

METADATA (SPATIAL DATA)

Contents



1. INTRODUCTION	4
2. MAIN DATABASE	5
2.1 GENERAL	5
2.1.1 GREENSAND COUNTRY BOUNDARY	5
2.1.2 ELEVATION	6
2.1.3 HILLSHADE	7
2.1.4 CITIES AROUND GREENSAND COUNTRY	8
2.2 GEOLOGY & SOIL	9
2.2.1 SOIL	9
2.3. LANDSCAPE & HABITATS	11
2.3.1 LANDSCAPE CHARACTER AREAS	11
2.3.2 SITE OF SPECIAL SCIENTIFIC INTERESTS	13
2.3.3 NATURE RESERVES	15
2.3.4 PARKS	16
2.3.5 PRIORITY HABITAT	17
2.3.6 RUNOFF RETENTION	18
2.4 HERITAGE	20
2.4.1 SANDSTONE CHURCHES	20
2.5. RECREATION	21
2.5.1 CYCLING ROUTES	21
2.5.2 CYCLING ROUTES START POINT	22
2.5.3 WALKING ROUTES	23
2.5.4 HORSE RIDING ROUTES	24
2.6 TRANSPORT	25
2.6.1 RAIL STATIONS	25
2.6.2 RAIL LINE	27
2.6.3 COMMUNITY BUS STOPS	28
3. SUPPLEMENTARY DATABASE	30
3.1 LANDSCAPE	30
3.1.1 LANDSCAPE CHARACTER TYPES	30
3.1.2 HISTORIC ENVIRONMENT ASSESSMENT - RBECA	32
3.1.3 HISTORIC ENVIRONMENT ASSESSMENT - HLCA	33

3.1.4 HISTORIC ENVIRONMENT ASSESSMENT - ACA.....	34
3.1.5 HISTORIC PARKS.....	35
3.2 HERITAGE	36
3.2.1 SANDSTONE STRUCTURES.....	36
3.2.2 SANDSTONE QUARRIES	37
3.2.3 PARISHES WITH SANDSTONE.....	38
4. ACKNOWLEDGEMENT	39

1. INTRODUCTION



1. This document provides the metadata for the spatial data delivered to Greensand Country Landscape Partnership as part of the MSc group project. Datasets used in the storymap can be found in the main database where other relevant datasets are in the supplementary database. For each database, the datasets are arranged by categories (where applicable):

- a. General
- b. Geology & Soil
- c. Landscape
- d. Heritage
- e. Recreation
- f. Transport

2. The metadata is based on GEMINI v2.3 which is UK geographic metadata standard conforming to ISO standards & UK's implementation of European INSPIRE regulations. Further information can be found at <https://www.agi.org.uk/gemini/40-gemini/1062-gemini-datasets-and-data-series/>.

2. MAIN DATABASE

2.1 GENERAL

2.1.1 GREENSAND COUNTRY BOUNDARY

Title	Greensand Country Boundary
Dataset Language	English
Abstract	This file contains the boundary of Greensand Country. Dataset is from Greensand Country Landscape Partnership and appears as polygon features in GeoPackage format.
Topic Category	Boundaries
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Outline of Greensand Country obtained from Greensand Country Landscape Partnership.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Greensand Country Landscape Partnership, claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.1.2 ELEVATION

Title	Elevation
Dataset Language	English
Abstract	This file contains the digital elevation model (DEM) of Greensand Country. Dataset is from Ordnance Survey, with resolution at 50m. Dataset appears as raster in GeoPackage format.
Topic Category	Elevation
Keyword	Geography, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Digital elevation model at 50m resolution obtained from Ordnance Survey. Processing done by Cranfield University to only include Greensand Country.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Ordnance Survey, Owner
Limitations On Public Access	Data is licensed under Open Government Licence v3.0
Use Constraints	Data is licensed under Open Government Licence v3.0
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Raster

2.1.3 HILLSHADE

Title	Hillshade
Dataset Language	English
Abstract	This file contains the hillshade of Greensand Country derived from digital elevation model (DEM). DEM is from Ordnance Survey, with resolution at 50m. Processing done by Cranfield University MSc students. Dataset appears as raster in GeoPackage format.
Topic Category	Elevation
Keyword	Geography, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Digital elevation model at 50m resolution obtained from Ordnance Survey. Processing done by Cranfield University to derive hillshade.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Ordnance Survey, Owner
Limitations On Public Access	Data is licensed under Open Government Licence v3.0
Use Constraints	Data is licensed under Open Government Licence v3.0
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Raster

