

# Capabilities - Pathfinder MapEdge™

*Air photos, street vectors and points for every single address in Ottawa and Gatineau in a stand alone software package with zoom, search, measure and optimize capabilities.*

## Data Coverage:

- >300,000 individual address points - updated Jun 15, 2005.
- Street vector data - updated Jun 15, 2005, *including proposed roads*.
- 4,200 square kilometres of air photos, *seamlessly* integrated, (summer 2002).
- East - West Coverage spans 85 KM from Upper Dwyer Hill (West) to Canaan (East).
- North - South Coverage spans 62 KM from Northern Hull to 25 km south of Manotick.

## Display:

- Air photos are presented seamlessly in colour at any zoom factor - *fast*. Resolution is 1 metre.
- Street center lines, street names, street numbers are presented on top of the air photos.
- One way arrows are shown on one way streets.
- *InfoCursor™* provides "*heads up*" display of name, number, postal code, lat/long, at mouse cursor.
- Zoom and pan via "*heads up*" buttons or keyboard buttons
- Overview window shows surrounding area. Can be 2x, 3x, 4x or 5x scale of main window.

## Search:

- By street name (alphabetically or phonetically), by address number, or by intersection.
- By latitude/longitude, or by UTM or MTM easting/northing.
- By name from lists: Ottawa schools (354), Ottawa parks (729), Ottawa arenas (33), Ottawa neighbourhoods (324), golf courses (44), major malls (20) and more.
- Star (\*) search. Search for streets containing a word: e.g. \*oak
- Limit the street list to "*only Ottawa*", "*only Gatineau*".
- Find nearest schools, parks, arenas, etc., using the "*sort by distance*" checkbox.
- Clicking on a street segment highlights AND counts address points on that segment.
- All lookups are automatically added to a *Lookup History* layer for later analysis.

## Measurement and Conversion:

- Measure lengths manually with the distance measure tool or have MapEdge™ calculate the fastest or shortest path between two locations.
- Measurement units: inches, feet, yards, miles, centimetres, metres, kilometres, acres\*, hectares\*.
- Convert coordinates between MTM, UTM and Latitude/Longitude.

## Optimize and Analyze: (MapEdge™ Analyst\* Only)

- Optimize trips with up to 10 destinations.
- Count addresses, street segments and measure areas within user digitized polygons or radii.
- Copy high resolution air photo mosaics to other applications.
- Determine what streets, and how many addresses are within a traveling time or distance from any given location, using the Response Zone Calculator.
- Edit "spaghetti" and export coordinates to text files for sharing with GIS and CAD systems.
- Export list of address in a polygon or radius to a comma delimited text file.

Requires: 4 GB disk space and >= 700 MHz Intel or AMD type processor.

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