

Best Practices for Consuming Map Services from the Midwest Region Geospatial Support Center

- I) Launch the ArcMap application
 - A) Add Data  (Midwest Region Specific Data)
 - 1) Browse to GIS Servers → Add ArcGIS Server
 - (a) Select the “Use GIS Services” Radio Button and click Next
 - (b) Enter - <http://inpniscvfemp3/arcgis/services> as the Internet Server URL and click Finish
 - 2) In the Add Data dialog double click on the newly added service called “*arcgis on inpniscvfemp3*”1 to see all the regional datasets available
 - 3) Select the unit you wish to work with and it should automatically load into ArcMap

Note

The Park Boundary (Unofficial) layers in the Midwest Region Map Services are those acquired by the MWGSC from the parks. The NPS “Land Resource Division Tract and Boundary Service” files are the official park boundary files. These layers can be added via separate map service from:

<http://mapservices.nps.gov/arcgis/services>.

- B) Create a new group layer in ArcMap called “Base Maps” and drag it under the MWRO service added
- C) Add Data  (ESRI Topo Data)
 - 1) Browse to GIS Servers → Add ArcGIS Server
 - (a) Select the “Use GIS Services” Radio Button and click Next
 - (b) Enter - <http://services.arcgisonline.com/arcgis/services> as the Internet Server URL and click Finish
 - 2) In the Add Data dialog double click on the newly added service called “*arcgis on services.arcgisonline.com*” to see all the datasets available
 - 3) Select USA_Topo_Map and add the service to ArcMap
- D) Add Data  (ESRI Imagery Data)
 - 1) Browse to GIS Servers → “*arcgis on services.arcgisonline.com*”
 - 2) Select I3_Imagery_Prime_World_2D and add the service to ArcMap
- E) Drag the Topo and Imagery map services into the Base Maps group layer and start mapping!

Note

All MWGSC map services are served in the Web Mercator Auxiliary Sphere (WGS84) coordinate system as is required by the FEMP program. The base data is maintained in UTM XX (NAD83). If local coordinates are needed for analysis, please contact the MWGSC to obtain a copy of this data.

- II) To obtain metadata: open the layer properties dialog of the layer metadata is desired for. Basic info from the “Abstract” and “Purpose” can be found here as well as a link the full metadata hosted on the NRInfo Web Portal. Likewise a link to the map service can be found as a “holding” on the NRInfo Portal.

Note

Metadata is in the process of being updated. Some units have been completed with other regional units to follow. Metadata can still be retrieved from the NRInfo Portal, but links via specific layers are in progress.