APPENDIX EIGHT

USER'S GUIDE TO THE MAP (A)
AND OVERLAID LAYERS

Map A presents the Peutinger map as a seamless whole, full size, in color. Its eleven segments, photographed in 2000, are rejoined as precisely as the parchment sheets' various small imperfections permit. The grids shown for reference are ones overlaid in the first instance on each segment individually. Hence, as is plainly visible, their horizontal divisions do not invariably quite match.

This display of the map permits a viewer to pan the map view (move up/down, left/right) and zoom in and out. For reference and study, a number of thematic layers are overlaid on the map. These may be turned "on" and "off" at will. Detailed instructions for users are included in the map application itself.

Layers

N.B.: Where there are different strengths or shades of color to be found for a feature on the map (e.g., red for route line work, red fill for mountains), there is no attempt to reproduce the variations in these layers.

Background (no image)
Caption (outer grid labels; segment number and title)
Coastline (blue)
Grid framework
Grid labels (4A1, 4A2, etc. on each segment)
Grid border/image frame
Image, plain
Image, inverse
Image, red
Image mask (spectrum and photo data)
Island numbers (blue)
Lakes, area (blue fill)

Lake and marsh numbers (blue)

Mountains, brown outline (no fill)

Mountains, brown fill

Mountains, pink fill

Mountains, red fill

Mountain numbers (pink)

Names of mountains, peoples, regions, display capitals (black and red)

Open water, lettering (violet)

River courses (blue)

River courses: numbers and flow direction arrows (both green)

River courses: restoration of partial erasures (blue dots)

River courses: supplementary line work (red dots)

Route linework (red)

Routes: conjectural restoration of missing line work (bright red) *Caution:* Normally, where no indication remains of what is missing, no restoration is made; likewise, there is no restoration where the placement of the stretch is unclear, as for Tranvpara (6A5).

Route stretches with no distance figure (orange)

Route stretches with no start marked (yellow)

Routes: one stretch drawn as two or more (black)

Symbols

Symbols: numbers for isolated unnamed symbols (light-blue)

Unnamed route stretches (purple)

Unnamed route stretch numbers (purple).

TECHNICAL NOTE

Map A is a web application, developed using open-source software components and hosted cooperatively at New York University by the Institute for the Study of the Ancient World (ISAW) and the Digital Library Services Team. The Djakota JPEG 2000 Image Server is used to provide multiresolution tiles of the rasterized Peutinger map images to the web application running in a user's browser.[*] In the browser, the OpenLayers JavaScript map display library combines these images with the vector overlays (in Scalable Vector Graphics format) together with simple controls for layer manipulation, panning, and zooming.[†] Map A was initially developed for Internet Explorer only by David O'Brien at the Ancient World Mapping Center using plain Javascript and the now defunct Adobe SVG Viewer. The subsequent production implementation (described here) has been developed on an entirely new, cross-browser code base by Sean Gillies at ISAW, reusing the original raster and vector imagery.

[*] http://sourceforge.net/projects/djatoka/

[†] OpenLayers: http://openlayes.org/; SVG: http://www.w3.org/Graphics/SVG/