

Dataset Documentation

**Broad Habitat Area Estimates by Land Class for Great Britain**

Version: 1. 23-1-2014 C.M. Wood, CEH Lancaster

Countryside Survey data © NERC - Centre for Ecology & Hydrology

**Countryside Survey 2007 estimates of Broad Habitat areas in Great Britain**

***CS007\_Broad\_Habitat\_Stock.csv file details:***

- *National estimates of Broad Habitat stock (Habitats 1-17) for 2007 calculated using the 2007 ITE Land Classification (refer to Scott, 2007; Bunce et al., 2007). Estimates are given as a total area in '000s ha for each Broad Habitat per Land Class including lower and upper confidence limit estimates. Note that the freshwater habitats were analysed using a different statistical model to the other habitats.*

**Columns:**

YEAR (number) - Year of Survey

LAND\_CLASS (text) - ITE Land Class (Bunce et al., 1996; Bunce et al., 1981, Bunce et al., 2007).

BROAD\_HABITAT (number) - Broad Habitat code

BROAD\_HABITAT\_NAME (text) - Broad Habitat description (Jackson, 2000)

LAND\_CLASS\_AREA (number) - Total Area of relevant Land Class (00s ha)

MEAN\_ESTIMATE (number) - Mean estimate of area of Broad Habitat for relevant Land Class (000s ha). *Note: There may be negative values in this column due to the statistical model used. Treat these as a value of '0'.*

LOWER\_ESTIMATE (number) - Lower estimate (95% confidence interval) of area of Broad Habitat for relevant Land Class (000s ha)

UPPER\_ESTIMATE (number) - Upper estimate (95% confidence interval) of area of Broad Habitat for relevant Land Class (000s ha)

**Countryside Survey 2007 mapped estimates of Broad Habitat areas in Great Britain**

***CS2007\_Stock.tif file details:***

- *In each band of the file, each 1km pixel contains a mean estimate of the percentage value of the amount of habitat in that particular square. The estimates are based on means from 1km survey squares sampled within each Land Class strata. Each band in the file equates to a Broad Habitat class as detailed below.*

<b>Band 1</b>	Broad Habitat 1	Broadleaved Mixed and Yew Woodland
<b>Band 2</b>	Broad Habitat 2	Coniferous Woodland
<b>Band 3</b>	Broad Habitat 3	Boundary and Linear Features
<b>Band 4</b>	Broad Habitat 4	Arable and Horticulture
<b>Band 5</b>	Broad Habitat 5	Improved Grassland
<b>Band 6</b>	Broad Habitat 6	Neutral Grassland
<b>Band 7</b>	Broad Habitat 7	Calcareous Grassland
<b>Band 8</b>	Broad Habitat 8	Acid Grassland
<b>Band 9</b>	Broad Habitat 9	Bracken
<b>Band 10</b>	Broad Habitat 10	Dwarf Shrub Heath
<b>Band 11</b>	Broad Habitat 11	Fen, Marsh, Swamp
<b>Band 12</b>	Broad Habitat 12	Bog
<b>Band 13</b>	Broad Habitat 13	Standing Open Waters and Canals
<b>Band 14</b>	Broad Habitat 14	Rivers and Streams
<b>Band 15</b>	Broad Habitat 15	Montane
<b>Band 16</b>	Broad Habitat 16	Inland Rock
<b>Band 17</b>	Broad Habitat 17	Urban

***Spatial Reference Information:***

Pixel size	<b>1km</b>
Pixel size (m)	<b>1000</b>
Coordinate system	<b>British National Grid</b>
Projection	<b>Transverse Mercator</b>
Extent	<b>Great Britain</b>
Projection	<b>British National Grid OSGB1936</b>

**All use of CS data must be acknowledged.**

The following acknowledgement and copyright notice (where applicable), shall be used on all copies of the data, publications and reports, including use in presentations to any audience.

- Acknowledgement: Countryside Survey data owned by NERC – Centre for Ecology & Hydrology
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## Relevant Publications & References

<i>Title</i>	<i>Comment</i>	<i>Link</i>
<ul style="list-style-type: none"> <li>Countryside Survey Website</li> </ul>	General overview of Countryside Survey project with links to many relevant documents and methodologies.	<a href="http://www.countrysidesurvey.org.uk/">http://www.countrysidesurvey.org.uk/</a>
<ul style="list-style-type: none"> <li>Carey, P.D., Wallis, S., Chamberlain, P.M., Cooper, A., Emmett, B.A., Maskell, L.C., McCann, T., Murphy, J., Norton, L.R., Reynolds, B., Scott, W.A., Simpson, I.C., Smart, S.M., Ulliyett, J.M.. (2008) <b>Countryside Survey: UK Results from 2007</b>. NERC/Centre for Ecology &amp; Hydrology</li> </ul>	Report explains background to dataset.	<a href="http://www.countrysidesurvey.org.uk/sites/default/files/pdfs/reports2007/CS_UK_2007_TR1.pdf">http://www.countrysidesurvey.org.uk/sites/default/files/pdfs/reports2007/CS_UK_2007_TR1.pdf</a>
<ul style="list-style-type: none"> <li>Scott, W.A. (2007) <b>CS Technical Report No.4/07 Statistical Report</b></li> </ul>	Report explains how the Countryside Survey National estimates are generated from the 1km survey sample squares.	<a href="http://eidchub.ceh.ac.uk/metadata/f03cba75-8bca-4679-ae2a-77a9fcbd4df3/cs-technical-report-no.4-07-statistical-report/view">http://eidchub.ceh.ac.uk/metadata/f03cba75-8bca-4679-ae2a-77a9fcbd4df3/cs-technical-report-no.4-07-statistical-report/view</a>
<ul style="list-style-type: none"> <li>Bunce, R.G.H., Barr, C.J., Clarke, R.T., Howard, D.C. &amp; Lane, A.M.J. (1996) <b>ITE Merlewood Land Classification of Great Britain</b>. Journal of Biogeography, 23, 625-634</li> </ul>	Overview of the ITE Land Classification. Explains how the Land Classification was produced and its relevance to Countryside Survey.	
<ul style="list-style-type: none"> <li>Bunce, R.G.H., Barr, C.J., Whittaker, H.A. (1981), <b>Land Classes in Great Britain: Preliminary Descriptions for Users of the Merlewood Method of Land Classification</b>. Merlewood Research and Development Paper No. 86</li> </ul>	Overview of the ITE Land Classification. Describes characteristics of the Land Classes.	<a href="http://nora.nerc.ac.uk/5898/1/R%26D0862.pdf">http://nora.nerc.ac.uk/5898/1/R%26D0862.pdf</a>
<ul style="list-style-type: none"> <li>CS Technical Report No.1/07 - <b>Field Mapping Handbook</b></li> </ul>	Countryside Survey Habitat Mapping Methodology	<a href="http://eidchub.ceh.ac.uk/metadata/f03cba75-8bca-4679-ae2a-77a9fcbd4df3/countryside-survey-field-mapping-handbook/view">http://eidchub.ceh.ac.uk/metadata/f03cba75-8bca-4679-ae2a-77a9fcbd4df3/countryside-survey-field-mapping-handbook/view</a>
<ul style="list-style-type: none"> <li>Jackson D.L. (2000), <b>Guidance on the interpretation of the Biodiversity Broad Habitat Classification (terrestrial and freshwater types): Definitions and the relationship with other classifications</b>, JNCC Report 307, 73 pages, ISSN 0963 8091</li> </ul>	Information about BAP Broad Habitats	<a href="http://jncc.defra.gov.uk/page-2433">http://jncc.defra.gov.uk/page-2433</a>