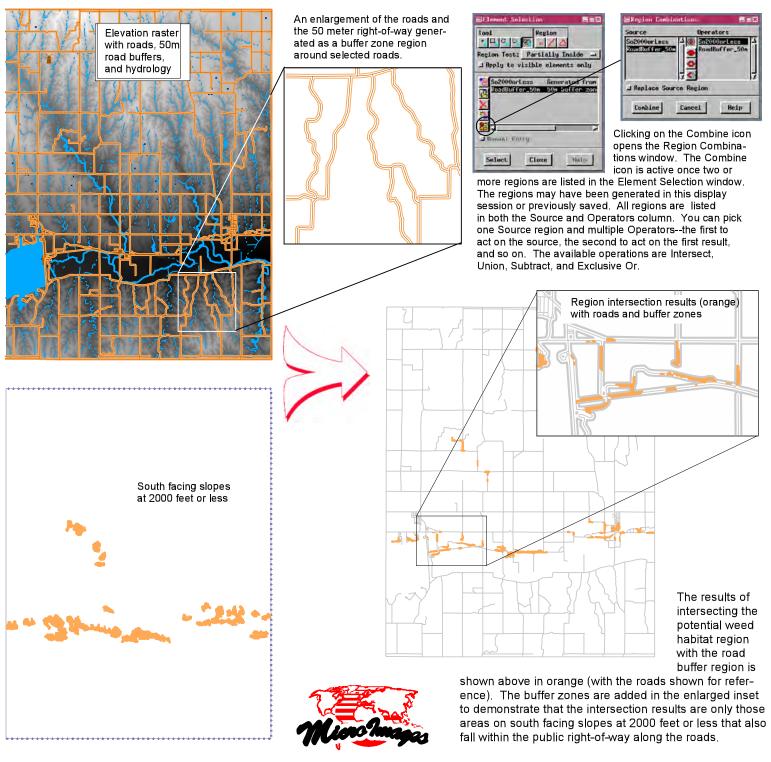
## Interactive GIS--Region Combinations

Region Combinations make powerful, interactive GIS functions available in all TNT products. A myriad of region generation methods are available based on either selected or drawn elements. The region combination functions let you Intersect, Add, Subtract, and do "Exclusive Dr" combinations on any selected pair of regions. You can use these operations iteratively to further refine the answers to your GIS quesions. The problem addressed in this example is to identify the public right-of-way areas to target for control of a noxious weed species known to grow only on south facing slopes at elevations less than 2000 feet. The region for potential weed growth was identified using a aster expression (see the Regions from Raster Expressions color plate) and the public right-of-way was generated as a buffer zone around the roads. Areas for spraying can be identified by the intersection of these two regions. The area for spraying could be further refined by subsequent intersection with a region generated from polygons selected by the soil type preference of the weed.



The example on this page was prepared entirely in TNTmips using public domain data downloaded from the Internet. All the steps necessary to accomplish what is illustrated here, beginning with the import of the data, can also be accomplished in TNTview, TNTedit, and TNTlite, with the exception of mosaicking the four Digital Elevation Model (DEM) 7.5' quadrangles into the single 15' map shown. This page layout created in and printed from TNTmips, January 1998.