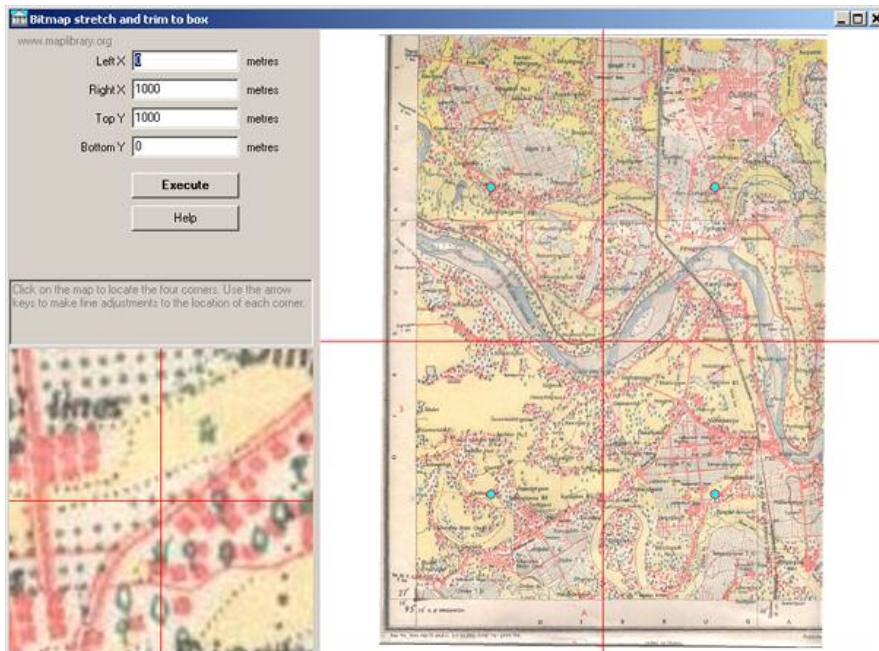


Raster Stretch

This program is a tool for stretching a bitmap image (a raster image), trimming it to a box, and calibrating it. This is primarily of use when dealing with a scanned image of a paper map. Often when making a scan it is hard to get the image precisely aligned; sometimes with old maps the paper has stretched. It can be useful where you want to make a tiled map from a number of original images. The program can also be useful when dealing with maps of an unknown projection because the map can be stretched to fit another coordinate system.

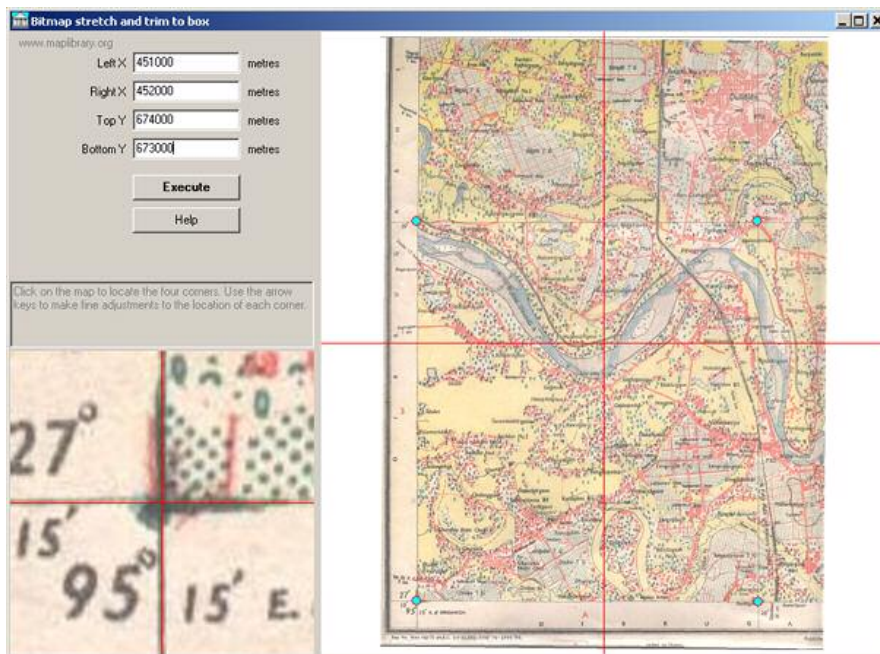
“Raster Stretch” is not a full-blown “orthorectification” program such as is used with aerial photography. It simply lets you define four points as the corners of a box and then stretches and trims the image to fit that box.

When you start the program you are asked to choose the file that you want to process. After selecting the file the image is shown in the right-hand area of the program window. The image is divided into four quadrants by red lines. In each quadrant is a blue circle. Each circle indicates a corner of the rectangular area that you want to select.



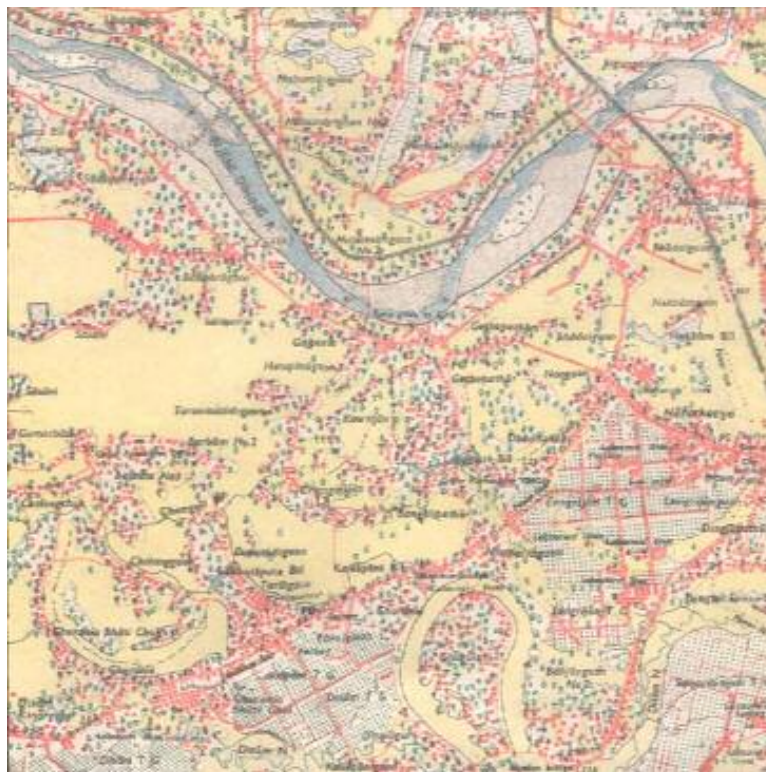
Click in each quadrant to locate the circle where you want it to be. Typically this will be on a grid line on the paper map.

As you select the location for each corner you will see that a magnified detail of that location is displayed in the bottom-left. The red cross lines indicate precisely where the selected location is. As you move the cursor between the quadrants the detail shown in the bottom-left changes accordingly. If you press any of the four arrow keys on your keyboard the detail image moves accordingly allowing you to make fine adjustments to the location of each corner.



When you have defined the four corners you should fill in the four fields in the top-left that define the extents of the image in terms of the coordinate system that you are using.

Now click on “Execute” to generate the new image. You will be asked to name the new file and, depending on the file type that you choose, you may be asked to choose the type of calibration that you want to use.



The new image is stretched, trimmed, and calibrated to the box that you defined.