Using MrSID Image Files in MicroStation

Settings

MrSID image files can be found at \\jj00wa42\Region_1\ \\jj00wa42\Region_3\ \\j

\\jj00wa42\Region_2\ \\jj00wa42\Region_4\

In order to utilize the native MicroStation Raster Manager functionality to attach MrSID files, the following must be in place:

The working units in MicroStation must be in Survey Feet.

Under Workspace > Preferences, the following options must be set under Raster Manager.

On the General tab ...

Preferences [Dennis]		
Category Database Input Look and Feel Mouse Wheel Operation Position Mapping Raster Manager Reference Spelling Tags Task Navigation Text View Options - Civil View Options	Name for preferences Default Preferences Set Raster Manager preferences. General General Default Attributes Georeference Memory Update MS_RFDIR Automatically Ignore Locate Interiors Disable Delete Element Tool on Selected Rasters Display Baster Using an Independent Process Display Raster Border: When Selected Image: Construction Selected Rasters Display Raster Border: When Selected Image: Construction Selected Rasters Image: Construction Selected Rasters Display Raster Border: When Selected Image: Construction Selected Rasters Image: Construction Selected Rasters Display Raster Border: When Selected Image: Construction Selected Rasters Image: Construction Selected Rasters Display Raster Border: When Selected Image: Construction Selected Rasters Image: Construction Selected Rasters Display Raster Border: When Selected Rasters Image: Construction Selected Rasters Image: Construction Selected Rasters Display Raster Border: When Selected Rasters Image: Construction Selected Rasters Image: Construction Selected Rasters Display Raster Border: Men Selected Rasters Image: Construction Selected Rasters Image: Conselected Rasters Disp	<u>D</u> K Cancel Defaults
	For more options, click on the category list at left.	

On the Georeference tab ...

The Process

To load MrSID images:

Open **Raster Manager** from the MicroStation File menu.

Select the **Attach > Raster** option from the Raster Manager File menu.

🔋 Raster Manage	r : 0 of 0 listed	×
File Edit View E	splay Settings Utilities	
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From the **Common Raster Formats** list, select the **MrSID** [*.sid] option.

Attach Raster Reference	C30 [* c30] C31 [* c31]		? 🗙
Look in: 🛅 settings	CIT [*.cit] COT [*.cot] COT [*.cot]	.	3
My Recent Documents Desktop My Documents	URL [*cri/:tpe:/tsr] Cals Type 1 CCITT4 [*.cals/:cals/:cals/:ct1] Compuserve GIF [*.gif] Digital Terrain Elevation Data [*.dt0;*.dt1;*.dt2] ERMapper Compressed Wavelets [*.ecw] ESRI BIL [*.bi] Erdas IMG [*.ing] FLI Animation format [*.fli;*.flc] GEOTIFF [*.tif;*.tiff] Image RGB [*.a] Img [*.p] Internet TIFF [*.tiff] Internet TIFF [*.tiffF] Internet TIFF [*.tifFF4] JPEG 2000 [*.jp2;*.jpx;*.jpt],jpc;*.jpx;*.jpt JPEG [*.jp2;*.jpe;*.jpx;*.jpt] JPEG [*.jp2;*.jpe;*.jpf] Landsat TM FAST-L7A [*.dat;*.fst;*.usgs] MPE [*.mpf]		Preview Attachment Raster Preview
My Computer File name:	National Imagery Transmission Format [*.ntf;*.ns PCX [*.pcx] Portable Network Graphics [*.png] BGB Compressed [*.rdb]	Open	Origin
Files of type: My Network	Common Raster Formats	Cancel	 Place Interactively ✓ Open Settings Dialog

In the Attach Raster Reference dialog ...

Type \\jj00wa42\Region_* (1, 2, 3 or 4) into the File Name: entry field and hit enter.

Open the desired County folder & select the MrSID image file.

Place Interactively should be clicked off since these files are georeferenced.

Click **Open**.

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Look in:	🚞 Madison		~	G 🦻	P 🗉]-	S 🖲
My Recent Documents My Documents	57_Madison_I- 57_Madison_SI DTM Madison_Co_2	40_2011 R18_2011 008.sid					Preview Attachment Raster Preview
My Computer	File name:	Madison_Co_2008.sid			*	Open	Origin X: 2226833.41 Y: 129974.05
My Network	Files of type:	MrSID [*.sid] Open as read-only			~	Cancel	Place Interactively Open Settings Dialog

In the Raster Attachment Options dialog, leave as set and click Attach.

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Action ^	^			
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Image ♡]=			
Color 🔗				
Display Print 🛛 🛇				
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Attach Cancel				

Considering the file size, network speed, and workstation hardware, an entire county wide mosaic should take 40 seconds to 2 minutes to load. The refresh rate during pan and zoom is faster than the attachment rate and will vary greatly depending on the zoom level.

Keep in mind that these are high resolution images and are very large, so copying them from the source location to your local hard drive could take an hour or more and is not recommended.



Adjusting the image location by the datum adjustment factor

MrSID image files are set to state plane coordinates, but since our project coordinates are adjusted for the local area by a datum adjustment factor, we will need to adjust the image location so that all data overlays correctly.

Open Raster Manager from the MicroStation File menu.

Select the image file whose location needs to be adjusted.

👪 Raster Manager : 1 of 1 listed			
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🕼 🕞 File Name	Description	S Model	
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From the TDOT drop down menu, access the Move Raster by Datum Adjustment Factor tool.

Enter the project's datum adjustment factor and click the **Move Selected Raster by Datum Adjustment Factor** command button.

Move Raster by Datum Adjustment Factor 🔀			
Open Raster Manager	Datum Adjustment Factor		
Move Selected Raster(s) by Datum Adjustment Factor	Move Raster(s) Back to Original Location		

The MrSID image is moved by the datum adjustment factor. The image should now line up with your project data.

