



site 4043: **Torca de los Caños**
 Villaverde de Pontones ETRS89: 30T 443552 4805708 Altitude: 55m
 Surveyed system length: >4682m Depth: 36m Vertical range 50m

site 4042: **Cueva Riocueva**
 Hoznayo ETRS89: 30T 443267 4805537 Altitude: 27m

site 4085: **bottom entrance**
 Hoznayo ETRS89: 30T 443265 4805528 Altitude: 21m

site 4088: all-weather resurgence (choked)
 Hoznayo ETRS89: 30T 443239 4805513 Altitude: 13m

site 4084: Entrance 4 (now capped)
 Villaverde de Pontones ETRS89: 30T 443668 4805665

site 4086: small cave
 Hoznayo ETRS89: 30T 443264 4805531 Altitude: 21m

site 4087: wet weather resurgence (choked)
 Hoznayo ETRS89: 30T 443262 4805530 Altitude: 18m

Map data from <http://mapas.cantabria.es/>

Drawn in *Inkscape*: Juan Corrin Version: 2014-03 (9/12/14; 19/12/14)

Mafienzo Caves 2014

This version can be downloaded at ...

The latest version can be downloaded at ...

QR codes for photographs shown on the survey act both as conventional codes and links to the photo when clicked. QR code positions are in the approximate vicinity of where the photos were taken.

Photographs by *Juan Corrin, Nigel Dibben, Peter Eagan, Phil Papard*
 Videos by *Juan Corrin*

Survey batch details

Survey grades: Most batches aim for BCRA 5c or UISt 5-3-B. Distot surveys tend to be more accurate.

Date	Description	Surveyors	Drawn by	Date	Notes
2012-14-01	Section around Francisco	Juan Corrin, Peter Corrin	Juan Corrin	20/09/2014	
2012-14-02	Section from Torca to Cueva Riocueva	Phil Papard, Peter Eagan	Phil Papard	20/09/2014	checklist
2012-14-03	Section from Cueva Riocueva to Torca	Alexander Neill, Peter Eagan	Alexander Neill	20/09/2014	
2012-14-04	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	20/09/2014	
2012-14-05	Section from Torca to Cueva Riocueva	Juan Corrin, Peter Corrin	Juan Corrin	20/09/2014	
2012-14-06	Section from Torca to Cueva Riocueva	Juan Corrin	Juan Corrin	15/07/2014	Sketch of Yeso end
2013-14-01	Section from Torca to Cueva Riocueva	Juan Corrin, Alexander Neill	Juan Corrin	17/07/2014	
2013-14-02	Section from Torca to Cueva Riocueva	Alexander Neill, Juan Corrin	Juan Corrin	15/09/2014	
2013-14-03	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-04	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-05	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-06	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-07	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-08	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-09	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-10	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-11	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-12	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-13	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-14	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-15	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-16	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-17	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-18	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-19	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-20	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-21	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-22	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-23	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-24	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-25	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-26	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-27	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-28	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-29	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	
2013-14-30	Section from Torca to Cueva Riocueva	Alexander Neill, Peter Eagan	Alexander Neill	15/09/2014	

Torca de los Caños

Cueva Riocueva

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