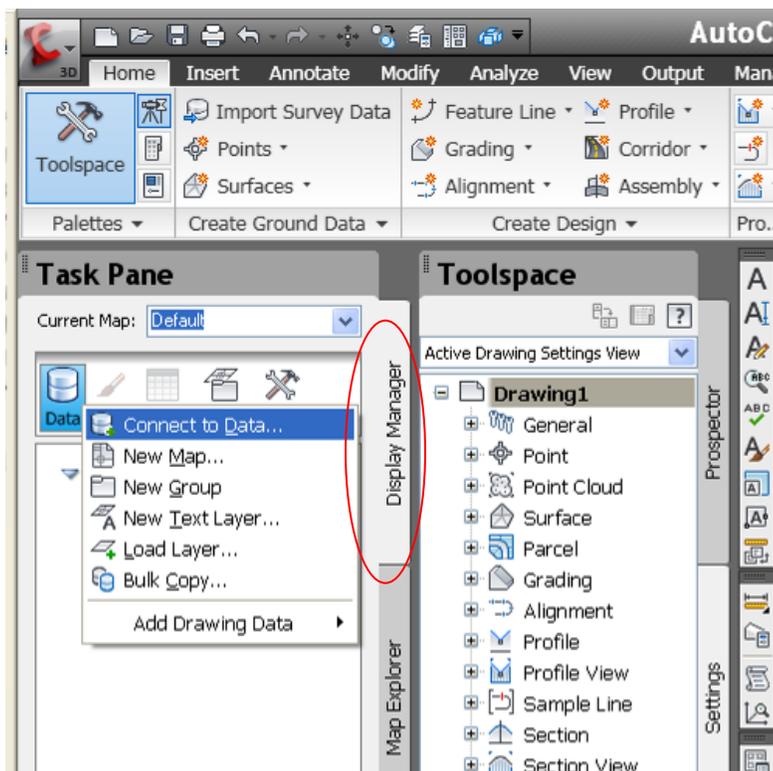


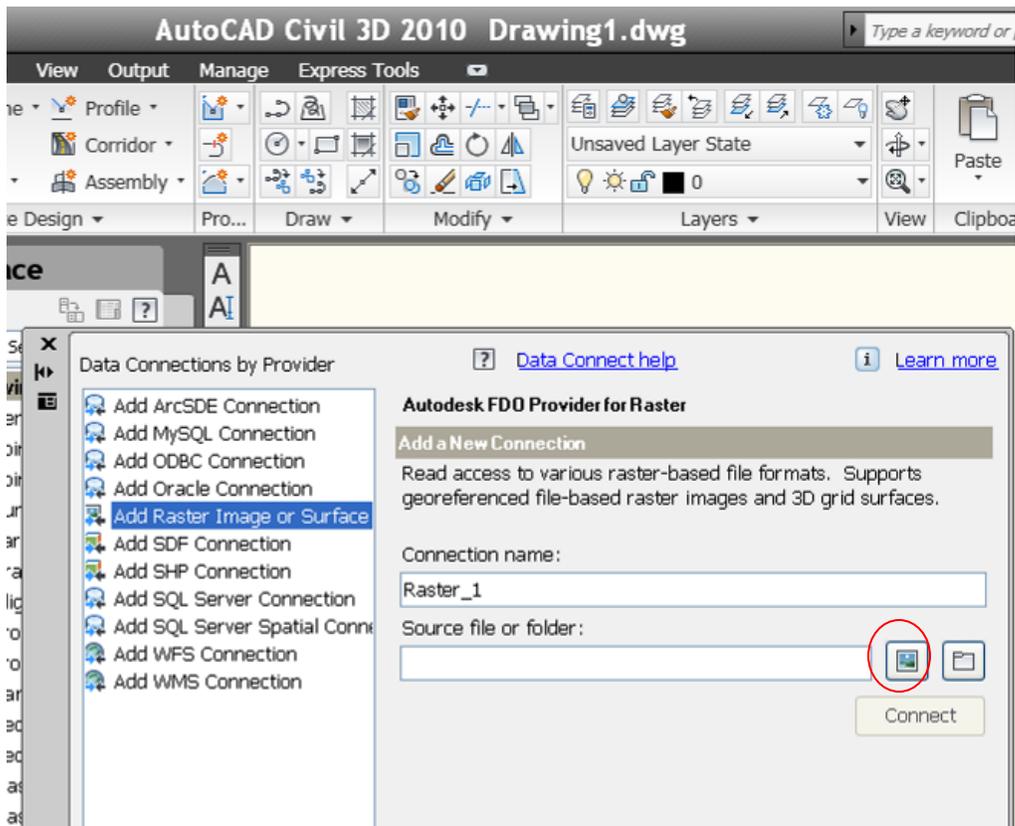
REFERENCING RASTER IMAGES IN USING DATA CONNECT

