Reply to
Attn. of: CACFP-498

Subject: Geomapping Tool

To: STATE AGENCY DIRECTORS - Colorado DPHE, Iowa, Kansas, Missouri DH, (Child Nutrition Programs) Montana DPHHS, Nebraska ED, North Dakota, South Dakota, Utah and Wyoming

Attached are materials which briefly explain the geomapping tool that will be used in the upcoming Tri-Regional Child and Adult Care Food Program meeting. Jim Churma, of the Western Regional Office, will be providing the overview of this software.

As some State Agencies may already be looking for such resources, we offer this prior to the meeting. It takes approximately 30 minutes to download through INTERNET. We in the Mountain Plains Regional Office have not yet used this software, so cannot detail its attributes, but states in other Regions appear to be choosing it for use in their Program.

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Attachment

Attachment is on file in Nutrition Services
LandView™ II

Electronic Atlas of Environmental Data

LandView II (PC DOS) software is an electronic geographic atlas. It displays (using graphics and tables) EPA regulated sites and selected Census Bureau 1990 decennial census demographic data for governmental entities (such as, states, counties, cities, towns), congressional districts, and statistical entities (such as, block group and census tracts). It also presents a detailed network of roads, rivers, and railroads based upon the Census Bureau’s TIGER/Line® 1992 geographic database.

LandView II provides basic desktop mapping capabilities for displaying, searching, and identifying map objects, the capability of creating thematic maps, and printing either maps or reports. It allows users to determine population and housing characteristics for any radius around any point in the U.S. It also has the capability of quickly locating an address on the map. Advanced users who are comfortable in creating and manipulating database files can create their own map layers displaying either user-defined geographic features or special data sets.

This product was produced cooperatively by the U.S. Environmental Protection Agency and the U.S. Department of Commerce. The graphics display engine in LandView II is an adaptation of the CAMEO™ system (Computer-Aided Management of Emergency Operations). CAMEO was developed by the Environmental Protection Agency and the National Oceanic and Atmospheric Administration to facilitate the implementation of the Emergency Planning and Community Right-to-Know Act, a far-reaching law requiring communities to develop emergency response plans addressing chemical hazards and making available to the public information on chemical hazards in the community.

The product is distributed on a total of eleven CD-ROMs with the data for several states grouped on each disk. The price is $95 per CD-ROM or $795 for the complete set providing full national coverage. To purchase the LandView™ II product call 301-457-4100.

More Information and Sample Files on the Web

For more information call 301-457-1128 or visit the Census Bureau’s World Wide Web site. On our Web site you will also find the complete documentation which is available for downloading and a LandView™ II tutorial. In addition, the site has the software and sample files of the county of your choice for downloading.

The URL for the LandView™ information is: http://www.census.gov/geo/www/tiger/

The e-mail address for LandView-related questions is tiger@census.gov.
LANDVIEW II BASICS

Pay particular attention to the sections below entitled CONFIGURING THE SOFTWARE and USING THE SOFTWARE, as these sections are specific to CACFP usage. All other sections are covered in more detail in the system documentation provided with the software.

I. SYSTEM REQUIREMENTS

A 286 or better PC
MS-DOS 3.3 or higher (or Windows)
At least 640 KB RAM
A CD-ROM drive
A mouse
At least 5 MB free space on hard disk drive C
Disk caching for the CD-ROM drive

II. INSTALLING THE SOFTWARE

Basically, all that is required is:

1. Have the cursor at a DOS prompt.
2. Insert the CD-ROM.
3. Type INSTALL and press [Enter].
   When prompted, type the letter “C” to indicate the software should be installed to the C drive.

III. STARTING UP THE SOFTWARE

1. Insert the CD-ROM.
2. Have the cursor at any C drive DOS prompt.
3. Change the directory to LV2 (DOS command: CD\LV2 [Enter]).
4. Type LANDVIEW and press [Enter].
5. Enter your customary initials or name.

If you are running Windows you can create a shortcut to launch the program from your Windows desktop. If you are running in an MS-DOS environment you can also create a batch file to serve as a shortcut to the program.
IV. CONFIGURING THE SOFTWARE

You can tailor the software to your desired display attributes. The configuration suggested below seems to work well for CACFP tier determination purposes, but feel free to experiment with other configurations.

Start up the program.

2. Click the LAYERS button. Set all layers OFF except for the eight layers listed below. To change a setting to OFF for a given layer, click on the layer in the "Display Mode" column until it reads OFF.

Configure the layers below with the indicated settings by first clicking on the layer’s display mode until it is correctly set, then clicking on the graphics at the bottom of the screen that correspond to the other settings suggested for the layer.

