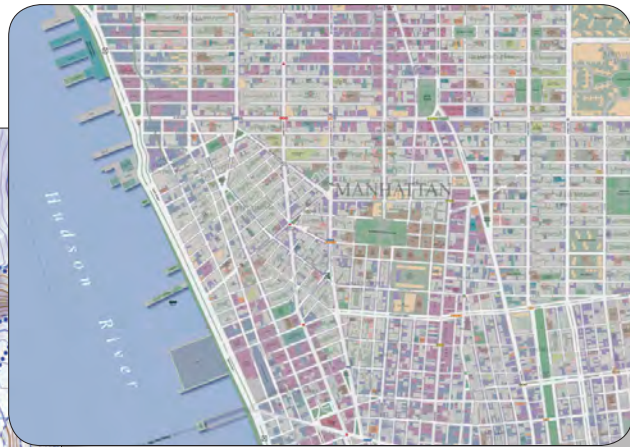
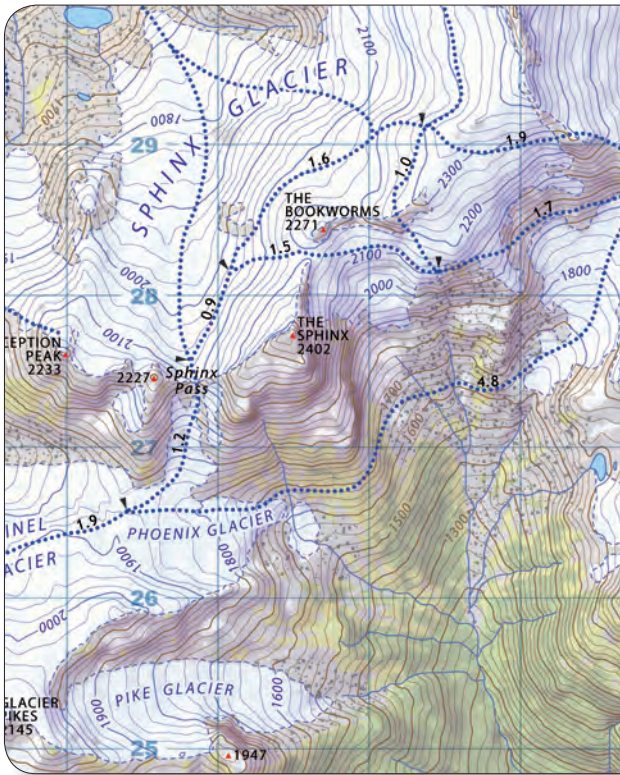


MAPublisher®

When Map Quality Matters®

Powerful cartographic design tools for Adobe® Illustrator®



GE GRAPHIC IMAGER®

Spatial imaging tools for Adobe® Photoshop®

MAPublisher®

When Map Quality Matters®

OVERVIEW

MAPublisher® is a powerful suite of plug-in tools for Adobe Illustrator, leveraging its superior graphics capabilities for high-quality map creation.

MAPublisher adds over 40 map and data import, export and editing tools to Adobe Illustrator, which yield an impressive selection of tools for creating great looking maps.

Import data from major GIS applications such as ArcGIS, MapInfo, MicroStation, Google and other GIS sources with all attributes and georeferencing intact and fully editable. Merge data sets, change projection and scale, crop, auto-label, auto-legend, auto-index and auto-register raster imagery onto vector data. Even create interactive Flash maps complete with pop-ups, roll-overs, layer controls, search, and pan and zoom controls, as well as export to Geospatial PDF.

MAPUBLISHER BENEFITS

Enhanced map editing and output

Work with GIS map data in a graphic design environment. Enjoy the design, editing and output power of Adobe Illustrator while enjoying the value of maintaining accurate world coordinates, scale and attribute data.

Create custom maps from any data

Import data sets from major GIS applications and keep all attributes intact. Most major and widely used data formats are supported, including ESRI geodatabases. Work with multiple map data files at the same time. Convert coordinate systems to georeference and overlay data from different sources.

