

Installing the MassGIS ArcGIS 9.x SHP DataViewer

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Instructions Include:

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The MassGIS DataViewer has two parts: vector and image data for your area of interest and a program to use the data with a Geographic Information System (a GIS). If you have any license level of ArcGIS 9.x installed on your computer (ArcView, ArcEditor or ArcInfo), you will be able to use the MassGIS ArcGIS 9.x DataViewer included on the DataViewer CDs or DVD.

For instructions on how to use the MassGIS ArcGIS 9.x DataViewer, please refer to the document titled Using the MassGIS ArcGIS 9 DataViewer.pdf.

Contents of the CD

On the DVD (or CD 1 if there are multiple CDs) there should be an **ArcGIS** and a **gisdata** folder. These are the two folders required to run the MassGIS ArcGIS 9.x DataViewer.

The files required for running the Data Viewer are located in the **\ArcGIS** folder.:

- Installation file:
Install_DataViewer.bat
- Uninstall file:
Uninstall_DataViewer.bat
- The dll and registry entry that are installed/uninstalled:
MassGIS_DataViewer_v2_2.dll
SHP_DataViewer.reg

There are also 3 tables the program uses: themeinv.dbf, themeinv2.dbf and zoominv.dbf.

- **\ArcGIS\Lyr_files** - Layer files (.lyr files) are similar to ArcView 3 legend files (.avl): they store all the display properties for each layer, such as symbology, scale and labels.
- **\ArcGIS\docs** - Contains a digital copy of this installation document and Using the MassGIS ArcGIS 9 DataViewer.pdf.

In the **\gisdata** folder there should be 2 folders and 1 file:

- **\gisdata\men1** - The folder 'men1' contains all the vector data in shapefile format
 - **\gisdata\Images** - All imagery is and should be stored within subfolders in this folder (including orthophotos and topographic imagery).
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Copying files from the DVD/CD

You will need to copy all DataViewer files onto your hard drive.

1. Create a folder on your hard drive or on your network which will hold all the data. (Ex: C:\Viewer)
NOTE: The folder location must be within a drive mapped to a letter (C:, D:, etc.) in order for the Data Viewer to install properly.
2. Insert the DVD or CD 1 into your CD drive.

3. Copy the **\ArcGIS** and **\gisdata** folders into the new folder you have created. These 2 folders **MUST** stay together for the Data Viewer to run.

For Example: C:\Viewer\ArcGIS
C:\Viewer\gisdata

If you have received multiple CDs:

Additional CDs will contain files with the required directory structure:

- *if the subfolders are in \gisdata\men1\ then these folders must be copied into the \gisdata\men1\ folder on your hard drive.*
- *if the subfolders are in \gisdata\images\ then these folders must be copied into the \gisdata\images\ folder on your hard drive.*

Sometimes even the subfolders with data or imagery are too big to fit on 1 CD.

This means that the same subfolder name may exist on multiple CDs. (Ex: \gisdata\men1\Physical_Resources may appear on CD 1 and CD 2).

*In this case once you have copied the subfolder (Ex: Physical_Resources) over once onto your hard drive, you will have to go into the same subfolder (Ex: Physical_Resources) on the remaining CD(s) and copy **JUST** the data instead of the subfolder.*

- *Go into the duplicate folder on the other CDs and choose 'Select All' under the Edit menu (which will highlight everything in the folder); then choose 'Copy', also under the Edit menu.*
- *Navigate into the matching folder on your hard drive (Ex. C:\viewer\gisdata\men1\Physical_Resources) and paste (choose 'Edit' > 'Paste').*
- *Repeat for any other CDs*

**** You will need to load ALL the data from ALL the CDs first, BEFORE running the Data Viewer.**

4. When you have finished copying all files to your hard drive, your directory structure under \gisdata\men1\ should look like this:

C:\viewer\gisdata\men1\Cape_Cod
C:\viewer\gisdata\men1\Census_2000
C:\viewer\gisdata\men1\Coastal_and_Marine_Features
C:\viewer\gisdata\men1\Conservation_Recreation
C:\viewer\gisdata\men1\Cultural_Resources
C:\viewer\gisdata\men1\Environmental_Monitoring
C:\viewer\gisdata\men1\Images
C:\viewer\gisdata\men1\Index
C:\viewer\gisdata\men1\Infrastructure
C:\viewer\gisdata\men1\Physical_Resources
C:\viewer\gisdata\men1\Political_Boundaries
C:\viewer\gisdata\men1\Regulated_Areas

The possible Imagery folders under \gisdata\Images are:

C:\viewer\gisdata\Images\coq2001halfmsidm	- Half-Meter Color Orthos Mosaics (MrSID)
C:\viewer\gisdata\Images\coqhd1sid	- One-Meter Color Orthos (MrSID)
C:\viewer\gisdata\Images\coqhsid	- Half-Meter Color Orthos (MrSID)
C:\viewer\gisdata\Images\halfmsid	- MassGIS BW Orthos (Half-meter SIDs)
C:\viewer\gisdata\Images\oq1sid	- MassGIS BW Orthos (One-meter SIDs)
C:\viewer\gisdata\Images\quadsid	- USGS Topographic Maps (Multiple MrSIDs)

Installing the Data Viewer

The new ArcGIS 9.x DataViewer adds a new toolbar with buttons containing the DataViewer functionality.

Loading the Data Viewer into ArcMap involves adding the dll file to your ArcMap settings. When this is done, anytime you open a new or existing ArcMap document the MassGIS ArcGIS 9.x DataViewer toolbar will be available to you.

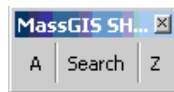
To load the Data Viewer, first make sure all ArcMap documents are closed.

In Windows Explorer, open the \ArcGIS folder.

Run (Double-click) the installation file in the ArcGIS folder: Install_DataViewer.bat

This will pop up a DOS Window that will Uninstall any previously loaded versions and install the Data Viewer into ArcMap. The DOS window will disappear when finished.

When you first open ArcMap after installing the DataViewer the toolbar is turned off. To turn on the MassGIS DataViewer Toolbar, go to the View menu, select Toolbars, and check the box beside "MassGIS Data Viewer ..." that is now included in the list of ArcMap toolbars.



Now any time you open ArcMap you should have access to the MassGIS SHP DataViewer 9.x toolbar .

Uninstalling the Data Viewer

If you ever need to remove the Data Viewer (error from loading, newer versions, etc) you need to close ArcMap and run the file Uninstall_DataViewer.bat from the ArcGIS folder.
