CUEVA VALLINA

Sites 0733, 4347, 0753, 5135. Arredondo, Cantabria, Spain.
Top entrance #0733: 30T 0.450.017 4.792.407 Altitude 412m. Bottom entrance #4347: 30T 0.450.744 4.792.364 Altitude 312m. Datum ETRS89.
Surveyed with the intention of BCRA grade 5c, 1989 - now, by Matienzo Caves Project, Espeleo Club Tortosa, AA.E.E.T. Valls and members of the Vallina Cave Exploration group.

Length 40259m Depth 288m (includes Rasa. Rasa not shown on this survey.)
(length includes approx 135m surveyed by ECT, AA.EE.T.V not drawn on this survey)

Drawn by Alasdair Neill in *CorelDraw* 2002 - April 2016;
Juan Corrin, in *CorelDraw* 2016 - 2022, then *Affinity Designer* 2022 - now

Selected adjacent sites (some with site surveys) shown on the survey and listed north to south. Many of the surveys are by the Speleo Club de Dijon, supplied by Guy Simonnot.

shaft 2393
Torca Tortilla (1333)
Torca del Zorro (0684)
Torca de la Vaccinación (1128)
Torca del Somo (0949)
Torca de la Junquera (Arcillosa) (0055)
Cueva de Arredondo (0042)
sin 1710 (SCD2017/1)
sin 1711
Torca de la Acacia (1751, SCD2011)
Torcon de Marca (Cueva Remota)(0052, SCD2004)
Torca de la Cerca (1752, SCD2014)
Cueva de la Rasa (5133, SCD5148)
Hoyo de Rotura (0752, SCD2014)
Torca de la Cabaña (1753, SCD2014) to come
Sumidero de los Hocesv (1350, SCD2013)
Torca de Tantas Noches (4348, SCD2106)
cave 1623

SURVEY VERSION 0733-2025a-01

Latest included survey batches:
Batch 25-06 (Shutter Passage) and 25-08 (at the Corkscrew Climb).

Centre line in context | Current description | Current survey

VALLINA CAVE EXPLORATION

ESPELEO CLUB TORTOSA

SCALE METRES
0 50 100 200

Blue grid squares have a side of 50m.
Grid coordinates datum is ETRS89 / WGS84

Matienzo Caves Project

Note:
In 2021, surveying by the ECT Vallina Project connected the Tocadome to "enters large shaft" (see earlier surveys). The connecting points appeared to be about 90m apart on the drawn master survey.
The following points have been *EQUATE'd, viz.
`*EQUATE 0733-21-05.e2.0 19958.2011; large shaft`
`*EQUATE 0733-21-05.e2.10 1994e.1419; Base of Tocadome approx.`

A second issue is the quality / reliability of the '94, '95 and 2021 survey data. The data from the resurveyed passages often differs wildly from the previous survey - certainly bearings are different and possibly lengths.
The new centre line for New York City (21-06) illustrates this problem.
The '21 data in 21-05 has been *EQUATE'd in 4 extra spots in order to make old and new survey "agree".

JC 15/6/2023

NOTES
2016.01 Other sites include information from Matienzo Caves Project and Speleo Club de Dijon surveys.
2016.02
In October 2016, the top entrance on the survey was fixed and the bottom entrance was not fixed. Due to surface surveys at Easter 2016, which were tied onto recognisable surface features from aerial photos, the top (#0733) and bottom entrances (#4382) are now fixed using datum ETRS89 (UTM zone 30T). The top entrance is 412m and the bottom 312m altitude. 110m respectively (although the altitudes do not agree with the map!).
(b) The consequence is that there is now a loop between top and bottom entrances and, along the length of the cave, the passages are further north to the east; the passage centre line has moved and no longer fits the drawn cave survey.
There are significant differences between the drawn survey and centre line station positions - see comments.
(c) A decision has been taken to fit new passages locally around the centre line and not completely re-survey the cave. Therefore new passages in the future may require a complete redraw of the surveyed cave, perhaps. Therefore
(d) The stand-alone centre line in Survex should be used for (probably) more accurate positions and the drawn survey for passage detail and shape. The drawn survey shows passage detail and the approximate positions and relationships.
2021: ECT et al explorations batches 21-01, -02, -03, -04
(a) 21-05 has a note at the top of this survey.
(b) 21-06 Requires further information.
2022 (a) Addressing the previous concerns, the Vallina survey has been completely revised and redrawn in *Affinity Designer* v.1
- The Survex centre line network has been copied and manipulated to generally fit the Survex centre line: 0733-2304-3.3d.
- There may be instances where the earlier drawings have been misinterpreted or features and passages missed.
- There are instances of conflicting centre lines, e.g. around 17A Junction, which can only be resolved with more underground inspection and survey.

