4801: shaft
Riva 30T 4538484793985 (Datum: ETRS89. Accuracy code: G) Altitude 359 m Length 10 m Depth 5 m Area position

This site is in a large depression below the track from Cruz Usaño. A rift at the bottom of the depression appears to take water in of the depression appears to take water in wet weather. A 5 m climb using a hand line lands in the bottom of a choked chamber. There is a goat skeleton but no draught. A
second way back to the surface could be second way back to the surface could be
seen. seen.
References: anon., 2018c (summer logbook)
Entrance pictures: Entrance pictures Underground pictures

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ideo :
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Detailed survey
Line Survey:

On area surve Survex file :

X
4802: hole
S Vega 30T 4502944794847 (Datum: ETRS89 Accuracy code: G) Altitude 455 m Depth 2 m Area position

Updated 10th January 2022
One of a set of three holes just below the track not far from Torca de Azpilicueta, the other being sites 4803 and 4804. A small, unfenced depression with a 2 m deep tiny slot at the bottom where stones roll and drop beyond what can be seen.

## References: anon., 2018c (summer logbook)

 anon., 2021f (Christmas logbook) Underground pictures : Video: December 2021 (YouTube - at end of video) Detailed survey Line SurveyOn area survey
Survex file :
X
4803: shaft
S Vega 30T 4502894794845 (Datum: ETRS89 S Vega 30T 4502894794845 (Dat
Accuracy code: G) Altitude 455 m Accuracy code: G) Altit
Length 4 m Depth 3 m Area position

## Updated 10th January 2022

One of a set of three holes just below the track not far from Torca de Azpilicueta, the other being sites 4802 and 4804 .
Immediately to the west of \#4802. This 5 m immediately to the west of \#4802. This 5 m barbed wire. It drops 3 m to where the way on is too narrow and choked..

References: anon., 2018c (summer logbook);
anon., 2021f (Christmas logbook) References: anon., 2018 C (summer Entrance pictures : August 2018 Underground pictures Video : December 2021 (YouTube)
Detailed survey: Line Survey: On area survey Survex file :

X
4804: shaft
S Vega 30T 4502974794835 (Datum: ETRS89. Accuracy code: G) Altitude 457 m
Depth 6 m Depth 6 m
Area positic Area position

Updated 10th, 17th January 2022
One of a set of three holes just below the track not far from Torca de Azpilicueta, the others being sites 4802 and 4803 . This rift is the closest to the track, surrounded by 9 metal posts and barbed wire. Stones drop about 6 m into an echoing space below. A 6 m descent lands on rotting carcasses with the way on too tight.

References: anon., 2018c (summer logbook); Entrance pictures : August 2018, December 2021 Underground pictures

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Video : December 2021 (YouTube)
```

Detailed survey
Line Survey
On area survey
Survex file :
X

4805: dig
La Secada 30T 4530084798310 (Datum: ETRS89.
MATIENZO UNDERGROUND - site descriptions (printed 19002/2024
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## Length 5 m Dep

 Area positionUpdated 18th May, 21st September 2019
A strongly draughting hole by the track This was excavated on a number of occasions over the summer 2018 and Easter 2019 where the shored shaft was left about 5 m deep with more materials ready to carry on the work. Excavations in the summer 2019 encountered a small "chamber" on the uphill side and included pinning some
und uphill side and included pinning some
potentially loose boulders. Work continues.

References: anon., 2018c (summer logbook); anon., 2019b (Easter logbook); anon., 2019d Entrance pictures : August 2018 \& 2019 : IR Entrance pictures : August 2018 \& 2019 : IR
pictures, August 2019 Underground pictures: August 2018 \& 2019 Video : August 2019 (YouTube)
Detailed survey Line Survey : On area surv
Survex file :

4806: shaft

A fenced feature seen from the Fuente las Varas road past the sub-station. Ther Varas road past the sub-station. There
appears to be a number of posts around it appears to be a number of posts around it and it's probably a shaft

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\begin{array} { l } { \text { References: anon.,} } \\ { \text { Entrance pictures:} } \end{array}
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Entrance pictures :
Underground pictures
Underground pictı
Video:
Detailed surv
Detailed sur
Line Survey
On area sur
On area sur
Survex file
4807: shaft
Coterón las Llanas 30T 4515524798562 (Datum
ETRS89. Accuracy code: M) Altitude 485 m
Area position

A fenced feature seen from the Fuente las Varas road past the sub-station. Ther appears to be a small number of posts around it and it's probably a shaft

References: anon., 2018c (summer logbook)
Entrance pictures :
Underground pictures Video :
Detailed survey Line Survey: On area sur Survex file

4808: cave (2387 (French: SCD)) Arredondo 30T 4497484792490 (Datum: ETRS89, Arredondo 30T 4497484792490
Accuracy code: M) Altitude 473 m Accuracy code: M) Altitu
Length 30 m Depth 9 m Length 30 m
Area position

Updated 24th May, 1st October, 19th November 2022

The information below has been roughly translated from the French, Spéléo-Club Dijou reference, from the French, Speleo-Clut
Simonnot G, 2018 and 2022.

A beautiful descending entrance leads into a room with concretions (large pendants) a room with concretions (large pendants) To the south, he conduit is unfortunately
quickly interrupted by collapsed blocks and quickly interrupted by collapsed blocks and stalagmitic filling. To the north you can sli, into a fracture and access two successiv voids in a very broken zone. A cracl descending about 4 m remains to be seen (no draft)

A calcited antler was discovered when the cave was visited in May 2022

References: Simonnot G, 2018; anon., 2022b References: Simonnot G, 2018; and
(Easter logbook); Simonnot G, 2022 Entrance pictures : 2022 Underground pictures: 2022 Video :
Detailed survey Line Survey: On area survey
x
4809: shaft (2388 (French:
SCD)

At the edge of the track to Colorado. A small 2.5 m pitch intersects a meander. (To be reviewed)

References: Simonnot G, 2018; Simonnot G, 2022
Entrance pictures:
Underground pictures : Video:

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Detailed s
\[
\begin{aligned}
& \text { Detailed survey: } \\
& \text { Line Survey : }
\end{aligned}
\]
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Line Survey:

$$
\begin{aligned}
& \text { On area surve } \\
& \text { Survex file : }
\end{aligned}
$$

Survex file :
x

4810: shaft (2389 (French:

## SCD)

Arredondo 30T 4502594792416 (Datum: ETRS89. Accuracy code: M) Altitude 415 m Length 2 m Depth 2 m Area position

Updated 19th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.
At the edge of the Colorado Trail. There are blocks to remove at a p2.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures : Underground pictures Video:

## Detailed sur

Line Survey :
On area surve
Survex file :
x
4811: Campas, Cueva de (2400
(French: SCD))
Alisas $30 T 4469974793521$ (Datum: ETRS89.
Accuracy code: M) Altitude 527 m Accuracy code: M) Altitude 527 m Length 85 m Depth 5 m Area position

Updated 19th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

There was possibly Tortosa exploration in the 90's up to where the cave become narrow. The site draughts. Topography by Patrick Degouve, Guy Simonnot May 2016.

The cave was extended in 2016. After a narrow point, the conduit is barred by a lond stalagmitic crust forming a bench in the middle of the passage. After 4 hours of work, 3 m was gained. The route is almos clear but requires crawling in the water unless you enlarge the ceiling a little more. To be continued...

References: Simonnot G, 2018; Simonnot G, 2022 Entrance picture : September 2016 Video : Detailed surve
Line Survey : Line Survey :
On area surve On area sury
Survex file :

X
4812: shaft (2403 (French:
SCD)
Alisas 30T 4467144793920 (Datum: ETRS89 Accuracy code: M) Altitude 512 m Length 5 m Depth 3 m Area position

Updated 19th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference,
Simonnot G, 2018 . from the french, Sp
Simonnot G, 2018.

The gently sloping channel of the entrance is quickly blocked as it reaches a more sandy level. (Simonnot G, 2022 has SCD2403 as MCP4813)

References: Simonnot G, 2018; Simonnot G, 2022 References: Simonn Entrance pictures:
Underground pictures Video: Detailed survey
Line Survey: Line Survey On area surve Survex file :
x
4813: shaft (2405 (French: SCD)
Alisas 30T 4473004792781 (Datum: ETRS89 Accuracy code: M) Altitude 517 m Depth 6 m
Area positic Area position

Updated 19th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, MATIENZO UNDERGROUND - site descriptions (printed $19002 / 2024$

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monnot G, 2018.
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A few meters above the road to the Col de
Alisas
A large entrance (10 x 3 m ), surrounded
by stakes and barbed wire, extending at its
southern end by a pitch estimated at 6 or 7
m.
The opening is at the edge of Coloradd
sandstone with the top of the Vallina
limestone.
References: Simonnot G, 2018; Simonnot G, 2022
Entrance pictures
nderground pictu
Video:
Detailed sL
Line Survey :
On area survey
Survex file

4814: Cerrada, Cueva (2427
Accuracy code: M) Altitude 523m
Length 1 m
Updated 19th November 2022
The information below has been roughly translatec
from the French, Spéléo-Club Dijon reference,
from the French,
Simonnot $G, 2018$.

65 m south of the Cueva de las Campas (MCP4811 / SCD2400), at the foot of the same limestone corniche. A fissure originally obstructed by blocks and earth topped with a pile of native stones. In rainy topped with a pile of native stones. I
weather the sound of a water flow is particularly evident and motivated work particularly evident and motivated works. Une conduit, however, appears to be small.
Unlike the cueva de Campas no water outlet Unlike the cueva de Campas no water outlet is visible here.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance picture : September 201 Video :
Video :
Detailed sur
Line Survey
On area survey
On area sur
Survex file

4815: Bidón, Sumidero de (2434 (French: SCD))
Alisas 30T 4469334793460 (Datum: ETRS89.
Accuracy code: M) Altitude 503 m
Accuracy co
Length 1 m
Area positio
Updated 19th November 2022
The information below has been roughly translated
The information below has been roughly trans
from the French, Spéléo-Club Dijon reference,
from the French, S/
Simonnot $G, 2018$.
Sink of the stream coming from the
cueva de las Campas (MCP4811
SCD2400). Probably part of the the Fuente
Comellante catchment

References: Simonnot G, 2018; Simonnot G, 2022 Entrance picture : September 2016
Video:
Detailed survey
Line Survey
On area survey
Survex file

4816: sink (2435 (French: SCD)) A816: Accuracy code: M) Altitude 358 m Area position

## Updated 19th November 2022

The information below has been roughly translated from the French, Spéléo-Club Dijon reference Simonnot G, 2018

Below Vallina, 150 m south of the Cueva Cisterna. The sink is impenetrable but nearby there is a pitch of 5 or 6 m with earthy walls (no obvious draught, recent collapse?) 450,027 4792,483? -4 + The loss is in contact with the summit of the sandstones (sandstone of Llaneces) and the base of the limestones of Vallina. Like the flows of the Cueva de la Vallina it must probably feed the hydrologic system "Comellante"

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures

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Underground picture
```

