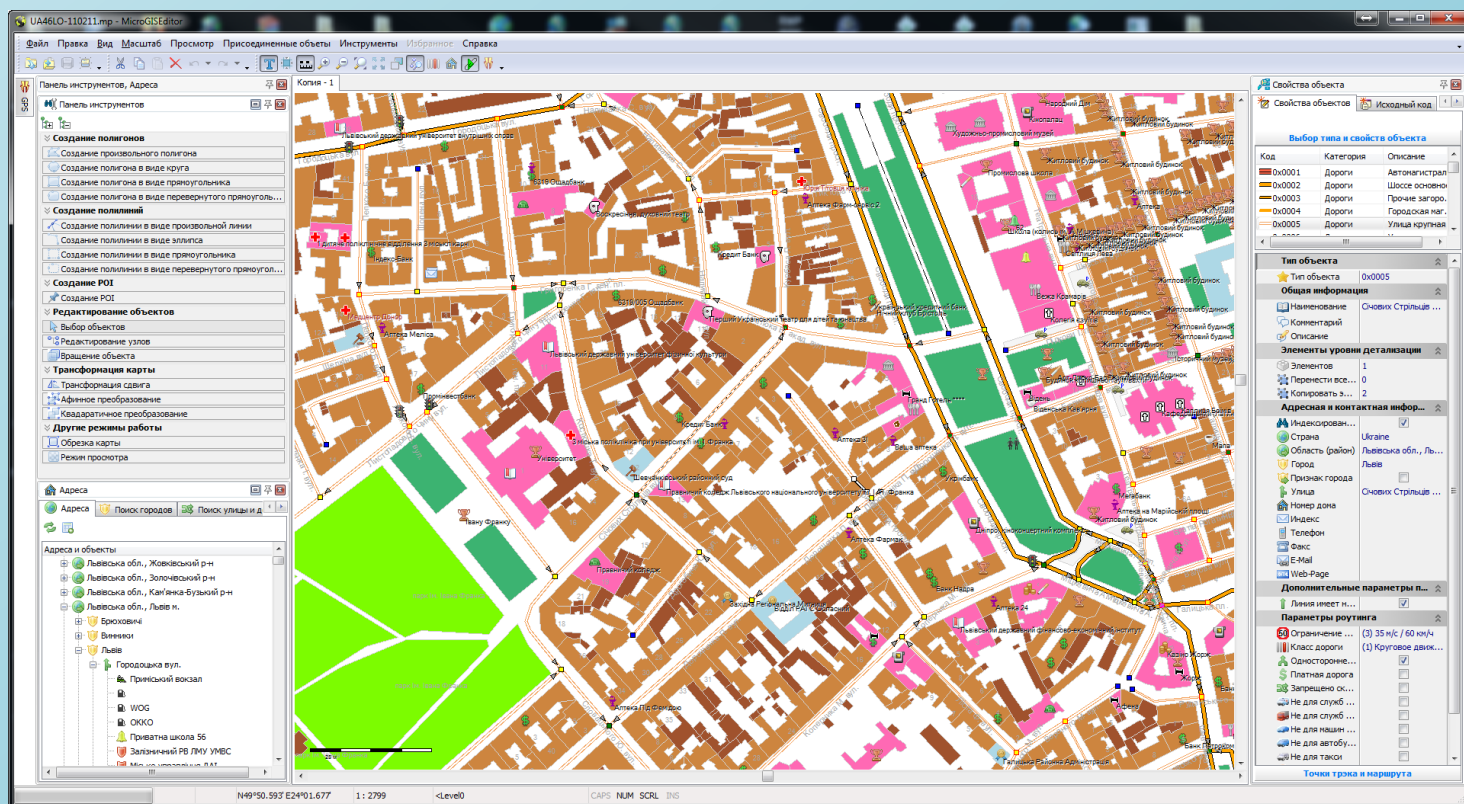# MicroGIS Editor

- **MicroGIS Editor** - used to create vector maps and map location plans to open chart form (**PFM - Polish Format**) and then compile into a closed cartographic format (**MGM - MicroGIS Format**) for later use in the program **MicroGIS Viewer**.

- **MicroGIS Editor** is also suitable for preparation of maps, and then use a third-party mapping programs.

The main functions of MicroGIS Editor

- Creation of digital vector maps and plans for the navigation software and GIS applications.
- Creating charts and plans for water bodies.
- Create maps from raster images (plates, satellite imagery).
- Creating a terrain contour according to the digital model (**SRTM**, **DEM**, **DTED**).
- Creating maps with routing, taking into account the rules of the road.
- Support full range of traffic signs.
- Support lanes.
- Support prohibition of traffic, including on the day of the week and time of action.
- Support **UNICODE**.
- Support different type sets (**ALAN/HOLUX**, **GARMIN**, **TOPO**)
- Support custom types (**Garmin TypSet**).
- Verifying a route taking into account the vehicle.
- Convert **tracks / routes / waypoints** to popular formats.
- Create maps for use in navigation devices and software **GARMIN**, **ALAN**, **HOLUX**, **City Guide** etc.
- Compilation maps in indoor mapping format (**MGM**), for use in **MicroGIS Viewer**.
- Creating address database in maps.
- Creating new objects from the known geodetic coordinates.
- Correction maps for tracks.
- Comparison of the maps with space images **GOOGLE**, **Yandex**, **WikiMapia**, **Bing**, etc.
- Adjust the position of objects on the maps by **GPS** (**NAVSTAR**).
- Support **NMEA-0183**, **GARMIN**.
- Automatic detection of connected **GPS** antenna.
- The ability to use the editor in the preparation of maps as a subsidiary, an intermediate, with subsequent export of the data obtained in the other map formats. Example following the format **ESRI Shape**.
- Working in an environment **Microsoft Windows**.

Secondary functions MicroGIS Editor

Map editor can be used as an auxiliary, intermediate editor, in preparing the maps, to further export the data in the other map formats. For example MapInfo format or ESRI SHAPE.

Supported formats data MicroGIS Editor

Vector maps::

- *.mp - Map Polish Format (Open mapping format)
- *.ard - Alan map 600
- *.crd - Alan map 500
- *.lst - Alan map 500 list
- *.img - Garmin MapSource map
- *.ard - Holux MapRoute map
- *.crd - Holux MapShow map
- *.lst - Holux MapShow map list

Raster maps:

- *.ecw (Enhanced Compression Wavelet) – Open a raster format
- *.jp2 (JPEG 2000) – Open a raster format
- *.map – all formats supported OziExplorer

Elevation data base :

- *.hgt (SRTM) - Shuttle Radar Topography Mission

ON-LINE maps :

- GOOGLE maps
- GOOGLE satellite imagery
- GOOGLE relief
- Yandex maps
- Yandex satellite imagery
- Bing (Virtual Earth) maps
- Bing (Virtual Earth) satellite imagery
- WikiMapia maps
- Nokia Map Creator satellite imagery

Tracks, waypoints, routes:

- *.gdb (GDB2, GDB3) – Garmin database files (tracks, WP, routes)
- *.mps – Garmin MapSource files
- *.plt - OziExplorer track
- *.wpt – OziExplorer waypoints
- *.rte – OziExplorer route
- *.rt2 – OziExplorerCE route
- *.tlg – Alan map 500 legacy track
- *.trl – Alan map 500/600 tracks
- *.trl – Alan map 500 OS 3x CA track
- *.wpr – Alan map 500/600 waypoints
- *.wrt – Alan map legacy waypoints
- *.csv – GuardMagic track
- *.rte – PCX5 routes
- *.trk – PCX5 track
- *.wpt – PCX5 waypoints
- *.rgn – Garmin MapSource POI map
- *.tdb – Garmin MapSource map index
- *.tkl – Holux MapShow 305 track
- *.trk – Holux MapShow track
- *.wpo – Holux MapShow waypoints
- *.wpt – Holux MapShow 305 waypoints
- *.trk – Magellan MapSend track
- *.wpt – Magellan MapSend waypoints
- *.gpx – Garmin eXchange format

Creation of thematic vector maps
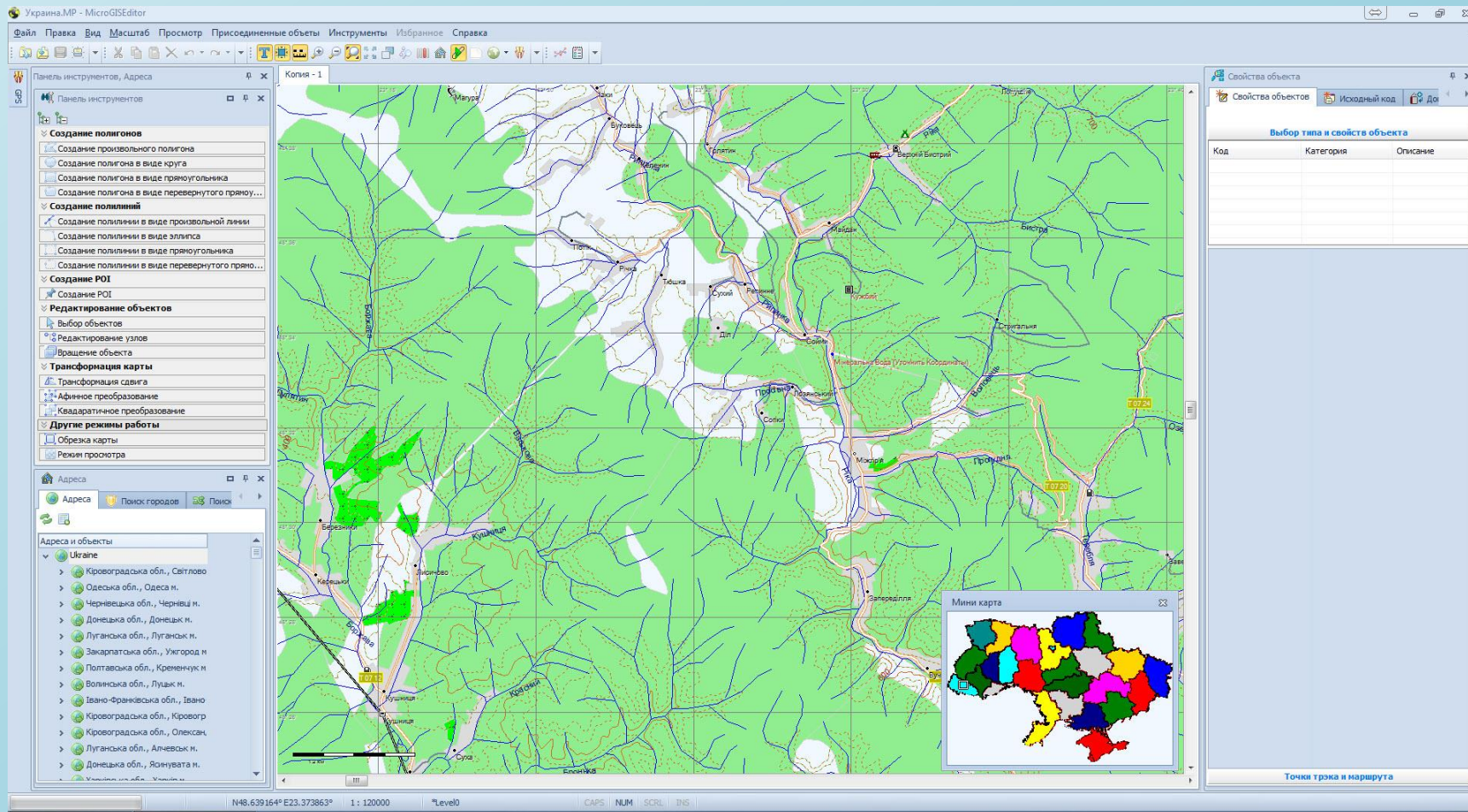
Creating a survey of vector maps
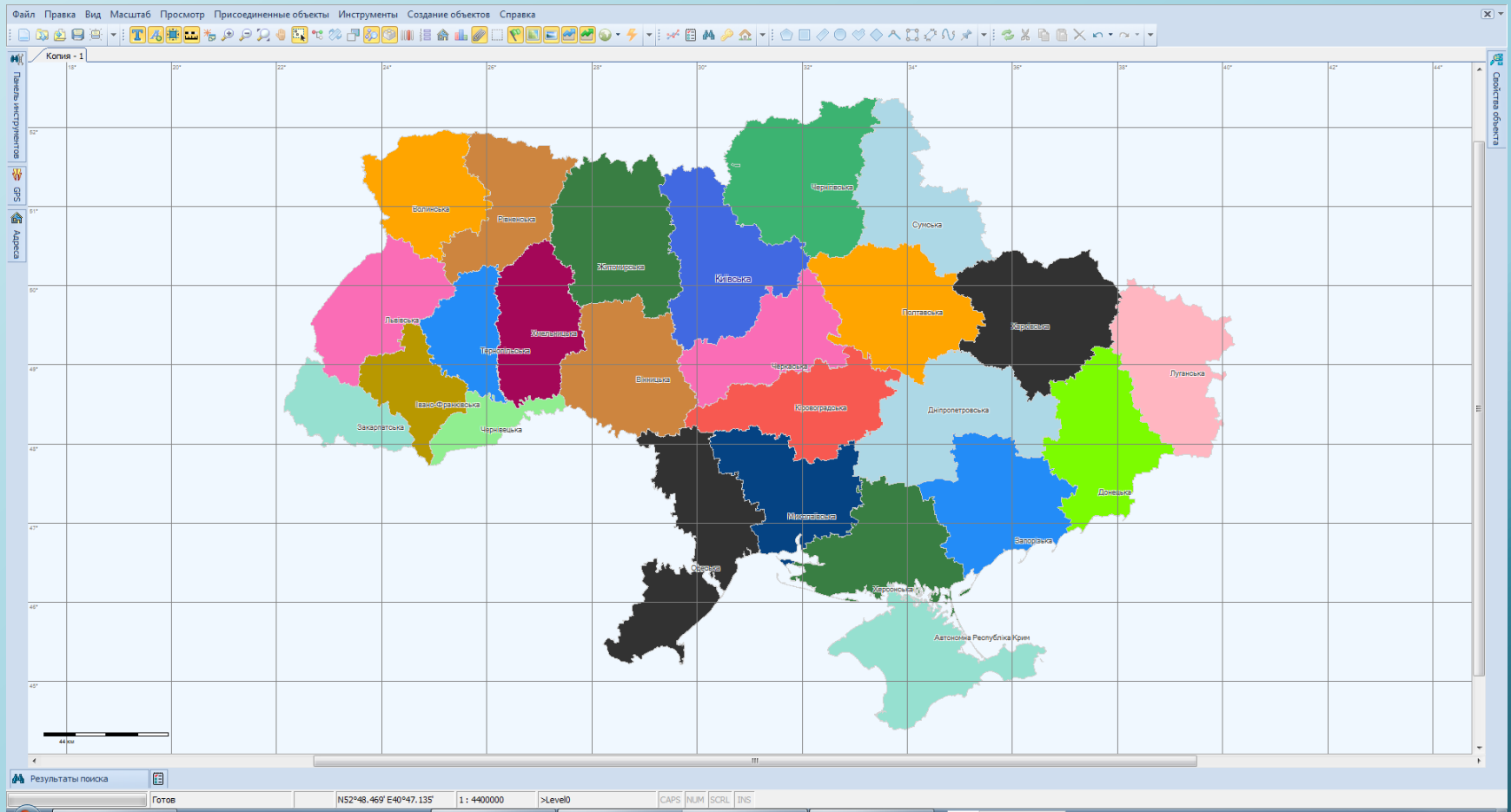
Creating a detailed vector maps and town plans