2.1.4 CITIES AROUND GREENSAND COUNTRY

Title	Cities Around Greensand Country
Dataset Language	English
Abstract	This file contains the cities around Greensand Country. Dataset is manually digitised by Cranfield University MSc students, with reference to OpenStreetMap data. Dataset appears as polygon features in GeoPackage format.
Topic Category	Location
Keyword	City, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Dataset is manually digitised by Cranfield University MSc students, with reference to OpenStreetMap data
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Open Source
Limitations On Public Access	Open Source
Use Constraints	Open Source
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.2 GEOLOGY & SOIL

2.2.1 SOIL

Title	Soil
Dataset Language	English
Abstract	This file contains the soil data of Greensand Country. Dataset is generalised and simplified from National Soil Map (NATMAP) produced by National Soil Resources Institute (NSRI) with support from Department for Environment, Food and Rural Affairs. It shows, in simple terms, what the likely soil conditions are at any point in the landscape by referencing to 3 broad types of soil (clay, sand and alluvium). Dataset appears as polygon features in GeoPackage format. The dataset is best visualised with symbology categorised by the field 'Soil Type'.
Topic Category	Geoscientific Information
Keyword	Soil, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2001
Dataset Reference Date	2001, publication
Lineage	Dataset is simplified and generalised from NSRI with support from Defra.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Cranfield Soil and Agrifood Institute, Cranfield University, nsridata@cranfield.ac.uk , Point of contact
Limitations On Public Access	Licensing is subjected to agreement with Cranfield University. The generalised soilscape data can be shared with public for viewing.
Use Constraints	Use of data is subjected to agreement with Cranfield University
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	INSPIRE Metadata Implementing Rules: Technical Guidelines based on EN ISO 19115 and EN ISO 19119 (Revised edition)

Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.3. LANDSCAPE & HABITATS

2.3.1 LANDSCAPE CHARACTER AREAS

Title	Landscape Character Areas
Dataset Language	English
Abstract	This file contains the Greensand Country Landscape Character Areas identified from Landscape Character Assessment (2016). Dataset is from Greensand Country Landscape Partnership and held by Bedfordshire Biodiversity Recording and Monitoring Centre. Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2016
Dataset Reference Date	2016, publication
Lineage	Landscape Character Areas identified from Landscape Character Assessment done by Greensand Country Landscape Partnership in 2016.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset

Spatial Representation Type	Vector
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2.3.2 SITE OF SPECIAL SCIENTIFIC INTERESTS

Title	Site of Special Scientific Interests (England)
Dataset Language	English
Abstract	A Site of Special Scientific Interest (SSSI) is the land notified as an SSSI under the Wildlife and Countryside Act (1981), as amended. Sites notified under the 1949 Act only are not included in the dataset. SSSI are the finest sites for wildlife and natural features in England, supporting many characteristic, rare and endangered species, habitats and natural features. The data do not include "proposed" sites. Boundaries are generally mapped against Ordnance Survey MasterMap. Attribution statement: © Natural England copyright. Contains Ordnance Survey data © Crown copyright and database rights 2021.
Topic Category	Environment
Keyword	Protected Sites, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2018
Dataset Reference Date	2018, revision
Lineage	Data was downloaded from MAGIC, with Natural England as data source. Data was captured by Natural England referenced to Ordnance survey data.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Natural England, data.services@naturalengland.org.uk , Point of contact
Limitations On Public Access	Datasets licensed under the Open Government Licence v3.0.
Use Constraints	Datasets licensed under the Open Government Licence v3.0.
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-

Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.3.3 NATURE RESERVES

Title	Nature Reserves
Dataset Language	English
Abstract	This file contains the nature reserves (national and local) within Greensand Country. Dataset is from Natural England, licensed under the Open Government Licence v3.0. The original dataset is in polygon features. Processing was done by Cranfield University MSc students to convert it to point features.
Topic Category	Environment
Keyword	Nature Reserve, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Nature reserves (national and local) obtained from Natural England. Dataset processed by Cranfield University MSc students to convert it from polygon to point features.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Natural England, data.services@naturalengland.org.uk , Point of contact
Limitations On Public Access	Datasets licensed under the Open Government Licence v3.0.
Use Constraints	Datasets licensed under the Open Government Licence v3.0.
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.3.4 PARKS