Video :
Detailed survey
Line Survey
On area survey

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## 4817: Monolito, Sumidero de

 (2439 (French: SCD)) Arredondo 30T 4508634792754 (Datum: ETRS89 Arredondo $\begin{aligned} & \text { Accuracy code: M) Altitude } 354 \mathrm{~m}\end{aligned}{ }^{\text {An }}$. Area position
## Updated 19th November 2022

The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

A sinkhole in the bottom of a sinkhole on the edge of a meadow - a small cluster of blocks from which a strong current of fresh block aii Beginning of clearing, but very quickly the cavity appears as a big hole to empty which will require a lot of work.
References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures Underground pictures
Detailed survey
Detailed surve
On area survey :
Survex file :
x

4818: shaft (2445 (French: SCD)
Alisas 30T 4475734793573 (Datum: ETRS89 Alisas 30 T 4475734793573 (Datur
Accuracy code: M) Altitude 670 m Accuracy code
Area position

Updated 19th November 2022
(No description)
References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures : Underground pictures Video : Detailed surve On area survey : Survex file :

X
4819: cave (2453 (French: SCD)) Alisas 30 T 4470584793657 (Datum: ETRS89. Accuracy code: M) Altitude 581 m Length m Area position

Updated 19th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference,
Simonnot G, 2018 .

A single cavity having a penetrable passage at the end is to be looked at again.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures Underground pictures Video :
Detailed survey
Line Survey Line Survey On area sur
Survex file
x

4820: shaft (2454 (French: SCD)
Arredondo 30T 4497834792408 (Datum: ETRS89 Accuracy code: M) Altitude 455 m Depth 4 m
Area positi

Updated 19th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

A p4 or 5 m to be descended after clearing away blocks.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures : Underground pictures Video : Detailed surve On area survey : Survex file :

X
4821: shaft (2456 (French: SCD))
Arredondo 30T 4497064792440 (Datum: ETRS89 Arredondo
Accuracy code: M) Altitude 492 m Depth 1 m Area position

Updated 19th November 2022
The information below has been roughly translated The information below has been roughly transla
from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

A small depression with a "window" to inspect.

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(No description).
Water tracing detectors were installed here for a test from site 1757 / 3270 in May June 2023. No agent was detected; it came through to site 3278.

References: Simonnot G, 2018; Simonnot G, 2022; References: Sismor (summer logbook),
anon., 2023c
Entrance picture : March 2017
Underground pictures:
Video :
Detailed survey
Line Survey
On area survey
On area su
Survex file

4823: cave (2503 (French: SCD)) Arredondo 30T 4508474791834 (Datum: ETRS89. Arredondo 30T 4508474791834
Accuracy code: A) Altitude 172 m Accuracy cod
Length 10 m
Area positior
Updated 20th November 2022
(Grid reference altered as it's supposed to
be downstream of site 1747.)
The information below has been roughly translated
from the French, Spéléo-Club Dijon reference,
Simonnot $G, 2018$.

In the rocky escarpment a few meters downstream from the fuente del Arroyo (SCD2003; MCP 1745). The entrance goes left in a beautiful passage unfortunately

## The information below has been roughly translate

 from the French, Spéléo-ClubSimonnot G, 2018 and 2022.

A small shaft that pinches in a couple of metres down. Throwing stones sometimes suggests a void of 5 to 6 m . No draught.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures : Underground pictures Video: Detailed survey Line Survey Survex file :

## Area position

Updated 12th December 2018; 20th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot $G, 2018$.

A collapse ( -1 ) gives access to a crack ( $4 \times$ 0.6 m ) deep 4 m . At the end of the joint, an 0.6 m ) deep 4 m . At the end of the joint, an
inflow of water from the overlying calcareomarl levels is lost.

References: Simonnot G, 2018; anon., 2018d
(autumn logbook); Simonnot G, 2022 ntrance pictures

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nderground pictures
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Video :
Detailed survey : elevation
Line Survey :
On area surve
Survex file :
X
4827: shaft (2509 (French:
SCD))
Bustablado 30T 4479224793080 (Datum: ETRS89,
Accuracy code: M) Altitude 634 m
Length 3 m Depth 3 m
Area position
Updated 12th December 2018; 20th
November 2022
The information below has been roughly translated
The information below has been roughly transl,
from the French, Spéléo-Club Dijon reference,
Simonnot G, 2018 .

A long, 3 m deep crack in 2 parts is separated by a rocky bridge. A small inlet is lost below.

References: Simonnot G, 2018; anon., 2018d References: Somonnot G, 2018; anon
(autumn logbook); Simonnot G, 2022 Entrance pictures

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Underground pictures
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Video:
Detailed survey : elevation
Line Survey
On area survey
Survex file :
X
4828: cave (2510 (French: SCD))
Alisas 30T 4476874793241 (Datum: ETRS89
Alisas 30 T 4476874793241 (Datur
Accuracy code: M) Altitude 650 m
Accuracy cod
Length 7 m
Area position
Updated 20th November 2022
The information below has been roughly translated
The information below has been roughly transl
from the French, Spéléo-Club Dijon reference,
Simonnot $G$, 2018 .
Simonnot G, 2018.

A small 7 m long, rectilinear cave, 1 m to 1.3 m wide and 1 m high on average. The badgers have stripped the bottom of the gallery which seems wider under the filling ( 2.5 m at least). The cave, today inactive, represents an old outlet at the base of Linares limestone.

Below in the meadow a stream of water comes out of an impenetrable hole. This comes out of an impenetrable hole. This
flow probably contributes to the feeding of flow probably contributes to t
the Hoyón depression below.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance picture : August 2017 Underg Dideo : Line Survey: On area surve Survex file

X
4829: cave (2522 (French: SCD)) Bustablado 30T 4481714792792 (Datum: ETRS89 Bustabado
Accuracy code: M) Altitude 579 m
Area position

Updated 20th November 2022
The information below has been roughly translated MATIENZO UNDERGROUND - site descriptions (printed $19002 / 2024$
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## Simonnot $G, 2018$. Srench, .

A small cave is closed by large blocks of sandstone which need removing. Beyond is a slightly larger duct.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures

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Underground picture
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Video
Video:
Detailed survey
Line Survey
On area survey
On area surv
Survex file :

4830: cave (2523 (French: SCD)) Bustablado 30T 4481264792819 (Datum: ETRS89. Bustablado 30T 4481264792819
Accuracy code: M) Altitude 593 m
Accuracy code: M) Altii
Length 1 m Depth 1 m
Area position
Updated 20th November 2022
The information below has been roughly translated The information below has been roughly trans
from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

Entrance about 1 m in diameter under a sandstone bench. On the side a small pitch of 2 m could be enlarged and seems to be followed by another drop. An alternating draught is felt.

