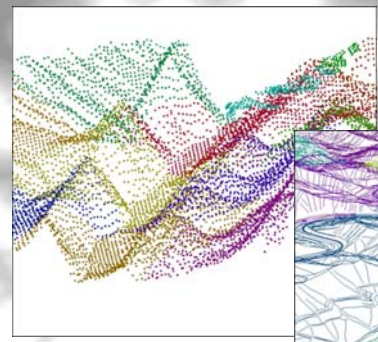
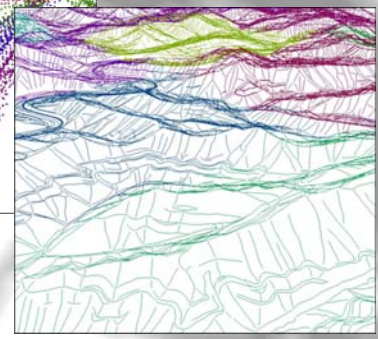
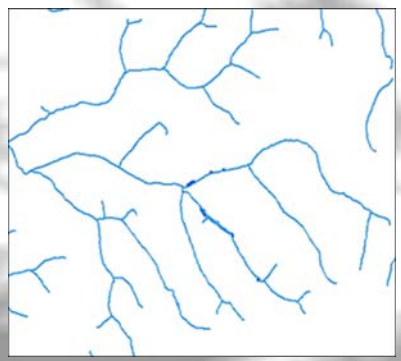
1/9th Arc Second Data for West Virginia National Elevation Dataset

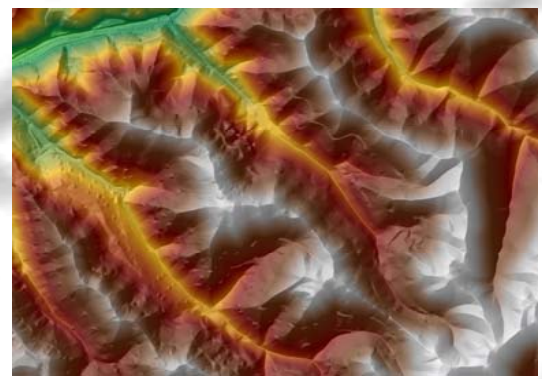




In early 2006, the West Virginia GIS Technical Center (WVGISTC), in conjunction with the State Addressing and Mapping Board (SAMB) and the United States Geologic Survey became the first state in the nation to complete the creation of 1/9th arc second (3 meter) elevation data. The data is built on mass points and breaklines collected from stereo pair aerial photography (right) by BAE Systems in conjunction with the Baker Engineering management team as part of the SAMB mission.



One of the important standards of the National Elevation Dataset is that the resultant elevation data should be corrected for hydrographic features. For this project, the WVGISTC utilized hydrographic features collected from the 1:4,800 scale aerial photography (left). Using USGS tools and processes, these streams were “burned” into the surface of the DEM in order to ensure correct drainage.

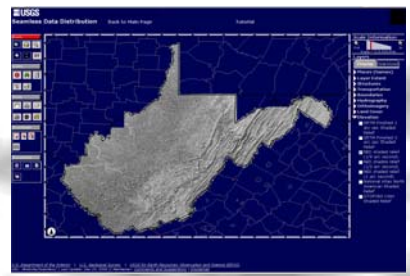


The entire dataset was made public in early 2006. The data is distributed in three ways:

7.5° quadrangle DEMs can be downloaded directly from the WVGISTC website via:
http://www.wvgis.wvu.edu/data/data.php

Alternatively, visit the USGS Seamless Data Download website in order to select and download customized extents of seamless data:
http://seamless.usgs.gov

For viewing purposes, visit http://www.mapwv.gov and utilize the web map services therein.



Date Collected:	Spring 2003
Accuracy:	Supports 10 foot contours
Cell Size:	3 meters
Available formats:	.DEM, .TIFF, Arc Grid