Title	Parks
Dataset Language	English
Abstract	This file contains selected parks in Greensand Country. These are the parks frequently visited based on geotagged photos analysis. Dataset is manually digitised by Cranfield University MSc students, with reference to OpenStreetMap data. Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Green Space, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Selected parks manually digitised by Cranfield University MSc students, with reference to OpenStreetMap data
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Open source
Limitations On Public Access	Open source
Use Constraints	Open source
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.3.5 PRIORITY HABITAT

Title	Priority Habitat Inventory
Dataset Language	English
Abstract	This is a spatial dataset that describes the geographic extent and location of Natural Environment and Rural Communities Act (2006) Section 41 habitats of principal importance. Dataset is from Natural England, licensed under the Open Government Licence v3.0. Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Land Cover, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Dataset obtained from Natural England and processed by Cranfield University MSc students.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Natural England, data.services@naturalengland.org.uk , Point of contact
Limitations On Public Access	Datasets licensed under the Open Government Licence v3.0.
Use Constraints	Datasets licensed under the Open Government Licence v3.0.
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.3.6 RUNOFF RETENTION

Title	Runoff Retention
Dataset Language	English
Abstract	This file contains runoff retention data of Greensand country and the area 15km around it. Dataset is processed using InVEST tool with the following data inputs: • Elevation - Ordnance Survey • Land Cover Map - Centre for Ecology & Hydrology (CEH) • Hydrologic Soil Group - Oak Ridge National Laboratory (ORNL) Distributed Active Archive Center (DAAC) The land cover map is not available for public/open access. As the processing done is irreversible, the runoff retention data can be used for this project. Dataset appears as raster in GeoPackage format.
Topic Category	Environment
Keyword	Flood, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Derived from the following data inputs: • Elevation - Ordnance Survey • Land Cover Map - Centre for Ecology & Hydrology (CEH) • Hydrologic Soil Group - Oak Ridge National Laboratory (ORNL) Distributed Active Archive Center (DAAC) Processing done by Cranfield University MSc students using InVEST tool.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Cranfield University's Centre for Environmental & Agricultural Informatics
Limitations On Public Access	Licensing is subjected to agreement with Cranfield University. The runoff retention raster can be shared with public for viewing.

Use Constraints	Use of data is subjected to agreement with Cranfield University
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Raster

2.4 HERITAGE

2.4.1 SANDSTONE CHURCHES

Title	Sandstone Churches
Dataset Language	English
Abstract	This file contains the sandstone churches provided by Greensand Country Landscape Partnership. Dataset appears as point features in GeoPackage format.
Topic Category	Structure
Keyword	Building, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Sandstone churches data obtained from Greensand Country Landscape Partnership
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.5. RECREATION

2.5.1 CYCLING ROUTES

Title	Cycling Routes
Dataset Language	English
Abstract	This file contains the cycling routes in Greensand Country. Dataset is downloaded from Greensand Country website (https://www.greensandcountry.com/explore/cycle/) as GPS file (.gpx). Dataset is cleaned and converted to line features in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2001
Dataset Reference Date	2001, publication
Lineage	Dataset is downloaded from Greensand Country website (https://www.greensandcountry.com/explore/cycle/)
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Greensand Country Landscape Partnership claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.5.2 CYCLING ROUTES START POINT

Title	Cycling Routes Start Point
Dataset Language	English
Abstract	This file contains the starting point of cycling routes in Greensand Country. Dataset is manually digitised by Cranfield MSc students from interactive map accessible from Greensand country website. Dataset appears as point features in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, publication
Lineage	Dataset is manually digitised by Cranfield MSc students from cycling routes map downloaded from Greensand Country website (https://www.greensandcountry.com/explore/cycle/)
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Route map from Greensand Country Landscape Partnership claire@greensandcountry.com , Owner Features digitised by MSc students, Cranfield University's Centre for Environmental & Agricultural Informatics
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.5.3 WALKING ROUTES

Title	Walking Routes
Dataset Language	English
Abstract	This file contains the walking routes in Greensand Country. Dataset is downloaded from Greensand Country website (https://www.greensandcountry.com/explore/walk/) as GPS file (.gpx). Dataset is cleaned and converted to line features in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2001
Dataset Reference Date	2001, publication
Lineage	Dataset is downloaded from Greensand Country website (https://www.greensandcountry.com/explore/walk/)
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Greensand Country Landscape Partnership claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.5.4 HORSE RIDING ROUTES