References: Simonnot G, 2018; Simonnot G, 2022
References: Simonnot G, 2018;
Entrance picture : August 2017
Entrance picture : Augu
Underground pictures :
Video:
Detailed survey
Line Survey:
On area survey Survex file

Line Survey :
On area a sura

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On area sur
```

x

4834: Herrero, Hoyo de (2617

## (French: SCD))

Arredondo 30T 4521004791893 (Datum: ETRS89 Arredondo $\begin{aligned} & \text { Accuracy code: M) Altitude } 275 \mathrm{~m}\end{aligned}$ Length 7 m Depth 4 m Area position

Updated 20th November 2022
The information below has been roughly translated The information below has been roughly translate
from the French, Spéléo-Club Dijon reference, Simonnot G, 2022.

This site has been excavated down beyond 2 m where "the current of sucking air rushes in (hot weather). (2017-2020)

References: Simonnot G, 2018; Simonnot G, 2022 References: Simonnot
Entrance pictures : yes Underground pictures

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Video:
```

Detailed survey
Line Survey
On area survey :
On area surve
X
4835: cave (2647 (French: SCD))
4835: cave (2647 (French: SCD)
Arredondo 30T 4505444792333 (
Accuracy code: G) Altit
Length 2 m Depth 1 m
Length 2 m
Area position
Updated 21st May, 20th November 2022
The information below has been roughly translated
from the French, Spéléo-Club Dijon reference,
Simonnot G, 2018.
A small cave to inspect again.
References: Simonnot G, 2018; anon., 2022b
References: Simonnot G, 2018; anon
(Easter logbook); Simonnot G, 2022
Entrance pictures :
Underground pictures
Video:
Detailed survey
Line Survey
On area surve
x
4836: shaft (2648 (French:
SCD)
Arredondo 30T 4503424792402 (Datum: ETRS89.
Arredona
Accuracy code: M) Altitude 413 m
Length 7 m Depth 2 m
Area position

Updated 20th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

The entrance is $1.7 \times 0.4 \mathrm{~m}$ with a meander of about 5 m .

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures

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Underground pictures
```

Video :
Detailed survey
Line Survey :
On area surve
On area survey
Survex file :
X

4837: Hoyo (2661 (French: SCD))
Arredondo 30T 4508674793123 (Datum: ETRS89, Arredondo 30T 4508674793123 (
Accuracy code: M) Altitude 429 m Accuracy co
Depth $2 m$ Area position

Updated 20th November 2022
The information below has been roughly translated The information below has been roughly transl,
from the French, Spéléo-Club Dijon reference, from the French, Speleo-Club
Simonnot G, 2018 and 2022.

A small sinkhole upstream of a string of depressions dotting the valley from Rotura to Tocornal and Piluca. In the sinkhole a collapse in the yellow soil and blocks appears relatively recent ( $4 \times 3 \mathrm{~m}$ and 2 m deep). A small side racking along a part of deep). A small side racking along a par
rock in place did not give a glimpse of rock in place did not give a glimpse of
immediately(?) [2018] A small lateral immediately(?) [2018] A small lateral
drawdown along part of rock in place did not drawdown along part of rock in plac
suggest any further action. [2022]

References: Simonnot G, 2018; Simonnot G, 2022 References: Simonn
Entrance pictures : Entrance pictures:
Underground pictures

```
Video:
```

Detailed survey
Line Survey
On area survey
Survex file :
X

4838: shaft (2667 (French:
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$\frac{\text { SCD) }}{\text { La Rasa }}$ / SCD3445) just above. It opens at the top of the Vallina limestone formation. The small entrance shaft was probably explored by Spanish speleologists (EC Tortosa or AEC Lobetum?). It was seen again on June 9, 2018 by the Dijon Speleo-Club. The window allowing access to the second pitch was opened on September 2, 2022 by David Gonzalez Cobo, Guy Simonnot and Magin Ulises.

References: Simonnot G, 2018; Simonnot G, 2022 References: Simonnot G, 2018;
Entrance pictures: June 2018

## 4841: shaft (2726 (French

## SCD)

Arredondo 30T 4523204793380 (Datum: ETRS89 Accuracy code: G) Altitude 500 m Length 25 m Depth 22 m

Updated 20th November 2022
(The grid reference is from Simonnot G, 2022).

References: Simonnot G, 2018; Simonnot G, 2022
Entrance nictures. Entrance pictures: June 2018; Underground pictures Video Detailed survey Line Survey On area surve
Survex file :

X
4842: shaft (2727 (French: SCD))
Arredondo 30T 4522904793345 (Datum: ETRS89 Accuracy code: M) Altitude 496 m Length 5 m Depth 5 m

## Area position

Updated 20th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, from the French,
Simonnot G, 2018.

A p5 just to the west of site 4841 . No further description.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures :

```
Video :
Detailed survey
```

Detailed sury
Line Survey
On area survey
Survex file :
x
4843: Encina, Torca de la (2731
(French: SCD))
Piluca 30T 4520864793741 (Datum: ETRS89.
Accuracy code: M) Altitude 554 m
Length 8 m Depth 8 m
Area position
Updated 20th November 2022
The information below has been roughly translated
from the French, Spéléo-Club Dijon reference,
Simonnot G, 2018 and 2022.

In one of the depressions in a well-marked valley occupied by a string of sink holes. A p8 to a gallery with the bottom to dig out and a climb.

References: Simonnot G, 2018; Simonnot G, 2022 Entrance picture : June 2018 Underground pictures :

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Video:
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Dideo:
Line Survey
On area survey :
Survex file :
X

4844: shaft (2732(French: SCD)) Piluca 30T 4519944793747 (Datum: ETRS89. Piluca $30 T$ tale
Accuracy code: M) Altitude 583 m Accuracy code
Area position

Updated 20th November 2022
The information below has been roughly translated The information below has been roughly trans/a from the French, Sp
Simonnot G, 2018.
(No description)
References: Simonnot G, 2018; Simonnot G, 2022 Entrance pictures : Entrance pictures:

## Video:

 Detailed survey Line Survey On area surve Survex filex
4845: cave (2455 (French: SCD)) Arredondo 30T 4496194792287 (Datum: ETRS89, Accuracy code: M) Altitude 468m Area position

Updated 20th November 2022
The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2018.

A large, completely choked gallery at the foot of a limestone cornice. Occupied by badgers. (No length given)

References: Simonnot G, 2018; Simonnot G, 2022
Entrance pictures: Entrance pictures : Underground pictures Detaile Line Survey : On area survey Survex file :
X
4846: diq Cobadal grid reference not known Length $2 n$ Area position

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Excavation and capping of an awkward sandstone boulder opened up a body length of passage where more digging is required.

References: anon., 2018d (autumn logbook)
References: anon.,
Entrance pictures
Entrance pictures :
Underground pictures
Video :
Detailed survey
Line Survey: On area surv
Survex file :

## 4847: dig

Cobadal grid reference not known
An unexplored small hole into a possible chamber.

References: anon., 2018d (autumn logbook) Entrance pictures
Video:
Detailed survey : pdf
Line Survey :
On area survey :
Survex file : lanuary 2019
4849: shaft
Riaño 30T 4511544799488 (Datum: ETRS89
Riaño 30T 4511544799488 (Datu
Accuracy code: G) Altitude 286 m
Accuracy code: G) Alti
Length 4 m Depth 4 m
Length 4 m D
Area position
A 4 m deep shaft choked with empty food
cans.
References: anon., anon., 2018e (Christmas
log
Entrance pictures : January 2010
Underground pictures
Video :
Detailed survey
Line Survey
On area sur
Survex file
4850: shaft
Riaño 30T 4511434799491 (Datum: ETRS89
Accuracy code: G) Altitude 284 m
Length 23 m Depth 23 m
Area position
A tight entrance to a narrow shaft emitting a
good, warm draught. It enlarges at the
bottom but is blind.
References: anon., anon., 2018e (Christmas
logbook)
Entrance pictures : January 2019
Underground pictures :
Video : January 2019 (YouTube)
Detailed survey : January 2019
Detailed survey : January 2019
Line Survey :
On area survey :

4851: dig
Riaño 30T 4514934799452 (Datum: ETRS89.
Accuracy code: G) Altitude 238 m Accuracy code: G) Altitude 238 m
Depth $2 m$
Area positior

A large boulder blocks entry to a tight shaft where rocks rattle down for a couple of metres.

Slightly lower than site 4851. A 3m deep hole chokes

## References: anon., anon., 2018e (Christmas

 ogbook) entrance pictures : January 2019 Underground pictures Video :Detailed survey Line Survey On area surve
Survex file :
X
4853: dia S Vega 30T 451032 4794196 (Datum: ETRS89 S Vega 30T 4510324794196 (Datu
Accuracy code: G) Altitude 630 m Accuracy code: G) Altitı
Length 11 m Depth 5 m Area position

Updated 19th May 2019; 19th September 2021; 3rd July 2022

This site is a 2 m by 1 m slot going down a few metres at about $55^{\circ}$ to limestone blocks. In wet weather, water is heard running away down hole. . There is a possibility that this might be site 1186. The site was excavated on two occasions in April 019 with an outward draught on one day and a strong inward draught on the other. Further digging work occurred in the summer 2021. The site was opened up enough to squeeze down but further work blocked the way down. Any debris will have to be hauled to the surface.

In the same very small depression is another hole with bones.

References: anon., 2019a (January logbook); References: anon., 2019a (January logbook)
anon., 2019b (Easter logbook); anon., 2021c (summer logbook) Entrance pictures : January 2019 : Easter 2019 Entrance pictures: January 2019 : Eas
Underground pictures : summer 2021 Video:
Detailed survey : August 2021 Detailed sur
Line Survey Line Survey:
On area survey:
Survex file : 2021; includes both holes in depression
x
4854: diq
S Vega 30T 4510284794218 (Datum: ETRS89. Accuracy code: G) Altitude 626 m Area position

Updated 19th May 2019
This site is a $2 m$ by $2 m$ opening in limestone with running water heard in very we weather. A likely dig in limestone blocks, so weather. A likely dig in limestone blo
it may need capping gear. A further it may need capping gear. A further
inspection in April 2019 noted that it would be a long-term dig.

References: anon., 2019a (January logbook); anon., 2019b (Easter logbook)
Entrance pictures : January 2019 Underground pictures
Detaile
Line Survey : On area surve Survex file :

## x

4855: resurgence
Barrio de Carrales 30T 4534944795182 (Datum: ETRS89. Accuracy code: A) Altitude 223 m Area position

A perennial resurgence with unknown water sources. An attempted trace from site 1265 in January 2019 was thwarted when the detector was washed away. A second attempt was "negative".

References: anon., 2019a (January logbook) References: anon., Untrance pictures :
Video:
Detailed survey
Line Survey On area sur Survex file :

X
4856: cave
El Naso 30T 451759 4796989 (Datum: ETRS89. Accuracy code: G) Altitude 245 m Length 44 m Depth 4 m Area position

## Updated 19th May 2019

A cave on the side of El Naso. Other sites in the area may be misplaced.
The entrance is up a steep bank just to the left or south-east of the rock-shelter at site 0867. The passage immediately slopes down into a chamber which is perhaps best reached horizontally along the top of the slope. This meets flowstone that can be followed back down to the bottom of the chamber or upwards past formations to where it becomes a little lower. A slot leads to the last chamber, where in wet conditions MATIENZO UNDERGROUND - site descriptions (printed 19/0212024 $\begin{gathered}\text { Volume } 7-\text { page } 13\end{gathered}$

