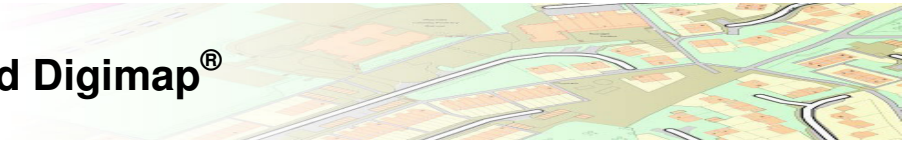


OS MasterMap® and Digimap®



Comparison of MasterMap files sizes versus Land-Line.Plus

The following table shows the comparative file sizes between OS MasterMap data in various formats against the equivalent Land-Line data:

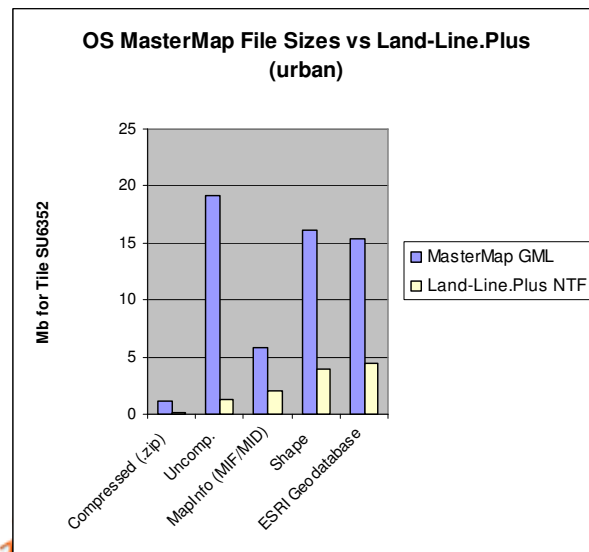
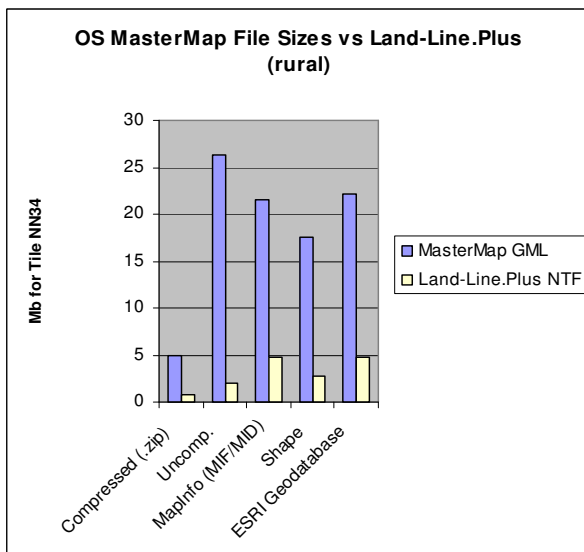
Source Data	Compressed (.zip)	Uncomp	MapInfo (MIF/MID)	Shape 1	Shape 2	ESRI Geodatabase
Tile NN34 4						
OS MasterMap GML 3	5Mb	26.3Mb	21.5Mb	6.8Mb	17.5Mb	22.1Mb
Land-Line.Plus NTF	0.7Mb	2Mb	4.8Mb	N/A	2.8Mb	4.8Mb
Tile SU6352 5						
OS MasterMap GML 3	1.1Mb	19.1Mb	5.8Mb	5.6Mb	16.1Mb	15.3Mb
Land-Line.Plus NTF	0.09Mb	1.3Mb	2Mb	N/A	3.9Mb	4.5Mb

Summary of File Sizes

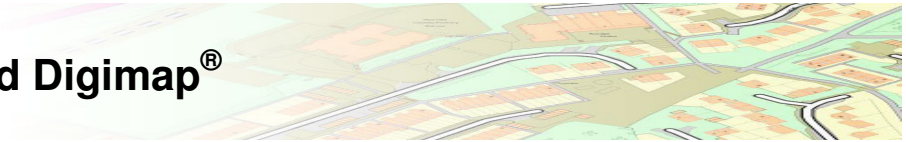
Notes:

- (1) Converted to Shape using MapManager Geodatabase Filter
- (2) Converted to Shape using ArcToolbox Shapefile Export
- (3) The GML data covers a slightly larger area since it is 'hairy' i.e. objects continue outside rectangular tile boundary.
- (4) This is the equivalent of 4 x 1:10,000 tiles plus 2 x 1:2,500 tiles of rural area.
- (5) This is equivalent to 4 x 1:1,250 urban tiles

Typically, it would appear that OS MasterMap is between 3 and 5 times larger than the equivalent Land-Line.Plus data, even when converted to alternative formats. The following diagrams show the above data graphically



OS MasterMap[®] and Digimap[®]



Size vs. Area

The following table gives some indicative sizes for GML data for different areas. It can be seen that the size of a dataset varies enormously depending on what type of area it is. It should also be noted that the amount of compression can vary quite significantly between datasets.

	Urban 5km ²	Rural 5 km ²	Semi-Rural 5km ²
Compressed (gz)	4.5 Mb	0.5 Mb	0.8 Mb
Uncompressed	82.7 Mb	4.8 Mb	11.8 Mb