schedules

**-Series Number: 27000**

**Series Title: Air Criteria Release Locations air emissions records**

This data set represents locations from the Utah Department of Environmental Quality, Division of Air Quality's (DAQ) Criteria Air Pollutant Emissions yearly inventory.

## **Retention**

**Record Copy: Permanent**

## **SUGGESTED PRIMARY DESIGNATION**

**Public**

# Example of a Retention Schedule

**Series Number: 22000**

## **-Series Title: Demographic Records**

These geospatial records contain census information. This census data is derived from Federal census data taken every ten years. This is the information from the 2000 census. Census data contains information on households. This could be how many people live in the household, what is the race of household members, what is the income level of the household, etc.

## **Retention**

Record Copy: Permanent

## **SUGGESTED PRIMARY DESIGNATION**

Public

# Creating Finding Aids

- Finding aids help end-users gain access to data
- Produced by database from retention schedule
- Repurposing metadata: details included in finding aid
- Searching issues (GOS, Ramona, other)

# Database Used to Produce EAD Finding Aids

**Geo-Spatial Data Sets** [?] [✓] [X]

**Series:** 26771 - 1      **Created:** 01/DD/2000 - 02/DD/2007      **File Size:** 3.00 MB  
**Accessioned:** MM/DD/CCYY      **Published:** 07/01/2007      **File Type:** Shapefile

Provide resolution or scale, whichever is most accurate

**Resolution: 1 inch =** 1.50 Meters      **Scale:** 1:24,000      **Accuracy:** [ ]

**Projection:** UTM, Zone 12, meters      **Datum:** NAD83

**Created by Agency:** 1142 [H] Utah Transit Authority

**Created by Other:** [ ]

**GIS Title of Data Set:** BusStops\_UTA

**Descriptive Title:** Utah Transit Authority bus stops

**Local Path to Data:** \\AC02\Data\Users\Archives\GISData\2000\BusStops\_UTA.zip

**URL to Online Data:** http://gis.utah.gov/index.php?option=com\_dbquery&Itemid=87

**URL to MetaData:** ftp://ftp.agrc.state.ut.us/SGID\_Vector/MetadataHTML/SGID\_U024\_BusStops\_UTA.html

[ < Exit ]      [ OK ]      [ Cancel ]      [ Next > ]

# Questions

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