

In the photograph above a conventional pen plotter is completing a planimetric map of Northern Texas and Oklahoma at 1:2,000,000 scale. Features plotted from US GeoData tapes include streams and water bodies (blue), political boundaries (brown), roads (red), railroads (black), and Federal lands (green).

New US GeoData tapes are now available from the U.S. Geological Survey

US GeoData tapes are computer tapes which contain cartographic data in digital form. The 1:2,000,000-scale data are available in two forms.

The graphic form can be used to generate computer-plotted maps. The content and scale of the maps can be varied to meet your needs.

The topologically-structured form of US GeoData is suitable for input to geographic information systems for use in spatial analysis and geographic studies.

Both forms must be used in conjunction with appropriate software.

US GeoData tapes offer convenience, accuracy, flexibility, and cost effectiveness to many map users. Business, industry, and government users who are involved in network planning and analysis, transportation, demography, land use, or any activity where data can be related to, or plotted on a map will find US GeoData a valuable resource.

US GeoData tapes are now available for the entire United States—including Alaska and Hawaii—at the 1:2,000,000 scale.

To understand more about US GeoData, read the reverse side of this folder. For further details and ordering information, contact the USGS National Cartographic Information Center nearest you.

National Cartographic Information Center
U.S. Geological Survey
507 National Center
Reston, Virginia 22092

FTS-928-6045
Commercial
703-860-6045

Eastern Mapping Center
National Cartographic Information Center
U.S. Geological Survey
536 National Center
Reston, Virginia 22092

FTS-928-6336
Commercial
703-860-6336

Mid-Continent Mapping Center
National Cartographic Information Center
U.S. Geological Survey
1400 Independence Road
Rolla, Missouri 65401

FTS-277-0851
Commercial
314-341-0851

National Space Technology Laboratories
National Cartographic Information Center
U.S. Geological Survey
Building 3101
NSTL Station, Mississippi 39529

FTS 494-3544
Commercial
601-688-3544

Rocky Mountain Mapping Center
National Cartographic Information Center
U.S. Geological Survey
Stop 504, Box 25046, Federal Center
Denver, Colorado 80225

FTS 776-5829
Commercial
303-236-5829

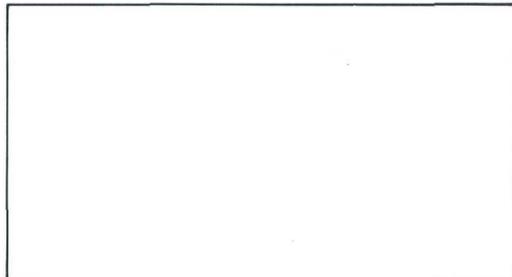
Western Mapping Center
National Cartographic Information Center
U.S. Geological Survey
345 Middlefield Road
Menlo Park, California 94025

FTS 467-2427
Commercial
415-323-8111, ext. 2427

EROS Data Center
U.S. Geological Survey
User Services Section
Sioux Falls, South Dakota 57198

FTS 784-7151
Commercial
605-594-6151

Department of the Interior
U.S. Geological Survey
National Cartographic
Information Center (NCIC)



US GeoData provides convenience, accuracy, and flexibility

Combine With Other Data

US GeoData can be combined with other types of digital data. For instance, you can combine U.S. Census Bureau digital data with US GeoData to produce a map which shows population distribution over the entire country.

Although combining other data bases with US GeoData to produce composite maps will require the use of special applications software, this technique may be extremely useful and

cost effective for repetitive analysis and display of information.

Select Appropriate Format

US GeoData is available in two forms.

The graphic form can be used to generate computer-plotted maps.

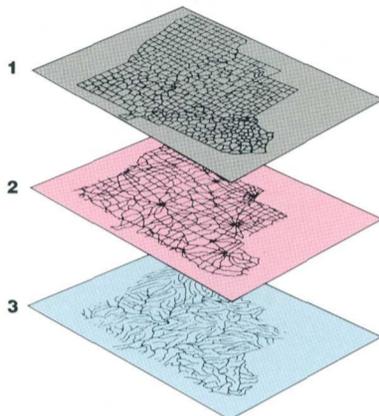
The topologically-structured form can be used for general spatial applications and to perform calculations. It can also be used for plotting if special applications software is available.

