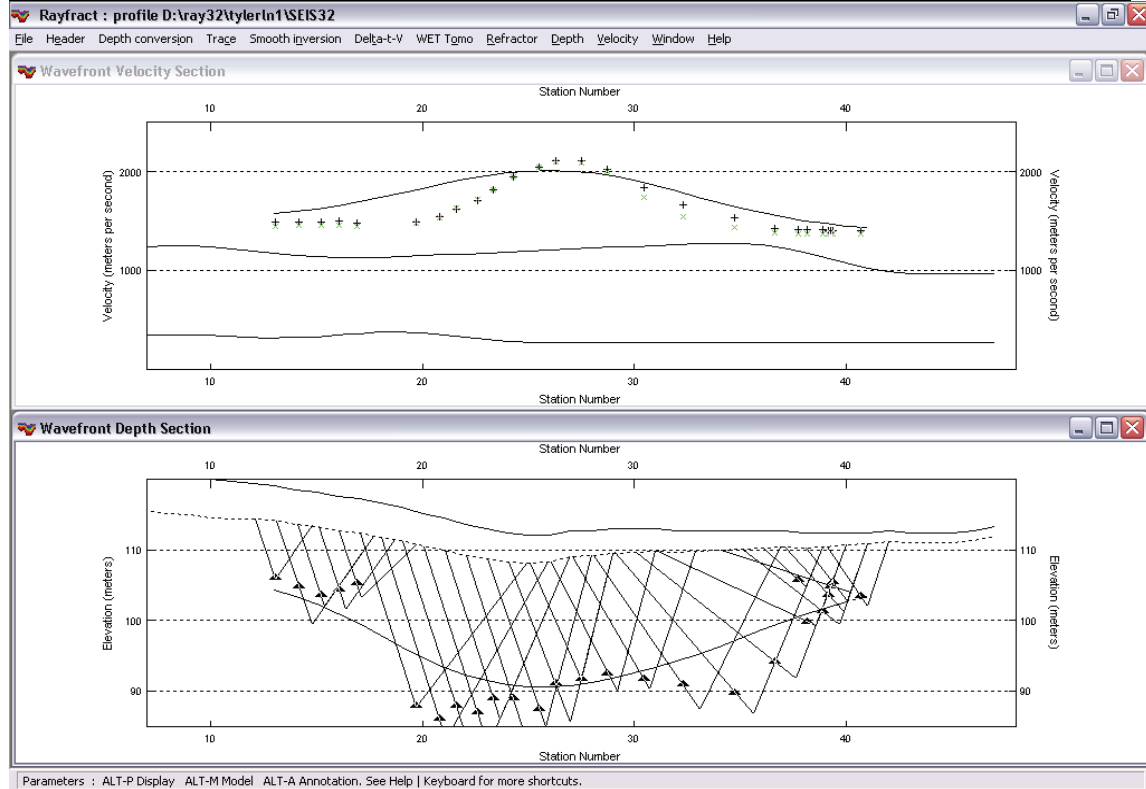
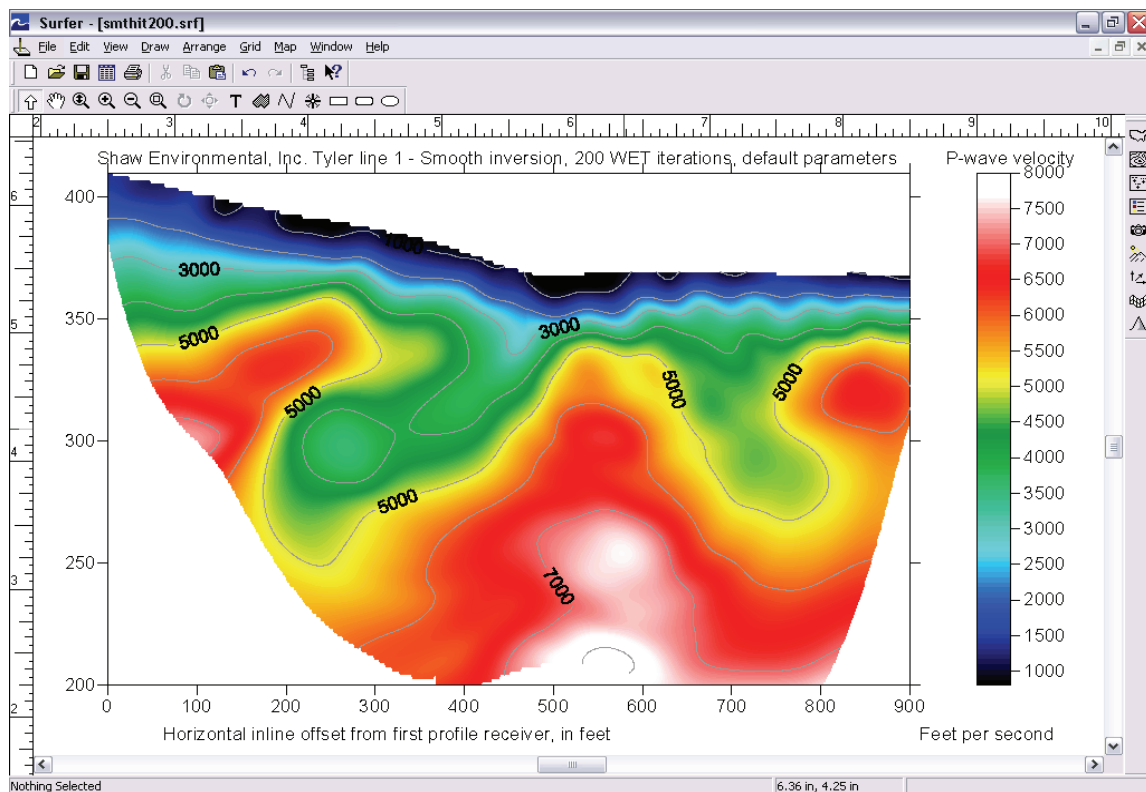


Sinkhole imaging : comparing conventional Wavefront method interpretation to true 2D WET Tomography :



Wavefront interpretation. Station spacing is 20 feet (6 m). Basement elevation at station 20 (horizontal inline offset of 400 feet) is about 280 feet (85 m), with estimated velocity of 5,000 feet/sec. (1,500 m/sec). This nicely agrees with the Smooth inversion output, as shown below.



Smooth inversion : true 2D WET Tomography, 200 iterations. Default parameters. 1D gradient Delta-t-V initial model. Above output was generated with Rayfract™ version 2.62. For an interpretation of the same data set with GeoTomo LLC software, see Fig. 9 on page 341 in [Thomas L. Dobecki and Sam B. Upchurch 2006. Geophysical applications to detect sinkholes and ground subsidence. The Leading Edge. Volume 25, Issue 3, pp. 336-341 \(March 2006\).](#)