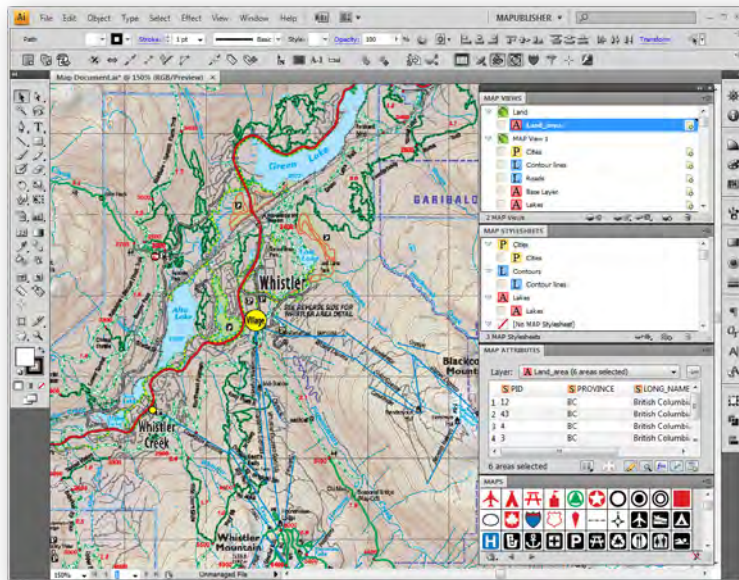
Export to Flash, Geospatial PDF and GIS formats

Make vector and database edits, data edits, additions and save your changes back to a variety of GIS data formats. Export to Flash or Geospatial PDF and publish maps online to share over the Web.

Design oriented mapping tools

Over 40 GIS and cartographic functions to use for map design.

Powerful cartographic design tools for Adobe® Illustrator®



MAPublisher integrates seamlessly with Adobe Illustrator to provide the ideal map-making environment.



Easily employ high-end design techniques such as drop shadows and transparencies as MAPublisher and Geographic Imager combine the best of graphics and GIS in an easy-to-use environment.

Enjoy full control over aspects of legend design and overall map layout.

MAPUBLISHER / GEOGRAPHIC IMAGER USERS

Private-sector, government and academic organizations worldwide rely on Geographic Imager and MAPublisher in order to create appealing, accurate and content-rich maps from their GIS data and spatial imagery.

Cartography

Atlas and map publishers including National Geographic Society and the California Automobile Association.

Government

Government agencies at all levels including the U.S. Geological Survey, UK Ordnance Survey, Central Intelligence Agency, City of Amsterdam, Land Victoria (Australia) and the National Geospatial-Intelligence Agency.

Academic

Major learning institutions such as Michigan State University, Universiti Teknologi MARA (Malaysia), ITC (Netherlands) and the Smithsonian Institution.

Publishing

Leading publications, journals and news agencies including The New York Times, The Washington Post/Newsweek Interactive and The Toronto Star.

Corporate

Corporate users including Sprint, ExxonMobil, Bechtel, and URS Corporation.

Utilities

South Florida Water, Hydro Quebec, Nevada Power Company and East Bay Municipal Utility District.

GE GRAPHIC IMAGER®

Spatial imaging tools for Adobe® Photoshop®

OVERVIEW

Geographic Imager® is a powerful suite of tools for Adobe Photoshop that allows the use of the powerful and vast image editing tools of Adobe Photoshop to enhance and manipulate spatial imagery.

Geographic Imager enhances the Adobe Photoshop design environment by adding all the tools and technology necessary to import, edit, and manipulate geospatial images such as aerial and satellite imagery, digital elevation model data and scanned maps. Use numerous native Adobe Photoshop imaging functions such as transparency, cropping, pixel editing, and brightness/contrast controls on referenced raster formats, while maintaining georeferencing. Export to several formats including GeoTIFF and Geospatial PDF.

GEOGRAPHIC IMAGER BENEFITS

Import and export spatial imagery

Geographic Imager provides the underlying spatial framework to easily import and export geospatial imagery without destroying geographic accuracy.

Mosaic, crop, tile, reference and reproject

Perform spatial operations on imagery within Adobe Photoshop and retain all geographic properties. Automatically mosaic and tile, reproject, transform and georeference, based on ground control points and save images to a wide variety of image formats.

Powerful native image editing tools

Take advantage of the hundreds of native Adobe Photoshop image editing functions while keeping geospatial imagery properly referenced. Add transparencies, edit individual colours, adjust brightness and contrast, remove seams and collars, and more.

Georeference unreferenced data

Easily add geographic information to unreferenced imagery and scanned maps.

