VALLINA IV

temporary - waiting confirmation

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.

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*EQUATE 0733-21-05.s2.0 19958.2011; large shaft
*EQUATE 0733-21-05.s2.10 1994e.1419;  Base of Tocadome approx.
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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

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 44,482m Depth 288m (includes Rasa. Rasa not shown on this survey. Includes batch Vallina_IV_v1)
(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 Torrilla (1333)
Torca del Zorro (0684)
Torca de la Zarzamora (0128)
Torca del Sonso (0040)
Torca de la Junquera (Arcelleno) (0055)
Cueva de Arredondo (0042)
Cueva Vallina (SC/D101)
site 2146
Torca de la Acteila (1751, SC/D311)
Torcon de Misera (Cueva Retrero)(0052, SC/D304)
Torca de la Rasa (0733, SC/D101)
Cueva de la Rasa (5135, SC/D314R)
Hoyo de Rotura (0752, SC/D314)
Sumidero de los Cuatro Vientos (1, to come
Sumidero de los Hayones (1350, SC/D313)
Torca de Tartas Noches (4340, SC/D106)
cave 1823

SURVEY VERSION
0733-2026s-04

October 7th 2026

Latest included survey batches:
✔ Cowboy Aven 26-06
✔ Notes re PG Tips Chamber and G-spot.
VCE extensions x 5
✔ Tocadome Superior,
✔ Río Norte TEMPORARY
✔ El Cagandre and
✔ VALLINA_IV_v1 (Sormis, etc) TEMPORARY

NOTES

2016.01 Odespeleo include information from Matienzo Caves Project and Speleo Club de Dijon surveys.
2016.02
(a) Before 2016, the top entrance on the survey was fixed and the bottom entrance was not fixed. Due to surface subsidence, the GPS position of the top entrance moved significantly between 2014 and 2016 whereas the bottom entrance (#4382) are now fixed using distos CF8/468 at 30T 0450017 4792407 altitude 412m and 30T 0450744 4792364 altitude 310m respectively (although the altitudes do not agree with the map!).
(b) Cueva de la Rasa entrance (#5135) is now fixed using a Leica GPS and the position of the rather old and now large bolthole north in the cave, the passage entries 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 note (d).
(c) Cueva de la Rasa has been re-surveyed by Matienzo Caves Project and Espeleo Club Tortosa between the pre-2016 passages. New passages in the Hanoi zone require a complete redraw of the survey using, perhaps, Therion.
(d) The stand-alone centre line in Survex should be used for (probably) more accurate positions and relationships between passages and surface features. The drawn survey shows passage detail and the approximate positions and relationships.
(e) 2016 - 5 of explorations batches 21-01, -02, -03, -04
(e) 21/05 has a note at the top of the survey.
(b) 21-06 Requires further information.

2022
(a) Addressing the previous concerns, the Vallina survey has been completely revised and redrawn in *Affinity Design* v2.
• Alasdair Neill's original artwork has been copied and manipulated to generally fit the Survex centre line, 0733-

2024
(a) Batches 23-01, 23-02 and 23-03 are Survex files containing the Matienzo Caves Project and Espeleo Club Tortosa surveys carried out in 2023, documented in Mimosys explorer.exe Vallina 2023. There are La Pita, Battleh Passage choke, Tetrate Passage "new" aven, 3 Acorn aven, 60ft Pontón Passage, Road to Nowhere, Road to Glory, Move 2, Toadstone, Waterfall hole.
Addition of batch 24-06, 052' drum, west of Alis' Aven. See note on the survey.
(b) Batch 24-07 contains the Matienzo Caves Project explorations batches: 23-02 (Late & Unicorn Chambers), 23-03 Sump 6 inlet, 24-01, 24-02 and 24-04 (all aven and connection batches).
2026: Batch 26-01, 26-02 (at the Confusion Climb). Only centre line for batches 26-02, -04, -05 (Rootsnoz Passage, Cowboy Aven 26-06, Tetrate Pt2 Tips Chamber and Cagandre 4 VCE extensions: Toadstone Superior, Río Norte, El Cagandre and VALLINA IV (Sormis, etc). TEMPORARY

Centre line in context | **Current description** | **Current survey**

SCALE METRES
0 50 100 200

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

Matienzo Caves Project

VALLINA CAVE EXPLORATION

ESPELEO CLUB TORTOSA

< 50m grid squares >

down pitch
aven
boulders sloping down, may be a stream
mixed sediments and calcite / flowstone with an easterly draught
survey station with batch and station number
cross section looking along the passage in the arrow direction
abbreviations: sh choke c climb
The colour scheme shows approximate levels: red high, through orange and green to blue for deepest sections. Mar. offset is shoreline.
The shades correspond roughly to those colours shown in Survex.
Major systems are allocated to Greek systems, "levels".
The shades help to differentiate overlapping passages.