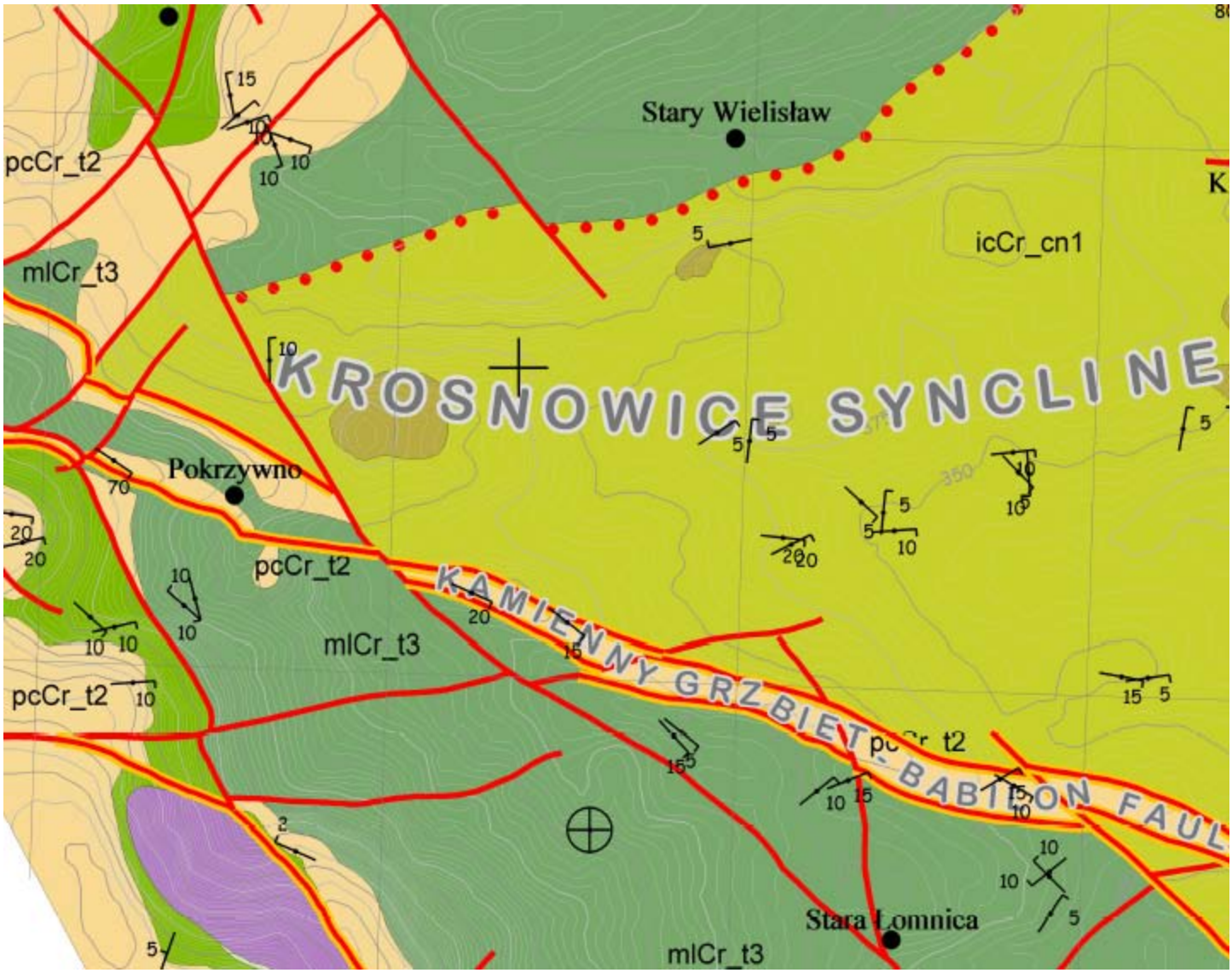
Complex Geologic Map Created in TNTmips

Geologists Jerzy Don and Roman Gotowala of the Institute of Geological Sciences, Wroclaw University, Poland, have used TNTmips to create a complex, large-format geologic map of an area in southern Poland and the Czech Republic. Entitled *Tectonic Map of the Nysa Klodzka Graben (Sudetes)*, the hardcopy version of the map is 15.75 by 29.4 inches (40 by 75.6 centimeters) in size and covers an area of about 450 square kilometers at a scale of 1:50,000. This colorful map (excerpted at full scale below) portrays the distribution of 9 rock units, major faults and tectonic boundaries, and local structural measurements. The map makes use of many of the cartographic capabilities available in TNTmips map layouts: solid and patterned polygon fills, varied line styles, a complex legend, text annotations, a scale bar, and several map grids. Each of the numerous geologic strike/dip point symbols is rendered with the proper orientation and label using a CartoScript that reads the required values from the associated point database. Topographic contours with a 5 meter contour interval were generated from SRTM DTED 2 using the TNTmips Surface Modeling process.