THE EXAMPLE USED HERE IS FOR THE AERIAL PHOTO BUT THIS PROCESS CAN BE USED FOR ANY RASTER IMAGE (ex. topo map).

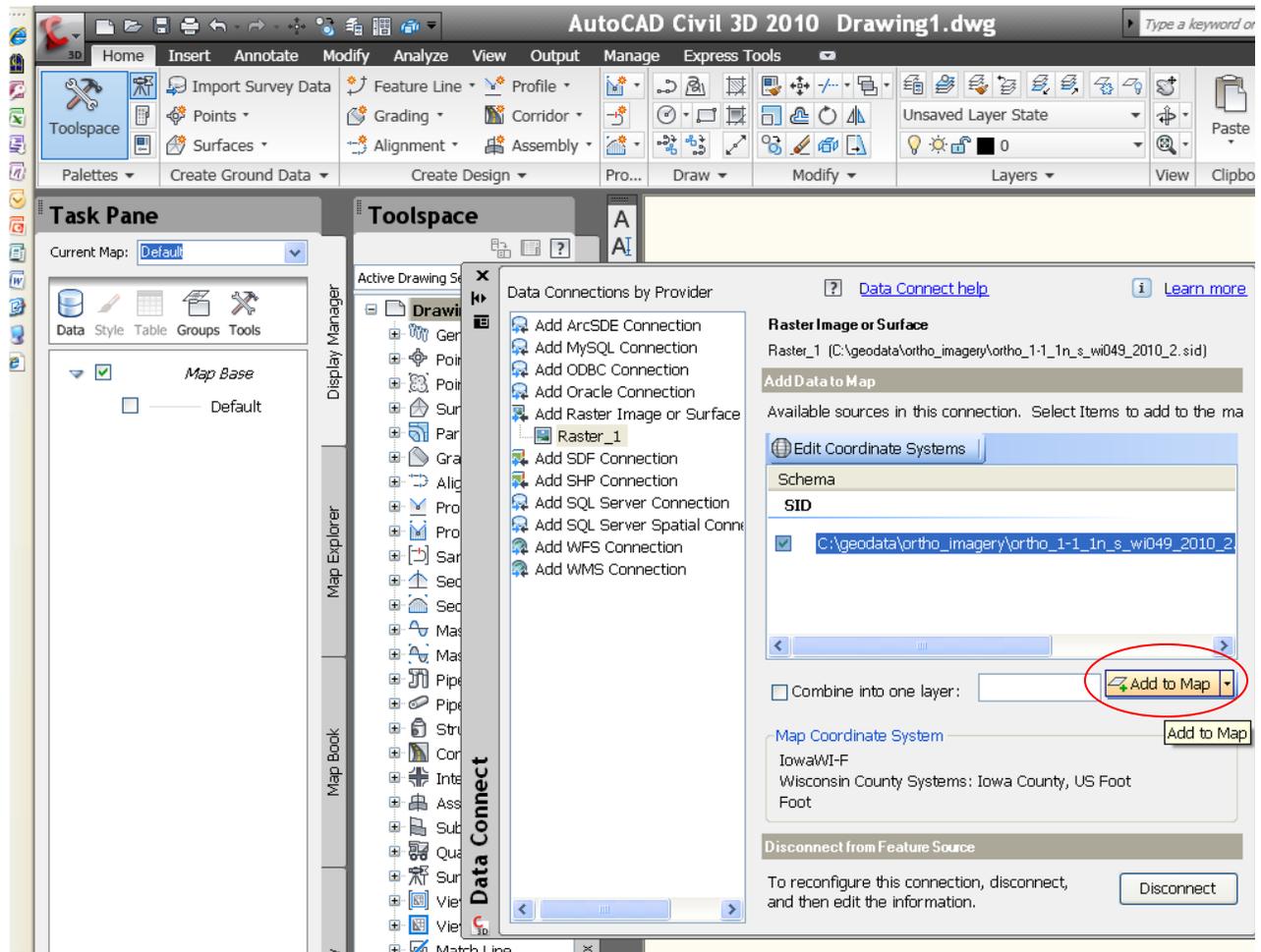
1. This step needs to be done only once on your Civil 3D version:
 - a. The "Temporary External Reference File Location" setting under the Files tab in the Options settings by default points to C:\Temp and is the setting used by the Raster Data Connect feature. Since the C:\Temp folder has some permission issues when modifying it's structure, you need to change the following settings:
 - i. Create a folder on your C drive called CADTEMP
 - ii. In CAD or MAP, type OPTIONS at the command line and select the FILE tab and open "Temporary External Reference File Location". Select "Browse" and browse to C:\CADTEMP.
2. Set your drawing coordinate system.
3. Type MAPSPACE at the command line and turn task pane ON
 - a. From the DISPLAY MANAGER tab on the TASK PANE, select DATA→CONNECT TO DATA



