

DATA DICTIONARY

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1. INTRODUCTION



1. This document provides the data dictionary 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. A data dictionary is a collection of the names, definitions, and attributes for the spatial data. For each field in the data attribute table, the following elements are provided:

- a. Field Description
- b. Field Type
- c. Field Length
- d. Additional Information
- e. Mandatory/Optional (whether it is mandatory or optional for the particular field to be populated)

2. MAIN DATABASE

2.1 GENERAL

2.1.1 GREENSAND COUNTRY BOUNDARY

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required

2.1.2 ELEVATION

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
Value	Elevation value	Float	4	Height is relative to Ordnance Survey Newlyn Datum.	Required

2.1.3 HILLSHADE

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
Value	Illumination values value (0 - 255)	Integer	4	Processed by digital elevation model by setting a position for a hypothetical light source and calculating the illumination values of each cell in relation to neighbouring cells.	Required

2.1.4 URBAN AREAS (AROUND GREENSAND COUNTRY)

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of urban area	Text	255		Required

2.2 GEOLOGY & SOIL

2.2.1 SOIL

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Soil Type	Type of soil	Text	8	Limited to 'Clay', 'Sand' and 'Alluvium'	Required

2.3 LANDSCAPE & HABITATS

2.3.1 LANDSCAPE CHARACTER AREA

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of Landscape Character Area	Text	255		Required
Code	Code of Landscape Character Area	Text	1	A - Ouzel Valley B - Bedford Clay Plain C - Greensand Ridge D - Flit Valley E - Ivel Valley	Required

2.3.2 SITES OF SPECIAL SCIENTIFIC INTERESTS

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of SSSI	Text	255		Required

2.3.3 NATURE RESERVES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of nature reserve	Text	255		Required
Type	Type of nature reserve	Text	8	Limited to 'National' or 'Local'	Required

2.3.4 PARKS

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of parks	Text	255		Required

2.3.5 PRIORITY HABITAT

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Type	Type of priority habitat	Text	255		Required
Confidence	Level of confidence that the habitat is correctly classified	Text	6	Classified as 'Low', 'Medium' and 'High'. Provided by source (Natural England).	Optional

2.3.6 RUNOFF RETENTION

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
Value	Runoff retention category	Integer	4	1 - Low runoff retention 2 - Moderate runoff retention 3 - High runoff retention 4 - No data	Required

2.4 HERITAGE



2.4.1 SANDSTONE CHURCHES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of sandstone church	Text	255		Required
Type	Type of stonework	Text	13	Refers to the extent of sandstone usage in the structures. Limited to 'Major Element', 'Predominant' and 'Some'	Required

2.5 RECREATION



2.5.1 CYCLING ROUTES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of cycling route	Text	255		Required
Distance	Distance of cycling route	Float	4	Distance in miles	Optional
Text	Description of cycling route	Text	255		Optional

2.5.2 CYCLING ROUTES START POINT

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of cycling route	Text	255		Required

2.5.3 WALKING ROUTES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of walking route	Text	255		Required
Distance	Distance of walking route	Float	4	Distance in miles	Optional
Text	Description of walking route	Text	255		Optional

2.5.4 HORSE RIDING ROUTES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of horse riding route	Text	255		Required
Distance	Distance of horse riding route	Float	4	Distance in miles	Optional
Text	Description of horse riding route	Text	255		Optional

2.6 TRANSPORT

2.6.1 RAIL STATIONS

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of rail station	Text	255		Required
Rail Line	Name of rail line the station belongs to	Text	255		Optional

2.6.2 RAIL LINE

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of rail line	Text	255	Only Marston Vale Community Rail Line included	Required

2.6.3 COMMUNITY BUS STOPS

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of community bus stop	Text	255	Bus stops that have community buses going to Greensand Country	Required

3. SUPPLEMENTARY DATABASE

3.1 LANDSCAPE

3.1.1 LANDSCAPE CHARACTER TYPES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
LCTtype	Landscape character type	Text	255		Required
LCTno	Landscape character type number	Integer	1	1 – Sandstone Scarp and Slopes 2 – Sandstone Hills 3 – Glacial Plateau Estates 4 – Valley Meadowlands 5 – Valley Settled Farmlands 6 – Lowland Sandy Farmlands 7 – Estate Claylands	Required
LCACode	Landscape character area code	Text	1	A – Ouzel Valley B – Bedford Clay Plain C – Greensand Ridge D – Flit Valley E – Ivel Valley	Required

3.1.2 HISTORIC ENVIRONMENT ASSESSMENT - RBECA

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of Rural Built Environmental Character Area	Text	255		Required
ID	ID of Rural Built Environmental Character Area	Integer	3	Defined by GCLP	Optional

3.1.3 HISTORIC ENVIRONMENT ASSESSMENT - HLCA

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of Historic Landscape Character Area	Text	255		Required
ID	ID of Historic Landscape Character Area	Integer	3	Defined by GCLP	Optional

3.1.4 HISTORIC ENVIRONMENT ASSESSMENT - ACA

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of Archaeological Character Area	Text	255		Required
ID	ID of Archaeological Character Area	Integer	3	Defined by GCLP	Optional

3.1.5 HISTORIC PARKS

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of Archaeological Character Area	Text	255		Required
Registered	Field provided by GCLP	Text	3	Limited to 'Yes', 'No', 'Uns'	Optional
Label	Field provided by GCLP	Integer	4		Optional
SOSid	Field provided by GCLP	Integer	4		Optional

3.2 HERITAGE

3.2.1 SANDSTONE STRUCTURES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
ID	ID of sandstone structure	Text	255	Defined by GCLP	Required

3.2.2 SANDSTONE QUARRIES

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
ID	ID of sandstone structure	Integer	4	Assigned by Cranfield University MSc students	Required

3.2.3 PARISHES WITH SANDSTONE

Field Name	Field Description	Field Type	Field Length (Bytes)	Additional Info	Optional/ Required
FID	Unique identifier of the table	Integer	4		Required
Shape	Geometry of features	Geometry	-		Required
Name	Name of parish	Text	255		Required
Code	Code of parish	Text	9		Required
Area	Area of parish in hectares	Float	4		Required

4. ACKNOWLEDGEMENT



This data dictionary 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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