Full scale portion of the *Tectonic Map of the Nysa Klodzka Graben (Sudetes)* by Jerzy Don and Roman Gotowala.

This tectonic map was created to accompany an article by these authors entitled *Tectonic evolution of the late Cretaceous Nysa Klodzka Graben, Sudetes, SW Poland* in the journal Geologia Sudetica, volume 40, 2008, pages 51-63. A PDF file including the article and the full-size map can be downloaded free at http://www.ing.pan.pl/sudewww/tom040.html. A reduced-size version of the entire map is shown on the reverse of this page.

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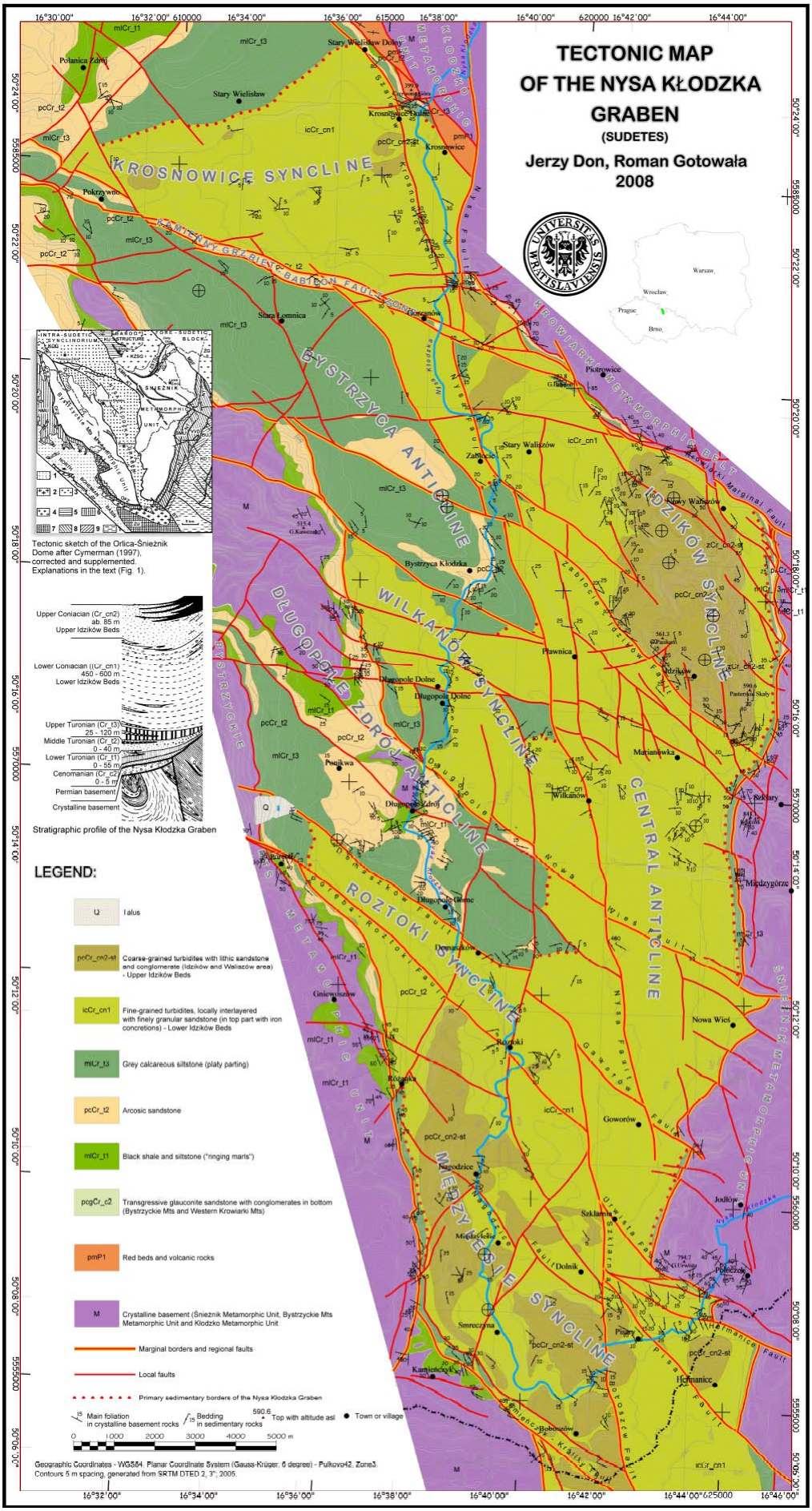

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