Scripting and Actions

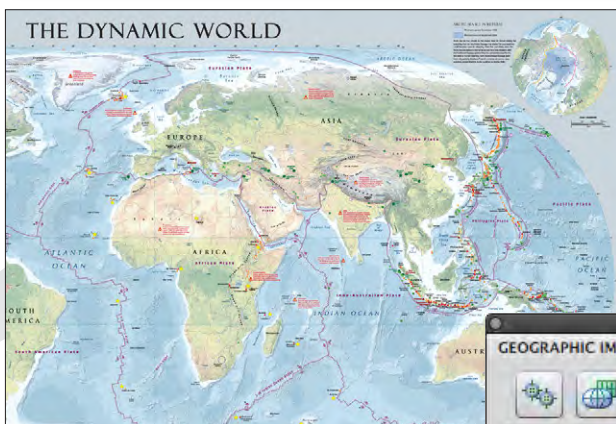
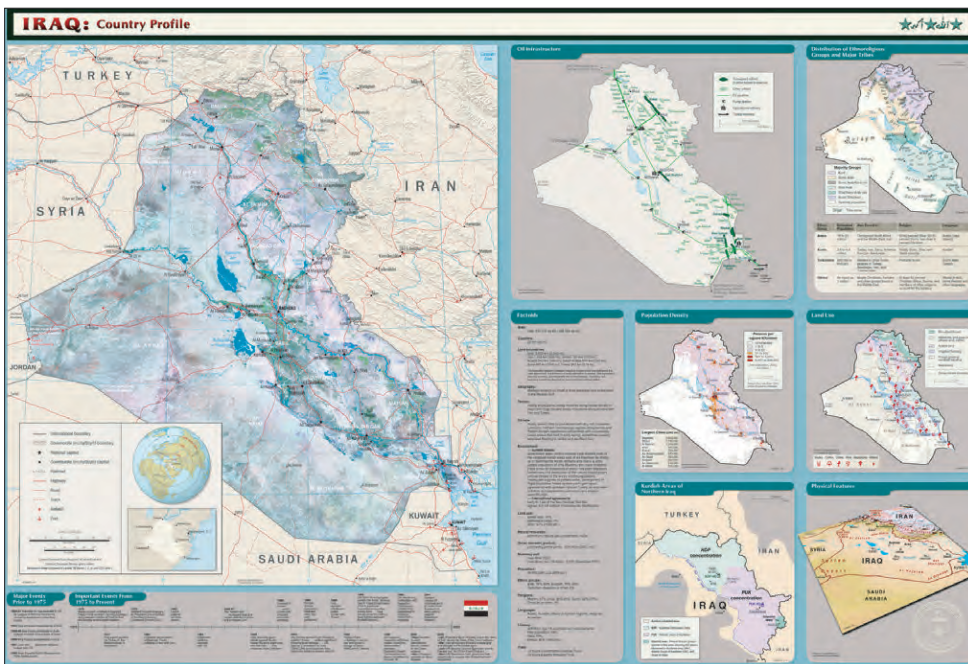
Automated scripting allows for use of Geographic Imager tasks in conjunction with Adobe Photoshop automation tools.

TESTIMONIALS

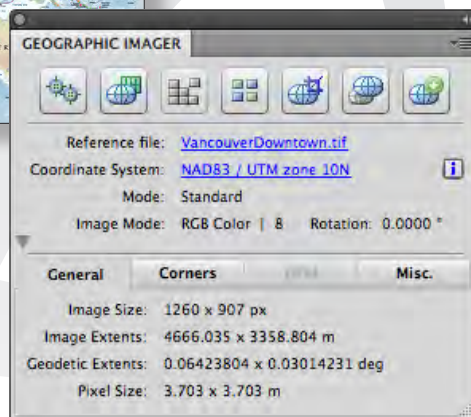
"I feel that MAPublisher is great mapping software from both a professional standpoint as well as from an education/teaching standpoint."
Steve Pelletier
Fleming College

"Thanks for all of your professional help and your ingenious software, which have helped us create some amazing maps here at National Geographic."
Carl Mehler
National Geographic

"Geographic Imager is the product that I have been hoping to have for years."
Tom Patterson
U.S. National Parks Service



Combine raster and vector data with Geographic Imager and the Register Image function in MAPublisher.



The Geographic Imager floating panel displays all the relevant geospatial information about your image.

