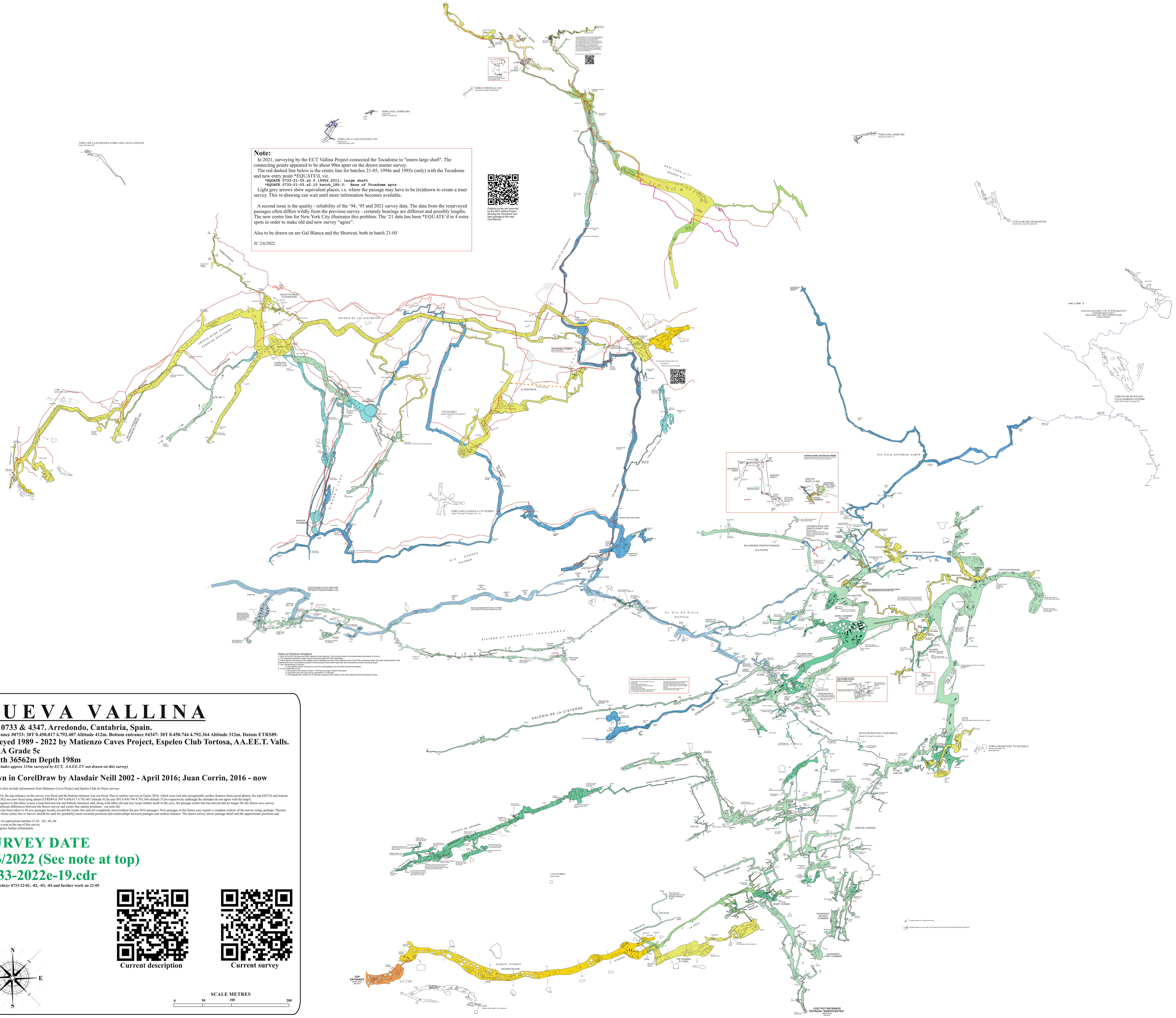
TORCA DE LA JUNQUERA (TORCA DEL AVELLANO) 055
length 150m depth 43m
TORCA DE LA VACUNACION 1128
altitude 614m
length 288m depth -130m
TORCA DEL ZORRO 484
altitude 620m
length 77m, depth 56m
TORCA TORTILLA 1333
altitude 625m length 35m depth 28m
GALERIA MAÑA
SALA SUPERIOR
NEW YORK CITY
GALERIA N. Y.
TORCA DEL SOMO 049
altitude 672m depth 77m
CUEVA DE ESCARABAJO 043
altitude 620m length 105m depth 34m
GALERIA DE LA GRANOTA
COBRA PASSAGE
HELECTITE MAZE
on several levels
GALERIA DE LOS ELEFANTES
CRYSTAL RIVER PASSAGE
PASSATGE DELS VIDRES
KINGSDALE PASSAGE
THORNTON FORCE (p+6)
BUTTERFLY PASSAGE
PASSATGE DE LA PAPALLONA
CRUMBLE PASSAGE
FROG PASSAGE
THE NOVADOME
THE PASSAGE THAT TURNED TO JELLY
SIMEON'S LOOP
FIRST OXBOW
BERGER CHAMBER
QUICKSAND INLET
WATERFALL INLET
WALKIE TALKIE PASSAGE
THE TOCADOME
The Second Abyss
Connection (1,2/8/21)
See note above
EL PENITENTS
1755 SCD2017
altitude 625m length 20m depth 20m
GAL BLANCA
ROPE CLIMB SERIES
HALE-BOP TRAIL
TOC GALLERY
RIO BLANCO
RIU BLANC
TORCA DE LA AZUELA 1751 SCD2011
altitude 573m length 157m depth -43m +11m
RIO GRANDE
RIU GRAN
Breakthrough Chamber
SUMP 1
SUMP 2
SUMP 3
SUMP 4
SUMP 5
SUMP 6A
SUMP 6B
Sumps passage distorted and re-orientated
(See Sisters of Perpetual Indulgence note)
SISTERS OF PERPETUAL INDULGENCE
Quaking Traverse
Pantaloon Junction
Betty Stoggs' Boudoir
EL RIO DE RIOJA
RIU RIOJA
WHERE THE RIOJA GOES
GALERÍA DE LA CISTERNA
STREAM PASSAGE
RIO RIOJA UPSTREAM SUMPS
VALLINA 3