<table>
<thead>
<tr>
<th>Layer Name</th>
<th>Display Mode</th>
<th>Color</th>
<th>Fill</th>
<th>Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENSUS BLK GRP POLYGONS</td>
<td>When miles &lt;= 15</td>
<td>purple</td>
<td>empty</td>
<td>thick solid &quot;</td>
</tr>
<tr>
<td>COUNTIES</td>
<td>When miles &lt;= 700</td>
<td>blue-green</td>
<td>empty</td>
<td>thin solid</td>
</tr>
<tr>
<td>MAJOR ROADS</td>
<td>When miles &lt;= 25</td>
<td>light blue</td>
<td>empty</td>
<td>thin solid</td>
</tr>
<tr>
<td>MINOR ROADS</td>
<td>When miles &lt;= 10</td>
<td>white</td>
<td>empty</td>
<td>thin, tight dashes</td>
</tr>
<tr>
<td>PLACE CENTROIDS</td>
<td>When miles &lt;= 25</td>
<td>brown</td>
<td>empty</td>
<td>thin solid</td>
</tr>
<tr>
<td>RAILROADS</td>
<td>When miles &lt;= 25</td>
<td>green</td>
<td>empty</td>
<td>thin solid</td>
</tr>
<tr>
<td>STATES</td>
<td>ON</td>
<td>brown</td>
<td>empty</td>
<td>thick solid</td>
</tr>
<tr>
<td>WATER</td>
<td>When miles &lt;= 50</td>
<td>blue</td>
<td>solid, no pattern</td>
<td>thin solid</td>
</tr>
</tbody>
</table>

When finished configuring the layers, click the RETURN button.

Click the IDENTIFY button. Click the SET DEFAULT LAYER bar and then double-click on Census Block Grp Polygons.
Optional (but recommended). Create reference views for areas that will be referenced frequently. For example, you may want reference views for the entire state and major counties. To create a reference view to an entire state:

- click on the POSITION button
- click on the GO TO STATE bar
- double-click the desired state
- click the REF VIEW button
- click the MAIN VIEW TO REFERENCE bar
- press the letter “A” key to add a new reference
- type the name of the state
- press [Enter]

The reference view can now be displayed at any time by using the REF VIEW button and making appropriate choices from the Reference View menu.

Configuration settings will be saved under the initials or name that was entered when starting up the system. Thus, it is possible to save multiple configurations.

V. USING THE SOFTWARE

This section describes how to determine and document the block group location for a given address.

A. Start up the system, entering the initials or name which holds the desired configuration settings.

B. Perform the search.

Click the POSITION button. Click the GO TO COUNTY bar. Select the appropriate county by pressing the “S” key and then entering the name of the county. Press [Enter] (or “O”, or click the OK button) when the desired county is highlighted. If the county is unknown but the zip code is known, instead of initiating the search by clicking on the GO TO COUNTY bar, click on the GO TO ZIP CODE button and enter the appropriate zip code.

2. Click the SCALE button, then the RESCALE BY MILES bar. Enter a “3” to zoom in to a (roughly) 3-mile by 3-mile view.
3. Click the POSITION button, then the GO TO STREET ADDR/INTRSCTN bar. Click the NAME SEARCH button (or press the “S” key for the same result) and enter the name of the street you are looking for. Make sure the street you are interested in is highlighted, then click the ADDRESSES button (or press the “A” key). Double-click on the appropriate address range.

4. Click the SCALE button, then the RESCALE BY MILES bar to adjust your zoom. Usually entering a “1” to zoom in to a 1-mile view works well. For populous areas it may be necessary to zoom down to a half mile by entering “.5”. Wider views may be more appropriate for rural areas.

5. If the block group location is clear at this point (it often will be), proceed to step 6. Two possible reasons that the location may still be in question are listed below, along with solutions which can lead to an accurate block group determination.

a. The block group boundary is the street upon which the address is located and you don’t know which side of the street is numbered even or odd. You can verify the even/odd scheme by clicking the IDENTIFY button; then clicking the IDENTIFY OBJECT AT POINTER bar under the heading ALL ACTIVE LAYERS; and then double-clicking on the street name. A guide to the addressing scheme will appear at the lower right of the screen. Based on the scheme, move the map pointer to the correct side of the street by clicking the mouse at the correct location.

b. The block group boundary bisects the address range. You may need to determine what two cross streets the address falls between in this situation.

6. When ready to identify the block group location, click the IDENTIFY button. Under the heading DEFAULT LAYER, click the IDENTIFY OBJECT AT POINTER bar. The block group number will be displayed to the right of the map.

7. Use the “Print Screen” key on your keyboard to send a copy of the screen to your printer (or click on the PRINT SCREEN bar).

Repeat the steps above to conduct further searches. At some point, compare the block group numbers to the list of block groups and make a notation on each printout of the provider’s name, address, and whether the block group qualifies as Tier I or Tier II. Save the sheet for documentation.

SEARCH TIPS

Street searches are based on county data. Therefore, if addresses have been organized by county, search steps 1 and 2 may be omitted for subsequent searches until a new county is searched. If working off of zip codes in step 1 instead of counties, it is usually only necessary to perform step 2 on the first search. A search should not take more than 4 or 5 minutes per address.

The system is likely to hang if a street search is attempted with the pointer positioned in water. The pointer seems to end up in water more frequently when keying off of zip codes than counties. If you notice the pointer in water, reposition it to nearby land. If the system hangs, press the [Esc] key to interrupt the “hang” and then move the pointer.

On the IDENTIFY menu, the RETURN TO PREVIOUS SCREEN button has given some weird results. If you find this to be the case, just clicking the mouse on the map is a more reliable way to restore the previous screen than is using the return button.