



| Property | Value |
|--------------------|---------------------|
| Feature | Lake |
| Geometry | Area |
| Number Of Points | 106 |
| Observation | |
| Start Time | 06/25/03 17:26:44 |
| End time | 06/25/03 17:30:04 |
| Duration | 200 |
| Position | |
| Min Latitude | 37° 21' 3.57112" N |
| Max Latitude | 37° 21' 4.60006" N |
| Min Longitude | 121° 56' 4.49544" W |
| Max Longitude | 121° 56' 2.66646" W |
| Min Altitude (m) | -7.661 |
| Max Altitude (m) | 16.876 |
| Perimeter (km) | 0.108 |
| Area (hectare) | 0.050 |
| Min Sat | 7 |
| Max Sat | 9 |
| Min PDOP | 3.0 |



EASY-TO-USE MOBILE MAPPING SOFTWARE

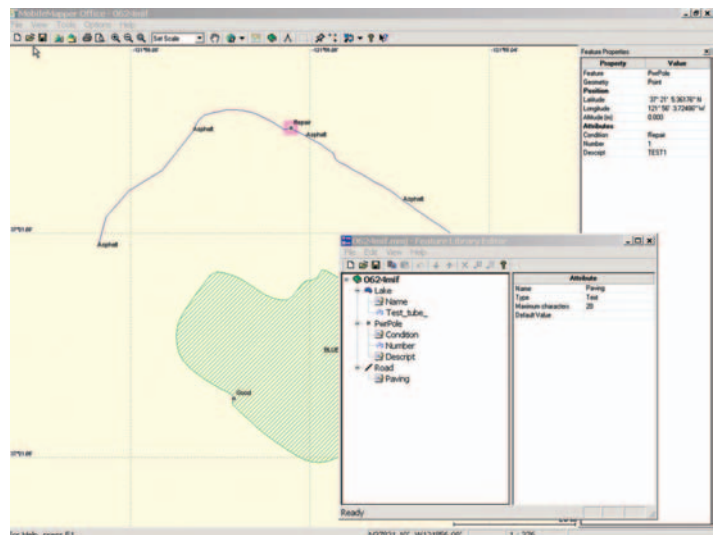
MobileMapper Office

INDUSTRIAL STRENGTH MAPPING SOLUTIONS

MobileMapper™ is a mobile mapping system combining full GIS data collection and navigation software in a handheld GPS receiver. It is backed by MobileMapper Office™, powerful office support software for easy data display, editing and export. Anyone managing assets in the field - utility workers, foresters, farmers, resource managers - can use MobileMapper and MobileMapper Office to create or update maps for analysis and storage in a Geographic Information System.

CONNECTING FIELD ASSETS WITH GEOGRAPHIC INFORMATION SYSTEMS

MobileMapper Office is a user-friendly office software package linking the MobileMapper receiver to your GIS. It imports your GIS data into job files to be updated in the field. It can also convert GIS files and Magellan® MapSend™ maps into background maps for easy navigation and reference using the MobileMapper receiver. The Feature Library Editor creates lists of features and attributes for describing GIS assets in the field. It can even generate the feature libraries automatically by reading imported GIS files. MobileMapper Office then uploads feature libraries, job files and background maps to the receiver and later downloads and displays them for quality control and export back to the GIS.



THE HIGHEST PERFORMANCE-TO-PRICE RATIO IN THE MARKET

MobileMapper's high performance-to-price ratio and user-friendly features make it easier to deploy and easier to use than any other mobile mapping solution on the market today. And with its easy-to-learn and operate features, MobileMapper Office is the perfect complement for the person making and maintaining GIS maps of feature in the field.