Each tape comes with a detailed user's guide which describes the format of the data. Specifications about block size, density, and other tape characteristics are provided on the tape label.

Select Content

When maps are plotted, you may choose to include only selected layers of information. For example, you can construct a map showing only national forest lands and railroads, or rivers and railroads, or even a simple base map containing only State boundaries.

You can combine or mix the information from the three layers in any way you wish. Each of the three layers can be purchased individually.



1 Boundaries

- State and County
- Federally Administered Lands (National Forests, National Parks, etc.)

2 Transportation

- Roads
- Railroads
- Airports

3 Hydrographic

- Streams
- Water Bodies

Perform Calculations

US GeoData can be used to perform a variety of calculations.

This can be a great timesaver when compiling statistical or tabular information such as calculating the distance between two points;

determining the shoreline length of a lake; or finding the total length of all highways in a State.

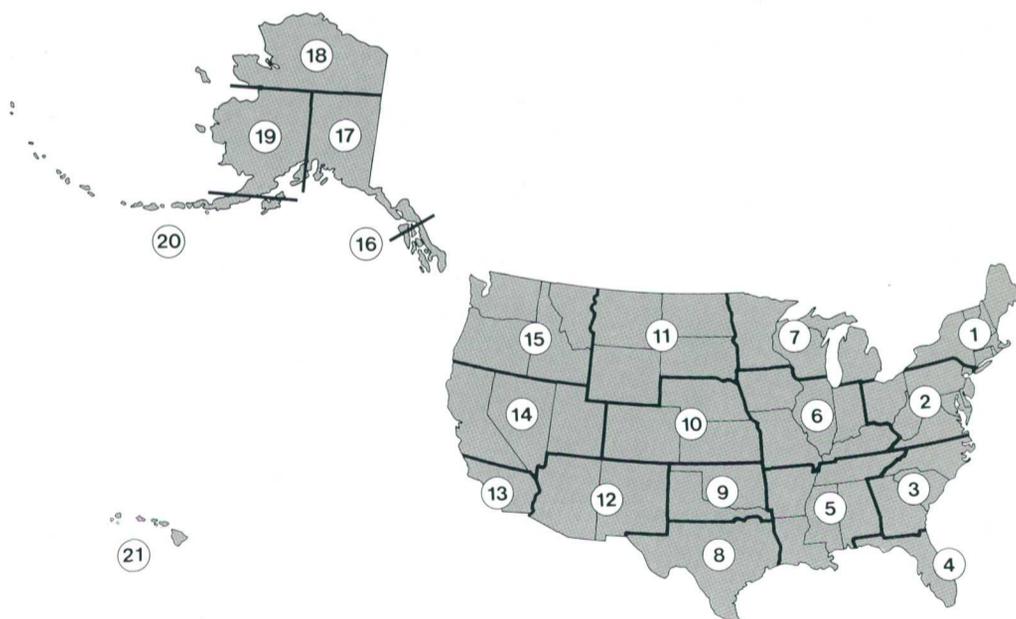
Calculations can only be performed with the topologically-structured version of US GeoData

and specialized software. Several suitable software programs are now available commercially.

Buy Only What You Need

US GeoData tapes are sold by geographic sections. There are 15 sections covering the conterminous 48 States plus 5 for Alaska and 1 for Hawaii—a total of 21 sections.

Each layer of information within each section is available separately. You choose the sections you want and decide which layers of information you need with each section. Or you may order all 21 sections and all 3 layers of information. (See the enclosed price list for costs.)



Use Automatic Mapping Software

The graphic form of US GeoData is formatted to be compatible with cartographic automatic mapping software.

The topologically-structured form may be used with other types of special applications software, however, the data may have to be restructured into a compatible format.

Applications software is not currently available from the USGS.

Select Scale and Projections

The graphic form of US GeoData uses a geographic coordinate (latitude/longitude) system. This means that with appropriate software you can plot the data at various scales and on selected projections.

You can also combine this form of US GeoData with other data that are in a geographic coordinate reference system.

How to Order

US GeoData tapes can be ordered through any NCIC office. For technical and ordering information contact the NCIC office nearest you. See reverse side of this folder for addresses.