```
a small stream enters about 3m}\mathrm{ up the end
```


## 4861: shaf

El Rincón 30T 4508344805459 (Datum: ETRS89. Accuracy code
Area position

Water is being diverted off the steep track in wet weather to sink at this heavily vegetated depression. Needs properly investigating.

```
References: anon., 2019b (Easter logbook)
References: anon., 2019b (East
Entrance pictures:Ap
Video :
Detailed survey
Line Survey
On area survey:
Survex file :
x
4863: shaft
El Rincón 30T 450405 4805198 (Datum: ETRS89,
El Rincón 30T 450405 4805198 ([
Accuracy code: G) Altit
Area position
A large shaft top on the uphill side of the
``` track. An 8 m deep hole with a small chamber at the base. No draught noticed.

References: anon., 2019b (Easter logbook)
Entrance pictures : April 2019 Entrance pictures : April 2019 Underground pictures Video :
Detailed survey Line Survey : On area survey Survex file
X
4864: shaft
El Rincón 30T 4503344805272 (Datum: ETRS89. Accuracy code: G) Altitude 269 m Length 14 m Depth 12 m
Area position
A 12 m deep roomy shaft to a possible tight continuation at the base to a muddy floor.

References: anon., 2019b (Easter logbook) References: anon., 2019b (East Underground pictures Video:
```

Detailed sur

```
Line Survey :
On area survey
Survex file

X
4865: depression
El Rincón 30T 4503684805256 (Datum: ETRS89 EI Rincón 30T 450368 4805256 (D
Accuracy code: G) Altitude 258m Accuracy code
Area position

A heavily vegetated depression which has been investigated to reveal nothing of been inv
interest.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Underground pictures Video : Line Survey: On area surve Survex file :
x
4866: dig
El Rincón 30T 4504174805454 (Datum: ETRS89. El Rincón 30T 4504174805454 (D
Accuracy code: G) Altitude 227 m
Area position

A possible dig at the base of a short drop reached up a climb from the side of a depression.
```

References: anon., 2019b (Easter logbook)
References: anon., 2019b (East
Untrance pictures : April
Underg
Detailed survey
Line Survey
On area survey
Survex file
X
4867: resurgence
4867: resurgence
El Rincón 30T 451027 4805506
Accuracy code
Area position

```

Updated 2nd October, 12th November 2022; 23rd May 2023; 27th September 2023

A resurgence which flows in flood conditions. The only passage appears to head off in a constricted, hading bedding with muddy, knobbly sides. It was not investigated in April 2019 due to a decaying fly-infested corpse in the entrance.

By the summer 2022, the site was dug as "Wednesday dig". Over 5 sessions, the uncomfortable, narrow route was enlarged to the point where the thinnest and youngest participant could wriggle through. MATIENZO UNDERGROUND - site descriptions (printed \(19002 / 2024\)
Volume 7 - page 15

\section*{logbook)
Entrance} Fernández Emilio et al, 2009, page 212 Fernandez Emiia Line Survey: Survex file : x
4870: shaft
Monte Llusa 30T 4499284804584 (Datum: ETRS89. Accuracy code: G) Altitude 383 m Length 50 m Depth 22 m Area position

An open shaft next to a pond which drains into the hole. A roomy 10m pitch from the north side lands on a slope with a possible alcove opposite that has not been investigated. A small hole at the base of the pitch is the top of a sloping 7 m pitch over/through loose boulders. At the bottom, straight on behind a boulder pile is a very straight on behind a boulder pile is a very echoing chamber, \(5 \times 3 \mathrm{~m}\) by 10 m high with no way on. In the other direction, a drop goes to a ledge then bells out,but this p5 ended at a small blind chamber.

The site should be surveyed.
References: anon., 2019b (Easter logbook) References: anon., 2019b (East
Entrance pictures : April 2019 Underground pictures: April 2019 Video:
Detailed survey : sketch from logbook, April 2019 Line Survey On area surve
Survex file :

X
4871: shaft
Monte Llusa 30T 4498534804683 (Datum: ETRS89. Accuracy code: G) Altitude 366 m Length 21 m Depth 6 m Area position

A fenced shaft above a depression. A 3 m drop from the north side lands on rocks and soil where there is a short crawl. A rift on the east side of the hole descends to a cross rift full of modern bones.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 nderground pictures

\section*{ideo :}

Detailed survey : April 2019
Line Survey
On area survey :
Survex file : April 2019

\section*{X}

4872: hole
Monte Llusa 30T 4498574804701 (Datum ETRS89. Accuracy code: G) Altitude 361 m ength 2 m Depth 2 m

\section*{Area positio}

A fenced shaft above a depression. A 3 m drop from the north side lands on rocks and soil where there is a short crawl. A rift on the east side of the hole descends to a cross rift full of modern bones.

References: anon., 2019b (Easter logbook)
Entrance pictures : April 2019 References: anon., 2019b (East
Entrance pictures: April 2019 Underground pictures Video :
Detailed survey
Line Survey
Survex file
x
4873: resurgence
Monte Llusa 30T 4498334804582 (Datum. ETRS89. Accuracy code: G) Altitude 370 m Area position

A prominent feature when seen from the air is just a weeping resurgence into a muddy, long depression.

References: anon., 2019b (Easter logbook)
References: anon., 2019b (East
Entrance pictures: April 2019
Entrance pictures : Apr

\section*{Video :}

Detailed surve
Line Survey
On area surve
Survex file :
X
4874: cave
Monte Llusa 30T 4500334804634 (Datum ETRS89. Accuracy code: G) Altitude 367 m Area position

A tiny choked cave
References: anon., 2019b (Easter logbook)
Entrance pictures: April 2019 Entrance pictures : April 2019 Underground pictures

\section*{ideo:}

Line Survey :
MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024 \(\begin{aligned} & \text { Volume } 7 \text { - page } 17\end{aligned}\)
```

