Thanks for the help. I made some progress, using direct graphics, and think that I know what I need to do to get the zooming working. For item 2, I dont want to actually display the image, but rather put a plot of the area of coverage on the map. I think I figured this out also.

For the ellipse, I am still having trouble. I looked at the ellipse program that you suggested, and I can not get it to work. I am misunderstanding what input to give it. What I tried to do was give it the end points of the major axis, and the minor axis, but that didnt seem to work. Any suggestions?

Thanks
Neil