

<b>Title</b>	Description of Version 1.0 of the Land Cover Map 2000 data for the Chilbolton test site, used during the NCAVEO 2006 Field Campaign.
<b>Document created by</b>	Emma Rockall
<b>Date</b>	7 <sup>th</sup> September 2008
<b>Revision history</b>	First release.
<b>Purpose</b>	To describe the Land Cover Map 2000 data files available and how to access them from the NEODC website.
<b>Data files in the set</b>	<p>Raster: dblbnd.adf  hdr.adf  log.txt  prj.adf  sta.adf  vat.adf  w001001.adf  w001001x.adt</p> <p>Vector: subit2.dbf  subit2.sbn  subit2.sbx  subit2.shp  subit2.shx</p>
<b>PI of this data set</b>	Andrew Thompson, Centre for Ecology and Hydrology, Monks Wood <a href="mailto:agth@ceh.ac.uk">agth@ceh.ac.uk</a>
<b>Terms of use</b> <b>(see NEODC website for the full version)</b>	<p>The data may be used for all non-commercial research/project work undertaken by the NCAVEO network, in particular to learn about cal- val issues.</p> <p>If you wish to use the data set please contact the PI listed above. If you intend to publish a paper or give a presentation based on, or making significant use of these data, please consider including the PI(s) as co-author(s) at an early stage in the process.</p> <p>In all cases where the data are used in a presentation or publication, an acknowledgement must be given: for example, "<i>Data from the NCAVEO 2006 Field Campaign are provided courtesy of NCAVEO via the NERC Earth Observation Data Centre (NEODC).</i>"</p>

### How to access the Land Cover Map 2000 dataset

This dataset is stored separately from the main NCAVEO dataset on the NEODC website (<http://www.neodc.rl.ac.uk/>) under the dataset name 'ncaveo\_lcm2000'. To access this dataset you must request access to the database from NEODC using the following steps:

- 1) Register or log in as a NEODC user
- 2) From the main NEODC webpage go to "Browse datasets" and select "ncaveo\_lcm2000: Land Cover Map 2000 data for NCAVEO UK sites"
- 3) Follow the link 'Dataset web page" and select "Request access to this dataset".
- 4) Follow the steps provided and accept the terms and conditions of use. Approval of access to this database may take a few days and notification will be provided by email.

For information on how this dataset was constructed please refer to the Centre for Hydrology and Ecology website (<http://www.ceh.ac.uk>).

### Data Format

The LCM2000 data can be downloaded in two formats, and includes data for all NCAVEO test sites. To download the Chilbolton data:

#### 1) Raster format

Select the 'lcmchilbolton' folder. There are a series of files in Arc/Info Binary Grid Format:

- **dblbnd.adf** This file contains the georeferenced bounds of the grid.
- **hdr.adf** The header file contains information on the number and size of tiles sizes in the dataset.
- **sta.adf** Raster statistics.
- **vat.adf** Value attribute table.
- **w001001.adf** File of raster data.
- **w001001x.adf** An index file containing pointers to each of the tiles in w001001.adf.

#### 2) Vector format.

A polygon shape file of the land cover 2000 map and associated files can be downloaded from the vector data file under the filename 'subit2'. It is important to select this filename as another NCAVEO test site is located within SU on the British National Grid.

Additional information provided by Centre for Ecology and Hydrology about the land cover map can be found in the documents folder included in the LCM2000 dataset.

### File Projection

When using GIS software to read the vector file it may be necessary to define the coordinate system used. In ArcGIS use the 'Toolbox/ Projections and Transformations/ Define Projection' tool to set the projection to British National Grid and create a 'subit2.prj' file for later use.

### References

Centre for Ecology and Hydrology (2008) Land Cover Map, Natural Environment Research Council, [http://www.ceh.ac.uk/sections/seo/lcm2000\\_home.html](http://www.ceh.ac.uk/sections/seo/lcm2000_home.html) (Accessed 23rd July 2008)