

Monitoring Points Metadata

Description

Keywords:

Theme: Coal, Monitoring, Environment, Water, Mine, Gas, Chemistry, Pumping, Data

Description

Abstract

Monitoring points consist of a variety of sites throughout the UK at which environmental data are gathered by the Authority. The types of data collected include water level, mine gas concentration, flow rate, chemistry and pumping data.

Purpose

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

Supplementary Information

Within the last thirty years or so as coal production in the UK has reduced so have the underground pumping arrangements. This cessation has allowed underground water levels to rise and outbreaks to occur at the surface.

The Authority currently operates a number of mine water treatment schemes in order to remediate existing discharges and prevent new discharges from coal mine workings. 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: Monitoring Points

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

Size of the data:

Data transfer size:

Monitoring Points Metadata

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) 345 762 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>

Spatial Information

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

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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: -5.992087

East: 2.228188

North: 58.041757

South: 50.942594

In projected or local coordinates

Left: 164000.000000

Right: 650000.000000

Top: 905814.900000

Bottom: 122000.000000

Vertical

Minimum elevation: 0.000000

Maximum elevation: 0.000000

Spatial data description

Vector data information

ESRI description

Monitoring Points

ESRI feature type: Simple

Geometry type: Point

Topology: FALSE

Feature count: 1564

Spatial Index: TRUE

Linear referencing: FALSE

SDTS description

Feature class: SDTS feature type, feature count

- Monitoring point: Point, 1564

Monitoring Points Metadata

Attributes

Details for Monitoring Points

Type of object: Feature Class

Number of records: 1564

Attributes

FEATURE_REFERENCE

Alias: Feature Reference

Data type: String

Definition: Unique Coal Authority Reference

Width: 80