Working with large volumes of raster maps
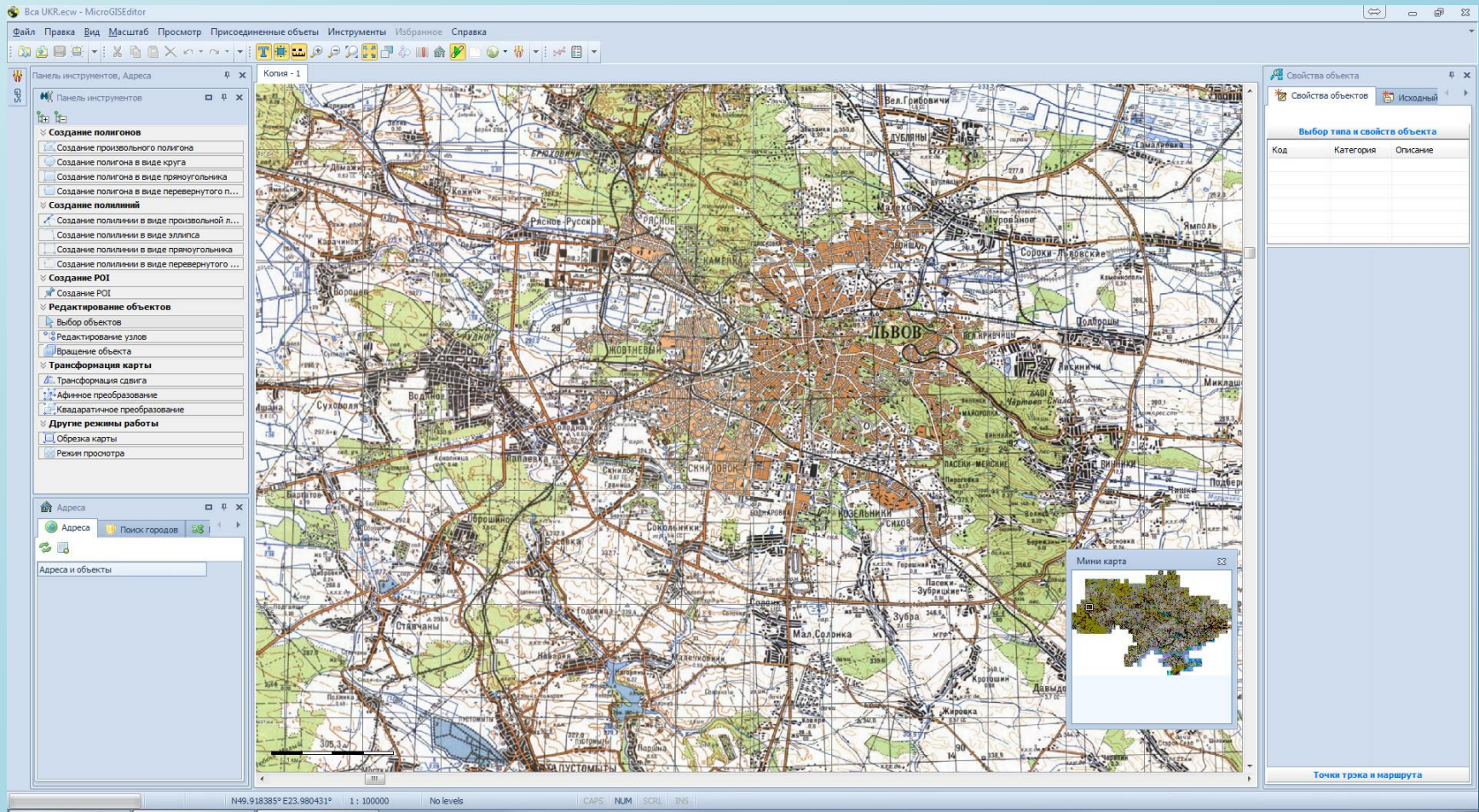
Using aerial photographs of large volumes
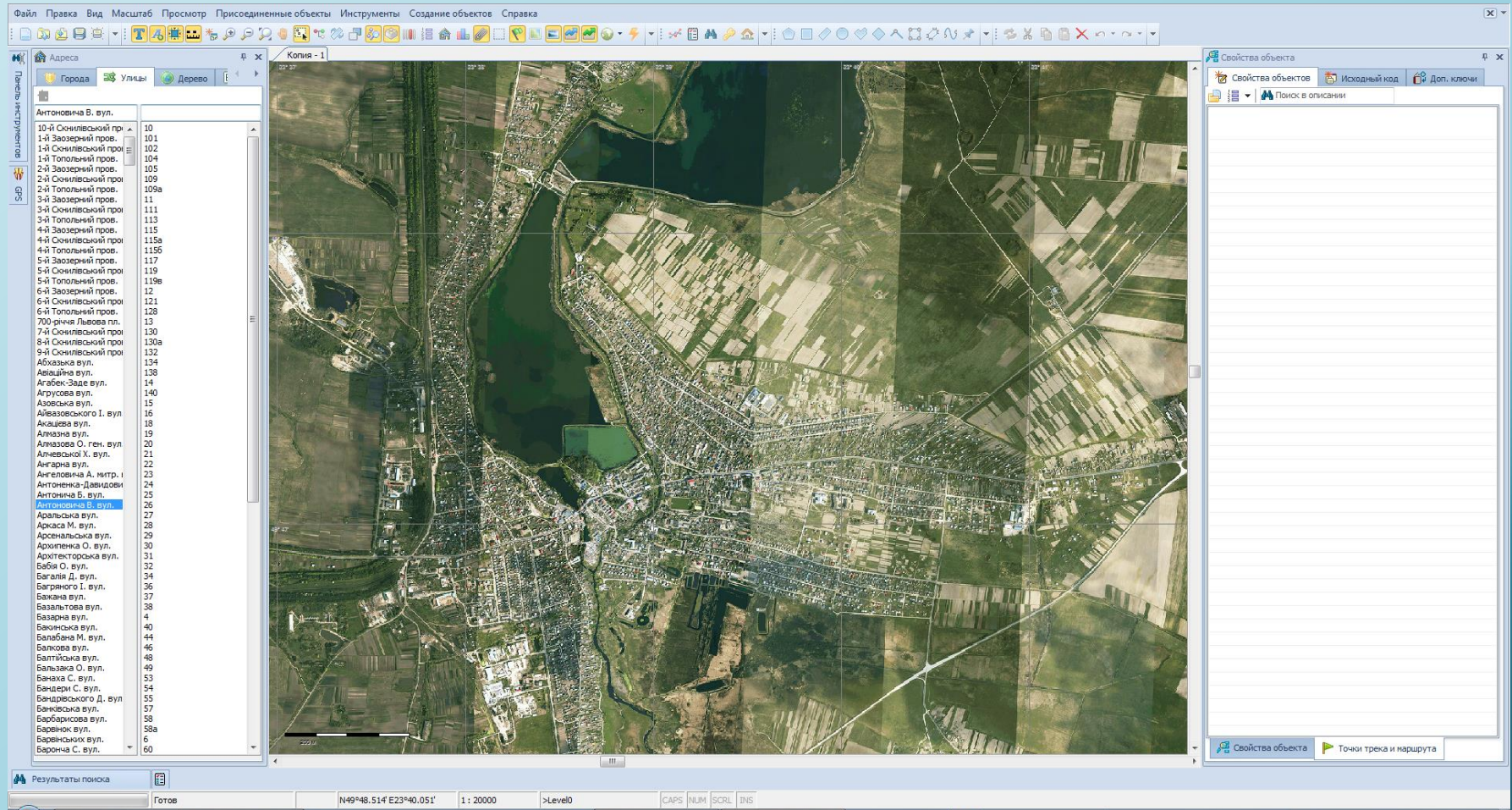
Connecting to open On-Line services and WMS servers with built-in script PASCAL
