

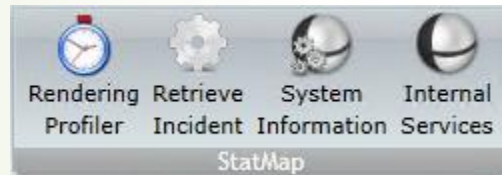


# Earthlight 2014 and a bit

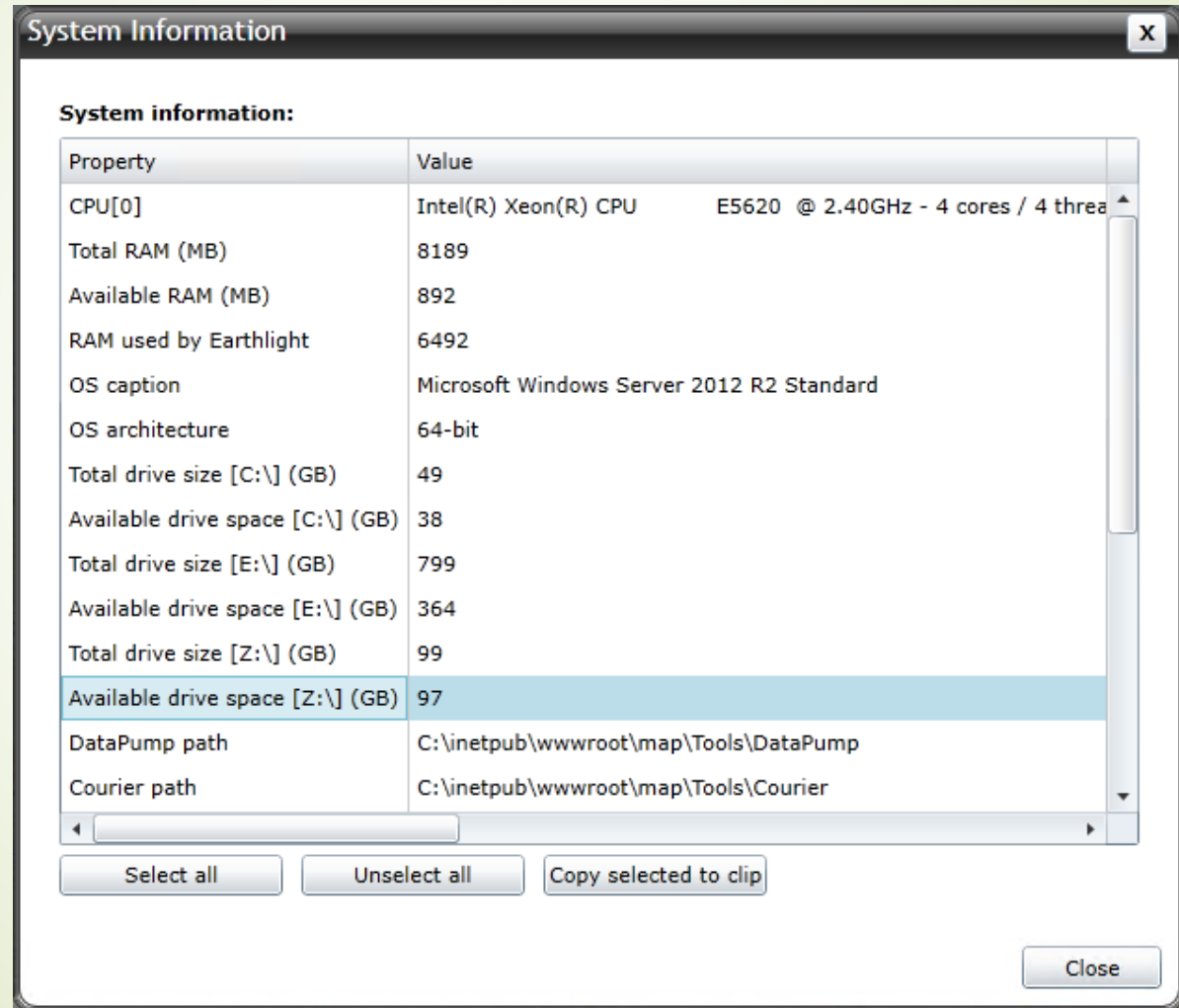
Presented by  
Marcin Goralski  
General Manager at StatMap Ltd