Oon area surve
Survex file

```

4875: shaft
Monte Llusa 30T 4500474804637 (Datum: ETRS89. Accuracy code: G) Altitude 365 m Length 10 m Depth 4 m Area position

A fenced shaft where a short pitch drops t a seemingly blind crawl currently blocked with a rock

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Underground pictures : Under, Detailed survey Line Survey On area surv
Survex file

4876: cave

A hole below the cliff. An easy climb in then a crawl to left to a 3 m deep pit. There are 2 a crawl to left to a \(3 m\) deep pit. There are
skeletons with sharp teeth. Going over the skeletons with sharp teeth. Going over
pit leads to day light at the second entrance.

References: anon., 2019b (Easter logbook)
Entrance picture : April 2019 Underground pictures
Video:
Detailed survey
Line Survey :
On area survey
On area su
Survex file

\section*{4877: 3\% Pot}

Hazas de Cesto (east) 30T 453601480481 (Datum: ETRS89. Accuracy code: G) Altitude 180 m Length 52 m Depth 19 m Area positio

Updated 21st September 2019
The entrance lies up from a shallow
gulley. A 10 m drop down a mud slope meets a phreatic passage and a crawl to a possible dig. A few metres further on and down, a p5 is met in black limestone. At the base there is a dig in boulders with a possible draught. The site, which was surveyed in August 2019, needs digging when there is a good outward draught. On the August 2019 visit the muddy walls on the entrance pitch were quite dry and the cave warm, suggesting an inward draught

References: anon., 2019b (Easter logbook); anon. 2019d (summer logbook)
Entrance pictures: April 201

4878: resurgence Hazas de Cesto (east) 30T 4541694804879 Hazas de Cesto (east) 30 T 4541694804879
(Datum: ETRS89. Accuracy code: A) Altitude 173 m Length 105 m Length
Area position

\section*{Updated 21st September 2019}

A resurgence cave found just up from the track, above a concrete water tank. A stooping walk to the right meets a smal stooping walk to the right meets a sm
dam with water pipe and, beyond, an dam with water pipe and, beyond, an
excavated squeeze into a choked chamber At the entrance, a low slot on the left enters 85 m of passage. The stream is re encountered and, after reaching a stand-up section, a very low "sump" is reached. This was checled out in July 2019 and the floor will need excavating to make any progress A high level, well decorated route leads back towards the entrance from the the chamber and there is a connection down to the stream that was not entered.

Index
References: anon., 2019b (Easter logbook); anon., 2019d (summer logbook)
Entrance pictures : April 201 Underground pictures: April 2019 : Sump inspection, July 2019
Video: Sump inspection, July 2019 (YouTube) Detailed survey : pdf, April 2019 Line Survey
Survex file : April 2010

\section*{Hazas de Cesto (east) 30T 4540884804951 rea position . Accuracy code: G) Altitude 142 m}路

In the Tesugo valley below resurgence site 4878. Lots of water emerges could could ust be coming out from under deforestation debris.
```

References: anon., 2019b (Easter logbook)
References: anon.,
Entrance pictures :
Video:
Detailed survey
Line Survey
On area survey :
Survex file :
X
4880: dig
Hazas de Cesto (east) 30T 4539454804867
Mazas de Cesto (east) 30T 453945 4804867 16m
Datum: ETRS
A black space can be seen beyond a fridgefreezer at the base of a big depression.

```

\section*{References: anon.,}

Entrance pictures :
Underground pictures
Video: Detailed survey n area surve Survex file :
x

4881: shaft
Hazas de Cesto (east) \(30 T 4540334804854\) (Datum: ETRS89. Accuracy code: G) Altitude 165 m Length 4 m Depth 4 m
Area position
A small shaft about 3-5m deep and choked with soil and clay.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Underground pictures Video:

\section*{Detailed sur}

Line Survey :
On area sur
Survex file :
x
4882: sink
Hazas de Cesto (east) 30T 4539384805169 Hazas de Cesto (east) 30T 4539384805169
(Datum: ETRS89. Accuracy code: G) Altitude 111 m Area position

The (main?) sink for the water running down the Tesugo valley. Other sites probably associated with this are 4883, probably associated with this are 4883, 4884 and the probable resurgence, site
4885. Although there is only 170 m straight 4885. Although there is only 170 m straig
line distance between this sink and the line distance between this sink and the
probable resurgence, there is potential for probable resurgence, there is potential for
inlets entering from under the steep valley inlets entering from under the steep valle
sides so the "system" may well warrant further investigation.

References: anon., 2019b (Easter logbook) References: anon., 2019b (Eas
Entrance pictures : April 2019 Underground pictures Video :
Detailed survey Line Survey On area sur
Survex file

X

\section*{4883: dig}

Hazas de Cesto (east) 30T 4539334805189 (Datum: ETRS89. Accuracy code: G) Altitude 109 m Length 2 m Depth 2 m Area position

A large collapse beyond the sink, site 4882. A hole at the base goes to a dig in large boulders and debris

Other sites probably associated with this are 4884 and the resurgence, site 4885 . are 4884 and the resurgence, site 4885. distance between the sink and the probable distance between the sink and the proba
resurgence, there is potential for inlets resurgence, there is potential for inlets entering from under the steep valley sides so the "system" may well warrant further investigation.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Underground pictures: April 2019
```

Video

```
Detailed surve
On area survey:
Survex file :
X

4884: sink
Hazas de Cesto (east) 30T 4538764805226 Hazas de Cesto (east) \(30 T 4538764805226\)
(Datum: ETRS89. Accuracy code: G) Altitude 105 m
Area position
are 4883 and the resurgence, site 4885 .
Althouah there is onlv 170 m straiaht line distance between the sink and the probable resurgence, there is potential for inlets entering from under the steep valley sides so the "system" may well warrant further investigation.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Video :
Detailed survey
Line Survey
On area survey
Survex file

\section*{4885: resurgence}

\section*{Hazas de Cesto (east) 30T 453867480532} (Datum: ETRS89. Accuracy code: G) Altitude 87r Area position

The probable (choked) resurgence for water sinking at site 4882.
Other sites probably associated with this are 4883 and site 4884 . Although there is only 170 m straight line distance between the sink and this probable resurgence, there is potential for inlets entering from under the steep valley sides so the "system" may well warrant further investigation

References: anon., 2019b (Easter logbook) References: anon., 2019b (East
Entrance pictures : April 2019 Entrance pictures : Apri Video :
Detailed survey Line Survey On area survey Survex file

4886: cave
Hazas de Cesto (east) 30T 4533614805497 Hazas de Cesto (east) 30T 4533614805497
(Datum: ETRS89. Accuracy code: G) Altitude \(75 n\) (Datum: ETI
Length 2 m Length 2 m
Area position

A tiny cave in a shallow depression under prominent sandstone bed

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Underground pictures
Video :
Detailed survey
Line Survey :
On area survey
On area sur
Survex file

4887: dig
Hazas de Cesto (east) 30T 4533334805476 Hazas de Cesto (east) 30 T 4533334805476
(Datum: ETRS89. Accuracy code: G) Altitude 75 m
Area position

A possible dig on the side of a depression.
References: anon., 2019b (Easter logbook)
References: anon., 2019b (Eas
Entrance pictures : April 2019
Underground pictures:
Video
Detailed survey
Line Survey
On area surv
Survex file :

X
4888: cave
Monte Llusa 30T 4502364804725 (Datum: ETRS89. Accuracy code: G) Altitude 329 m Length 3 m
```

Area positio

```

An undercut which is visible from a good distance. The buttress continues around the back but any exploration route would need to deal with the forest and jungle vegetation.

References: anon., 2019b (Easter logbook) Entrance pictures : Apr
Underground pictures Video





4889: shaft
Riaño 30 T 4508944799405 (Datum: ETRS89,
Accuracy code: G) Altitude 265 m Accuracy code: G) Altitude 265 m Length 10 m Depth 4 n
Area positior
A \(4 \times 6 \mathrm{~m}\) shaft top drops 4 m (as a scramble down) to a draughting dig in boulders and smaller rocks. Some excavation has occurred.
When seen in July, the vegetation around the top was much denser and any investigation was abandoned.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 : July 2019 Underground pictures
MATIENZO UNDERGROUND site descriptions (printed 1902024) Volume 7 - page 20

```

Lina surver
on area survey

```
Survex file :
X
4890: depression
Monte Llusa 30T 4501504804611 (Datum
ETRS89. Accuracy code: G) Altitude 345 m
ETRS89. Accu
Area position

A large depression has solution pockets on the back, limestone wall.

\section*{References: anon., 2019b (Easter logbook) Entrance pictures : April 2019} Underground pictures Survex file :
x
4891: shaft
Monte Llusa 30T 4501664804678 (Datum ETRS89. Accuracy code: G) Altitude 320 m Length 4 m Depth 2 m Area position

This site is marked with red sticks, presumably by the same people who have cleared the path down through the jungle ts El Rincón. A 2 m deep pit at the side of the track which had a boulder moved to reveal draughting hole. However, any excavation would be a lot of work.
```

References: anon., 2019b (Easter logbook)
References: anon., 2019b (Eas
Entrance pictures:Ap
Underground pictures :
Detailed survey
Line Survey
On area survey
Survex file

```
x
4892: resurgence
El Rincón 30T 450998 4805258 (Datum: ETRS89.
Accuracy code: G) Altitude 75 m
Length 13 m Depth 6 m
Area position

Updated 10th January, 23rd August, 16th September 2020; 10th January 2022; 21st May, 2nd October 2022

A small, boulder-filled rift which, the farmer says, emits copious quantities of water in flood conditions. This, possibly, is when resurgences 4893 and 4894 back up. Unless it's a completely separate cave. It might be associated with 4867 on the north side.

The site was excavated on Christmas Day 2019 until it was possible to drop down 1.5 m to see a possible bedding plane heading north. Boulders drop to water. A small "gate" has been installed.

Further work occurred in the summer, 2020 and over 4 sessions around the Christmas period 2021. A digging session took place on April 10th 2022 and, twelve took place on April 10th 2022 and,
days later, it was too wet to survey. ays later, it was too wet to surver
It was surveyed in July 2022.

References: anon., 2019b (Easter logbook); anon. 2019 f (Christmas logbook); anon., 2020c (Spring, summer logbook); anon., 2021 f (Christmas logbook); anon., 2022b (Easter logbook)
Entrance pictures : April 2019-July \(2022: 360^{\circ}\) entrance pictur
Underground pictures : December 2021 Video : August \(2020:\) April 2022 : July 2022 Detailed survey : pdf, April 2019 : pdf, July 2022 Line Survey On area survey :
Survex file : July 2022

X
4893: Real, Fuente de la
El Rincón 30T 4510714805206 (Datum: ETRS89 Accuracy code: G) Altitude 70 m Area position

Updated 11th September 2020
The main, continually flowing resurgence at The main, continually flowing resurgence at
El Rincón, the main source for the Río Chico El Rincon, the main source for the Rio Chico
Any underground features here have been completely covered over and the site is completely covered over and the site is
adorned with an obelisk. A 'lavadero' is also adorned with an obelisk. A 'lavadero' is also
still standing. A possible window onto the still standing. A possible window onto the
water resurging here is site 4942, a few water resurging here is si
metres to the southwest.
```