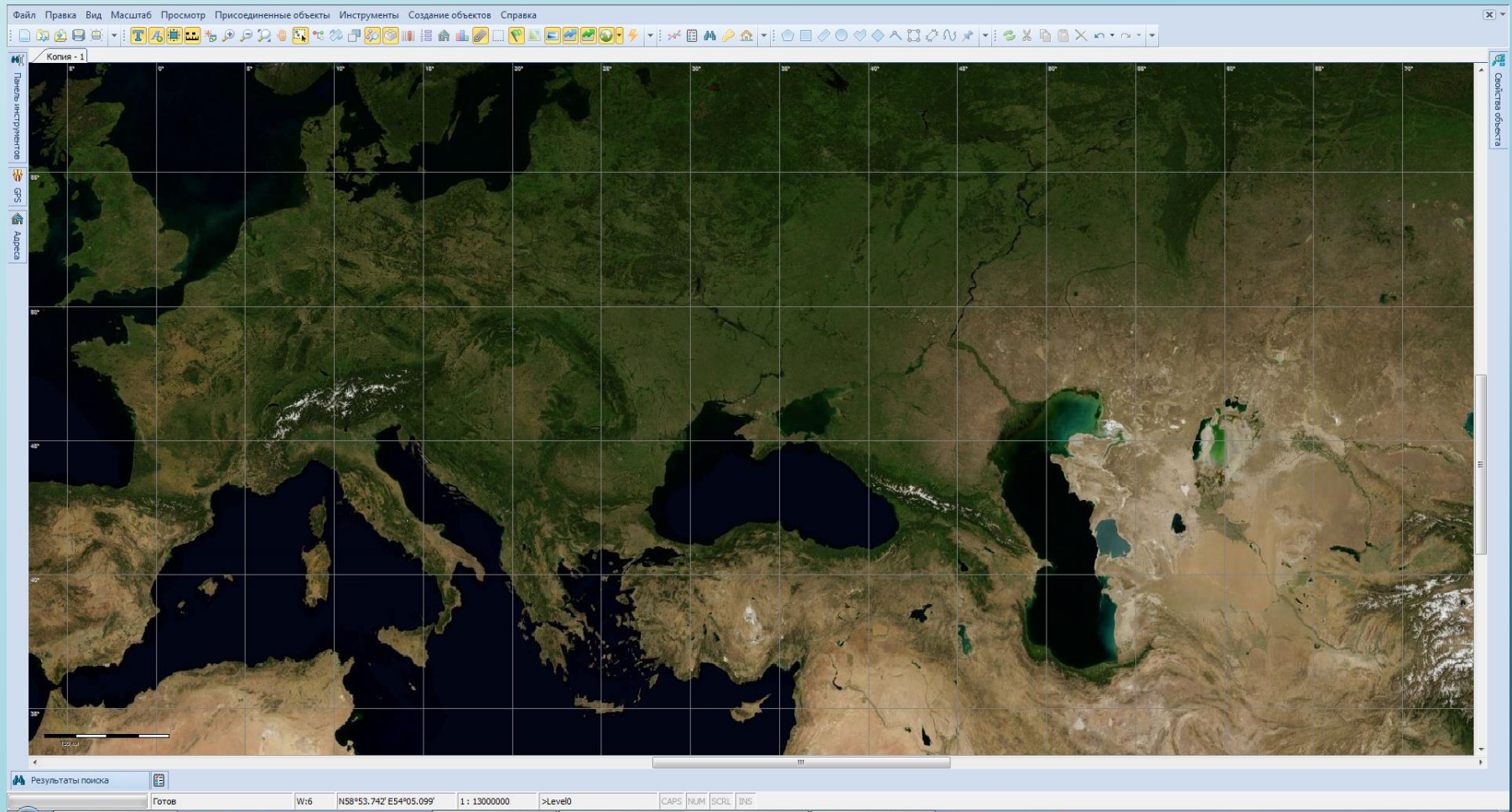
Create contour, according to a digital elevation model
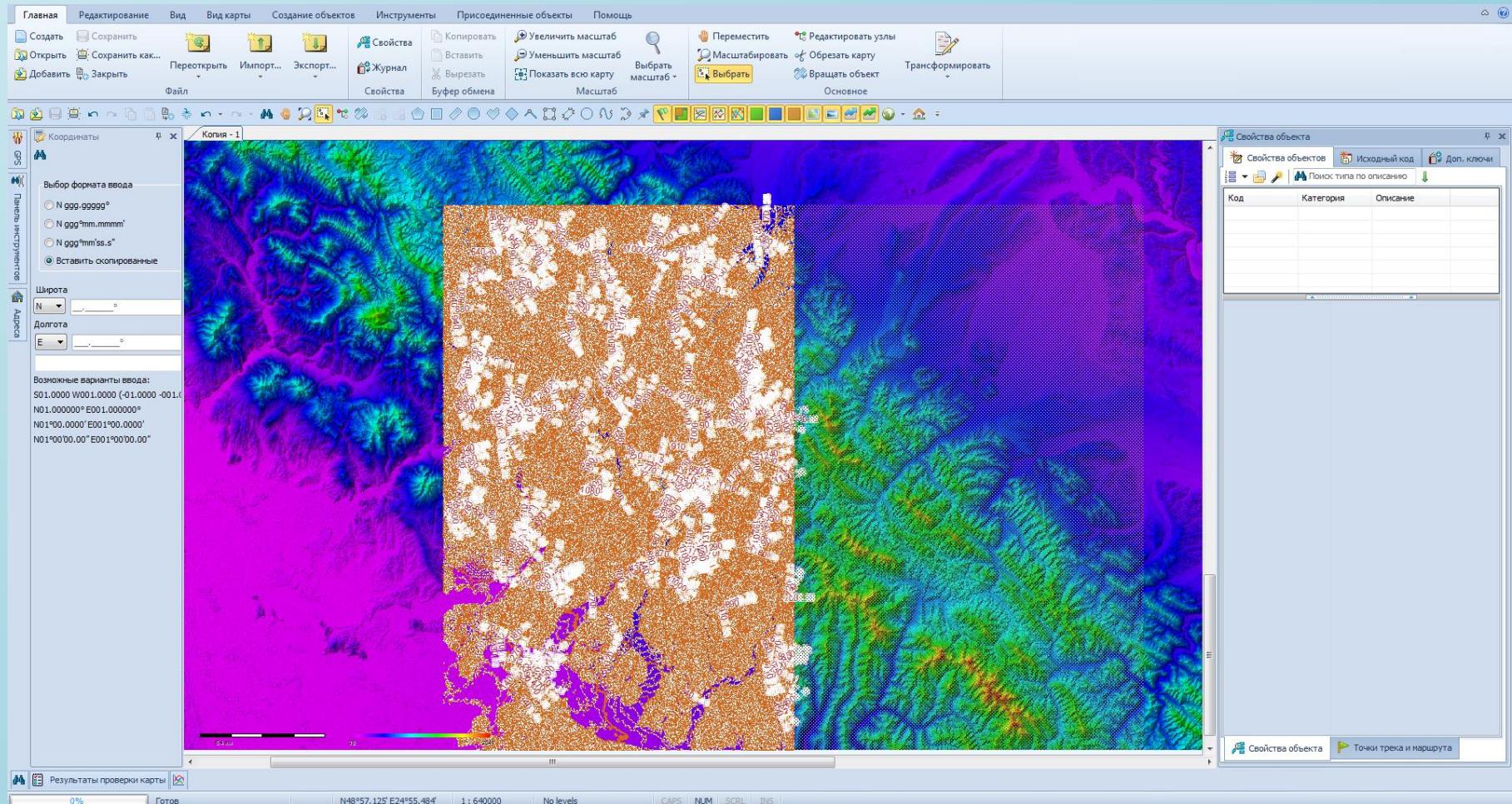
Comparison of vector data with popular On-Line Services and WMS Server
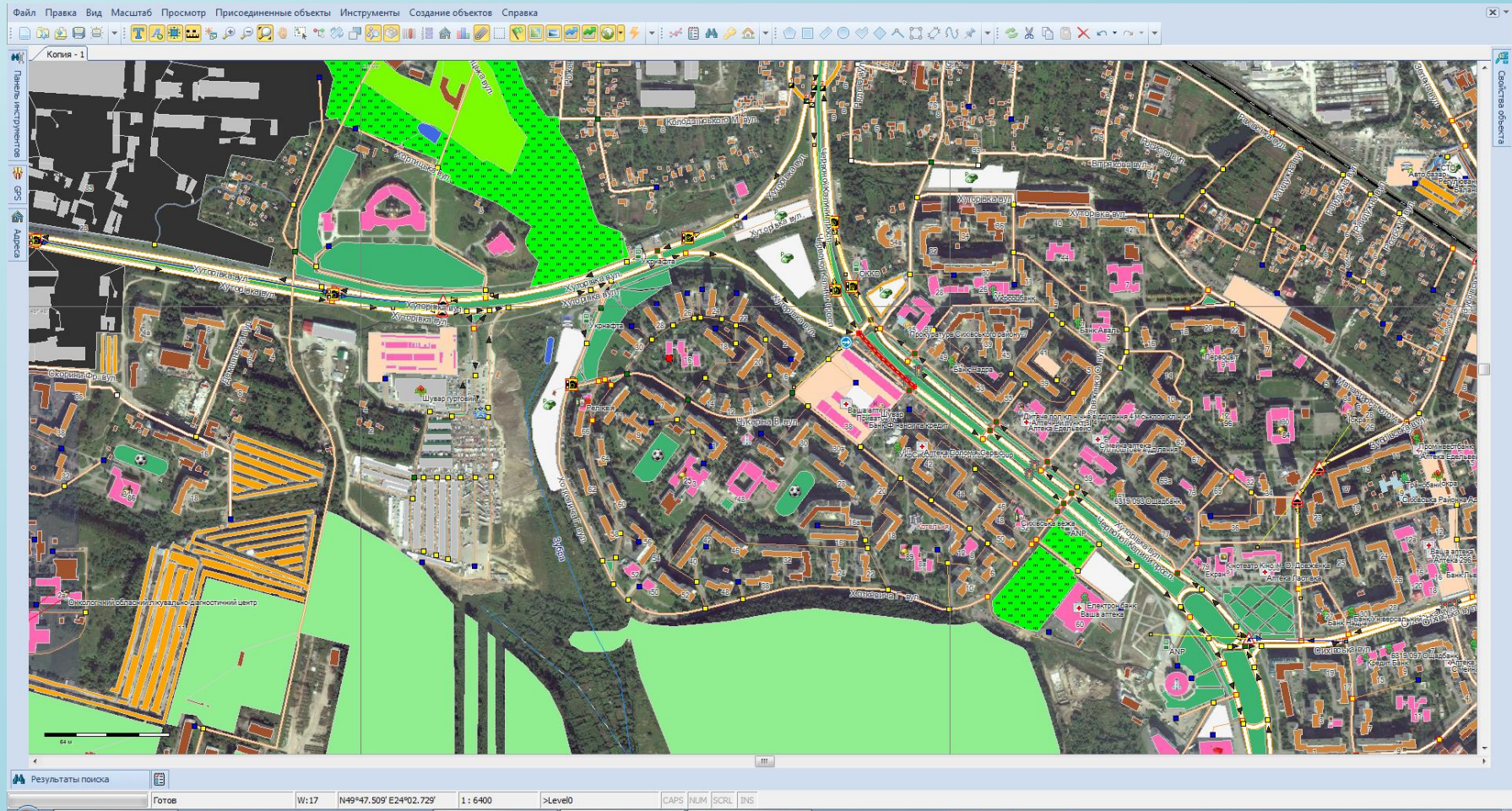
Create maps with routing