# System Information

- Provides access to vital information relating to Earthlight application and server condition.
- Location: Administration tab / StatMap section



# System Information

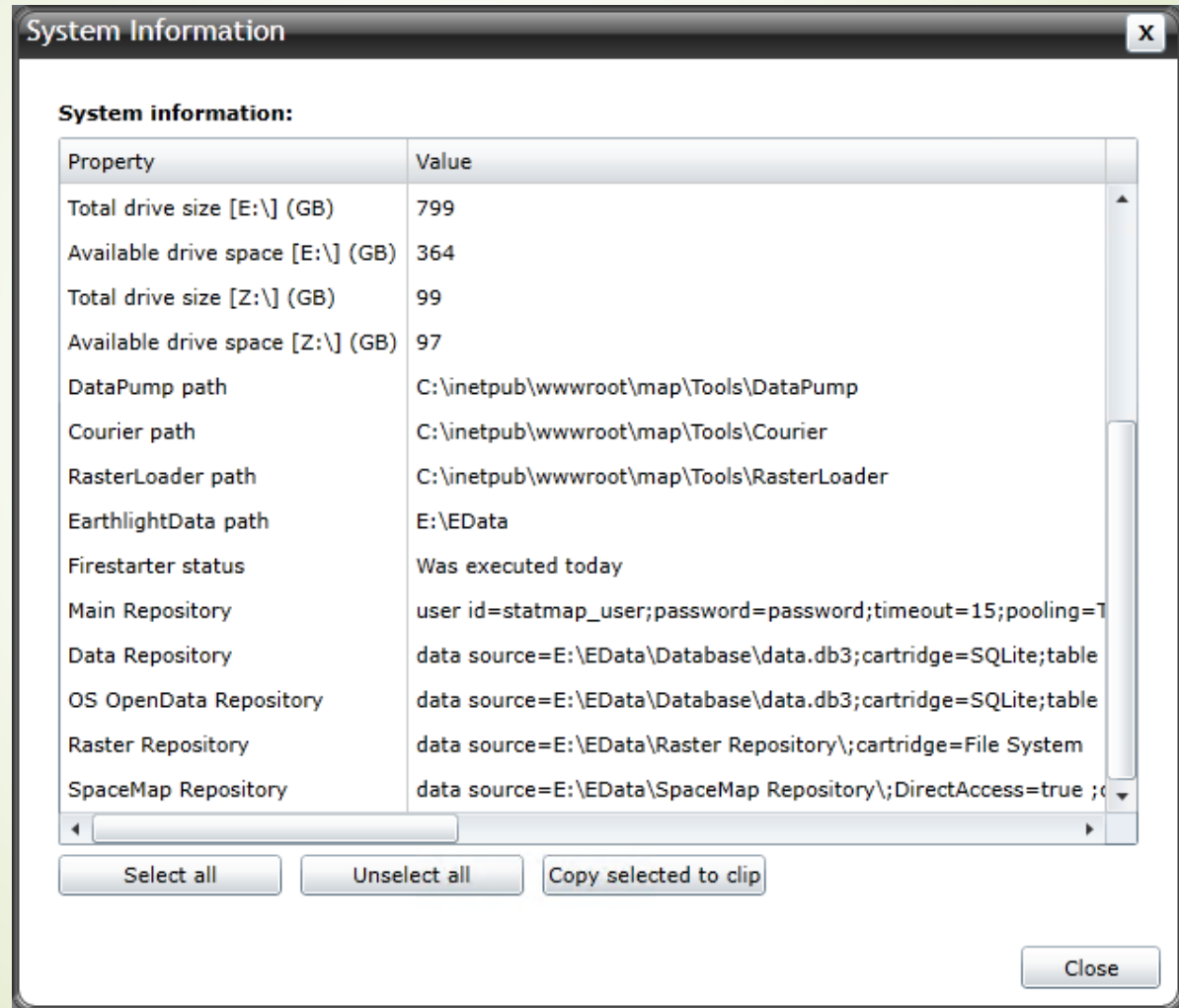


The screenshot shows the 'System Information' window with the following data:

Property	Value
CPU[0]	Intel(R) Xeon(R) CPU E5620 @ 2.40GHz - 4 cores / 4 threads
Total RAM (MB)	8189
Available RAM (MB)	892
RAM used by Earthlight	6492
OS caption	Microsoft Windows Server 2012 R2 Standard
OS architecture	64-bit
Total drive size [C:\] (GB)	49
Available drive space [C:\] (GB)	38
Total drive size [E:\] (GB)	799
Available drive space [E:\] (GB)	364
Total drive size [Z:\] (GB)	99
Available drive space [Z:\] (GB)	97
DataPump path	C:\inetpub\wwwroot\map\Tools\DataPump
Courier path	C:\inetpub\wwwroot\map\Tools\Courier

Buttons at the bottom: Select all, Unselect all, Copy selected to clip, Close.

