

Product Summary

Large Raised Reservoirs in England and Wales is a spatial data product that contains point locations and other information about large raised reservoirs in England and Wales.

A large raised reservoir is a structure that holds 25,000 cubic metres or more of water above ground level. These reservoirs are regulated under the Reservoirs Act 1975 (as amended) by the Environment Agency and Natural Resources Wales.

Datadaptive has geocoded the reservoir locations and compiled GIS files in SHP and KMZ formats. [Datadaptive](#) is a side project of [Owen Boswarva](#).

All other data in the product is from two public sources:

1. Data related to reservoirs in England is from a public register maintained by the Environment Agency. That data was [disclosed](#) on 29 June 2023 in response to an information request, in the form of a report dated 1 June 2023 for re-use under the terms of the [Open Government Licence](#).
2. Data related to reservoirs in Wales is from a redacted extract from a public register maintained by Natural Resources Wales. The extract is available [on the DataMapWales portal](#) under the terms of the [Open Government Licence](#). The version used to produce this data product was published on 19 April 2023.

There are some differences in the attributes available in the source data for England and Wales. However, the two datasets are broadly compatible.

Data methods and quality statement

Datadaptive has taken reasonable care in compiling and preparing the data. However, the accuracy and currency of the data is dependent on the source data.

The product contains more than one record for some reservoirs because they have multiple undertakers and/or multiple dams.

Personal data is not covered by the Open Government Licence. Datadaptive has reviewed and redacted the source data and is reasonably confident that the Large Raised Reservoirs product does not contain personal data. However, the re-user remains responsible for ensuring that any use of the product complies with data protection law.

The product does not contain names and addresses of engineers, or addresses of undertakers. Names of undertakers are redacted where it appears the undertaker may not be a non-personal legal entity. Individual names and business names of sole traders have been redacted, as have partnerships, estates, executors of estates, and trustees unless it is clear that they have been incorporated. Names of companies, foundations, clubs, societies, associations, syndicates, non-personal trusts, educational institutions, councils and other public bodies have not been redacted.

Datadaptive has added a field UNDTYPE with a categorisation of undertakers by type. This categorisation is non-official and for some records is a “best guess”.

Data formats

The data is supplied as a table in CSV format, and as geocoded point data in ESRI Shapefile and KMZ formats.

Licensing

The data may be re-used under the terms of the [Open Government Licence 3.0](#).

Attribution

If you re-use this data in a product or application you must use the following attribution statement:

Contains Environment Agency information © Environment Agency and/or database right 2023.

Contains Natural Resources Wales information © Natural Resources Wales and database right. All rights reserved.

Pricing

Free

Contact details

Email: info@datadaptive.com

Website: www.datadaptive.com/

File Specification

Large Raised Reservoirs in England

File name: LRR_ENG_20230601
 Record count: 2,301
 Geographic coverage: England
 File format: CSV, KMZ and SHP

These files each contain the same information about reservoirs in England. Following is a table that describes the fields in the CSV and SHP files. The KMZ file is attributed with the same fields, with the exception of EASTING and NORTHING.

Field	EA column	Notes
PUBLICNAME	Public Name	Name of reservoir
SITUATION	Situation	General geographic location
NATGRIDREF	National Grid Reference	British National Grid reference
EASTING		OSGB36 easting
NORTHING		OSGB36 northing
LAT		WGS84 latitude
LNG		WGS84 longitude
STATUS	Physical Status	In operation, Under construction, or Abandoned
UNDERTAKER	Undertaker Name	Value is [redacted] where Datadaptive cannot be confident the information is not personal data
UNDTYPE		Undertaker category added by Datadaptive
CATEGORY	Reservoir Category (Public)	Impounding or Non-impounding
YEARCOMP	Year Completed	
DAMTYPE	Primary Dam Type	
DAMCONST	Dam Construction	
DAMTOPLEV	Dam Top Level (mAOD)	
WATTOPLEV	Top Water Level (mAOD)	
DAMMAXHT	Max Dam Height Above Natural Ground level (m)	
CAPACITY	Capacity Above Natural Ground Level (m3)	
SURFAREA	Surface Area Of Reservoir At Top water Level (m2)	
ENGSTDATE	Appointment Start Date	Relates to the engineer
ENGAPPTTYP	Appointment Type	Relates to the engineer
ENGCURRENT	Current Appointment	Relates to the engineer
NEXTINSP	Next Inspection Date	
APPTRES	Appointed Reserve/Emergency	
RISKDES	Risk Designation (current)	High-risk, Not-high risk, or Not yet determined
OPSDIRPF	Operations Director (Public Facing)	
PFAREA	Public Facing Area	

OPSDIRWM	Operations Director (Water Management)	
WMAREA	Water Management Area	

Large Raised Reservoirs in Wales

File name: LRR_WAL_20230419
 Record count: 400
 Geographic coverage: Wales
 File format: CSV, KMZ and SHP

These files each contain the same information about reservoirs in Wales. However, the files for Wales include records for reservoirs with a capacity of 10,000 cubic metres or more.

Following is a table that describes the fields in the CSV and SHP files. The KMZ file is attributed with the same fields, with the exception of EASTING and NORTHING.

Standard terms used in the STATUS and RISKDES fields have been amended for compatibility with equivalent terms in the LRR_ENG_20230601 file.

Field	NRW column	Notes
RESID	reservoir_id	NRW ID
PUBLICNAME	reservoir_name	Name of reservoir
SITUATION	situation	General geographic location
NATGRIDREF	gridreference	British National Grid reference
EASTING	easting	OSGB36 easting
NORTHING	northing	OSGB36 northing
LAT	latitude	WGS84 latitude
LNG	longitude	WGS84 longitude
STATUS	reservoir_status	In operation, Under construction, or Abandoned
UNDERTAKER	undertakename	Value is [redacted] where Datadaptive cannot be confident the information is not personal data
UNDTYPE		Undertaker category added by Datadaptive
CATEGORY	reservoir_category	Impounding or Non-impounding
YEARCOMP	yearbuilt	
DAMCONST	construction_type	
LASTALT	datelastaltered	
DAMTOPLEV	topofdam_maod	
WATTOPLEV	topwaterlevel_maod	
DAMMAXHT	maxdamheight_m	
CAPACITY	raisedcapacity_m3	
SURFAREA	surfacearea_m2	
LASTINSP	lastinspectiondate	
NEXTINSP	nextinspectiondate	
FINALCERT	final_certificate	
RISKDES	dam_high_risk	High-risk, Not-high risk, or Not yet determined