

This project started with the 2009 discoveries in Charterhouse Cave; the desire to discover where we were very rapidly after each trip and how it related to the caves around us. The MCG was also working hard in Upper Flood and, like us, was very willing to share data. It rapidly became apparent that a program was needed that could keep up with the changes that were occurring in the data, Therion was chosen as one of the leading cave surveying software packages, that could morph the drawing when the centreline changed.

Most data in this repository is published under a [Creative Commons](#) license.



however please check individual files and folders for further information.

The data can be downloaded anonymously, to contribute data please contact Andrew Atkinson

Thanks to everyone that has allowed the use of the data to make this project possible.

## Published Surveys

The latest plan version of [Charterhouse, Tynning's Great Swallet and G.B.](#) in pdf format.

The Gough's Cave Survey (to 2013) [plan and elevation of the dry cave and downstream sumps](#) in pdf format.

The Gough's Cave Survey (to 2015) [plan and elevation of the whole cave](#) in pdf format.

The latest (December 2013) version of the [Reservoir Hole and White Spot Cave survey](#) in pdf format.

The 2004 survey of [Tynning's Great Swallet](#) in pdf format.

The 2011 survey of [Palmer's Cave](#) in pdf format.

The 2011 survey of [White Spot Cave](#) in pdf format.

The 2012 survey of [The Whitebeam Slitter Caves](#) in pdf format.

The 2013 survey of [Cooper's Hole](#) in pdf format.

The 2013 survey of [Gough's Old Cave](#) in pdf format.

The 2013 survey of [Great Oone's Hole](#) in pdf format.

The 2013 survey of [Long Hole](#) in pdf format.

The 2013 survey of [Bowery Corner Swallet](#) in pdf format.

The 2014 survey of [Spider Hole](#) in pdf format.

The 2016 survey of [Pig's Hole](#) in pdf format.

The 2016 survey of [Cutlers Green](#) in pdf format.

## Published 3D models

These require

- Aven (part of [Survex](#) ) which only reads .3d files but has better tools.
- Loc (part of [Therion](#) ) which reads both .3d and .lox files and has better visualisation and more information.

The [Cheddar Catchment Area Survey "Survex" 3D file](#) compiled by [University of Bristol Spelaeological Society](#)

The [Cheddar Catchment Area Survey "Therion" 3D file](#) compiled by the [University of Bristol Spelaeological Society](#)

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## Videos

The video and the wire frames below it are published under a [Creative Commons](#) license.



Reservoir: The Frozen Deep Video: Browsers seem to give different results, Chrome seems to work best.

```
{bo_videojs width=[720] height=[420] preload=[true] loop=[true]
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```

The video was produced by Andrew Atkinson.

Data collected on a fancy machine lent to us by Leica, if I knew what it was I would put up the information.

The triangular mesh data, provided after the scan are at (not sure what the differences are), provided courtesy of the Tuesday Diggers and Leica.

[Freeze.ply.zip](#)

[Freezea.ply.zip](#)

[Freeze.obj.zip](#)

## Contributors

The original data comes from the sources listed below. Plans based on this data have been published in some cases and the references are given with links where available. This is not a comprehensive list of previous published surveys, but only those based on parts of this dataset.

- Attborough Swallet: Data by kind courtesy of Trevor Hughes.
- Blackmoor Swallet, or Stainsby's Shaft: Data by kind courtesy of Alan Gray.
- Bone Hole: Data by kind courtesy of MCG and Andrew Atkinson.
- Charterhouse Cave: Data from P. & A. Moody and the Charterhouse digging team Pete Moody, Alison Moody, Pete Hann, John Cooper, Andrew Atkinson and Simon Flower. Plan originally published in [1984](#).
- G.B. Cave: Data from UBSS, plans originally published by UBSS in [1951](#), [1969](#) and [1984](#).

Ladder Dig extensions have been resurveyed and redrawn by Andrew Atkinson.

- Gough's Cave: Surveyed by UBSS/CDG 2010/11.
- Gough's Old Cave, Long Hole and Great Oones Hole: originally surveyed by W.I. Stanton. Available from [Mendip Cave Registry and Archive](#).
- Great Oone's Hole surveyed by Andrew Atkinson, Tony Boycott and Alison Moody in 2013, drawn by Andrew Atkinson and Graham Mullan.
- Grebe Swallet: Data from W.I. Stanton, plans originally published by UBSS in [1991](#).
- Longwood Swallet: Originally surveyed by MCG, drawn by Mike Rennie in 1961 and revised by Tony Knibbs in 1984. Available from [Mendip Cave Registry and Archive](#). Digitised by Phil Rowsell; Reynolds Passage digitised by Alex Crowe.
  
- Manor Farm Swallet: Originally surveyed by W.I. Stanton and published in [1974](#). Additional data supplied by P.L. Smart & T.C. Atkinson and a revised plan was published in [1999](#). Data on the 2010 extensions and including the Rifts and Ruckles kindly supplied by Phil Rowsell. This dataset does not include Sarum Inlet, discovered and surveyed by the Salisbury Caving Group.
  
- Palmer's Cave (Tynings Field Dig): Surveyed by Andrew Atkinson and Alison Moody 2011.
- Reservoir Hole: By courtesy of the Tuesday Diggers & UBSS.
- Rhino Rift: Originally surveyed by W.I. Stanton and published by WCC. This is original data kindly provided by Phil Rowsell.
- Spider Hole: Surveyed by Andrew Atkinson, Pete Hann and Adrian Vanderplank 2011.
- Totty Pot: Surveyed by UBSS 2005.
- Tynings Barrows Swallet: Originally surveyed by BEC and GSG, drawn by D.J. Irwin and published by BEC. Available from [Mendip Cave Registry and Archive](#). Digitised by Alex Crowe and Andrew Atkinson.
  
- Tynings Great Swallet: Data from Tony Boycott. Survey originally published in [2005](#).
- Upper Flood Swallet: All data by kind courtesy of the MCG. The original survey is available from [their website](#).
- Waterwheel Swallet: Data from W.I. Stanton, plans originally published by UBSS in [1987](#).
  
- White Spot Cave: Surveyed by Andrew Atkinson and Graham Mullan 2011.
- Wigmore Swallet: Data by kind courtesy of Trevor Hughes and Chris Jewell.
- The surface survey has been generated by Mike McCombe's [TerrainTool](#); additional information from Bill Chadwick.

Thanks are due to all the above. Most of the technical stuff has been done by Andrew Atkinson; Graham Mullan typed in much of the archive data.