Feature Library Editor

- Creates and edits lists of GIS features and attributes for describing features in the field
- Supports numeric, text and menu-style attribute values
- Supports creation of MobileMapper grids for collecting data at a pre-defined network of waypoints in the field
- Automatically converts GIS files into feature libraries so you can maintain your database using the same description codes

Background Map Creation

- Creates background maps from GIS files and MobileMapper job files
- Supports the use of Magellan MapSend maps as background maps in the MobileMapper receiver
- Allows the selection of GIS themes/layers and map extents to minimize the size of the maps uploaded to the receiver

Job Creation and Editing

- Prepares job files for field data collection
- Supports importing of features from GIS files
- Selects feature libraries for inclusion in job files
- Associates background maps with job files

GIS Data Display and Editing

- Displays job files, imported GIS files, background maps and waypoints
- Displays coordinates and grid lines using standard geodetic systems, grids and datums
- Supports user-defined grid systems and datums
- Displays GPS metadata: time spent on point features, length of line features, perimeter and area of area features, # of satellites, min/max PDOP, etc.
- Displays all feature descriptions collected in the field and supports the easy editing of all attribute values

GIS Import/Export

- Supports ESRI .SHP, MapInfo .MIF and Autodesk .DXF import and export
- GIS files can be imported into MobileMapper job files
- Maps in GIS formats can be used as background maps both in MobileMapper Office and in the MobileMapper receiver
- Exports job files and background maps in GIS formats

On-line User Manual

- Technical reference for all MobileMapper Office and receiver features and functions
- Easy-to-use index
- Information from the User Manual is included in MobileMapper Help files

Language Support

- English
- French
- German
- Spanish

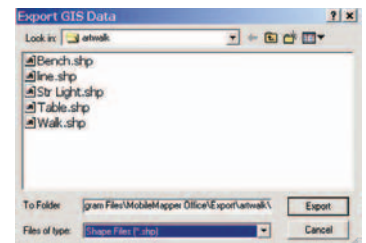
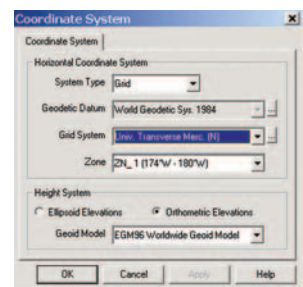
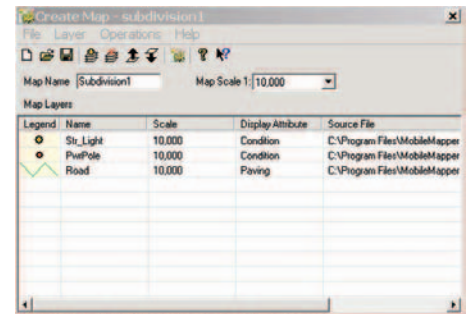
MobileMapper Office Hardware Requirements

- Windows 95 / 98 / ME / NT 4.0 or later / 2000
- Pentium, 133 MHz or better
- 32 MB RAM
- 90 MB disk space required for installation

MobileMapper Application Areas

- Utilities: maintaining power/telephone poles, distribution networks and oil/gas pipelines; writing damage assessment reports; documenting service calls
- Forestry: mapping facilities, access roads, lease boundaries, fire boundaries, infestations and habitats
- Corporate and governmental asset management: managing geographically dispersed assets such as park facilities, fire hydrants, streetlights and irrigation systems

- Agriculture/ranching: planning operations; preparing crop reports and chemical application permits; mapping facilities, boundaries and roads
- Environment and resource management: writing environmental impact reports; documenting water resources, landfill issues; mapping chemical leaks, wildlife habitats and storm damage
- Public safety: mapping fire boundaries, fire access roads, crime locations, disease incidence, storm damage; creating first response plans



Thales Navigation, Inc.

Corporate Headquarters, Santa Clara, CA, USA

+1 408 615 5100 • Fax +1 408 615 5200

Toll Free (Sales in USA/Canada) 1 800 922 2401

Email professionalsales@thalesnavigation.com

In South America +56 2 234 56 43 • Fax +56 2 234 56 47

In China +86 10 6566 9866 • Fax +86 10 6566 0246

European Headquarters, Carquefou, France

+33 2 28 09 38 00 • Fax +33 2 28 09 39 39

Email professionalsalesemea@thalesnavigation.com

In Germany +49 81 6564 7930 • Fax +49 81 6564 7950

In Russia +7 095 956 5400 • Fax +7 095 956 5360

In UK +44 870 601 0000 • Fax +44 208 391 1672

In the Netherlands +31 78 61 57 988 • Fax +31 78 61 52 027

Web site www.thalesnavigation.com

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