# System Information



The screenshot shows a 'System Information' dialog box with a table of properties and values. The table has two columns: 'Property' and 'Value'. Below the table are three buttons: 'Select all', 'Unselect all', and 'Copy selected to clip'. A 'Close' button is located at the bottom right of the dialog.

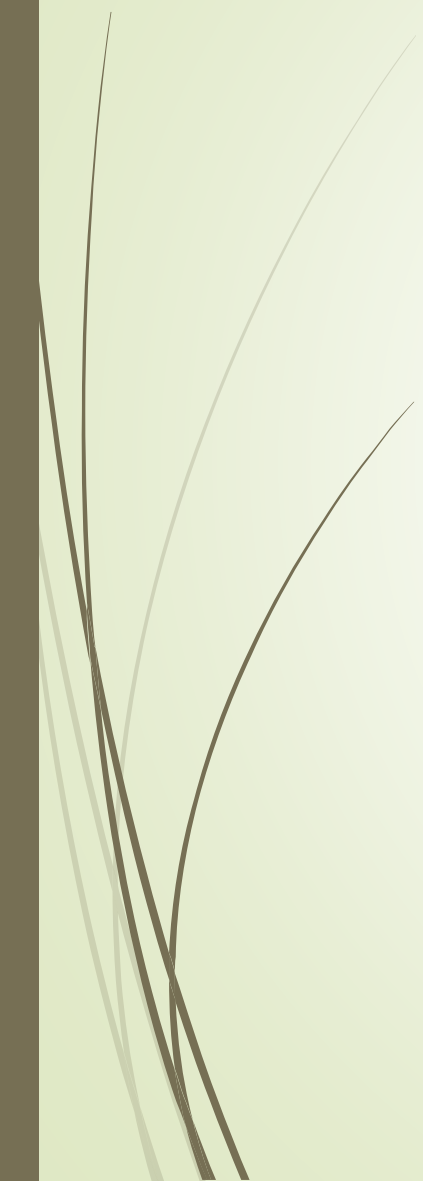
Property	Value
Total drive size [E:\] (GB)	799
Available drive space [E:\] (GB)	364
Total drive size [Z:\] (GB)	99
Available drive space [Z:\] (GB)	97
DataPump path	C:\inetpub\wwwroot\map\Tools\DataPump
Courier path	C:\inetpub\wwwroot\map\Tools\Courier
RasterLoader path	C:\inetpub\wwwroot\map\Tools\RasterLoader
EarthlightData path	E:\EData
Firestarter status	Was executed today
Main Repository	user id=statmap_user;password=password;timeout=15;pooling=T
Data Repository	data source=E:\EData\Database\data.db3;cartridge=SQLite;table
OS OpenData Repository	data source=E:\EData\Database\data.db3;cartridge=SQLite;table
Raster Repository	data source=E:\EData\Raster Repository\;cartridge=File System
SpaceMap Repository	data source=E:\EData\SpaceMap Repository\;DirectAccess=true ;c