References: anon., 2019b (Easter logbook)
References: anon., 2019b (East
Video:
Detailed survey
Line Survey
Survex file
X
MMATIENZO UNDERGROUND - site descriptions (printed 19/02/202

```

\section*{4894: resurgence} Accuracy code: G) Altitude 70 m Area position

\section*{Updated 10th January 2020}

A wet-weather resurgence, presumably the first overflow resurgence for site 4893, with the slightly higher site 4942 being the second to flow. Both pumping and boulder clearing operations took place on 24th Apri 2019 over 4-5 hours when the site had stopped flowing. The farmer was interested and friendly and informed the group that during flood conditions a lot of water came out.
The way straight on appears to close in, but a deeper section leads round to the lef with a boulder blocking any access. A diver is needed to assess prospects.
Martyn Grayson investigated over three occasions at Christmas 2019 when the underwater boulder was removed, but the visibility remained too poor to view the prospects.

Link to entry in the Cave Diving Sump Link

References: anon., 2019b (Easter logbook); anon., 2019 f (Christmas logbook Entrance pictures: 16th April 2019 : pumping and boulder clearing, 24th Ap
Underground pictures

4895: cave
El Rincón 30T 450586 4805189 (Datum: ETRS89 EI Rincón 30T 4505864805189

\section*{Accuracy coo
Length 3 m}

This lies in a densely vegetated
depression. The entrance lies in a rock face depression. The entrance lies in a rock face
at the bottom and immediately enters a 3 m at the bottom and immediately enters a 3 m chamber with a mud floor.
```

$$
\begin{array} { l } { \text { References: anon., 2019b (Eas } } \\ { \text { Entrance picture: April 2019} } \\ { \text { Underground pictures : } } \end{array}
$$

```
Underground pictures
Video:
Detailed survey
Line Survey
On area sur
Survex file
X
4896: shaf
EI Rincón 30T 4507794804967 (Datum: ETRS89
Accuracy code: G) Altitude 155 m
Accuracy code: G) Altit
Length 3 m Depth 3 m
Area position

A 3m drop in a rift. It becomes too smal at a jammed boulder.

References: anon., 2019b (Easter logbook) Entrance picture : April 2019
Underground pictures
Untre
Video
Detailed survey
Line Survey
On area survey
Survex file :

4897: collapse
El Rincón 30T 4508024804982 (Datum: ETRS89. El Rincón 30T 4508024804982 (D
Accuracy code: G) Altitude 155 m
```

References: anon., 2019b (Easter logbook)
References: anon., 2019b (Ea

```
Underground pictures
Video
Detailed survey
Detailed sur
Line Survey
Line Survey
On area sur
Survex file trench and probably a water supply".
References: anon., 2019b (Easter logbook) References: anon., 2019b (Ea
Entrance picture : April 2019 Underground pictures Video :
Detailed surve
Line Survey:
On area surve
Survex file :
x
4900: shaft
4900: Shaft
La Gatuna 30T 4500574798634 (Datum: ETRS89. Accuracy code: G) Altitude 317 m Length 3 m Depth 3 m Area position

Above the plantation, a 3m deep choked shaft.

References: anon., 2019b (Easter logbook) Entrance picture : April 2019 Entrance picture : April Video : Detailed survey Line Survey On area surve Survex file

X
4901: shaft
La Gatuna 30T 450060 4798603 (Datum: ETRS89. Accuracy code: G) Altitude 332 m

Length 3 m

Above the plantation, a fenced, 3 m deep, Above the plat.
choked shaft.
```

References: anon., 2019b (Easter logbook)
$$
\begin{array} { l } { \text { References: anon., 2019b (Eas } } \\ { \text { Entrance picture: April 2019} } \\ { \text { Underground pictures : } } \end{array}
$$

```
Undergro
Video:
Detailed surve
Line Survey:
Line Survey:
On area surve
Survex file
x
4902: shaft
La Gatuna 30T 4500894798629 (Datum: ETRS89.
Accuracy code: G) Altitude 331 m
Accuracy code: G) Alti
Length 3 m Depth 3 m
Area position

Above the plantation, a fenced, 3 m deep, choked shaft.

References: anon., 2019b (Easter logbook) References: anon., 2019b (Ea
Entrance picture : April 2019 Underground pictures Video :
```

Detailed sur

```
Line Survey :
On area survey
Survex file :
X
4903: shaft
903: Shaft 102034 (Datum: ETRS89
La Gatuna 30T 4501104798634
Accuracy code: G) Alti
Length 3 m Depth 3 m
Area position
Above the plantation, a fenced, 3m deep,
choked shaft.
References: anon., 2019b (Easter logbook)
Entrance picture : April 2019
Entrance picture : April
Video :
Detailed survey
Line Survey
On area surve
Survex file :
x

4904: cave
La Gatuna 30T 4500914798701 (Datum: ETRS89. Accuracy code: G) Altitude 294 m
Area position
Area position
A small opening below the cliff in the plantation.

References: anon., 2019b (Easter logbook) References: anon., 2019b (Eas Underground pictures Video :
Detailed survey Line Survey On area surve
Survex file :
x

4905: cave
La Gatuna 30T 4501504798738 (Datum: ETRS89. Accuracy code: G) Altitude 297 m Length 6 m Area position

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\section*{A cold store at the top of the field. Th} ahead. There is a calcited rift up to the right.

References: anon., 2019b (Easter logbook) References: anon., 2019b (Ea:
Entrance picture : April 2019 Entrance picture : April
Underground pictures : Video :
Detailed survey Line Survey On area survey Survex file

4906: shaft
La Gatuna 30T 4499874798566 (Datum: ETRS89 Accuracy code: G) Altitude 337 m

\section*{Length 10 m Depth 4 m}

\section*{Area positio}

A choked 6 m long and 4 m deep rift with straws in the roof
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References: anon., 2019b (Easter logbook)
Entrance picture:April 2019

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Underground pictures
Video:
Detailed survey
Detailed sur1
Line Survey
Line Survey
On area sur
Survex file
4907: Boiling Well
Hazas de Cesto (east) 30T 4530284805953
(Datum: ETRS89. Accuracy code: G) Altitude 45 m
Area position
A round pool with an outlet where bubbles
rise every few seconds.
References: anon., 2019b (Easter logbook)
References: anon., 2019b (Ea
Entrance picture : April 2019
Underground pictures
Video:
Detailed survey
Line Survey
On area survey
Survex file
4908: resurgence
Hazas de Cesto (east) 30T 453132480577
(Datum: ETRS89. Accuracy code: G) Altitude 50 m
Area position

There are small gaps between rocks at this resurgence and it may be possible to dig down to the water.

References: anon., 2019b (Easter logbook) Entrance picture : Underground pictures
Video :
Detaile
Detailed survey
Line Survey
On area sur
On area sur
Survex file
4909: depression
Hazas de Cesto (east) 30T 4534264805519
(Datum: ETRS89. Accuracy code: G) Altitude 80 m
Area position

A large depression with no leads.
References: anon., 2019b (Easter logbook) Entrance picture
Video
Video:
Detailed survey
Line Survey
On area survey
Survex file

4910: cave
Hazas de Cesto (east) 30T 4533404805506 Hazas de Cesto (east) 30 T 4533404805506
(Datum: ETRS89. Accuracy code: G) Altitude 74 r Length 20 m Depth 4 m Area position

A steeply sloping cave has bats in residence (and a milk crate). A dig at the base led to a small, straight up constriction.

References: anon., 2019b (Easter logbook)
passage off is an inlet with a small stream and draught. This is"rather pleasant goin passage. The route becomes smaller to squeeze section through sand which "simply squeeze
The passage splits and changes character. To the right a high rift can be climbed until an aven is met that could be bolted although there doesn't appear to be an保
 junction follows the rift at floor level to a mall chamber with a passage leading off ending in a rabbit hole.

References: anon., 2019b (Easter logbook
Entrance pictures : April 2019 Underground pictures : April 2019 Video : Detailed survey : pdf, April 2019 Line Survey ine Survey On area survey
Survex file : April 2019
X

4912: cave
La Gatuna Area position

A cave in the cliff east of site 0400. Length is about 5 m and the passage continmues. Grid reference to come.

References: anon., 2019b (Easter logbook) Entrance pictures nderground pictures Video :
```

