MONTANA
Department of Transportation

Project Development & Delivery - Digital Design and Modeling Services

Support Guide

Application/Tool(s):	MicroStation V8i SS10 / Power GEOPAK V8i SS10
Version(s):	08.11.09.916 / 08.11.09.918
Environment:	OpenRoads (Enhanced) Workspace
Released/Revised:	2/15/2022

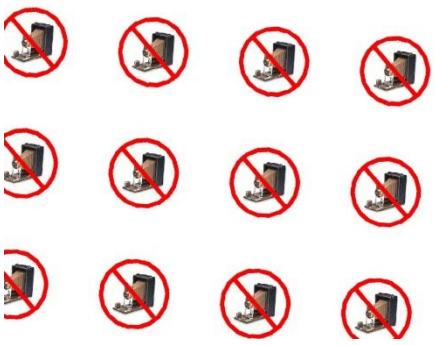
NEED HELP?

SUPPORT
Open a Case

MDT MAPS - WMS IMAGE DISPLAY

ISSUE:

Web Mapping Services (WMS) imagery can be displayed in design files using the MDT Maps macro. MDT Maps attaches a base map from CADD Standards having web mapping services attached by way of an .xwms file. A user may encounter situations where this imagery displays/prints with a pattern of red crosses, doesn't display at all or displays/prints shifted.



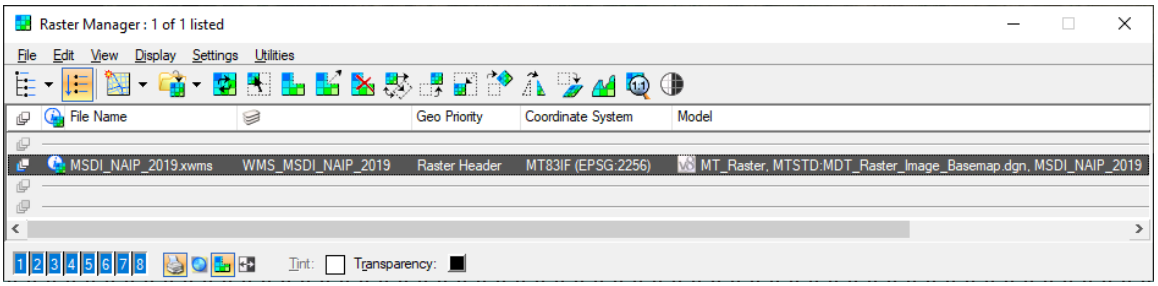


SOLUTION:

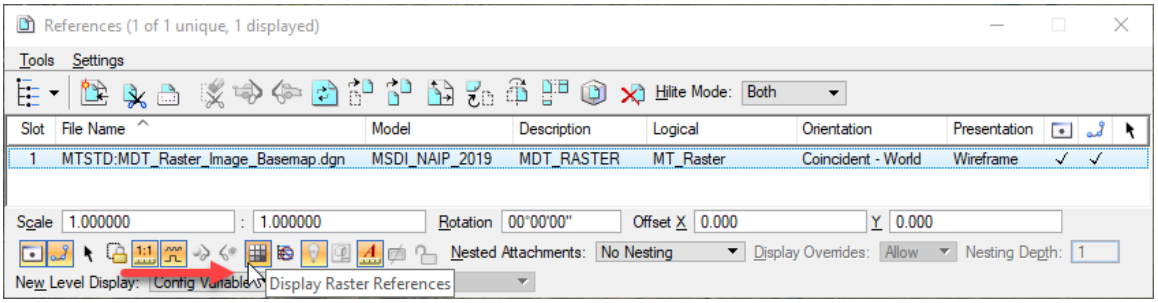
Web mapping services displaying with a pattern of red crosses in place of the expected imagery indicates a server connection error. Please Open a Case to correct this problem.

For web mapping services not displaying at all, review the following items:

- The Raster Manager will list all raster files, including .xwms, attached directly to the design file or displayed through from a reference file if the reference file display is on. Ensure there are no errors present. Errors will display in red.



- Noting the level and model from the Raster Manager, ensure the reference display and level display are on.
- Turn on the Display Raster References setting from the References dialog for raster attachments displayed through from a reference file.



- If the Display Raster References setting is already on, turn it off and back on. If this resolves the display but the issue continues with reopening the file, detaching and reattaching the file may be necessary. Reattaching this can be done with the MDT Maps macro.

Web mapping services displaying shifted may be due to how the .xwms file is attached in relationship to the coordinate system. Ensure any .xwms file attached directly to a design file is attached properly.

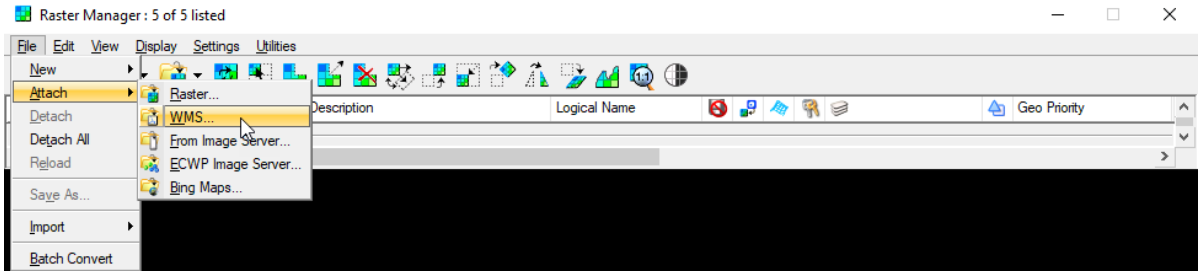
Procedures for attaching the .xwms files saved in the MDT OpenRoads (Enhanced) workspace without using the MDT Maps macro are as follows:

PROCEDURE:

1) Open the map file where imagery is to be attached.

2) Open the Raster Manager (**File** > **Raster Manager**).

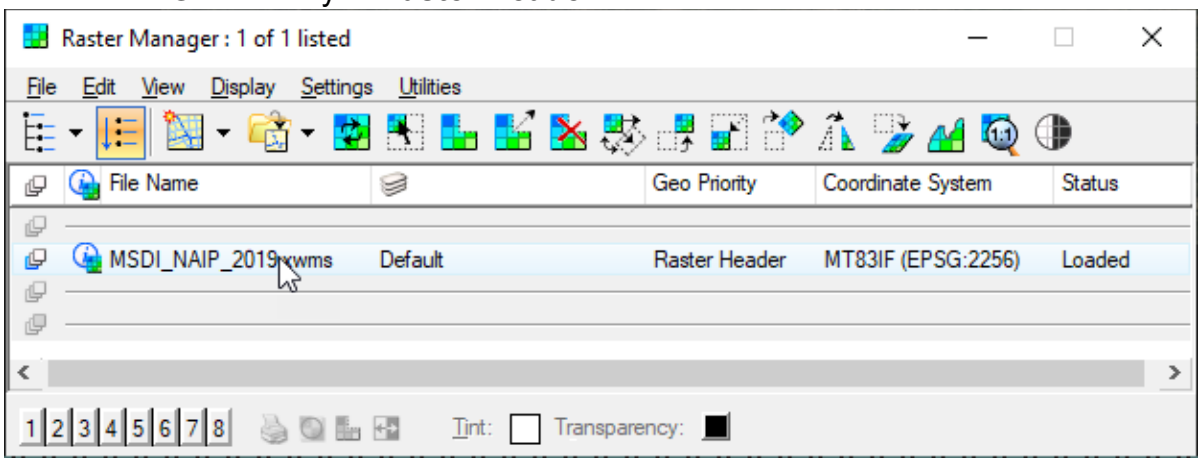
3) From the Raster Manager **File** menu, choose **Attach** > **WMS**.



4) Navigate to the MDT CADD Standards **\WORKGROUP\STDREF\MT_Raster** directory, selecting the desired .xwms file and choosing **Open**.

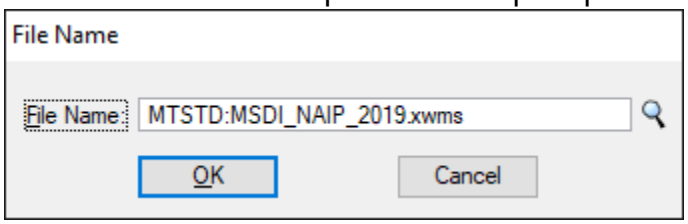
5) Set the desired Raster Attachment Options and choose **Attach**.

