

Surface Hazards Metadata

Description

Keywords

Theme: Coal, Mining, Underground, Mining Report, Ground Stability, Surface Hazards,

Description

Abstract

A Past Surface Hazard is a site or property that has been subject to investigation and or remedial works by the Coal Authority under its Emergency Hazard Call-Out Procedures.

Purpose

Mining and geographical data held on the Coal Authority Mining Database.

Supplementary Information

The Coal Authority established under the Coal Industry Act 1994 has a remit to manage the coal legacy concerning property and historic liabilities and provide a 24-hr emergency call-out service to ensure public safety. The Coal Authority deals with over 250 surface hazards each year. These hazards are generally an even split between hazards relating to mine entries and hazards relating to shallow workings. Mine gas and mine water issues are dealt with separately. This data layer shows the areas where the Coal Authority has undertaken remediation work following a surface hazard. Where the Coal Authority has undertaken remediation work at a property a polygon covering the property address is used. Where the surface hazards is outside the residential environment, or deals with a mine entry, a circular polygon is used; 5m for a mine entry and 20m for a ground collapse.

The National Coal Mining Database, which is based on the records held at The Coal Authority offices in Mansfield, Nottinghamshire, is updated on a regular basis. This dataset has been extracted from this dynamic database on the date stated below and therefore represents a snapshot in time.

Status of the data

Extract of data from the National Coal Mining Database

Data update frequency: As needed

Time period for which the data is relevant

Date and time: 14/08/2014

Description: Dataset export from the National Coal Mining Database

Publication Information

Who created the data: The Coal Authority

Date and time: 26/09/2014

Data storage and access information

File name: SurfaceHazard

Type of data: vector digital data

Data processing environment: Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcCatalog 10.0 (Build 2800)

Accessing the data

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Size of the data:

Data transfer size:

Constraints on accessing and using the data

Access and use constraints: This data, service or application is provided free of charge under the terms and conditions of the Open Government Licence.

The full terms and conditions of the Open Government Licence can be viewed at:

<http://www.nationalarchives.gov.uk/doc/open-government-licence/>

If you need any additional advice please contact the Customer Service Team on +44 (0) 0345 762 6848 or at groundstability@coal.gov.uk.

Details about this document

Contents last updated: 26/09/2014

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Standards used to create this document

Standard name: FGDC Content Standards for Digital Geospatial Metadata

Standard version: FGDC-STD-001-1998

Time convention used in this document: local time

Metadata profiles defining additional information

- ESRI Metadata Profile: <http://www.esri.com/metadata/esriprof80.html>

Surface Hazards Metadata

Spatial

Horizontal coordinate system

Projected coordinate system name: British_National_Grid

Geographic coordinate system name: GCS_OSGB_1936

Details

Map Projection Name: Transverse Mercator

Scale Factor at Central Meridian: 0.999601

Longitude of Central Meridian: -2.000000

Latitude of Projection Origin: 49.000000

False Easting: 400000.000000

False Northing: -100000.000000

Planar Coordinate Information

Planar Distance Units: meters

Coordinate Encoding Method: coordinate pair

Coordinate Representation

Abscissa Resolution: 0.000000

Ordinate Resolution: 0.000000

Geodetic Model

Horizontal Datum Name: D_OSGB_1936

Ellipsoid Name: Airy_1830

Semi-major Axis: 6377563.396000

Denominator of Flattening Ratio: 299.324965

Altitude System Definition

Resolution: 0.000100

Encoding Method: Explicit elevation coordinate included with horizontal coordinates

Bounding coordinates

Horizontal

In decimal degrees

West: -5.973728

East: 1.952598

North: 58.029351

South: 50.977168

In projected or local coordinates

Left: 165007.000000

Right: 633740.000000

Top: 904433.880000

Bottom: 125147.990000

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Spatial data description

Vector data information

ESRI description

Surface Hazard

ESRI feature type: Simple

Geometry type: Polygon

Topology: FALSE

Feature count: 7678

Spatial Index: TRUE

Linear referencing: TRUE

SDTS description

Feature class: SDTS feature type, feature count

- SurfaceHazard: G-polygon, 7678

Attributes

Details for Surface Hazard

Type of object: Feature Class

Number of records: 7678

Attributes

FID

Alias: FID

Data type: OID

Width: 4

Precision: 0

Scale: 0

Definition: Internal feature number.

Definition Source: ESRI

Shape

Alias: Shape

Data type: Geometry

Width: 0

Precision: 0

Scale: 0

Definition: Feature geometry.

Definition Source: ESRI

OBJECTID

Alias: OBJECTID

Data type: Number

Width: 9

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FEATURE_TYPE

Alias: FEATURE_TYPE

Data type: String

Definition:

The coal mining feature type

Width: 50

HYPERLINK

Alias: HYPERLINK

Data type: String

Definition: Web URL for further information

Width: 50

SHAPE_Length

Alias: SHAPE_Length

Data type: Float

Width: 19

Number of decimals: 11

SHAPE_Area

Alias: SHAPE_Area

Data type: Float

Width: 19

Number of decimals: 11

Definition: Area of feature in internal units squared.

Definition Source: ESRI