Detailed sur

```
Line Survey
On area surve
Survex file
x

4913: dig La Gatuna Area position

Below site 4912. A set of rifts that could easily be opened up. Stones fall for a few metres. Grid reference to come.

References: anon., 2019b (Easter logbook) References: anon.,
Entrance pictures Underground pictures Video :
Detailed surve
Line Survey
On area sur
x
4914: cave
Secadura 30T 4572964800209 (Datum: ETRS89 Secadura 30T 4572964800209
Accuracy code: G) Altitude 49 m Length 20 m Area position

A low entrance leads to a crawl, with an opening to daylight after about 3 m . The passage turns to the left and the floor level drops in a walking height passage that drops in a walking
becomes too tight.

References: anon., 2019b (Easter logbook) Entrance picture: : February 2019 Underground pictures: February 2019 Video : Video:
Detailed survey Line Survey On area surve Survex file :

X
4915: cave
El Naso 30T 4516924796721 (Datum: ETRS89 Accuracy code: G) Altitude 355 m Length 6 m

A one-metre diameter entrance to a slope down, followed by a narrow rift upwards.
\begin{tabular}{l} 
References: anon., 2019b (Easter logbook) \\
Entrance picture: January 2019 \\
Underground picture : January 2019 \\
Video: \\
Detailed survey : \\
Line Survey : \\
On area survey : \\
Survex file : \\
X \\
4916: Bedstead Hole \\
\hline Hazas de Cesto (east) 30T 453651 4803943 \\
(Datum: ETRS89. Accuracy code: G) Altitude 197m \\
Length m Depth 4m \\
Area position \\
This has an overgrown top but is visible to \\
4m depth. \\
References: anon., 2019b (Easter logbook) \\
Entrance picture: \\
Underground picture \\
Video: \\
Detailed survey : \\
Line Survey : \\
\\
\hline MATIENZO UNDERGROUND - site descriptions (printed 190020024) \\
\end{tabular}
```

On area surv
Survex file

``` a fair way.

\section*{References: anon}

4918: shaft
La Gatuna 30T 4506144798816 (Datum: ETRS89 La Gatuna 30T 450614 4798816 (
Accuracy code: G) Altitude 397 m Accuracy code: G) Alti
Length 6 m Depth 6 m Length 6 m D
Area position

A small hole blocked with boulders; six metres deep and "easily free-climbable"

References: anon., 2019b (Easter logbook) Entrance pictur Underground picture
Video :
Video:
Detailed survey
Line Survey
On area survey
```

Survex file

```

4919: cave
Hazas de Cesto (east) 30T 4533914804714 (Datum: ETRS89. Accuracy code: G) Altitude 150 m Length 36 m Depth 4 m Area position

\section*{Updated 11th November 2021}

A cave, descended into a phreatic chamber, originally with 2 possible digs. One was excavated through a calcite blockage, 6 m to a choke (possibly at station 8). The other was started in the floor where spoil runs away down a crack (possibly at station 2). It may be worthwhile checking for a draught in the summer. It is unclear from the survey notes where these digs are The second dig was worked at in Octobe 2021 but "loose sand blocked the way on after about an hour". It was thought after about an hour". It was though On the latter occasion, one bat was noticed in the cave.

References: anon., 2019b (Easter logbook); anon., 2021d (autumn logbook)
```

Entrance picture

```
Entrance picture:
Underg
Video
Detailed survey : pdf, April 201 S
Line Survey
On area survey :
Survex file : April 201

4920: shaft
Hazas de Cesto (east) 30T 453331480483 (Datum: ETRS89. Accuracy code: G) Altitude 110 m Length 5m D
Area position

A small shaft, \(2 \mathrm{~m} \times 1 \mathrm{~m}\) at the base and a possible dig.
References: anon., 2019b (Easter logbook)

A small shaft, \(3 m\) deep to a dig
```

References: anon., 2019b (Easter logbook)

```
Entrance picture
Underground picture
Video
Detailed survey
Line Survey
On area survey
X
4922: shaf
Hazas de Cesto (east) 30T 4533694804846

\section*{(Datum: ETRS89. Accuracy code: G) Altitude 145 m
Area position} posion

A small undescended hole near to site 4921.

References: anon., 2019b (Easter logbook) References: anon.,
Entrance picture:
Underground pictur

\section*{Video:} Detailed surve
Line Survey: On area surve Survex file

4923: depression
Hazas de Cesto (east) 30T 4534584804829 Hazas de Cesto (east) \(30 T 4534584804829\) (Datum: ETRS89. Accuracy code: G) Altitude 173m
Length 16 m Depth 7 m Area position

A \(4 \times 5 \mathrm{~m}\) depression, descended by ladder A \(4 \times 5 \mathrm{~m}\) depress

References: anon., 2019b (Easter logbook) Entrance picture Underground picture
Video :
Detailed surve On area surve Survex file

X
4924: shaft
Riolastras 30T 4541684804089 (Datum: ETRS89. Accuracy code: G) Altitude 207 m Length 5 m Depth 5 m Area position

Updated 10th January 2020; 21st June 2021
A small hole by the track junction which was explored on Boxing Day, 2019.
Cave entrance likely not to be found in summer due to vegetation growth! At the base of the doline is an earthy entrance leading to clean washed limestone. Rigged from nearby trees, descending pot approx. 5 m deep trending slightly back towards the track (south). Loose mud/soil at the top with significant leaf litter infill. Clean washed limestone encountered approximately 3 m limestone encountered approximately 3 m Passage is approximately \(1 \mathrm{~m} \times 60 \mathrm{~cm}\), but to Passage is approximately \(1 \mathrm{~m} \times 60 \mathrm{~cm}\),
make further progress, digging will be make further progress, digging will be
required. Likely to take water during heavy rains. Dig opportunity, but no stacking space thin the entrance so everything must be hauled to surface and stacked within the plantation woodland. Would require haul kit and kibbles. [Description: Jess Eades]

In June 2021, the Quebraduras windfarm proposals were published with generator positions, access roads and power line to Fuente las Varas. A 10 -page Word doc was written outlining possible effects to the caves. This site (4924) could be destroyed by work around QU-01 generator.

References: anon., 2019b (Easter logbook); anon., References: anon., 2019b
2019 f (Christmas logbook) 2019 f (Christmas logboc
Entrance picture :
Underground picture
```

Video:

```
```

Dideo:
Line Survey :

```
On area survey :
Survex file :
X

4925: dig
Hazas de Cesto (east) 30T 4533904804551 (Datum: ETRS89. Accuracy code: G) Altitude 128 m Depth \(3 m\)
Area position

A large rock covers this 3 m deep hole. The A large rock covers this 3 m deep hole. Th
walls are very friable but, with a dig, there may be a way on with care.
```

References: anon., 2019b (Easter logbook)
Entrance picture
Entrance picture:
Video:
Detailed survey
Detailed sur
On area surve
Survex file
x
4926: digs
Hazas de Cesto (east) 30T 4534334804617 (Datum: ETRS89. Accuracy code: G) Altitude 146 m
Area position Area position

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Two depressions that require digging.
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References: anon., 2019b (Easter logbook)

```
References: anon.
Underground picture
Video :
Detailed survey
Line Survey :
Line Survey
On area survey :
Survex file :

MATIENZO UNDERGROUND

\section*{4927: Colapso, Cueva} Length 68m Depth 14 m Area position

Updated 21st June 2021
A cave / rock shelter all the way round the base of a large depression. There are no leads or digs worth pursuing, but there are some very old stal.

In June 2021, the Quebraduras windfarm rroposals were published with generator proposals were published with generator positions, access roads and power line to Fuente las Varas. A 10-page Word doc was written outlining possible effects to the caves. This site (4927), close to generator QU-01, has bats and old formations Possible threats include vibrations from explosions during excavation and during building works. Rotating blades also kill bats.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019
Underground pictures : April 2019 Video :
Detailed survey : pdf, April 2019 Line Survey On area survey :
Survex file : April 2019

\section*{4928: hole}

Hazas de Cesto (west) 30T 4525424805910 (Datum: ETRS89. Accuracy code: G) Altitude 64m Area position

A hole covered with branches Ais photo shows the general area of sites 4928-4933

References: anon., 2019b (Easter logbook) Entrance picture: April 2019 Entrance picture : April
Underground pictures Video :
Detailed survey
Line Survey
On area surv
```

Survex file

```

\section*{4929: hole}

Hazas de Cesto (west) 30T 4525174805916 (Datum: ETRS89. Accuracy code: G) Altitude 64 m Area positio

A hole filled with tyres.
This photo shows the general area of sites 4928-4933.

References: anon., 2019b (Easter logbook)
Entrance picture: April 2019
Underground pictures
Video:
Detailed surv
Line Survey
On area sur
Survex file

4930: rift
Hazas de Cesto (west) 30T 4525214805909 (Datum: ETRS89. Accuracy code: G) Altitude 64n Area position

A rift covered with old branches his photo shows the general area of sites 4928-4933.

References: anon., 2019b (Easter logbook) Entrance picture : April 2019
```