- Support for turning restrictions
- Support for restrictions on the time and day of week
- Support for restrictions on the type of vehicle
- Support lanes
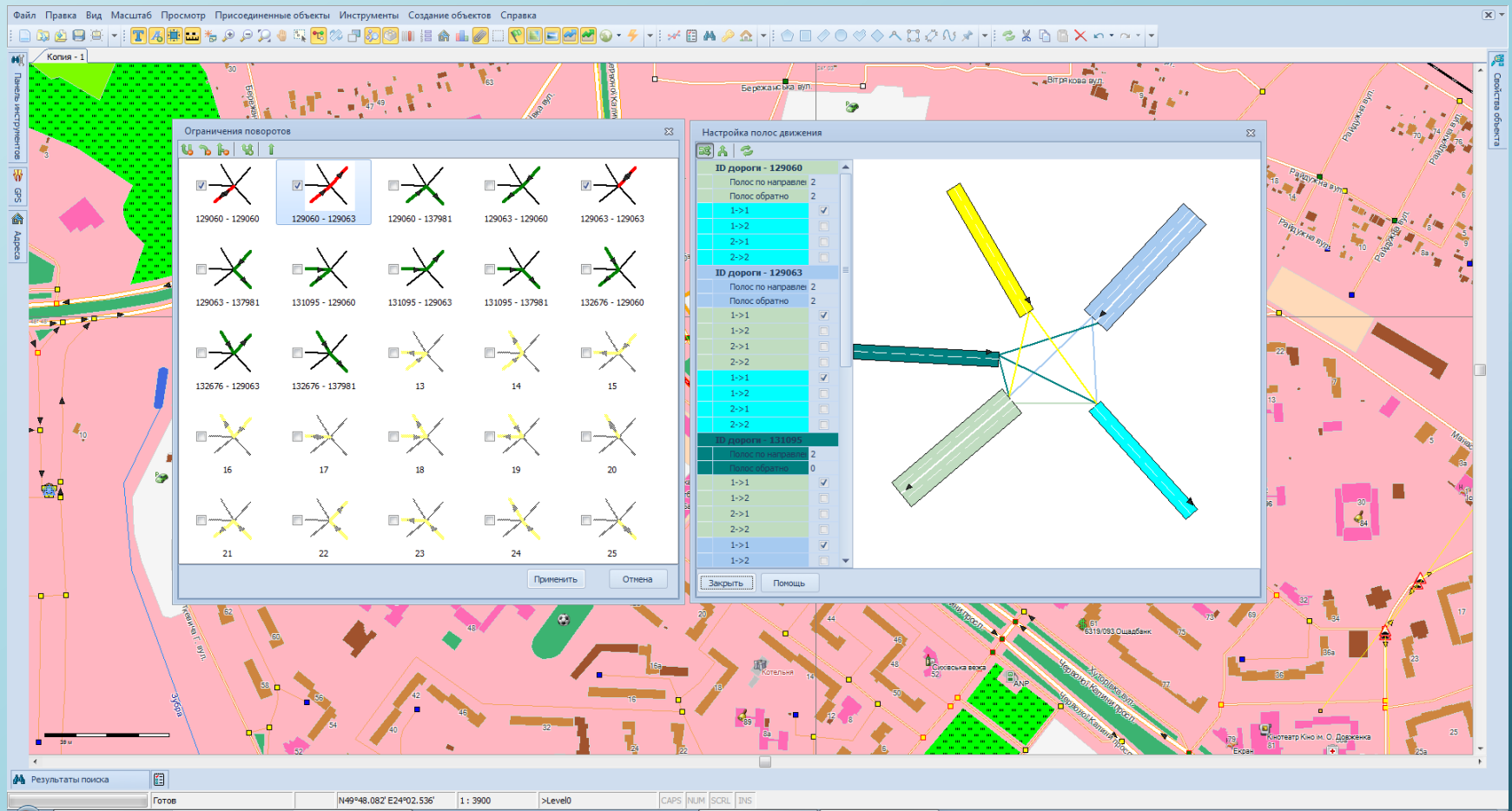
Support for a full set of road signs