Select all    Unselect all    Copy selected to clip

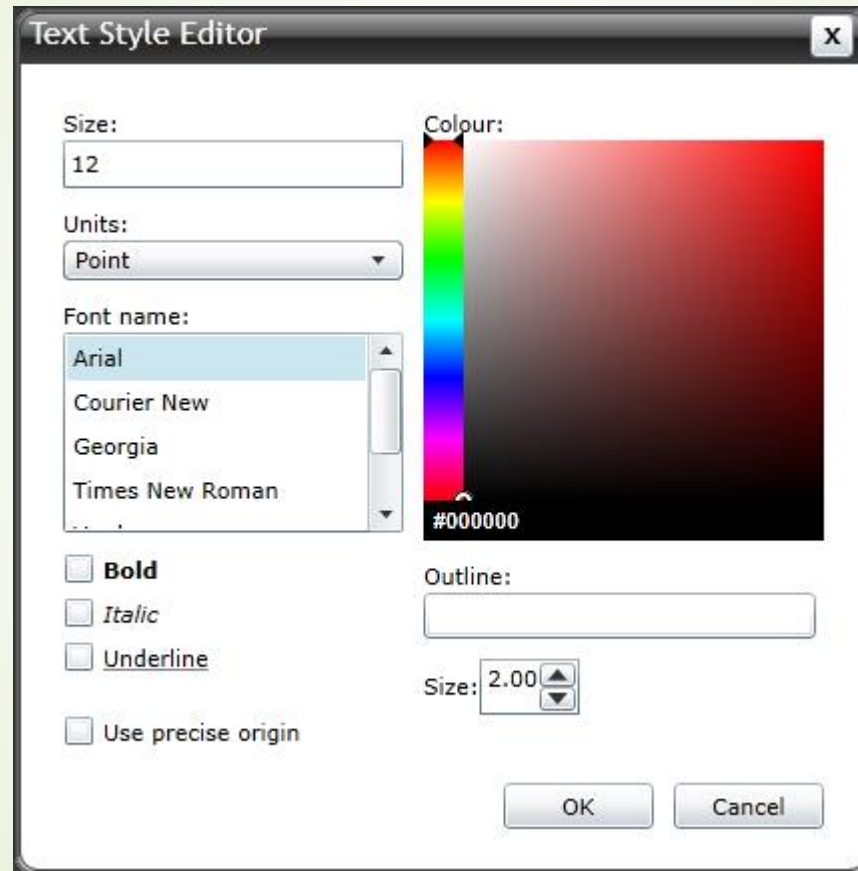
Close



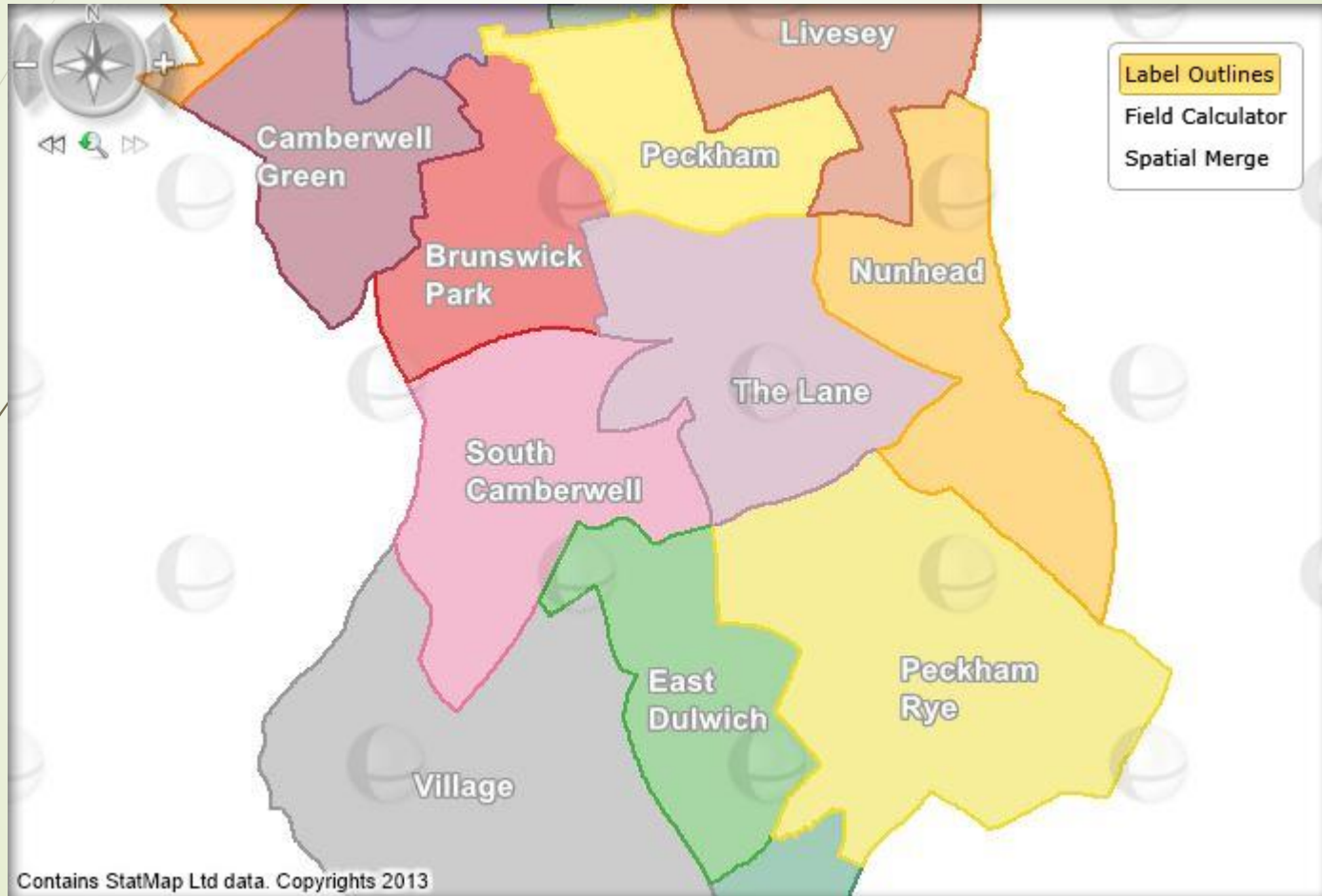
# Text outline

- ▶ Allows rendering of record labels with halo on the map view and in prints.
  - ▶ Location: Layer properties / Labels tab / Font configuration
- 

# Text outline



# Text outline



# Inset Maps in docx templates

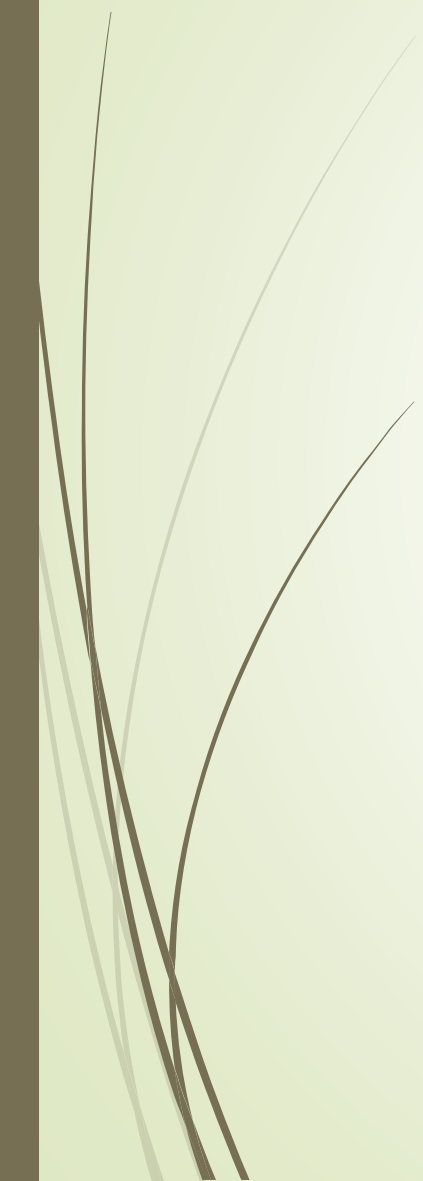
- New placement allows inserting second map window into docx print templates.







# SMPyramid support for height data

- Increases precision.
  - Eliminates alignment issues.
- 



# ASCII Grid support

- ▶ Native ASCII Grid support added to Raster Loader.
- 

# Find Nearest result limit increased to 50

Find Nearest

Query Results

Distance	UPRN	USRN	SAO_START_NUMBER	SAO_START_SUFFIX	SAO_END_NUMBER	SAO_END_SUFFIX	SAO_SUFFIX
11,644.95 m	202004143	20202523	11	A	12	A	
11,657.66 m	202005528	20202804					
11,657.66 m	202005543	20202804					
11,685.18 m	202003188	20202523					Fru
11,793.40 m	202004478	20200076					
11,819.29 m	202001551	20200076					
11,819.29 m	202001553	20200076					
11,819.29 m	202001552	20200076					
11,907.78 m	202005121	20202035					
11,923.96 m	202001632	20202084					
12,043.72 m	202003696	20201848					FLA

