

## Sample .MAP files

### ***Northampton Co. Roads***

```
NAME rtf100k
EXTENT 407404.0 4101773.0 443331.0 4159444.0
SIZE 400 400
SHAPEPATH "/home/jhp7e/htdocs/northampton/shapefiles/"
LAYER
  NAME "rtf100k"
  DATA rtf100k
  STATUS DEFAULT
  TYPE LINE
  CLASS
    COLOR 255 0 0
  END # end of class object
END # end of layer object
END # end of map file
```

### ***Northampton Co. GIS***

```
NAME northampton # set the map name to anything you like

# Set the extent to match YOUR shapefile(s)
# coordinates are Westernmost Southermost Easternmost Northernmost
EXTENT 407997.812 4103475.750 443135.000 4157027.250
# here is an example for Lat/Lon.
#EXTENT -97.5 41.619778 -82.122902 49.38562

# can leave the font-set alone
FONTSET "/usr/local/etc/htdocs/mapserver/fonts/fonts.list"

# set the size of the Image to be displayed
SIZE 400 300

# Set the SHAPEPATH to point where you have stored your shapefiles
# substitute your user ID for YOUR_ID below.
# SHAPEPATH "/home/evsc468/public_html/YOUR_ID/"
# or point to shapefiles in some other directory
SHAPEPATH "/usr/local/etc/htdocs/northampton/shapefiles/"
```

```

# Set your template file to the name of YOUR template file
# you can leave the image path and image URL alone
WEB
  TEMPLATE
"/usr/local/etc/htdocs/mapserver/northampton/northampton_template.html"
  IMAGEPATH "/usr/local/etc/htdocs/tmp/"
  IMAGEURL "/tmp/"
END

LEGEND
STATUS ON
LABEL
  TYPE TRUETYPE
  FONT arial
  COLOR 0 0 0
  SIZE 10
  ANTIALIAS TRUE
END
END

# you will need to customize the layer definitions for YOUR layers
# remember that the SHAPEFILES for the LAYERS should be stored in the
# directory pointed to by SHAPEPATH above.

# LAYER DEFINITIONS -----
LAYER
  NAME "myoutline"
  DATA outline
  STATUS DEFAULT # Show the layer at all times
  TYPE LINE # choices for type are POLYGON, LINE and POINT
  CLASS
#   NAME outline # if you leave out the name, the class does NOT show up in the legend
  COLOR 0 0 0
  OUTLINECOLOR 0 0 0 # use black lines
  END
END

LAYER #
  NAME "mylandcover"
  DATA nhtm93s3
  STATUS OFF # show layer, but allow it to be turned off
  TYPE POLYGON # choices for type are POLYGON, LINE and POINT

  CLASSITEM "LANDCOVER"
  CLASS # water
  NAME "Water"
  EXPRESSION 'Water' # match only those where [landcover]='Water'

```

```
COLOR 225 225 255
OUTLINECOLOR 0 0 0
END
CLASS # grassland
NAME "Grassland"
EXPRESSION /Planted*/ # search for landcovers starting with Planted
COLOR 0 240 0
OUTLINECOLOR 0 0 0
END
CLASS # forest
NAME "Forest"
EXPRESSION /Forest*/
COLOR 200 140 0
OUTLINECOLOR 0 0 0
END
CLASS # salt marsh
NAME "Salt Marsh"
EXPRESSION /Salt*/
COLOR 0 200 140
OUTLINECOLOR 0 0 0
END
CLASS # sand
NAME "Sand"
EXPRESSION /Bare*/
COLOR 240 240 240
OUTLINECOLOR 0 0 0
END
END # end of layer object

LAYER
NAME "myroads"
DATA rtf100k
STATUS ON
TYPE line
CLASS
NAME Roads
COLOR 200 0 200
OUTLINECOLOR 0 0 0
END # end of class
END # end of layer object

END # end of map file
```

## Map Template file in HTML

```
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML//EN">
<html>
  <head>
    <title>Northampton GIS</title>
    <script>
// The script section contains JAVASCRIPT to help the applications
// functions called from within the mapimage applet that allow us
// to do box zooms and queries
function mapplet_apply(name, minx, miny, maxx, maxy, redraw) {
  document.mapserv.imgbox.value = minx + " " + miny + " " + maxx + " " + maxy;
  document.mapserv.imgxy.value = minx + " " + miny;
}
function mapplet_error(message) {
  alert(message);
}
</script>
</head>

<h3>Northampton GIS<br>
<p>
<!--THIS SECTION SETS THE BASIC DISPLAY CHARACTERISTICS -->
<!--THINGS IN BRACKETS ARE SUPPLIED BY MAPSERVER -->
  <form method="GET" action="/cgi-bin/mapserv">
    <input type="hidden" name="map" value="[map]" >
    <input type="hidden" name="imgext" value="[mapext]" >
      <input type="hidden" name="imgxy" value="199.5 149.5">
      <input type="hidden" name="savequery" value="true">
    <table border=1 cellpadding=3>
      <tr>
        <td align=center>
<!--DISPLAY THE IMAGE (NAME IS AUTOMATICALLY PROVIDED BY [IMG]
-->
          <input type="image" name="img" src="[img]" border="0">
        </td>
      <td valign=top>
<!--THIS SECTION CONTAINS THE CONTROLS FOR WHAT SHOULD BE
DISPLAYED →
        <div align="center"><font size=+1 face=arial,Helvetica>Map Controls</font></div>
        <center>
        <input type=hidden name=mode value="browse">
```

```

<!-- THE TEMPLATE COMPONENT "[LAYERNAME_SELECT]"
REPORTS WHETHER A LAYER WAS PREVIOUSLY SELECTED -->
Select layers to display/query:<br>
<select multiple name="layer">
<option value="mylandcover" [mylandcover_select] > Land Cover</option>
<option value="myroads" [myroads_select] > Roads</option>
</select>
<br>
<!--SET ZOOM OPTIONS -->
Set your zoom option:<br>
<select name="zoom" size="1">
<option value="10" > Zoom in 10 times
<option value="8" > Zoom in 8 times
<option value="4" > Zoom in 4 times
<option value="3" > Zoom in 3 times
<option value="2" > Zoom in 2 times
<option value="1" selected > Recenter Map
<option value="-2" > Zoom out 2 times
<option value="-3" > Zoom out 3 times
<option value="-4" > Zoom out 4 times
<option value="-8" > Zoom out 8 times
<option value="-10"> Zoom out 10 times
</select>
<br>
<br>
<input type="submit" name="submit" value="Redraw/Query">
</center>
<hr>
<!--[LEGEND] AUTOMATICALLY GIVES THE NAME OF THE LEGEND FILE -->
  <p align="center"><font face=arial,Helvetica><b>Legend</b></font><br>
  
  </td>
</tr></table>
</form>
</body>
</html>

```