Centre line survey (batch 17-02, 7th & 8th August 2017)
of passage beyond sump 5.
Rises steeply (over 100m in altitude) through
a large chamber.
TORCON DE MUESA 052
CUEVA BORNEA SCD2004
altitude 565m length 211m depth 45m
SIX HUNDRED PESETAS PASSAGE
ELS GOURS
JOCHEN'S AVEN +26m
ZARCO'S SHAFT -53m
NOVEMBER PASSAGE
AMAZING STAL CHAMBER
DUTCH CIRCUIT
DOUBLE DUTCH PITCH
UPSTREAM DUTCH PITCH PASSAGE
LA PITA
BROKEN TOOTH
BATHTUB PASSAGE
FN PASSAGE
FN JUNCTION
SWIRL CHAMBER
SALA PIN
AVINGUDA DE LA SORRA
DECORATED CHAMBER
GALERÍA JESÚS LECUE
ROAD TO GLORY
CAMI DEL NORD
THE MAN TRAP
BIRDSWORLD
LA ZONA BLANCA
FISH MOUTH
CANYON SUMP PASSAGE
HOYO DE ROTURA 752(SCD2014)
altitude 365m length 50m depth 24m
TORCA DE ROTURA 753 (SCD2013)
altitude 418m depth 71m
(plan displaced)
CLAPHAM BYPASS
THE CANYON
ROAD TO NOWHERE
DANGEROUS CHAMBER
L'EMPEDRAT
BARNEY RUBBLE'S URANIUM MINE
SHATTER PASSAGE
TITS UP
ZONA DE LA MASSA
GALERÍA DE GERMÁN
MOLLUSC MAGIC
SHOPPING TRIP
WHO KNOWS? CHAMBER
WHERE WHO KNOWS? GOES
1721(VT9802)
altitude 500m
WINDY CORNER
B-FLAT PASSAGE
LA UNIÓ
HAYMARKET SECOND CHAMBER
HAYMARKET FIRST CHAMBER
THE CHUNNEL
EL TUNEL
GLITTER RUN
SUNDAY STOMPS
GALERIA VALLINA
TOP ENTRANCE
altitude 412m
site 0733
1823
altitude 398m length 214m depth 8m
LOST POT ENTRANCE
ENTRADA "NOSPOTENTRA"
altitude 315m
site 4347
passages redrawn from original drawn survey
passages drawn from survey notes or where original survey has been checked and detail revised underground
N
E
S
W
SCALE METRES
0
50
100
200