Title	Horse Riding Routes
Dataset Language	English
Abstract	This file contains the horse riding routes in Greensand Country. Dataset is downloaded from Greensand Country website as GPS file (.gpx). Dataset is cleaned and converted to line features in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2001
Dataset Reference Date	2001, publication
Lineage	Dataset is downloaded from Greensand Country website (https://www.greensandcountry.com/explore/horse-riding/)
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Greensand Country Landscape Partnership claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification
Bounding Box	-0.73, -0.18, 51.93, 52.18
Quality Scope	Dataset
Spatial Representation Type	Vector

2.6 TRANSPORT

2.6.1 RAIL STATIONS

Title	Rail Stations
Dataset Language	English
Abstract	This file contains the rail stations near or within Greensand Country. It includes stations from Marston Vale Community Rail Line as well as Leighton-Buzzard station, Flitwick station and sandy station. Dataset is from National Public Transport Access Nodes (NaPTAN) database licensed under the Open Government Licence v3.0. Dataset appears as point features in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Rail stations extracted from National Public Transport Access Nodes (NaPTAN) database. Accessible via https://naptan.app.dft.gov.uk/datarequest/help
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	National Public Transport Access Nodes (NaPTAN), Department of Transport
Limitations On Public Access	Datasets licensed under the Open Government Licence v3.0.
Use Constraints	Datasets licensed under the Open Government Licence v3.0.
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	INSPIRE Metadata Implementing Rules: Technical Guidelines based on EN ISO 19115 and EN ISO 19119
Bounding Box	-0.73, -0.18, 51.93, 52.18

File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.6.2 RAIL LINE

Title	Rail Line
Dataset Language	English
Abstract	This file contains the Marston Vale Community Rail Line. Dataset is from National Public Transport Access Nodes (NaPTAN) database licensed under the Open Government Licence v3.0. Dataset appears as line feature in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Rail stations extracted from National Public Transport Access Nodes (NaPTAN) database. Accessible via https://naptan.app.dft.gov.uk/datarequest/help
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	National Public Transport Access Nodes (NaPTAN), Department of Transport
Limitations On Public Access	Datasets licensed under the Open Government Licence v3.0.
Use Constraints	Datasets licensed under the Open Government Licence v3.0.
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	INSPIRE Metadata Implementing Rules: Technical Guidelines based on EN ISO 19115 and EN ISO 19119
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

2.6.3 COMMUNITY BUS STOPS

Title	Community Bus Stops
Dataset Language	English
Abstract	This file contains the bus stops with community buses going to Greensand Country. Dataset is manually digitised by Cranfield University MSc students from interactive map on Greensand country website. Dataset appears as point features in GeoPackage format.
Topic Category	Transportation
Keyword	Transport, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Dataset is manually digitised by Cranfield University MSc students from interactive map found on Greensand Country website
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	Interactive map from Greensand Country Landscape Partnership claire@greensandcountry.com , Owner Features digitised by MSc students, Cranfield University's Centre for Environmental & Agricultural Informatics
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	INSPIRE Metadata Implementing Rules: Technical Guidelines based on EN ISO 19115 and EN ISO 19119
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-

Quality Scope	Dataset
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3. SUPPLEMENTARY DATABASE

3.1 LANDSCAPE

3.1.1 LANDSCAPE CHARACTER TYPES

Title	Landscape Character Types
Dataset Language	English
Abstract	This file contains the Greensand Country Landscape Character Types identified from Landscape Character Assessment (2016). Dataset is from Greensand Country Landscape Partnership and obtainable from Bedfordshire Biodiversity Recording and Monitoring Centre (BRMC). Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2016
Dataset Reference Date	2016, publication
Lineage	Greensand Country Landscape Character Assessment (2016) by Greensand Country Landscape Partnership.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	Not tested to INSPIRE specification

Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.1.2 HISTORIC ENVIRONMENT ASSESSMENT - RBECA