- b. ADD RASTER IMAGE OR SURFACE (GIVE IT A NAME OR LEAVE AS THE DEFAULT "RASTER_1"). Then SELECT THE BLUE WINDOW ICON UNDER SOURCE FILE OR FOLDER.

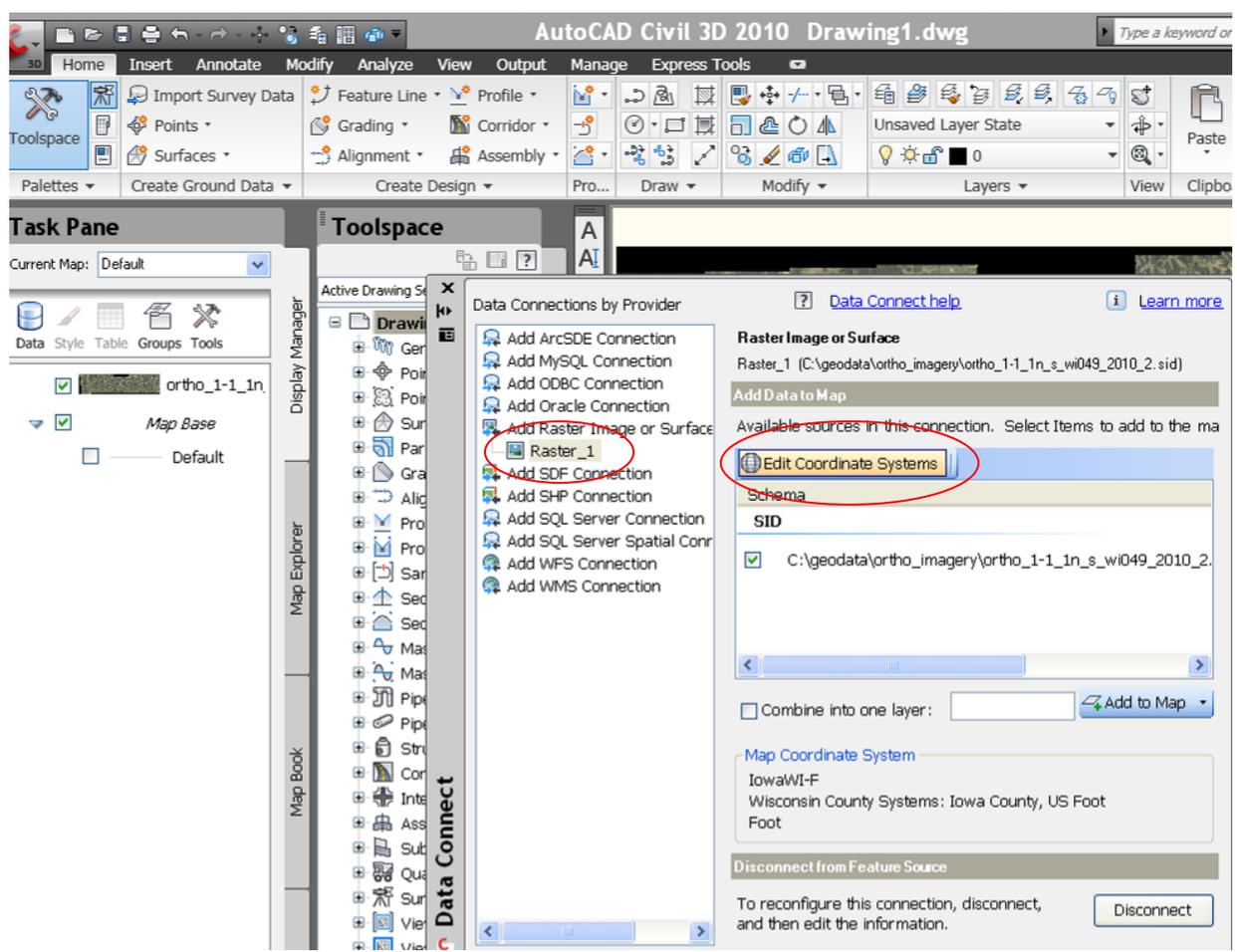
REFERENCING RASTER IMAGES IN USING DATA CONNECT