- Support the direction of the sign
- Support for the duration of the sign
- Support area of the sign
- Support for speed limit signs
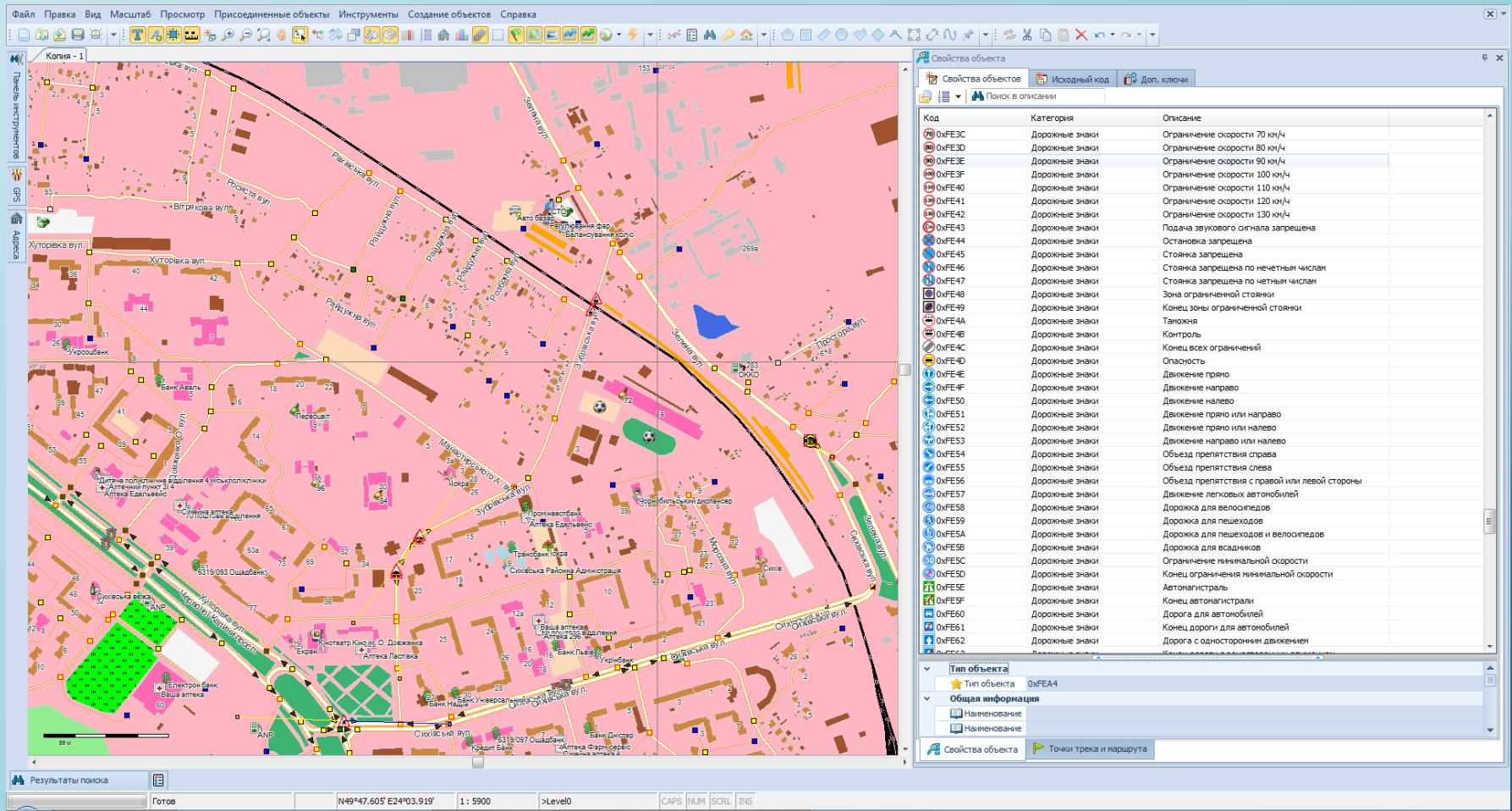
Support for photo realistic road junctions
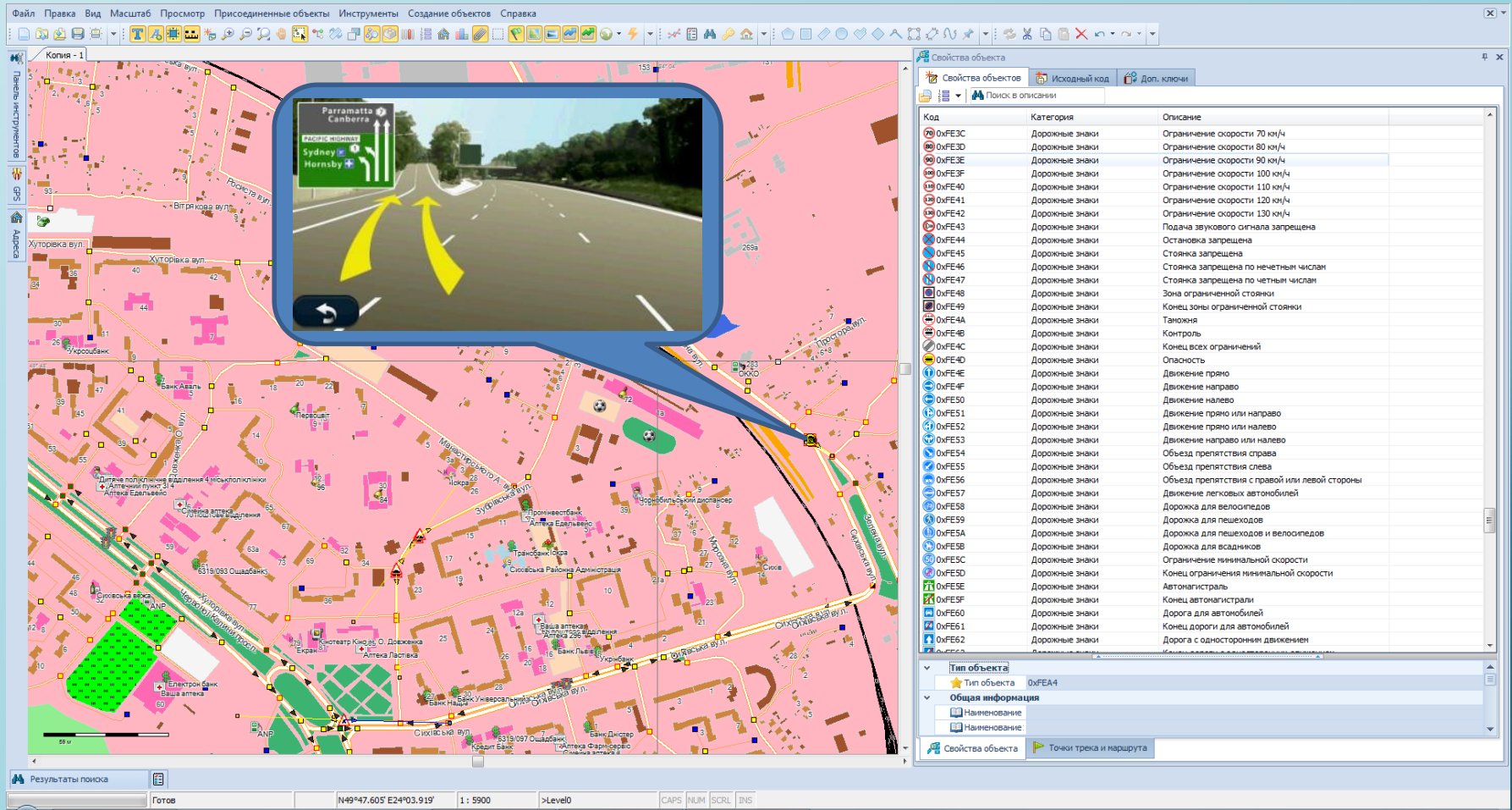
Correction of vector data with data from navigational instruments

Analysis of the data track

The list of tracks attached

Track

Track

Download the tracks for the correction of roads

Creating new objects using data from navigational instruments

Details of the selected user's point

The list of downloaded custom points

Upload custom POI to map

Support formats of popular navigation devices
(Garmin, Alan, Holux …)

