

A profile of a given area on a topographic map is a cross section or a "silhouette" of that area. To construct a profile of map *A* below, place a sheet of paper as a straight edge from *X* to *Y* on the map. Mark the position of *X* and *Y* and the elevation of each contour line where it meets the edge of the paper. Transfer the straight edge to the horizontal line *X-Y* at the right of the map and indicate the position of each contour line with a dot on the proper horizontal line by sliding the straight edge up and down, using the vertical lines as guides. Connect the dots with a smooth line. Do the same for maps *B* and *C*. Scale: one inch equals one mile.