- c. NAVIGATE TO WHERE YOUR RASTER IMAGE IS AND SELECT AND OPEN and then SELECT "CONNECT"
- d. HIGHLIGHT THE SOURCE FILE AND SELECT "ADD TO MAP"

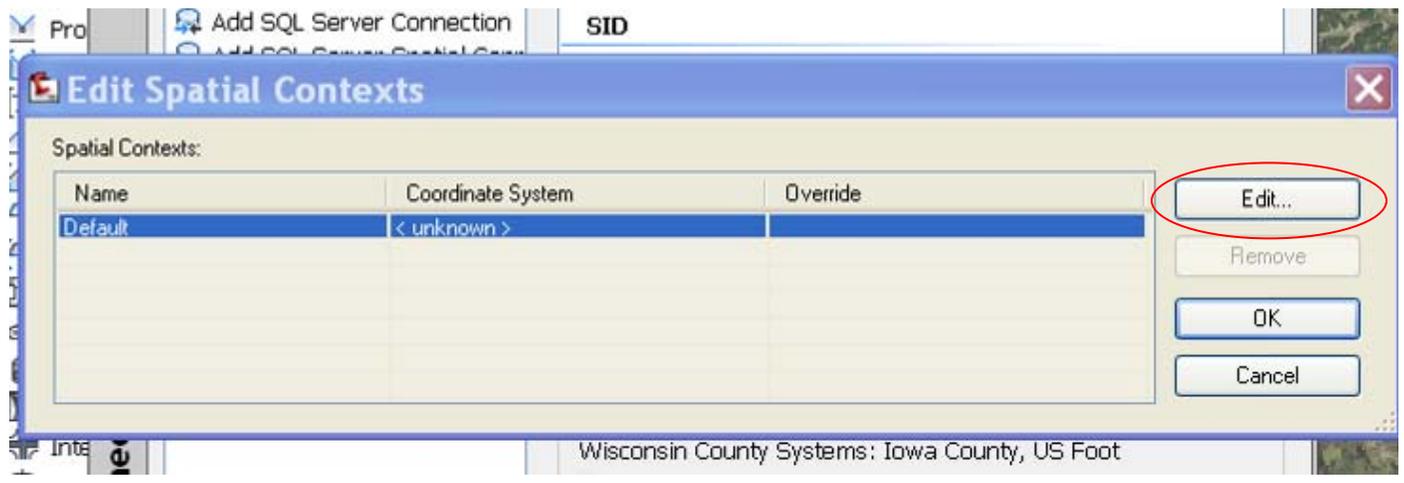
REFERENCING RASTER IMAGES IN USING DATA CONNECT

- e. NOW CLICK ON THE NAME OF YOUR RASTER (in this case RASTER_1) and select "EDIT COORDINATE SYSTEMS" button.

