

Metadata format: ISO 19139**1:250,000 Soils of Scotland****ISO 19139 metadata content**

- [Resource Identification Information](#)
- [Reference System Information](#)
- [Data Quality Information](#)
- [Distribution Information](#)
- [Metadata Information](#)

Resource Identification Information

CITATION

TITLE 1:250,000 Soils of Scotland

ALTERNATE TITLES Soils of Scotland 1:250,000 Soils vector, qmsoils

CREATION DATE 1981-01-01

PRESENTATION FORMAT mapDigital

UNIQUE RESOURCE IDENTIFIER

VALUE qmsoils_2013

THEMES OR CATEGORIES OF THE RESOURCE farming, geoscientificInformation, environment

DESCRIPTIVE KEYWORDS

KEYWORDS soil, land form, base material

ABSTRACT

This dataset is the digital (vector) version of the Soils of Scotland 1:250,000 maps, which is a generalised soil map, partly derived from a 1:50,000 map of the soils of Scotland. This dataset is an inventory of the soils of Scotland and was intended for use by planners etc. This dataset has the soil lines extrapolated over the built-up areas. The soil classification used was updated in 2013 to provide a unified classification across all Soil Survey of Scotland soil maps and profile datasets (UCSS). Version 1.1 of the data includes both the original 1984 and the 2013 soil classification. Version 1.2 of the data included an updated classification table. Version 1.3 of the data include some minor polygon corrections and further revisions to the classification table. Version 1.4 of the data includes some alterations to the symbology used for display.

GRAPHIC OVERVIEW

FILE NAME Soil250k_thumb_large_s.png

FILE TYPE png

FILE DESCRIPTION thumbnail

GRAPHIC OVERVIEW

FILE NAME Soil250k_thumb_large.png

FILE TYPE png

FILE DESCRIPTION large_thumbnail

DATASET LANGUAGE English

MAINTENANCE

UPDATE FREQUENCY irregular

RESOURCE CONSTRAINTS

LEGAL CONSTRAINTS

ACCESS CONSTRAINTS copyright, intellectualPropertyRights, otherRestrictions

USE CONSTRAINTS copyright, intellectualPropertyRights

OTHER CONSTRAINTS

otherRestrictions

RESOURCE CONSTRAINTS

CONSTRAINTS

LIMITATIONS OF USE

This data was produced at a scale of 1:250,000. Larger scale data is available for the main agricultural areas of Scotland. This data may be used only under license.

SPATIAL REPRESENTATION TYPE vector

FORMAT

NAME Shapefile
VERSION 8.0

SPATIAL RESOLUTION

DATASET'S SCALE

SCALE DENOMINATOR 250000

EXTENT

GEOGRAPHIC EXTENT

VALUE Scotland

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -8.343553
EAST LONGITUDE -0.705118
NORTH LATITUDE 60.866019
SOUTH LATITUDE 54.548773

POINT OF CONTACT - CUSTODIAN

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CONTACT'S POSITION Director of Science Excellence

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[Back to Top](#)

Reference System Information

REFERENCE SYSTEM IDENTIFIER

VALUE urn:ogc:def:crs:EPSG::27700

[Back to Top](#)

Data Quality Information

SCOPE OF QUALITY INFORMATION

RESOURCE LEVEL dataset

LINEAGE

LINEAGE STATEMENT

Data gathering: Start: 01/01/1947, End: 01/01/1981

Collection methods: The digitising of this dataset was done by Laser-Scan, Cambridge. A film version of the lines was used as a source document for scanning. Dyeline prints of the soil lines were symbolized by hand and used as the source document for coding the polygons. The data was supplied in GIMMS format, and was first used for a joint venture with the Institute of Hydrology, who produced a raster version of the data at a resolution of 100 metres. In the course of this work they discovered and resolved many problems with edge-matching, errors in coding etc, which had not come to light previously. During this work soil boundaries were extended over all the built-up areas on the maps. The vector data was converted to a more useable format in the mid-eighties. Vector strings and arc-polygon labels were read from the GIMMS format, written to textfiles and used to produce plots to assist with the LCF map series. Later the vectors were imported into ARC/Info and a method devised for labelling the polygons. A more rigorous check of the accuracy of the dataset was done, which revealed coding and positional errors. The dataset can be considered as being composed of three layers: soil boundaries, lochs and coastline. These layers vary in their absolute and relative positional accuracy, when compared with the source 1:50,000 documents. Localised errors of up to 200 m have been observed in the lochs layer (possibly due to a mis-registration of plates during the reprographics phase of map production) and also therefore in common boundaries with soil polygons. It was accepted that it would take an inordinate amount of time to correct all the errors and that the best that could be done would be to check and correct the coding of polygons and any gross positional errors of soil boundaries. This work was done using the original data (vector, with built-up areas) and a dataset named Soils of Scotland 1:250,000 Soils and Built-up Area vector was produced. It was from this basic dataset that this dataset the Soils of Scotland 1:250,000 Soils vector was created. Raster versions of both vector datasets were made at resolutions of 100 metres and 1 kilometre.

Originator: Formerly DAFS (Department of Agriculture and Fisheries for Scotland), then SOAEFD (Scottish Office Agriculture, Environment and Fisheries Department), now SERAD (Scottish Executive Rural Affairs Department)

Data collectors: SURVEYING and INTERPRETATION: Eastern Scotland - Alexander Walker, Northern Scotland - Donald W Fuddy, Orkney and Shetland - Frank T Dry, Outer Hebrides - Gordon Hudson, South-East Scotland - Cyril J Bown, South-West Scotland - Cyril J Bown, Western Scotland - John S Bibby. DIGITISING: Laser-Scan, Cambridge.

Revision on 11/10/11 to correct truncated parent material information.

Ownership of this data set was passed to the James Hutton Institute on 1st April 2011.

[Back to Top](#)

Distribution Information

DISTRIBUTOR

DISTRIBUTOR INFORMATION - DISTRIBUTOR

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FORMAT

NAME Shapefile
 VERSION 8.0

ORDERING PROCESS

TERMS AND FEES This data is issued by The James Hutton Institute under its open data licence, a copy of which must be retained with the data. If clarification is required please contact one of those named in this metadata. This data may be used for commercial purposes under the terms of the Hutton Open Data licence. Please contact one of those named in this metadata for further information.

TURNAROUND TIME Contact david.donnelly@hutton.ac.uk

INSTRUCTIONS

Two weeks for license processing

TRANSFER OPTIONS

ONLINE RESOURCE

ONLINE LOCATION file:///\\GNIPPER\D\$\DavidD\Dleas\Soils_250K\qmsoils_dleas_2011.shp

FORMAT

NAME ArcGIS shapefile

VERSION 8 +

TRANSFER OPTIONS

ONLINE RESOURCE

ONLINE LOCATION

[http://DRUID.HUTTON.AC.UK:8399/arcgis/services/Hutton_NSIS_and_Soils/MapServer/WMSServer?
request=GetCapabilities&service=WMS](http://DRUID.HUTTON.AC.UK:8399/arcgis/services/Hutton_NSIS_and_Soils/MapServer/WMSServer?request=GetCapabilities&service=WMS)

[Back to Top](#)

Metadata Information

LAST UPDATE 2014-03-11 08:44:49

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SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

METADATA LANGUAGE English

METADATA IDENTIFIER B7E65842-C041-4950-BF0C-3AF06C2DBAE7

[Back to Top](#)