

**Leveraging Available Datasets from Other Programs,
Available on the ArcIMS and for access through the web to ArcGIS**

**List of Digital Ortho Servers on the Border Health Site
May 2008**

For each DNS named server (<http://ims.cr.usgs.gov> or <http://imsortho.cr.usgs.gov>) there are various ortho services (such as USGS EDC Ortho _DOQQ) and then there are various SDE layers (such as DOQQ_52).

To load these services into an ArcGIS session, choose add data, then GIS Server, then ADD ArcIMS service. Add the server address (for example, <http://ims.cr.usgs.gov>). Once the server has been added, then you can search for the service you wish to add to your ArcGIS session, (for example USGS EDC Ortho NAIP). You must be connected to the Internet. Once the service has been added, you can turn on the correct SDE layer, such as NAIP_CA_019_Z11. You will have to be zoomed in to the right place to see the DOQQs. You can also do a zoom to layer.

The following lists of SDE services should provide you with a good start.

<http://ims.cr.usgs.gov>

USGS EDC Ortho_DOQQ

DOQQ_52	(AZ)
DOQQ_69	(NM)
DOQQ_35	(CA)
DOQQ_70	(AZ)
DOQQ_88	(NM)
DOQQ_106	(TX)
DOQQ_105	(NM)
DOQQ_125	(TX)
DOQQ_126	(TX)
DOQQ_146	(TX)
DOQQ_147	(TX)
DOQQ_170	(TX)

USGS EDC Ortho NAIP

NAIP_CA_019_Z11
NAIP_CA_018_Z11
NAIP_Z14_TX_015
NAIP_Z14_TX_014

NAIP_Z14_TX_015
NAIP_Z14_TX_016
NAIP_Z14_TX_007
NAIP_Z14_TX_018
NAIP_Z13_TX_001
NAIP_Z13_TX_002
NAIP_Z13_TX_009

USGS Ortho State Local

CA_Mexico Border_1.0m_color_Jun_2005
CA_San DiegoCo_0.3048m_Color_Jan_2006_01
CA_San DiegoCo_0.3048m_Color_Jan_2006_02
AZ_PimaCounty_1.0M_color_Jun_2005
CA_Mexico Border_1.0m_color_Jun_2005
CA_San DiegoCo_0.3048m_Color_Jan_2006_01
CA_San DiegoCo_0.3048m_Color_Jan_2006_02

USGS EDC Ortho Urban

ImperialValleyCA_0.5M_Color_Jun_2006
Tucson_1.0ft_Color_May_2005_01
Tucson_1.0ft_Color_May_2005_02
Tucson_1.0ft_Color_May_2005_03

USGS EDC Ortho DRG

USGS EDC Elev_NED
USGS EDC Elev_NED_3
USGS EDC Elev_NED_9

Borderhealth (vector layers only)

<http://imsortho.cr.usgs.gov>

Az_State_1.0m_Color_Jun_2005_01
Az_State_1.0m_Color_Jun_2005_02

USGS Ortho State LocalGrid

CA_Mexico Border_1.0m_color_Jun_2005

CA_San DiegoCo_0.3048m_Color_Jan_2006_01
CA_San DiegoCo_0.3048m_Color_Jan_2006_02
CA_ImperialCounty_0.3048_color_Aug_2005
CA_ImperialCounty_0.6096_color_Aug_2005

USGS Ortho_Urban_Grid

ImperialValleyCA-YumaAZCentral_0.3048m_Color_Jan_2005
ImperialValleyCA-YumaAZEast_0.3048m_Color_Jan_2005
ImperialValleyCA-YumaAZWest_0.3048m_Color_Jan_2005
ElPasoTX_0.5ft_Color_Jun_2005_01
ElPasoTX_0.5ft_Color_Jun_2005_02
ElPasoTX_0.5ft_Color_Jun_2005_03
ChulaVistaCA_0.25ft_Color_Mar_2005
NogalesAZ_0.6096m_BW_Apr_2002
SanDiegoCA_0.25ft_Color_Mar_2005_01
SanDiegoCA_0.25ft_Color_Mar_2005_02
SanDiegoCA_0.25ft_Color_Mar_2005_03
SanDiegoCA_0.25ft_Color_Mar_2005_04
SanDiegoCA_0.25ft_Color_Mar_2005_05
SierraVistaAZ_0.3048m_Color_Mar_2004

North American Atlas Waterbodies and Hydrography

The North American Atlas data are standardized geospatial data sets at 1:10,000,000 scale. The North American Atlas - Hydrography dataset shows the coastline, linear hydrographic features, and area hydrographic features in North America. This dataset was produced using digital files supplied by Natural Resources Canada (NRC), the Instituto Nacional de Estadística Geografía e Informática (INEGI), and the U.S. Geological Survey (USGS).

Synthetic Streams

These synthetic streams are derived from the U.S. Geological Survey's (USGS) Elevation Derivatives for National Applications (EDNA). The EDNA database is hydrologically derived from the National Elevation Dataset. It is not a digitized database, but rather a database derived from an algorithm that determines flow direction and flow accumulation

DOQs for Mexico

INEGI produces DOQs for Mexico. These data can be accessed in your GIS from a Web Mapping Service (WMS), viewed through an Internet Map Service, or purchased on CD from INEGI.

To view Mexico DOQQs within a GIS session using a WMS, follow these sample directions for ESRI's ArcGIS:

1. Be sure that you are connected the internet.
2. Open ArcCatalog
3. Among the directories/folders that ArcCatalog is connected to, you will also see a connection to "GIS Servers." Double click on "GIS Servers."
4. After double clicking, you will see new options. Double click on "Add WMS Server."
5. In the dialog box that opens, paste the following URL into the box labeled "URL:."
http://antares.inegi.gob.mx/cgi-bin/map4/mapserv_orto
6. Click "OK" ArcCatalog will establish the connection and add a new WMS to ArcCatalog labeled "Mexico Orto on antares.inegi.gob.mx"
7. Expanding the WMS in ArcCatalog reveals a layer called "Mexico Orto" that can be added to ArcMap like any other layer. Some coordinate systems will not display the IMS. To be certain that it will display, please make sure that the data frame's coordinate system is set to "GCS_WGS_1984." (WGS 1984)