The list of associated routes

Analysis of the data path

route

Download routes to analyze

Testing the correctness of the construction of routes directly into the program

Ability to store address information in both range and in the polyline
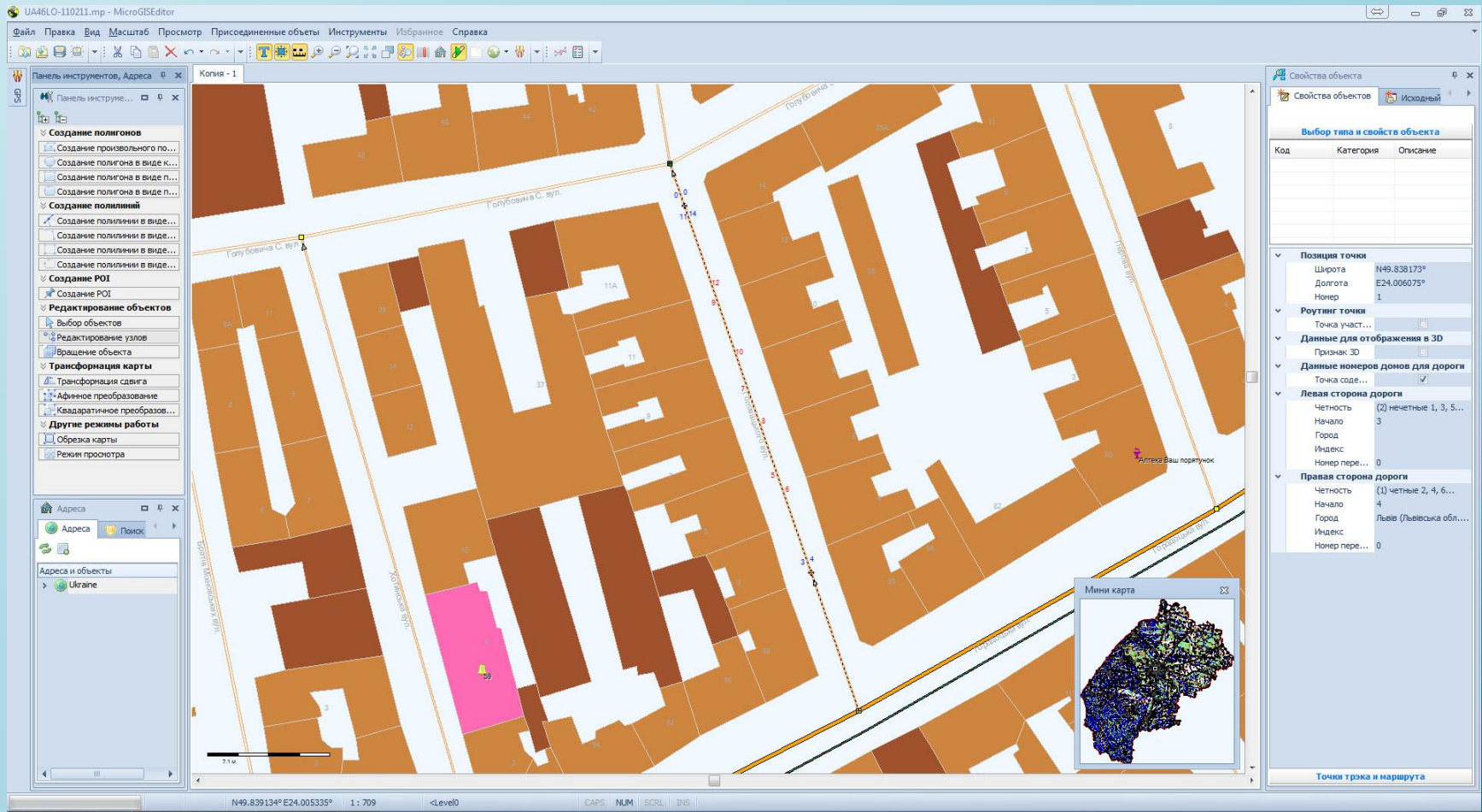
Construction of the entrance points to the object
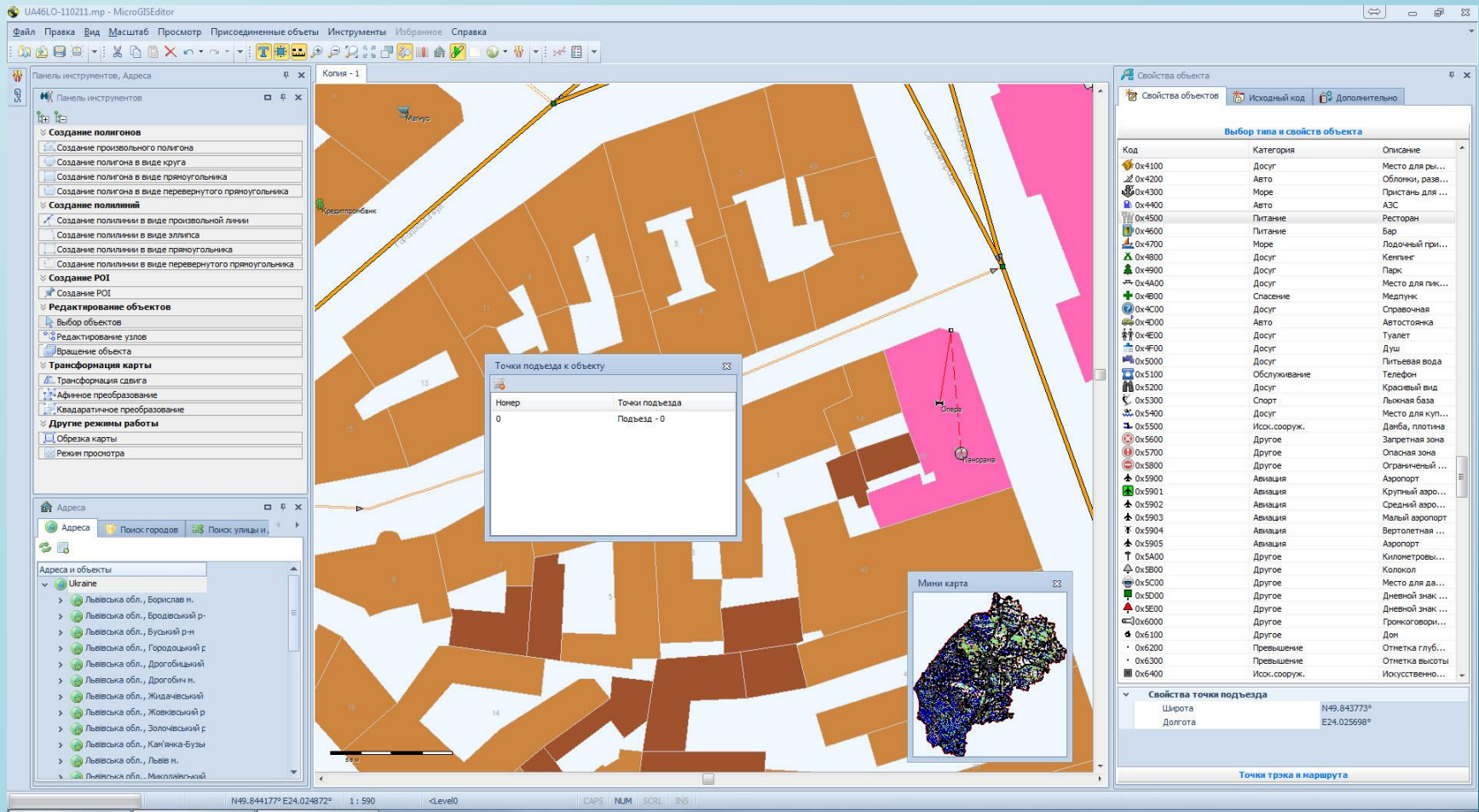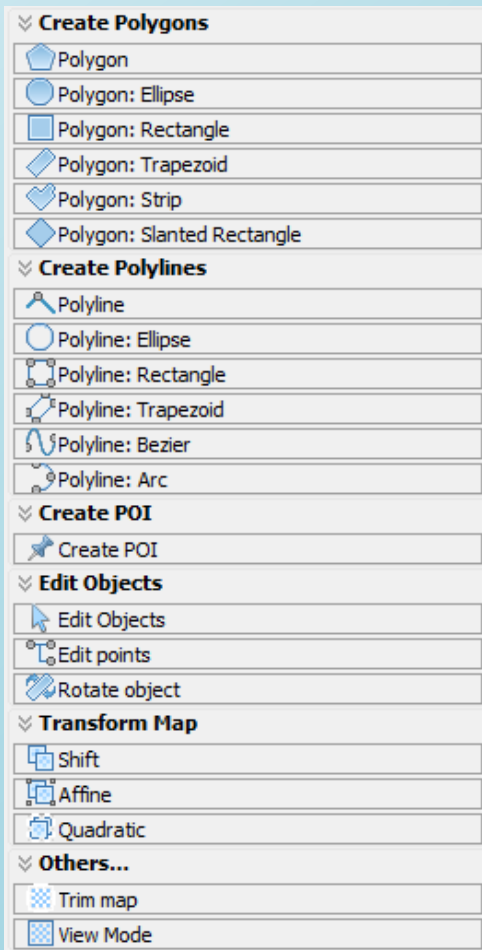
The program MicroGIS Editor - has all the necessary tools for the preparation of maps.

All the tools of the program, for convenience, summarized in one menu.

Additional Tools
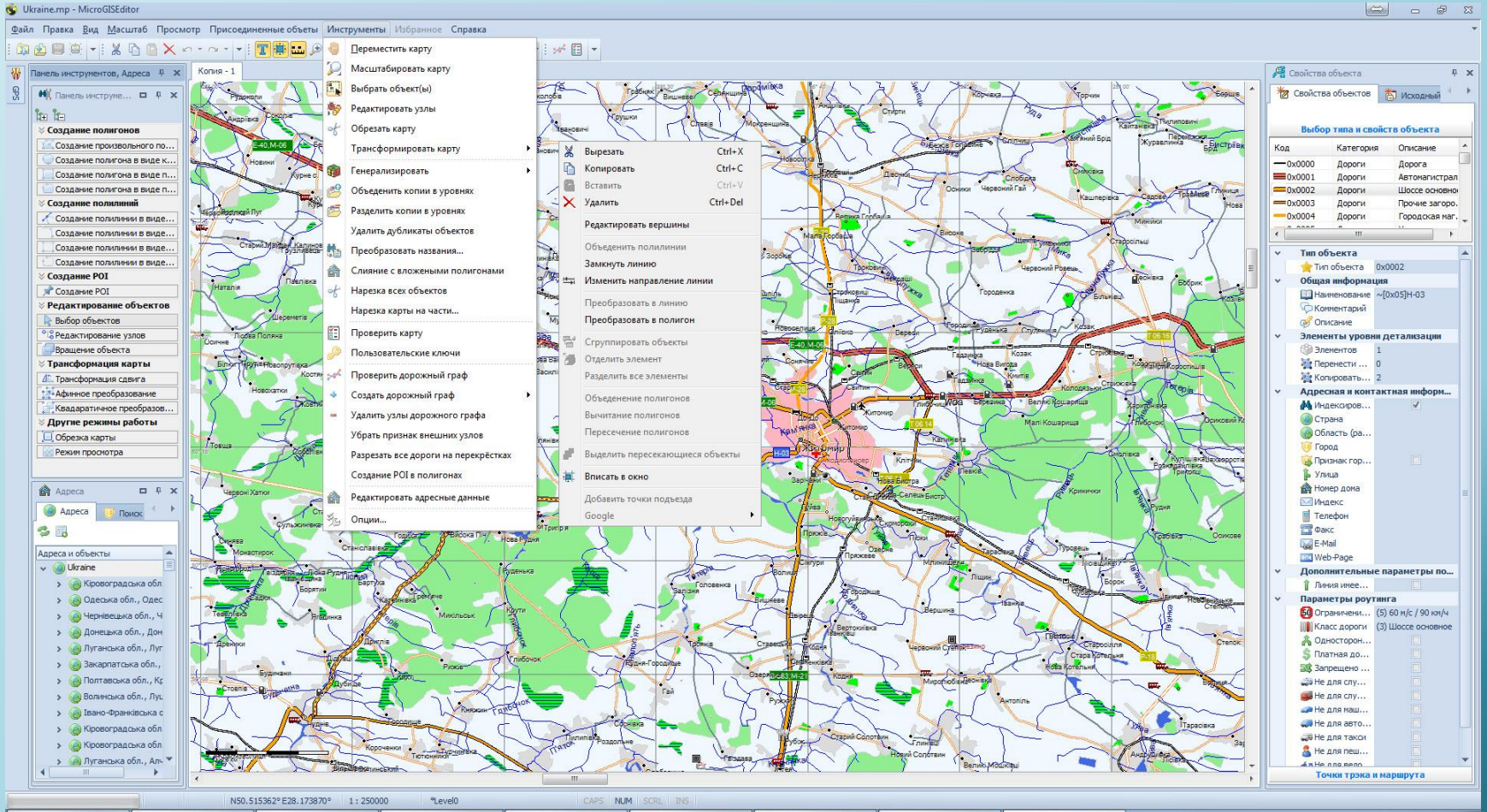
All the tools of the program, for convenience,
summarized in one menu.