Title	Historic Environment Assessment – Rural Built Environmental Character Area (RBECA)
Dataset Language	English
Abstract	This file contains the Greensand Country Historic Environmental Assessment (RBECA), defined through analysis of settlement patterns and building types. Dataset is from Greensand Country Landscape Partnership and obtainable from Bedfordshire Biodiversity Recording and Monitoring Centre (BRMC). Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2016
Dataset Reference Date	2016, publication
Lineage	Dataset obtained from Greensand Country Landscape Partnership
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.1.3 HISTORIC ENVIRONMENT ASSESSMENT - HLCA

Title	Historic Environment Assessment – Historic Landscape Character Area (HLCA)
Dataset Language	English
Abstract	This file contains the Greensand Country Historic Environmental Assessment – HLCA, predominantly derived from Angela Simco’s study of the character of Bedfordshire’s historic landscape (Simco 2005). . Dataset is from Greensand Country Landscape Partnership and obtainable from Bedfordshire Biodiversity Recording and Monitoring Centre (BRMC). Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2016
Dataset Reference Date	2016, publication
Lineage	Dataset obtained from Greensand Country Landscape Partnership
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University’s Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.1.4 HISTORIC ENVIRONMENT ASSESSMENT - ACA

Title	Historic Environment Assessment – Archaeological Character Area (ACA)
Dataset Language	English
Abstract	This file contains the Greensand Country Historic Environmental Assessment – ACA, defined predominantly by looking at the combined criteria of changes in underlying geology and topography . Dataset is from Greensand Country Landscape Partnership and obtainable from Bedfordshire Biodiversity Recording and Monitoring Centre (BRMC). Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2016
Dataset Reference Date	2016, publication
Lineage	Dataset obtained from Greensand Country Landscape Partnership
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.1.5 HISTORIC PARKS

Title	Historic Parks
Dataset Language	English
Abstract	This file contains the historic parks in Greensand Country that were surveyed by Greensand Country Landscape Partnership. Dataset is from Greensand Country Landscape Partnership and obtainable from Bedfordshire Biodiversity Recording and Monitoring Centre (BRMC). Dataset appears as polygon features in GeoPackage format.
Topic Category	Environment
Keyword	Landscape, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2016
Dataset Reference Date	2016, publication
Lineage	Dataset obtained from Greensand Country Landscape Partnership
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.2 HERITAGE

3.2.1 SANDSTONE STRUCTURES

Title	Sandstone Structures
Dataset Language	English
Abstract	This file contains sandstone structures provided by Greensand Country Landscape Partnership. Dataset appears as point features in GeoPackage format.
Topic Category	Structure
Keyword	Building, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Dataset obtained from Greensand Country Landscape Partnership.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.2.2 SANDSTONE QUARRIES

Title	Sandstone Quarries
Dataset Language	English
Abstract	This file contains sandstone quarries provided by Greensand Country Landscape Partnership. Dataset appears as point features in GeoPackage format.
Topic Category	Structure
Keyword	Building, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Dataset obtained from Greensand Country Landscape Partnership.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

3.2.3 PARISHES WITH SANDSTONE

Title	Parishes with Sandstone
Dataset Language	English
Abstract	This file contains parishes containing sandstone provided by Greensand Country Landscape Partnership. Dataset appears as polygon features in GeoPackage format.
Topic Category	Structure
Keyword	Building, General Environmental Multi-Lingual Thesaurus (GEMET)
Temporal Extent	2021
Dataset Reference Date	2021, revision
Lineage	Dataset obtained from Greensand Country Landscape Partnership.
Spatial Reference System	British National Grid
Spatial Resolution	-
Data Format	GeoPackage, 1.3
Responsible Organisation	claire@greensandcountry.com , Owner
Limitations On Public Access	Intellectual property rights is owned by Greensand Country Landscape Partnership. Licensing is subjected to agreement with Greensand Country Landscape Partnership.
Use Constraints	Use of data is subjected to agreement with Greensand Country Landscape Partnership
Metadata Date	Apr 2021
Metadata Language	English
Metadata Point Of Contact	Cranfield University's Centre for Environmental & Agricultural Informatics
Resource Identifier	-
Spatial Data Service Type	-
Resource Type	Datasets
Conformity	-
Bounding Box	-0.73, -0.18, 51.93, 52.18
File Identifier	-
Quality Scope	Dataset
Spatial Representation Type	Vector

4. ACKNOWLEDGEMENT



This metadata document results from an MSc Group project undertaken by MSc students studying at Cranfield University who, in 2021, worked with Greensand Country Landscape Partnership to develop StoryMaps for public engagement.

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