



GCDB

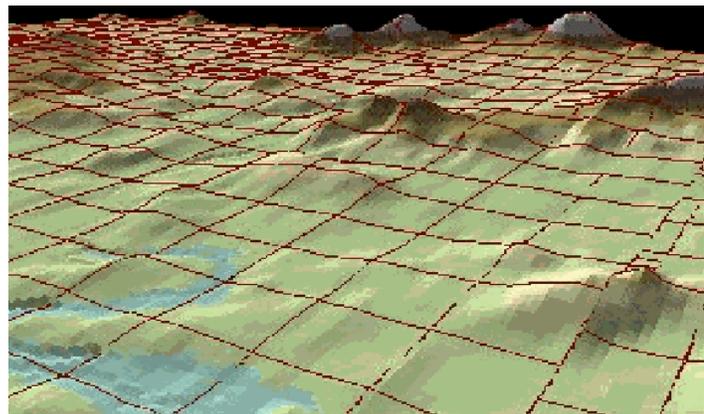
October 2001

Geographic Coordinate Data Base

The Bureau of Land Management's (BLM) Geographic Coordinate Data Base (GCDB) is a collection of geographic information representing the Public Land Survey System (PLSS) of the United States. The GCDB grid is computed from BLM survey records, local survey records, and geodetic control information. The GCDB data is collected by the BLM Offices to provide a high-quality framework for Geographic Information Systems (GIS).

The GCDB Project at the Land and Resources Projects (L&RP) Office assists the GCDB State Offices by:

- Managing the development of software called GCDB Data Prep, which is used by the State Offices to correct GCDB data and to build GCDB GIS coverages
- Providing GCDB Data Prep software training, documentation, and user support
- Distributing and clarifying GCDB data collection standards
- Tracking GCDB data collection progress
- Facilitating a smooth transition to the National Integrated Land System (NILS)



GCDB Grid
Over Sedona Arizona Shaded Relief

During 2001 the GCDB Project developed processes to create township-level metadata that is compliant with Federal Geographic Data Committee (FGDC) guidelines. Next, the standard FGDC names will be incorporated into the GCDB Software Requirements Specifications and the GCDB GIS Coverage Format. In the coming months GCDB plans to release an updated version of the GCDB Data Prep software. The initial releases of GCDB ArcView Tools and Geographic Measurement Management for Windows (WinGMM) will be deployed in the first quarter of FY02.

The screenshot shows the 'Geographic Coordinate Data Base' website. It features a 'Download' button at the top. Below is a 'Welcome to the GCDB Download Site' section. A 'DISCLAIMER' states: 'The geographic coordinates and their associated products have NO legal significance. These coordinates can NOT be used as a substitute for a legal boundary survey. They can be used for record keeping, mapping, graphics and planning purposes only. No warranty is made by the Bureau of Land Management for use of the data for purposes not intended by BLM.' A 'Select A Region To Access Download Site:' section offers three options: 'Alaska', 'Western States', and 'Eastern States', each with a corresponding map. A footer lists coverages for Arizona, Arkansas, California, Colorado, Montana, Michigan, Oregon, Nevada, New Mexico, North Dakota, Utah, and Wyoming as available.

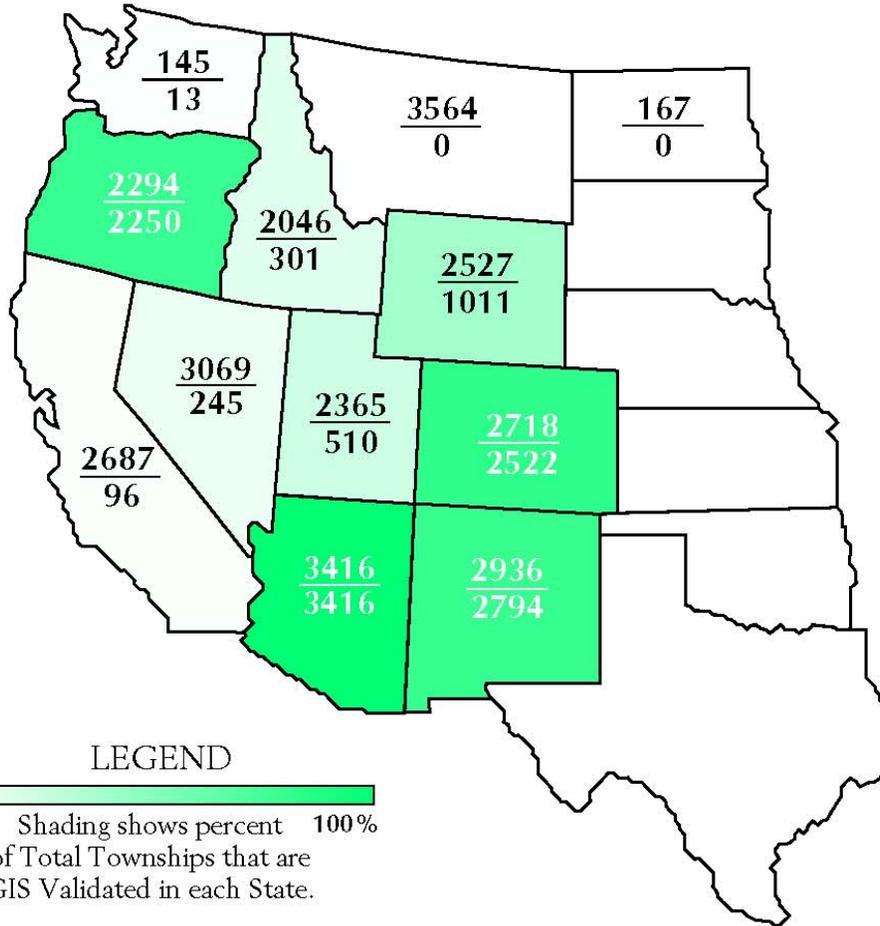
The project maintains the **GCDB National Home Page** at www.blm.gov/gcdb. This site has links to the GCDB State Offices and provides information on GCDB standards and data collection progress.

The **GCDB Download Site**, accessed from the same URL, allows Government agencies and private citizens to download the GCDB data. GCDB flat files and/or GCDB GIS coverages in export (e00) file format are available for Arizona, Arkansas, California, Colorado, Michigan, Montana, Nevada, New Mexico, North Dakota, Oregon, Utah, and Wyoming.

The GCDB Download Site averages 50 visits per day. From July 2000 through August 2001 GCDB users downloaded flat files for 173,590 townships and GIS coverages for 578,486 townships.

Geographic Coordinate Data Base (GCDB)

Townships Collected and GIS Validated



Western States Totals:

Collected —————> **28,350 townships**
 GIS Validated —————> **13,318 townships**

as of 9/30/01



This graphic shows how many townships are:

- Collected (above the line) - Linework and polygon labels have been collected in GCDB flat files.
- GIS Validated (below the line) - GCDB GIS coverages have been created, polygon labels verified, and edgematch problems resolved.