Office of the thematic maps layers

When you work with the card is presented to the user the ability to control the thematic layers of the map.

The user can turn off unnecessary information.

And as you can disable each layer separately, and the entire category at once.

It is also possible in a single click to restore the display of all information.
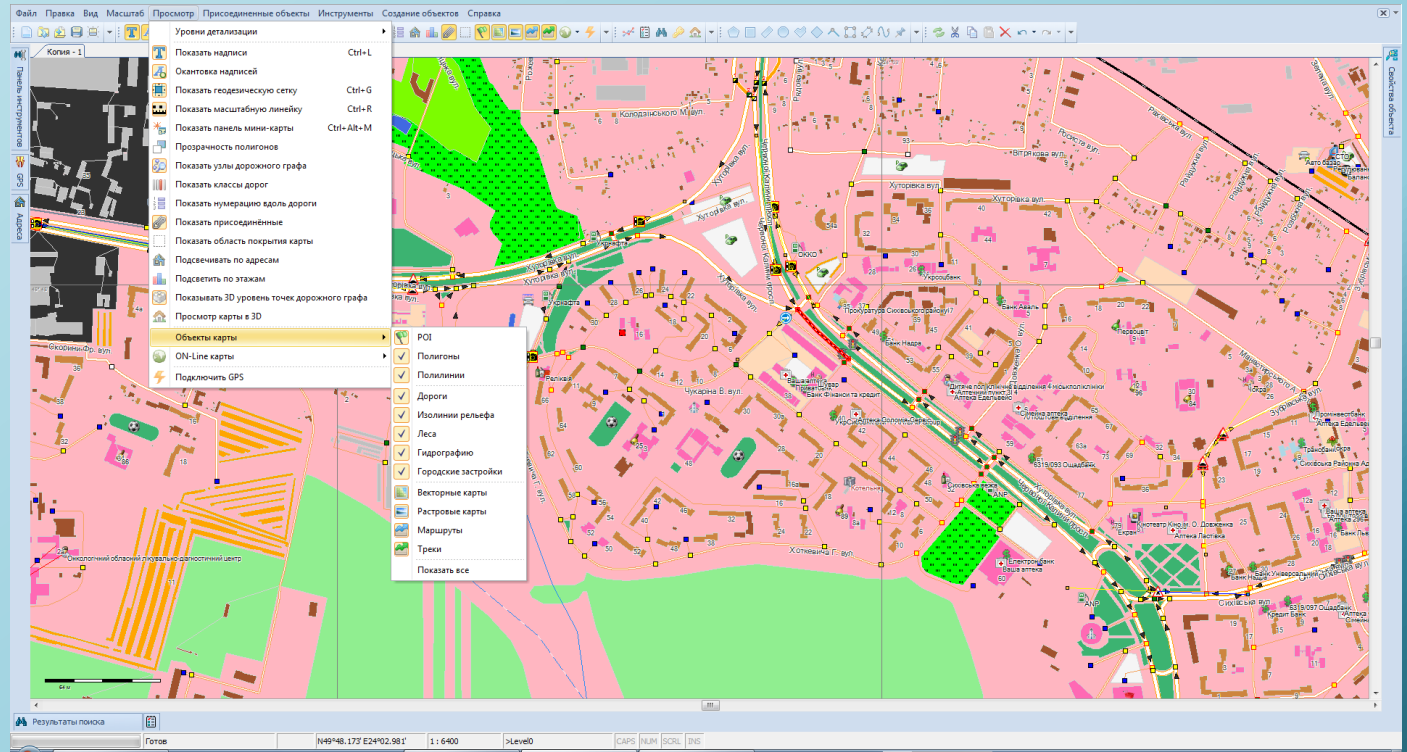
Lock objects on the changes

When working with objects maps, user can lock objects from accidental changes.
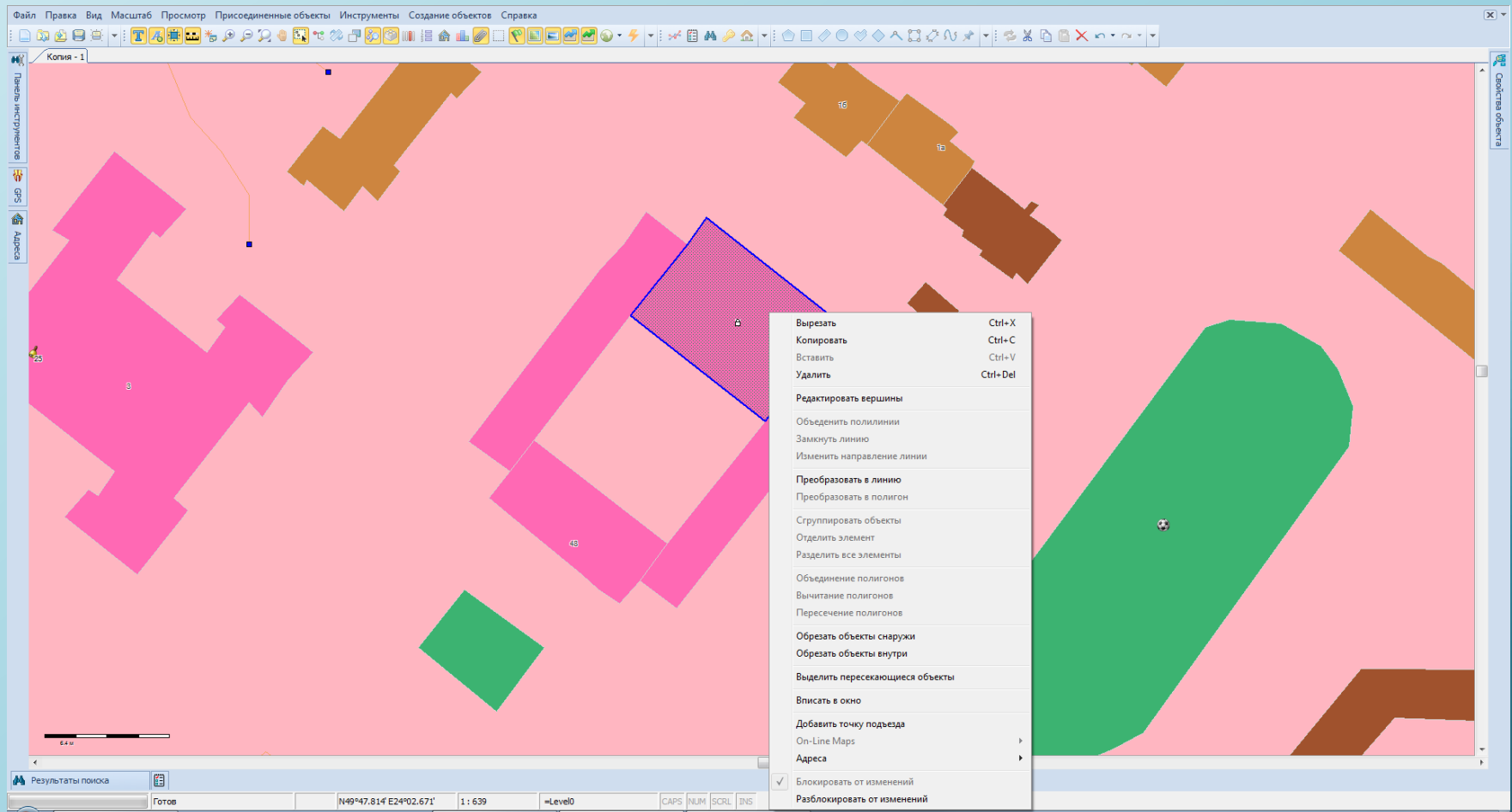
Many tools to work with traffic count
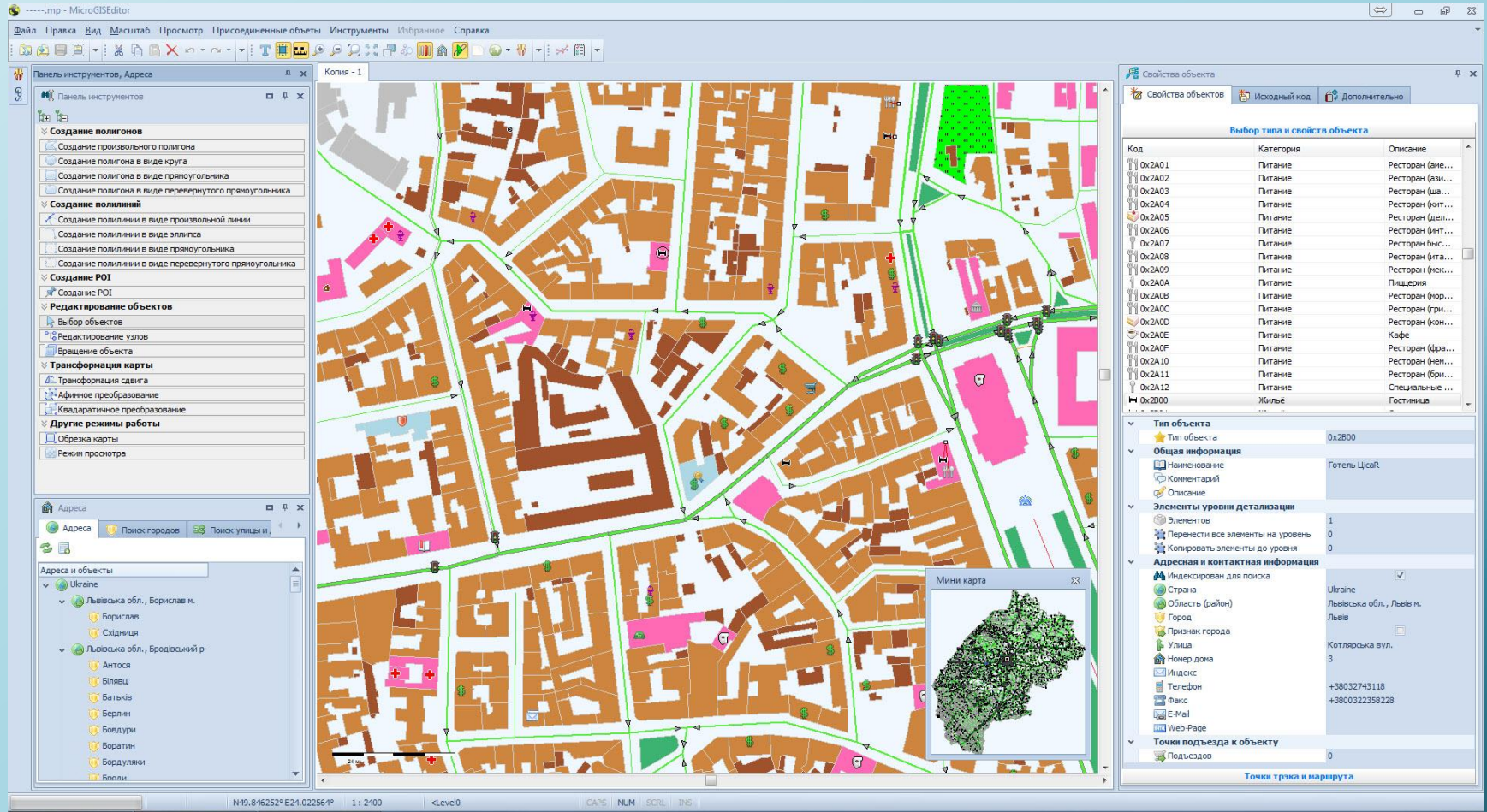
Many tools to work with an address database
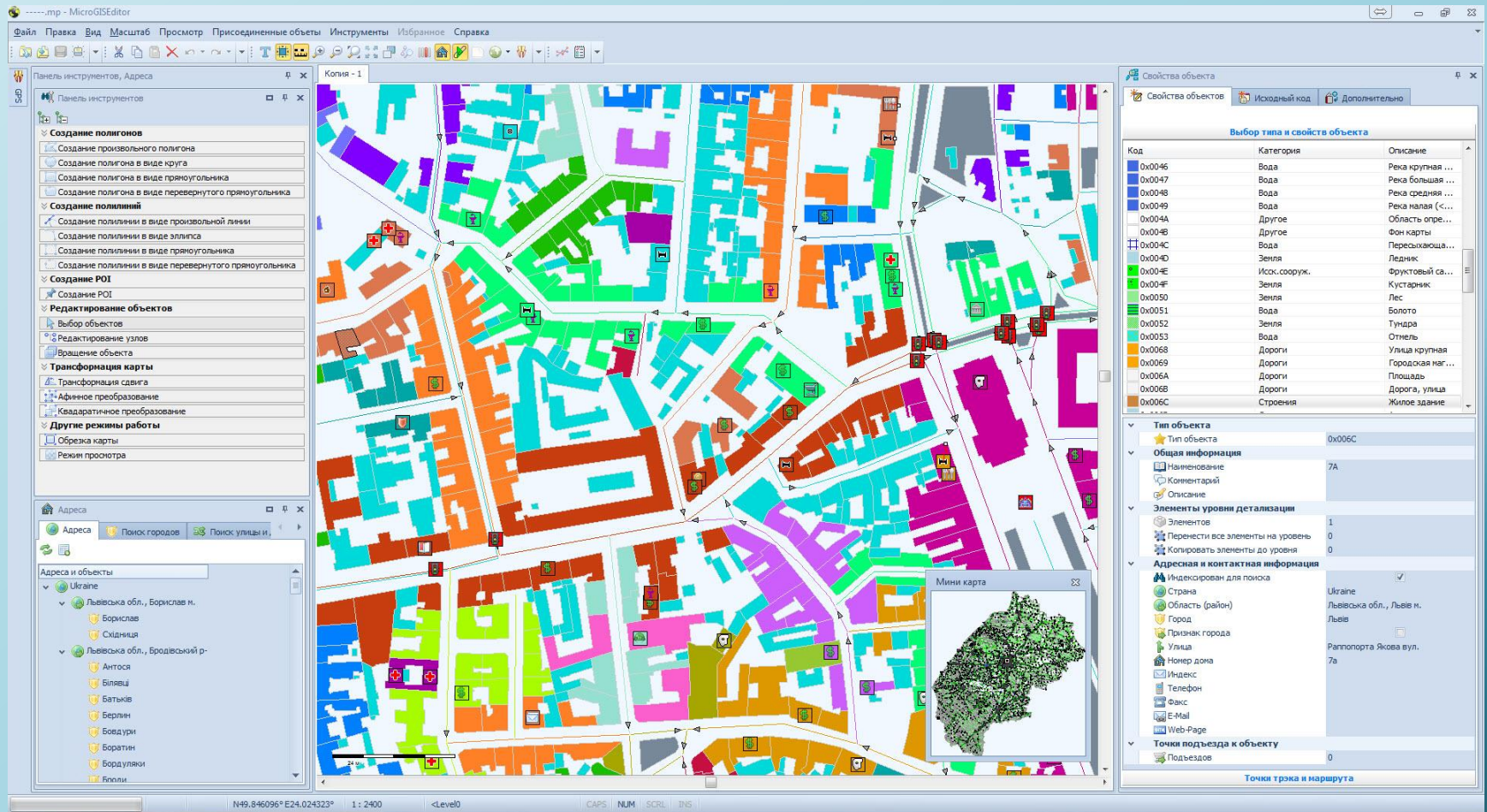
Ability to edit all the attribute information in the table