6) Ensure the Geo Priority is **Raster Header**.



7) Right-click the attached .xwms file and choose **File Name…**.

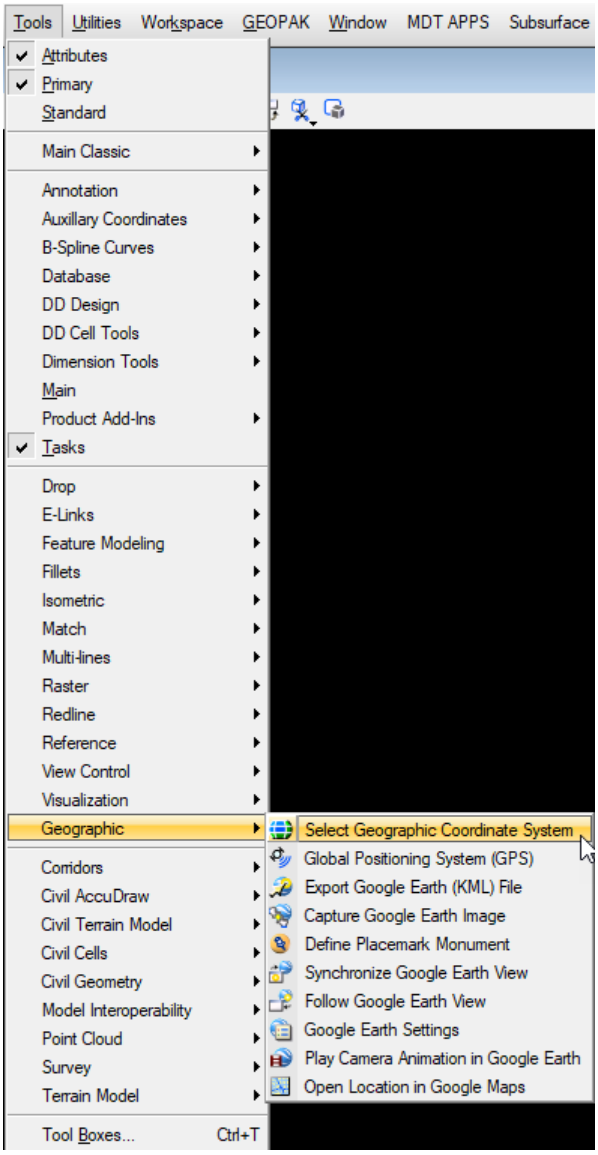
8) Edit the file name to replace the file path preceding the file name with **MTSTD:**.



Setting the Design File Geographic Coordinate System

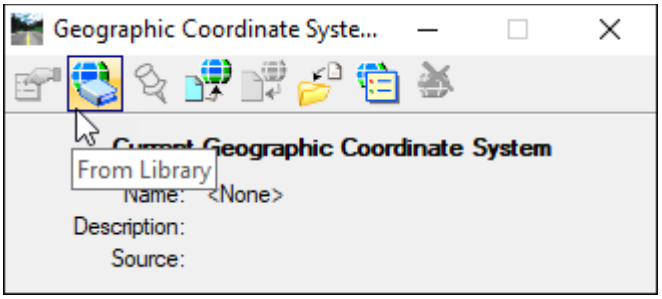
If the coordinate system for the .xwms attachment isn't the desired coordinate system, such as **MT83IF (EPSG:2256)**, the design file Geographic Coordinate System must be set.

1) Open the map file where imagery is to be attached.
2) Set the Geographic Coordinate System as follows:
   a) From the MicroStation Tools menu, choose **Geographic** > **Select Geographic Coordinate System**.*



*Alternatively accessed by choosing Tools > Tool Boxes and checking Geographic, then selecting Select Geographic Coordinate System from the Geographic tool bar.

b) Choose the **From Library** icon.



c) Navigate to the **MT83IF – NAD83 Montana State Planes, International Foot** or **MT83/2011IF – NAD83/2011 Montana State Planes, International Foot**, as appropriate for the project **(Projected (northing, easting, …)** > **North America** > **United States of America** > **Montana)**.

d) Choose **Ok**.