REFERENCING RASTER IMAGES IN USING DATA CONNECT

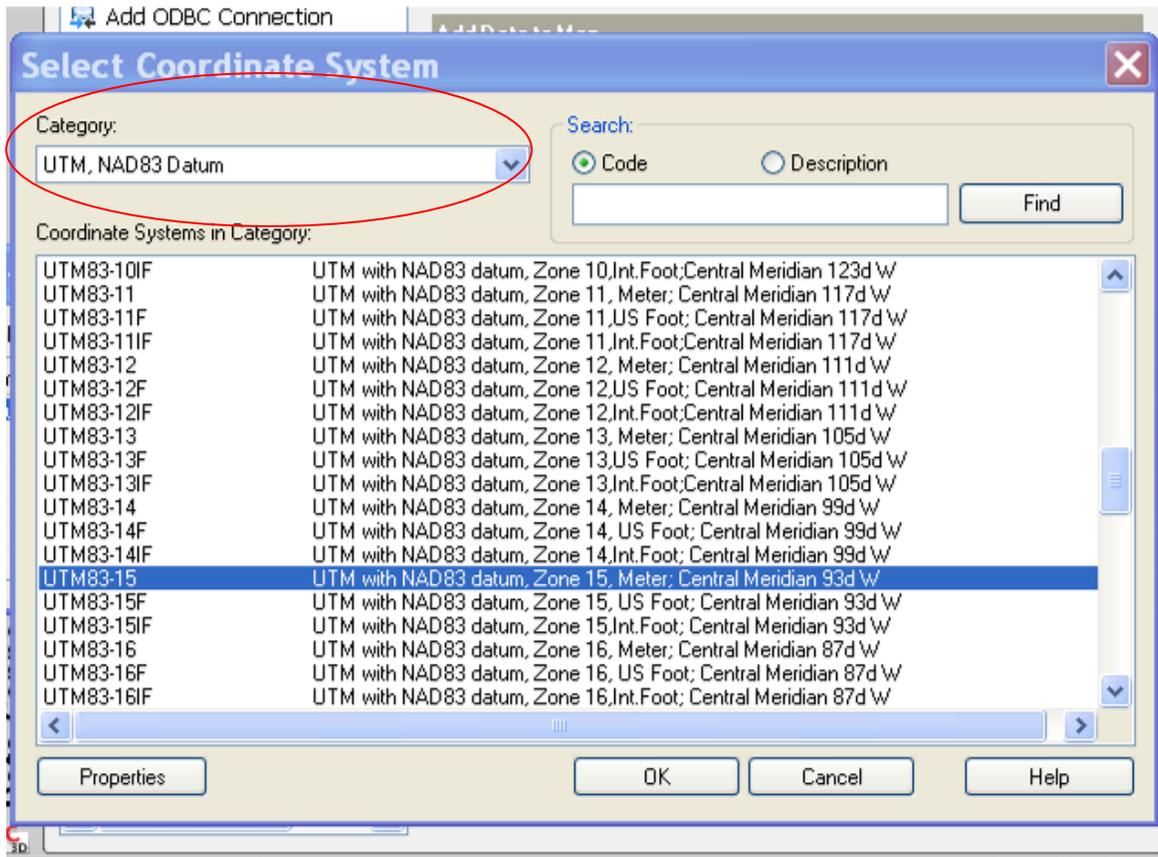


f. In the “EDIT SPATIAL CONTEXTS” WINDOW THAT POPS UP, HIGHLIGHT THE DEFAULT AND SELECT “EDIT”

