

Land Use Map Exercise Name..... Set

Work in pairs

Select a land-use map and answer the following:

- 1 Describe (with the aid of an atlas where necessary).
 - general location of the map area within GB.
- 2 Give details of the following and for each factor suggest how this could influence land use in the area.
 - climate (quote figures for summer/winter temperatures, rainfall, seasonality).
 - relief variations on the map.
 - drainage characteristics.
 - human/urban/market influences on/near the map area.

- 3 Select a suitable sampling method (eg 100 point intersections) to find out the % of each land-use in the map area. You should subdivide the land uses into about 6 categories.

Record your results in a table.

- 4 Portray your results using a suitable cartographic method eg pie chart (you may draw by hand or use computer). Write a brief explanation.
- 5 Prepare to give a short report to the rest of the class.

Extras

- 6 It is possible to check the statistical reliability of your % figures by applying the standard error formula:

$$SE = \sqrt{\frac{p \times q}{n}}$$

p= percentageland use
q = remainder from 100%
n = number of points

Comment on the statistical accuracy of your largest and smallest figure.

- 7 Relate land-use to another variable eg altitude or distance from town.
Use Electronic WS/Agriculture/LU matrix blank to enter your figures
Compare your actual results with predicted figures
- 8 Compare your LU map with the latest Landsat images on the Intranet

Barmouth 124

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a124tm.htm>

Crowland 131

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a131.htm>

Fakenham 132

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a132tm.htm>

Kirkby Moorside 94

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/helpers/mrsid/a94tm.htm>

Loddon 134

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a134.htm>

Newport 171

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a171.htm>

Rhondda 170

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a170tm.htm>

Sevenoaks 188

<http://192.9.220.116/Datascape/Departments/Geography/WOUK2000/bnsc/html/ukimg/a188.htm>

LU Map/MJH