(b) Explorations of the Cave Pearl (22-01), Gypsum Paradise (23-02), Gypsum Paradise (23-03), Lunch (24-04), (24-05) and (24-06), (24-07) (24-08).
There are also notes on the survey and in the descriptions about unsurveyed explorations carried out by Dave Gregory, Andrew Atherton, Andrew Sparrow, Dave Lowe, Ian Watson, Sarah Pearce-Drake, Steven Pearson "Mike" Jones, Lilo Jones, Will Pearson, Rosie Jones, Noreen, Road to Glory, Abyss 2, Tocadome, Waterfall Inlet.
(c) 22-09 Batch 22-09 (Rasa Trap) and 2 entrance batches 22-02 (Lost & Unseen Chambers), 22-03 Stamp 4 inlet. Batches 23-04 and 23-05 aff Canyon streamway.

2023 (a) Addressing the previous concerns, the Vallina survey has been completely revised and redrawn in *Affinity Designer* v.1
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- There are instances of conflicting centre lines, e.g. around 17A Junction, which can only be resolved with more underground inspection and survey.

(b) Explorations of the Cave Pearl (22-01), Gypsum Paradise (23-02).
2024. Addressing (a) (24-01), (24-02) (24-03) and (24-04), (24-05) (24-06).
There are also notes on the survey and in the descriptions about unsurveyed explorations carried out by Dave Gregory, Andrew Atherton, Andrew Sparrow, Dave Lowe, Ian Watson, Sarah Pearce-Drake, Steven Pearson "Mike" Jones, Lilo Jones, Will Pearson, Rosie Jones, Noreen, Road to Glory, Abyss 2, Tocadome, Waterfall Inlet.
(c) 24-07 Batch 24-07 (Rasa Trap) and 2 entrance batches 24-02 (Lost & Unseen Chambers), 24-03 Stamp 4 inlet. Batches 23-04 and 23-05 aff Canyon streamway.

Sisters of Perpetual Indulgence
1. Over 2015-2016, the high level SoPI extension was explored. This connects down to the streamway downstream of sump 5.
2. The streamway upstream of sump 5 has been explored and surveyed.
3. There appears to be errors in the original survey passages across as the upstream end of the 2015 extension hadn't as has been "disconnected" from the rest of the survey. Also, the original survey has been redrawn in the new survey (including loops).
4. The consequences in Survex:
   a. The connection point of sump 5 is now 73m 224 degrees from the 0733-mainstream position.
5. In the Affinity Designer (previously CorelDraw) survey:
   a. Sump 5 is the old survey sump (Sump 5 Old, Report Shot data).
   b. Sump 6B is the old survey sump separated by 11.65 data.
   c. The passage from sump 5 to 7A has been separated and rotated to line with upstream 0733-mainstream survey.

Original survey and resurvey by the 2021 Vallina Project connected the Tocadome and new passage to the east (Galeria Blanca).

Jochen's Aven and Zaico's Shaft

Ossario Horseshoe Tent - Survey Shot

Batch 24-01 original drawing

Batch 24-01 original drawing

Cobra Passage - Crystal Cave

Batch 24-01 original drawing

Batch 24-01 original drawing

Batch 24-01 original drawing