Ability to enter additional attribute data objects maps

Ability to determine location using the GPS receiver
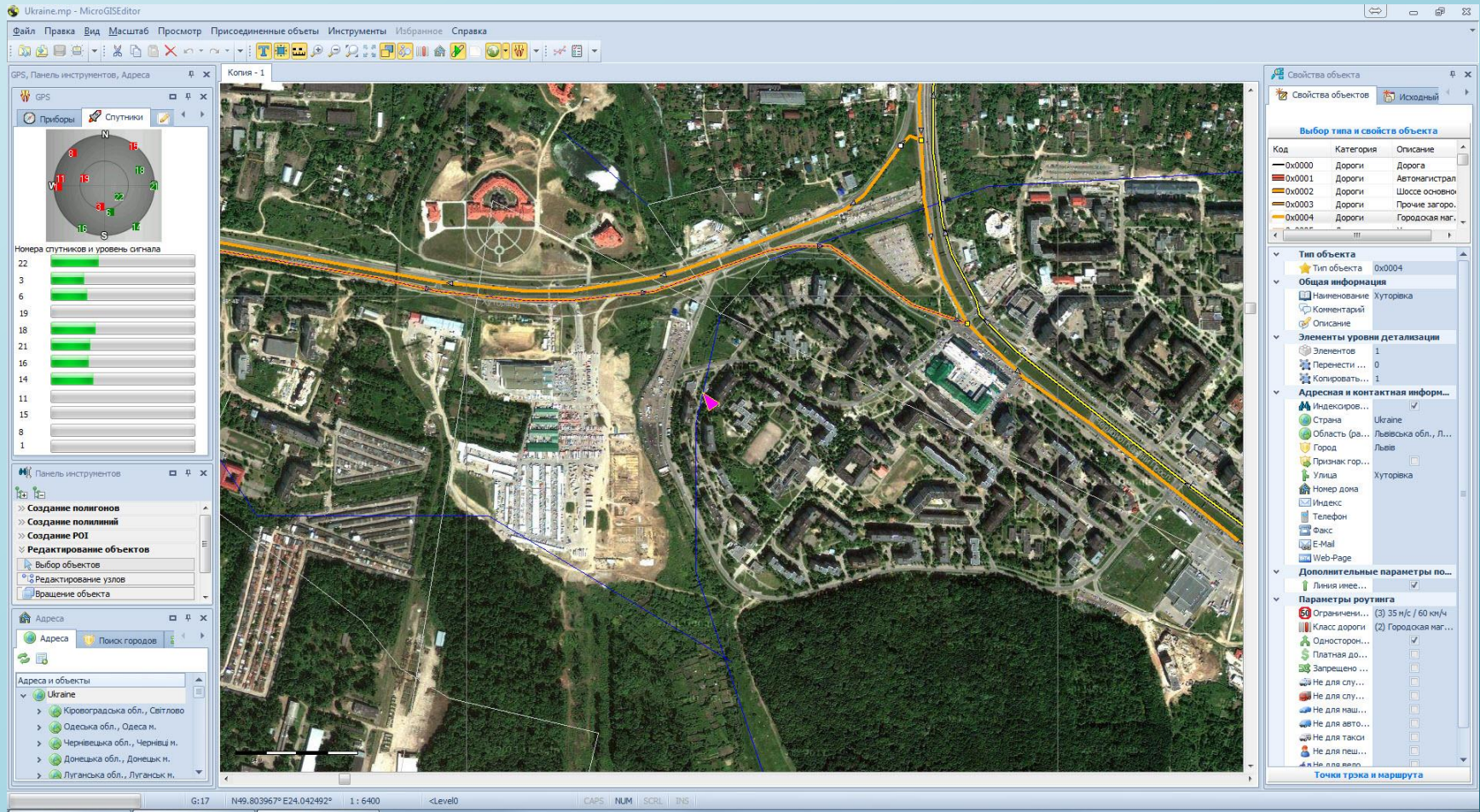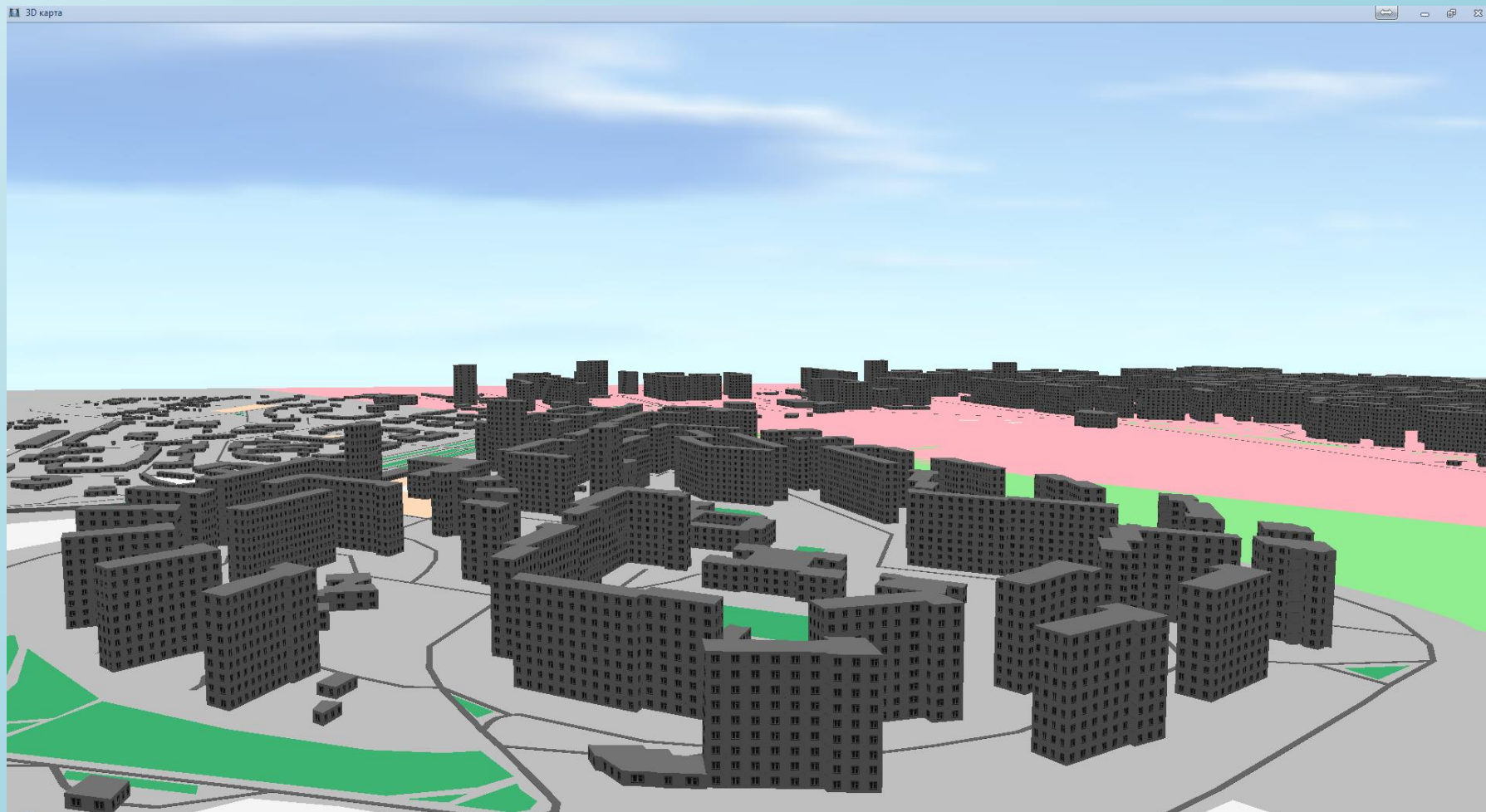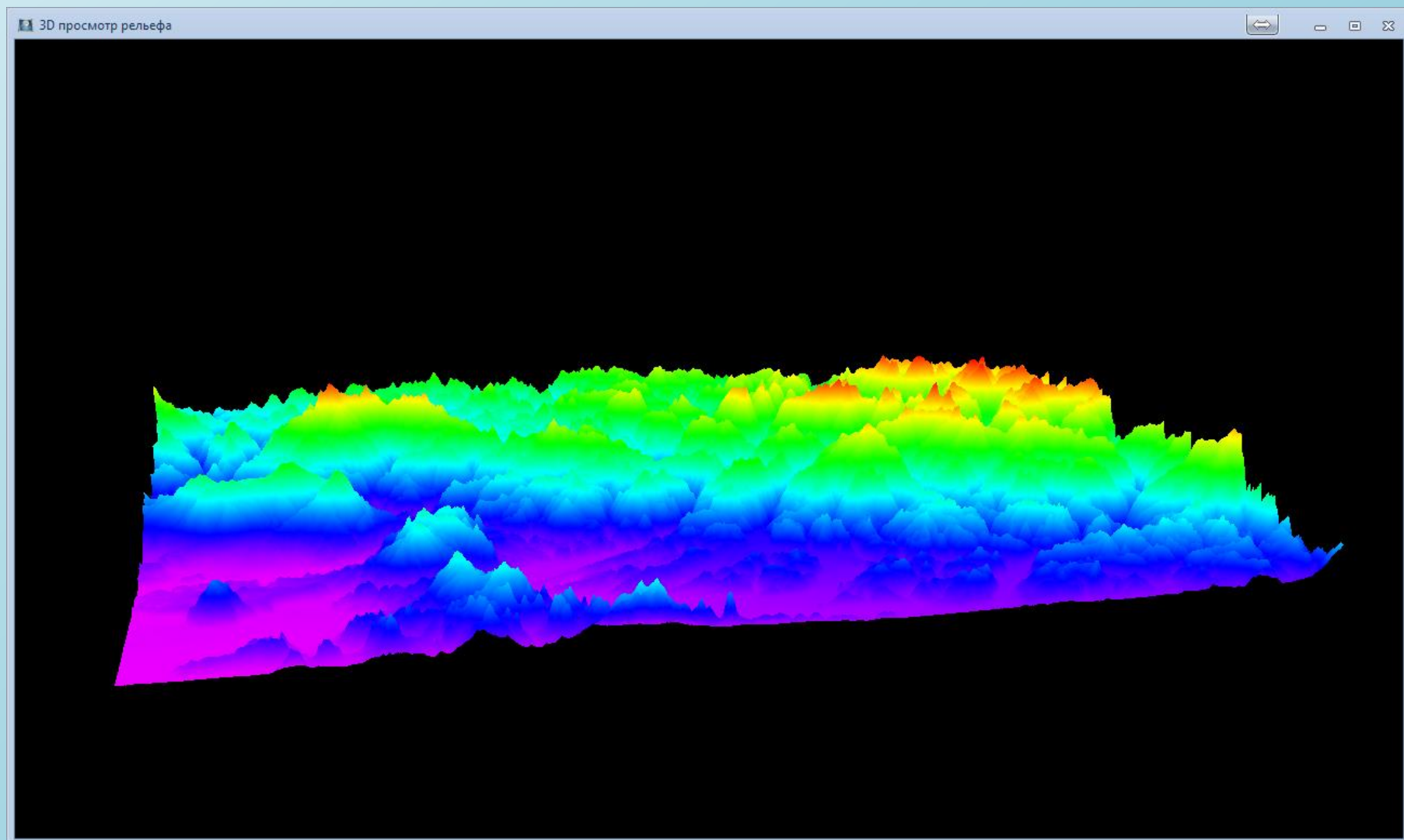
Ability to create additional tabs with a map
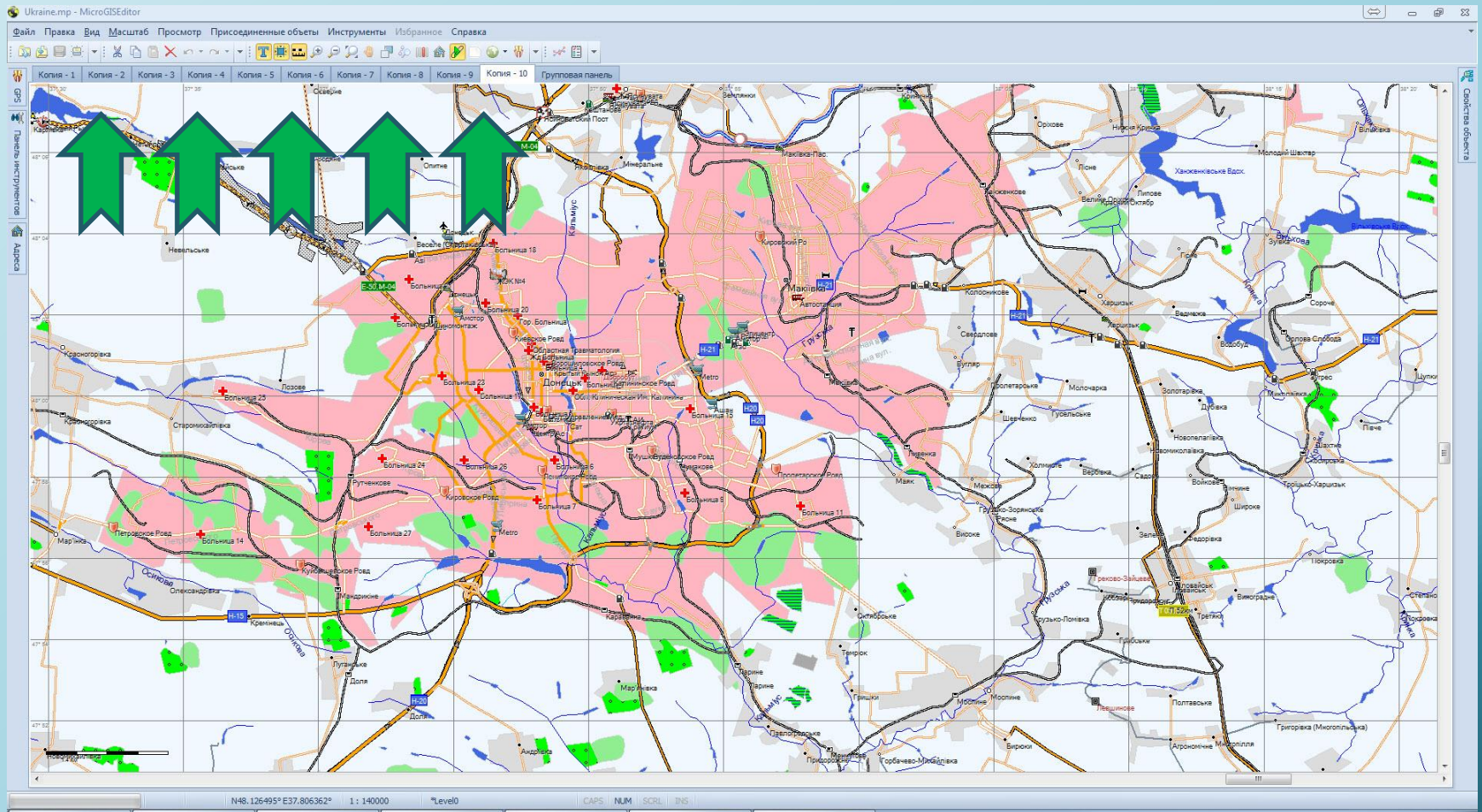
In each tab, you can resize and move the map around.

Preview maps in 3D mode

Previewing the terrain in 3D model

Many maps checks for errors, including road and cut off the graph

The program has a flexible interface
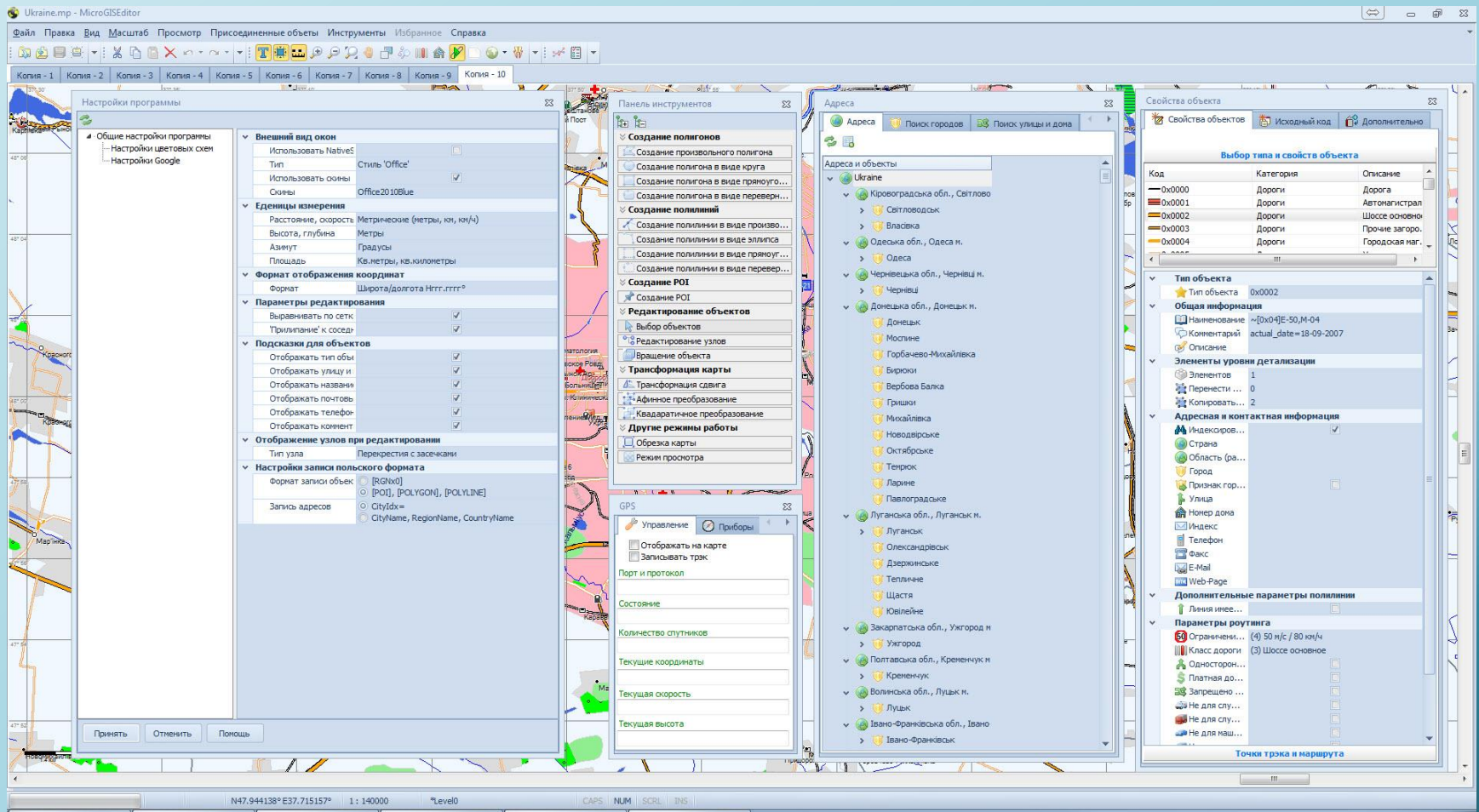
All the tabs and toolbars - are set by the user

www.micro-gis.com

support@micro-gis.com