Note:

In 2021, surveying by the ECT Vallina Project connected the Tocadome to "enters large shaft". The connecting points appeared to be about 90m apart on the drawn master survey.

The red dashed line below is the centre line for batches 21-05, 1994s and 1995s (only) with the Tocadome and new entry point *EQUATE'd, viz.

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*EQUATE 0733-21-05.s2.0 1995S.2011; large shaft
*EQUATE 0733-21-05.s2.10 batch_189.0;  Base of Tocadome aprx
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Light grey arrows show equivalent places, i.e. where the passage may have to be (re)drawn to create a truer survey. This re-drawing can wait until more information becomes available.

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 illustrates this problem. The '21 data has been *EQUATE'd in 4 extra spots in order to make old and new survey "agree".

Also to be drawn on are Gal Blanca and the Shortcut, both in batch 21-05

JC 2/6/2022

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

A comprehensive resurvey of the passage heading north from *Galería N. Y.* was carried out by the *Vallina Project* team in the summer 2021. This is batch 0733-21-04, including a section of new passage shown above on this master survey. The complete batch 21-04 survey, drawn by Vicente Barraquet, can be viewed online. Much more passage detail is shown, especially in the un-named chamber above the streamway. (It should be included here when the *EQUATE issues have been resolved.)

http://matienzocaves.org.uk/surveys/0733-21-04-ECT.pdf

A new passage surveyed in batch 21-05: GAL BLANCA. Original survey to be incorporated.

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 between sumps 5 and 6 was resurveyed as 0733-mainstream.
3: There appear to be errors in the original sumps passages surveys so the upstream end of the 0733-mainstream batch has been "disconnected" from downstream sump 5 and reliance placed on the accuracy of the newer high level and mainstream surveys (including loops).
4: The consequences in Survex:
    a: the original position of sump 5 is now 73m 224 degrees from the 0733-mainstream position.
5: In this CorelDraw survey:
    a: Sump 6A is now based on batch 17-05 resurvey data. (Rupert Skorupka)
    b: Sump 6B is the old sump survey appended to 17-05 data.
    c: The passage from sumps 2 to 5 has been squashed and rotated to link with upstream 0733-mainstream survey.

NOTES for below the Man Trap and into Galeria de Cisterna, inspected 28/7/18

A Slope down to corner gets tight. Can see into blind pit.
B 14m climb choked with stal.
C Aven climbed to 10m. Next 10m needs bolting (fairly simple).
D Climb down 3m chokes.
E Narrow climb down muddy rift leads to ~p10 to a rock bridge. The pitch continues c20m (undescended). A good voice connection was made with passage below (batch 18-01).
G A narrow climb down leads to rabbit-sized hole with a good draught. Long term blasting required.
H A sandy, short crawl, excavated until becomes far too low / chokes.

Jochen's Aven and Zarco's Shaft

Surveyed with DistoX by Diane Arthurs and Simon Cornhill as batch 0733-19-02, 27th July & 5th August 2019.

JOCHEN'S AVEN

ZARCO'S SHAFT

ZARCO'S SHAFT -8,-45m

JOCHEN'S AVEN +26m

6-WAYS CHAMBER

section

plan

JOCHEN'S AVEN +26m
ZARCO'S SHAFT -53m
with further drops.
(Centre line could be in the wrong position. Or drawing is wrong. See 3d file. Green line should be across pitch / aven? Drawing above)

Lower passage surveyed from stn 18-02.12 on stal. Offset at double scale.

Offset at double scale.

CUEVA VALLINA

Sites 0733 & 4347. 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 1989 - 2022 by Matienzo Caves Project, Espeleo Club Tortosa, AA.EE.T. Valls.
BCRA Grade 5c
Length 36562m Depth 198m
(length includes approx 135m surveyed by ECT, AA.EE.T.V not drawn on this survey)

Drawn in CorelDraw by Alasdair Neill 2002 - April 2016; Juan Corrin, 2016 - now

NOTES

2016.01 Other sites 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 surveys at Easter 2016, which were tied into recognizable surface features from aerial photos, the top (#0733) and bottom entrances (#4382) are now fixed using datum ETRS89 at 30T 0.450.017 4.792.407 altitude 412m and 30T 0.450.744 4.792.364 altitude 312m 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 with other old and new loops further north in the cave, 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 note (d).
(c) A decision has been taken to fit new passages locally around the centre line and not completely move/redraw the pre-2016 passages. New passages in the future may 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.
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

SURVEY DATE
4/6/2022 (See note at top)
0733-2022e-19.cdr

Latest batch(s): 0733-22-01, -02, -03, -04 and further work on 21-05

Current description

Current survey