Entrance picture : Aprii

```
Video
Detailed survey
Line Survey
On area surv
Survex file

\section*{4931: shaf}

Hazas de Cesto (west) 30T 4525064805912 (Datum: ETRS89. Accuracy code: G) Altitude 64 m Length 2 m D

A 2 m deep hole to a partial soil blockage This photo shows the general area of sites 4928-4933

References: anon., 2019b (Easter logbook)
Entrance picture : April 2019 Underground pictures Video :
Detailed survey

A possible crawl under a rock face where soil needs removing. 4928-4933.

References: anon., 2019b (Easter logbook)
References: anon., 2019b (Eas
Entrance picture : April Video :
Detailed survey Line Survey On area survey Survex file :
x
4933: cave
Hazas de Cesto (west) 30T 4524634805930 (Datum: ETRS89. Accuracy code: G) Altitude 66 m Length 10 m Depth 3 m Area position

Updated 28th September 2023
A roomy entrance at the base of a small, steep, grassy, fenced shakehole. Inside, a slope goes down to a roomy crawl and a small dig.
This photo shows the general area of sites 4928-4933.

After a visit in July 2023, no draught was elt and it was thought to be lots of effort required for a dig. Also, "other 5 sites in this small area do not offer much potential".

References: anon., 2019b (Easter logbook); anon., 2023c (summer logbook) Entrance picture: April 2019
Underground pictures : April 2019
```

Video:

```
Detailed surve
Line Survey
On area surve
Survex file :
X

4934: cave Hazas de Cesto (west) 30T 4524874806167 (Datum: ETRS89. Accuracy code: G) Altitude 100 m Length 5 m Depth 4 m Area position

A walk down a vegetated depression in a eucalyptus plantation ends at a dodgy raft of eucalyptus plantation ends at a dodgy raft
branches over a 4 m climb down against an 8 m high scar. There is a dig with a possible 8 m high scar. There is a dig with a possible draught at the base.
```

References: anon., 2019b (Easter logbook)
Underground pictures

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Video:
Video :
Detailed surve
Line Survey :
Line Survey:
Survex file :
x
4935: cave
Hazas de Cesto (west) 30T 4526984805875
(Datum: ETRS89. Accuracy code: G) Altitude 65 m
Length 3 m
Area position

Updated 28th September 2023
A 3m long, low cave beyond a rock arch. A dig is required to extend the site. It was revisited in July 2023

References: anon., 2019b (Easter logbook); anon., References: anon., 2019b (Ea
2023c (summer logbook)
ntrance picture : April 2019 Entrance picture: April 2 Underground pictures Video :
Detailed surve
Line Survey
Survex file :
X
4936: sink / cave
Hazas de Cesto (west) 30T 452698480579 Hazas de Cesto (west) 30 T 4526984805799
(Datum: ETRS89. Accuracy code: A) Altitude 58 m Area position

\section*{Updated 28th September 2023}

A sink and unexplored cave entrance in the middle of a field. Pipes appear to drain into it. In July 2023, it was found to choke with a roof fall after 2 m .

References: anon., 2019b (Easter logbook); anon. 2023c (summer logbook) Entrance picture : April 201 Underground pictures Video: Line Survey : On area survey : Survex file :

X
4937: resurgence Beranga 30T 453064 4806504 (Datum: ETRS89.
Accuracy code: G) Altitude 53m Accuracy code: G) Altitude 53m

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$$
\begin{array} { l } { \text { Length 50m} } \\ { \text { Area positior} } \end{array}
$$

```
Updated 28th September 2023
This prominant feature is seen to the west
of the main road from Beranga to Hazas,
about 180 m south of the motorway viaduct.
about 180 m south of the motorway viaduct.
A cave, first explored by Matienzo cavers in
A cave, first explored by Matienzo cavers in
1977 and the detail sketched into the 1977
1977 and the detail sketched into the 197
logbook, page 99. The length above is a
guess and could be quite a bit longer. The
entrance is now thought to be blocked by a
tree trunk but with a strong draught and the
way on can be seen. [A grid reference fo
the feature visible at the road side is \(30 T\)
4531044806518 ]
References: anon., 2019b (Easter logbook); anon.,
2023c (summer logbook)
Entrance picture : April 2019
ance picture : April
Video:
Detailed survey : sketch from the 1977 logbook
Detailed surv
Line Survey :
On area survey
Survex file

4938: resurgence
Hazas de Cesto (west) 30T 4529474806131
(Datum: ETRS89. Accuracy code: A) Altitude 53 m
Area position
Water emerges from a concrete pipe at
the head (?) of a shallow valley.
References: anon., 2019b (Easter logbook)
References: anon
Entrance picture
Underground pictures
Video:
Video:
Detailed survey
Line Survey :
On area survey
Survex file

4939: cave
Hazas de Cesto (west) 30 T 4527954805850 Hazas de Cesto (west) \(30 T 4527954805850\)
(Datum: ETRS89. Accuracy code: G) Altitude 65 m Length 10 m Length 10 m
Area position

Significant water works, obvious and hidden, are found below a wooded limestone hidden, are found below a wooded lim outcrop just north of the "mothballed' fenced, large holding tank stands next \(t\) fenced, large holding tank stands next to the road and, a few metres to a south, a manhole cover hides a large flanged pip Whether the abstracted water is being pumped up a borehole from the depths or whether a shallow rising has been captured is unclear.

A prominent walking route up a gully between smooth limestone buttresses encounters a rift on the right. (The position above may be a bit out due to the tree
cover.)

The walk-in rift with an alcove on the left has a possible dig through a narrow section

References: anon., 2019b (Easter logbook) References: anon., 2019b (Ea
Entrance picture : April 2019 Underground picture : April 2019
Video :
Detailed survey
Line Survey :
On area survey
Survex file

4940: shaft
at the same entrance; this was finished hen large blocks in the floor were encountered and the passage became smaller.

References: anon., 2019b (Easter logbook)
References: anon., 2019b (East
Entrance pictures : April 2019
Entrance pictures:April 2019
Misc. picture: July 2023
Underground pictures : July 2023
Video : July 2023 (YouTube) Detailed survey : July 2023 Line Survey On area survey :
Survex file : July 2023

4942: dig
El Rincón 30T 4510574805196 (Datum: ETRS89 El Rincón 30T 4510574805196
Accuracy code: A) Altitude 74 m Accuracy code: A) Altitude 74m Length 3 m

Updated 10th January 2020
A low opening in a vegetated pit behind A low opening in a vegetated \(p\) and to the southwest of the main esurgence (with the obelisk) at El Rincón. bvious wall can be seen across a pool of till, clear water.
A proper inspection occurred in December 019 when Martyn Grayson, in out-of-depth water, found small underwater fissures bringing in water opposite the wall, but these are not passable. "No future prospects remain."

Link to entry in the Cave Diving Sump Index.

References: anon., 2019b (Easter logbook); anon. References: anon., 2019b
Entrance pictures: April 2019
Underground picture :
Video :
Detailed surve
Line Survey
Survex file :
X
4943: cave
S Vega 30T 4529054794122 (Datum: ETRS89 Sccuracy code: G) Altitude 482 m Accuracy 7 m
Area position

A 7m long, standing height rift to a squeeze into a body-sized hole.

References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 deo :
Detailed survey Line Survey On area surve
Survex file : Survex file

X

\section*{4944: shaft}

Riva 30T 4534534793919 (Datum: ETRS89 Accuracy code: G) Altitude 427 m
rea position
An undescended pitch.
References: anon., 2019b (Easter logbook) Entrance pictures Underground picture Video :
Detailed survey Line Survey Survex file x
4945: cave
Riva 30T 4537164793758 (Datum: ETRS89 Accuracy code: G) Altitude 380 m Length 5m Area position

A small choked cave.
References: anon., 2019b (Easter logbook) Entrance pictures : April 2019 Underground picture :
Video:
Detailed survey
Line Survey
On area surve
X
4946: hole
La Colina 30T 452759 4796914 (Datum: ETRS89 La Colina 30T 4527594796914 (D
Accuracy code: A) Altitude 213 m Accuracy cod
Length 1 m Area position

Sites 4946-4948, investigated on the ground a few days before, were positioned on the steep hillside by drone. (Flying level with an opening puts the altitude of the hole at the drone's altitude. The drone's \(X, Y\) position is also known so, on a map, a line position is also known so, on a map, a line
from the drone's position can be drawn to meet the appropriate contour line. This

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method can only ever be approximate but is
nrohably hetter than reading a GPG unit on probably better than reading a GPS unit on a steep hillside.)

Site 4946 is a 1 m deep alcove.
References: anon., 2019b (Easter logbook)
Entrance pictures : from drone video, April Entrance pictures : from drone video, April 2019 Underground picture Video : Fly past of sites 4946,4947 and 4948 Video: Fly
(YouTube) Detailed survey Line Survey On area survey Survex file

\section*{4947: cave}

La Colina 30T 4527414796892 (Datum: ETRS89 Accuracy code: A) Altitude 210 m Length 2 m Area positio

Sites 4946-4948, investigated on the ground a few days before, were positioned on the steep hillside by drone. (Flying level with an opening puts the altitude of the hole at the drone's altitude. The drone's X, