

Dataset Documentation

Broad Habitat Area Estimates by Land Class for Great Britain 1990

Version: 1: 20-1-2014 C. Wood, CEH Lancaster

Countryside Survey data © NERC - Centre for Ecology & Hydrology

Countryside Survey 1990 estimates of Broad Habitat areas in Great Britain

CS1990_Broad_Habitat_Stock.csv file details:

- *National estimates of Broad Habitat stock (Habitats 1-17) for 1990 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 and there was no separate Montane (BH15) class in 1990.*

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 1990 mapped estimates of Broad Habitat areas in Great Britain

cs1990_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.*

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

Note: There was no Montane class in 1990, hence Band 15= BH16, and Band 16=BH17

Spatial Reference Information:

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

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"> • Countryside Survey Website 	General overview of Countryside Survey project with links to many relevant documents and methodologies.	http://www.countrysidesurvey.org.uk/
<ul style="list-style-type: none"> • 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) Countryside Survey: UK Results from 2007. NERC/Centre for Ecology & Hydrology 	Report explains background to dataset.	http://www.countrysidesurvey.org.uk/outputs/uk-results-2007
<ul style="list-style-type: none"> • Barr, C. J.; Bunce, R. G. H.; Clarke, R. T.; Fuller, R. M.; Furse, M. T.; Gillespie, M. K.; Groom, G. B.; Hallam, C. J.; Hornung, M.; Howard, D. C.; Ness, M. J.. 1993 Countryside Survey 1990: main report. (Countryside 1990 vol.2). London, Department of the Environment, 174pp. 		http://nora.nerc.ac.uk/4329/1/N004329RE.pdf
<ul style="list-style-type: none"> • Scott, W.A. (2007) CS Technical Report No.4/07 Statistical Report 	Report explains how the Countryside Survey National estimates are generated from the 1km survey sample squares.	http://eidchub.ceh.ac.uk/metadata/53ef00f4-e0c5-4095-850e-d4c474bc4ffd/cs-technical-report-no.4-07-statistical-report/view
<ul style="list-style-type: none"> • Bunce, R.G.H., Barr, C.J., Clarke, R.T., Howard, D.C. & Lane, A.M.J. (1996) ITE Merlewood Land Classification of Great Britain. Journal of Biogeography, 23, 625-634 	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"> • Bunce, R. G. H., Barr, C. J., Clarke, R. T., Howard, D. C., Scott, W. A. (2007) ITE Land Classification of Great Britain 2007. NERC-Environmental Information Data Centre doi: 10.5285/5f0605e4-aa2a-48ab-b47c-bf5510823e8f 	ITE Land Classification 2007 vector dataset	http://doi.org/10.5285/5f0605e4-aa2a-48ab-b47c-bf5510823e8f
<ul style="list-style-type: none"> • Bunce, R.G.H., Barr, C.J., Whittaker, H.A. (1981), Land Classes in Great Britain: Preliminary Descriptions for Users of the Merlewood Method of Land Classification. Merlewood Research and Development Paper No. 86 	Overview of the ITE Land Classification. Describes characteristics of the Land Classes.	http://nora.nerc.ac.uk/5898/1/R%26D0862.pdf

<ul style="list-style-type: none"> Barr, C.J.. 1991 1990 Countryside Survey Field Handbook [4th draft]. Grange-over-Sands, UK, NERC/Institute of Terrestrial Ecology, 48pp. 	Field mapping methodology	http://nora.nerc.ac.uk/9022/1/Handbook_1990.pdf
<ul style="list-style-type: none"> Jackson D.L. (2000), Guidance on the interpretation of the Biodiversity Broad Habitat Classification (terrestrial and freshwater types): Definitions and the relationship with other classifications, JNCC Report 307, 73 pages, ISSN 0963 8091 	Information about BAP Broad Habitats	http://jncc.defra.gov.uk/page-2433