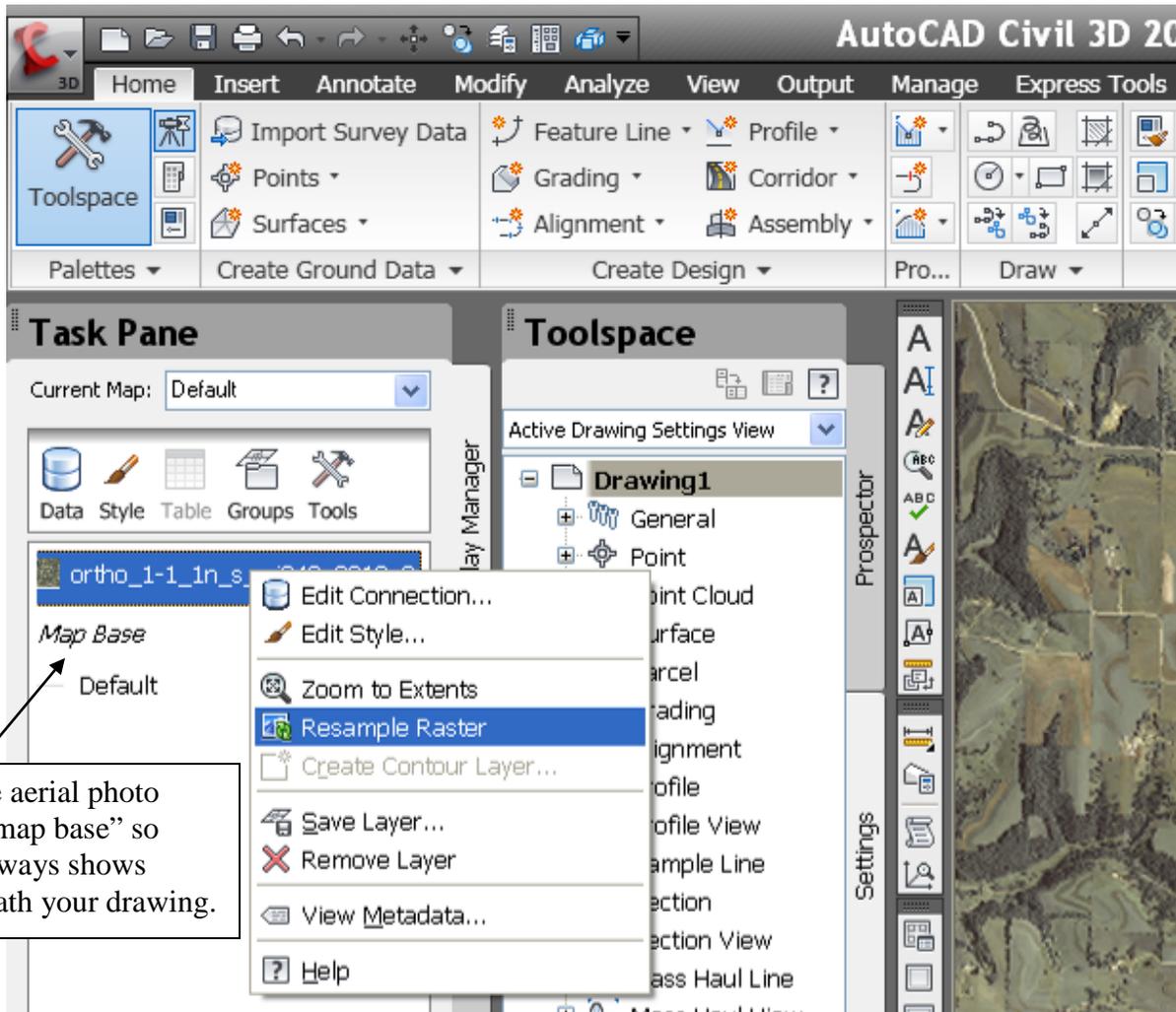


REFERENCING RASTER IMAGES IN USING DATA CONNECT

- g. PICK THE COORDINATE SYSTEM YOUR RASTER IS IN FROM THE CATEGORY DROP DOWN (MR SIDS WOULD BE "UTM NAD 83") AND THEN PICK YOUR COORDINATE SYSTEM THAT YOUR RASTER IS IN (in this case UTM83-15). Select OK and OK again.



- h. CLOSE THE "DATA CONNECTIONS BY PROVIDER" WINDOW. AT THE COMMAND LINE, type ZOOM EXTENTS AND YOU SHOULD SEE YOUR RASTER. THIS IS NOT AN IMAGE, IT IS A REFERENCED FILE SO "IMAGE CLIP" FUNCTIONS WON'T WORK
- TO DOWNSIZE THE RASTER SHOWN:
 - ZOOM INTO YOUR AREA OF INTEREST USING ZOOM WINDOW
 - IN THE DATA CONNECT TASK PANE, RIGHT CLICK ON YOUR RASTER AND SELECT "RESAMPLE RASTER"

REFERENCING RASTER IMAGES IN USING DATA CONNECT

- i. USE ZOOM EXTENTS AND YOU WILL ONLY SEE WHAT YOU PREVIOUSLY ZOOMED IN ON. IF YOU WANT TO SEE MORE OF YOUR RASTER, THEN ZOOM OUT AND DO "RESAMPLE RASTER" AGAIN.