**FREE Evaluation
Downloads**

www.avenza.com

PARTIAL SUMMARY OF TOOLS AND FEATURES*

MAPublisher®

Feature	Description
Data Formats	Import: ESRI Geodatabases, SHP, e00, GEN, MID/MIF, TAB, DGN, DXF, DWG, SDTS, TIGER/Line, GeoTIFF, TIFF with TFW, JPG with TFW, ASCII text, S-57, and OGC GML. Export: SHP, e00, GEN, MID/MIF, TAB, DGN, DXF, DWG, PDF, EPS, AI, SVG, GeoTIFF, Flash, OGC GML, and KML/KMZ (Google Earth/Maps).
Projections and Coordinate Systems	Support for thousands of unique coordinate systems including user defined and custom systems. Perform drag-and-drop coordinate system and projection transformations. Automatically detect projections upon import and perform simultaneous multi-layer reprojection. Advanced coordinate system editor for easy, on-the-fly editing of existing coordinate system database.
MAP Views	Organize and manage MAP Views. Import MAP Objects, scale, project and shift map data with the ability to preview both thumbnails and coloured extents for more precise map placement.
MAP Themes and Legends	Create and manage MAP Themes to apply Adobe Illustrator graphic styles and symbology based on map data attributes. Create and customize map legends from stylesheets, north arrows and scale bars.
MAP Attributes, Tables and Feature Selection	View and navigate attribute data in easy to read tables. Edit, create, delete, join and query (using an expression builder) map attribute data and tables. Create MAP Selections (spatial, attribute and selection filters) to effectively query data. Expression Library stores recently used and saved queries.
Feature Labelling	Automatic feature labelling using map attributes or tag individual map objects, label text along paths, and label with leader lines using preferences such as label position, text size and alignment (along lines of latitude). Create label masks or knockouts to easily hide labels placed on lines. For more control over labelling, use MAPublisher LabelPro®, a collision-free, rule-based text placement add-on.
Grids, Graticules, and Indexes	Automatic grid and graticule generation. Create grids on any projected or geodetic MAP View. Ability to edit grids after initial placement. Easily create map indexes and export to a file.
Line Editing	Join, spline, flip and plot lines. Buffer art including lines, areas and points. MAPublisher supports Bezier curves when importing from other formats. Douglas-Peucker line simplification preserves topology.
MAP Crop Tool	Crop only to the area of interest. Easily remove unwanted data while preserving attributes and styles.
MAP Web Author	Create interactive Flash maps for Web-based publishing, complete with roll-overs, pop-ups, layer controls, and pan and zoom controls. Customize maps using Javascript API and CSS reference.
Point and Line Plotting	Instantly plot centroids and lat/long points onto any projected map in projected units, decimal degrees, or Degrees Minutes Seconds. Plot coordinates to draw lines, include direction and distance.
Raster Imagery	Register georeferenced images to vector data automatically. Export plain raster images to georeferenced formats, including GeoTIFF.
Geospatial PDF Export	Export to Geospatial PDF, an Adobe Acrobat file that retains geospatial coordinates. Interact with the PDF to find and mark location data, measure distances, and view and search attributes.
Compatibility	Adobe Illustrator on Windows and Mac (see Avenza website for latest compatibility requirements).

GEOPHOTO
IMAGER®

Feature	Description
Import and Export Functionality	Import and manage georeferenced imagery including GeoTIFF, JPG, and DEM raster data formats. Export and save imagery as georeferenced standard industry formats, including Geospatial PDF.
Reference/DEM/Other Raster Formats	Read and write: World files (TFW, TIFW, WLD, JGW, PGW, SDW, EWW, BLW, DMW), Blue Marble Reference files (RSF), MapInfo Table files (TAB), GeoTIFF (TIF, TIFF), and ER Mapper (ERS). DEM formats: ESRI Grid, USGS SDTS, DEM, DTED, SRTM. Others: ECW, JPEG2000, MrSID, BigTIFF, NITF and more.
Georeference	Import or add ground control points for accurate georeferencing of images with multiple transformation types supported. Save GCP data as reference files and quickly reference using only one or two tie-points.
Projections and Coordinate Systems	Extensive support for thousands of geographic and projected coordinate systems with the ability to save custom definitions for future use.
Mosaic	Mosaic individual images to create a seamless image.
Tile	Tile an image into multiple images by tile size or count.
GeoCrop	Crop images by pixel, geodetic or projected extents while maintaining georeferencing properties.
Terrain Shader	Apply customizable and adjustable colour ramps to DEMs.
Compatibility	Adobe Photoshop on Windows and Mac (see Avenza website for latest compatibility requirements).
Licensing Options	Both MAPublisher and Geographic Imager offer multiple licensing options including commercial, academic, multi-user and floating. Empower multiple users on a network with cost effective network or floating licenses.

*Certain features are not present in all versions. See website for details.



124 Merton Street, Suite 400, Toronto, Ontario, Canada M4S 2Z2
 Tel +1-416-487-5116 · Fax +1-416-487-7213 · Toll-free (in North America) 1-800-884-2555
 info@avenza.com · www.avenza.com

© 2010 Avenza Systems Inc. All rights reserved. MAPublisher® and When Map Quality Matters® are registered trademarks of Avenza Systems Inc. All other trademarks are the property of their respective owners. Front map credits (clockwise from left): © Spatial Vision Group, © Cartifact, © QA International. Inside map credits (clockwise from top left): © Green Trails Maps, © Central Intelligence Agency, © Global Mapping Ltd, © Platts, a division of the McGraw-Hill Companies, Inc.