Distance units: metres

Drill Down Through Layers Inspect Record Inspect All Records

More than 50 records found. Close



# ITN Urban Paths support

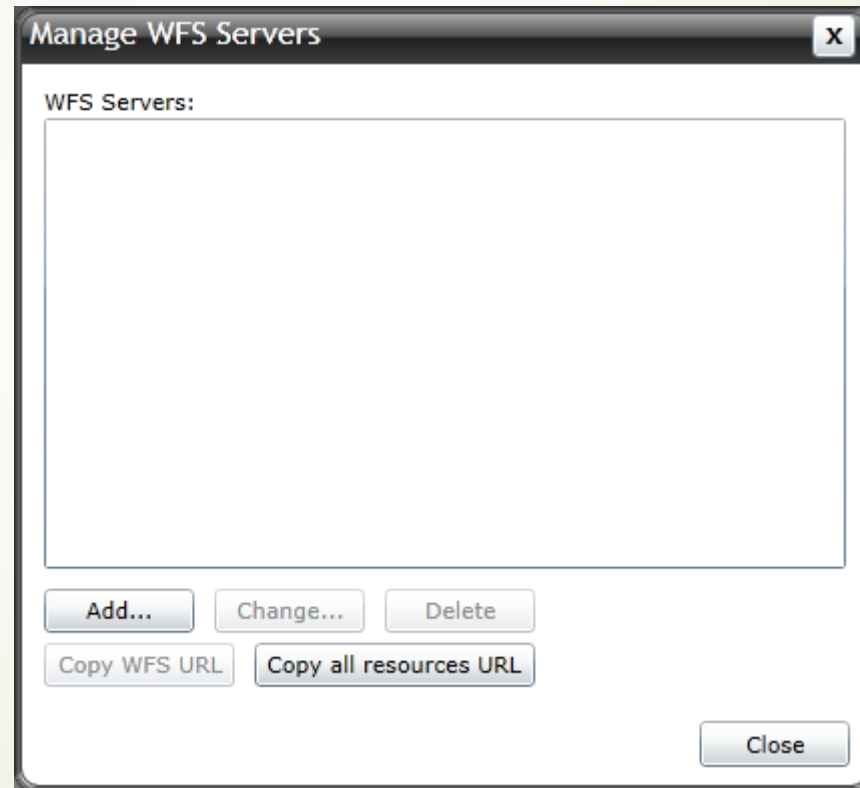
- ▶ ITN is split into three themes:
  - ▶ The Road Network theme represents all navigable roads across Great Britain, from motorways to alleyways. It also provides Department for Transport (DfT) road classifications, including trunk roads and primary routes, as well as named and unnamed minor roads and streets.
  - ▶ Road Routing Information (RRI) extends ITN's functionality with features that can affect a driver's choice of route (see the next section, Optional routing information).
  - ▶ Urban Paths, like the Road Network theme, provides detailed network geometry – in this case for man-made paths. Urban Paths is currently limited to urban areas larger than 5 km<sup>2</sup> and is updated on an 18-month cycle.



# Web Feature Service (WFS) host

- ▶ Full OGC compliance due to utilising GeoServer as the host.
- ▶ Requires additional virtual server with Java and GeoServer installations.
- ▶ Communications channels must be open
  - ▶ between Earthlight and GeoServer for WFS server configuration, and
  - ▶ between GeoServer and spatial database for data hosting.

# Web Feature Service (WFS) host



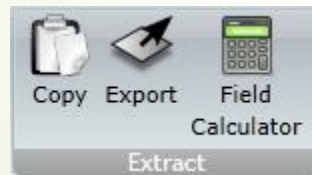


# New incarnation of StatMap Comet

- More portable.
- Easier to install and maintain.
- Support automatic two-way synchronisation.

# Field Calculator

- Allows changing specific table column in bulk.
- The tool uses JavaScript scripting language to calculate the result of an expression.
- Location: Table tab / Extract section





# Field Calculator

Field Calculator

Replace a value of field:  
Calculated\_Field

with: [Clear](#)  
r.wattage\* r.nolamps

Operators:  
< > == <> <= >= && || ! ()

Fields:  
OBJECTID\_  
ROAD\_STREE  
LOCATION  
LAMPSTYPE  
LANTERNTYP  
WATTAGE  
NOLAMPS  
CONDITION  
REFERENCE

Top 500 unique values:

Add Get Unique Values Add

Verify OK Cancel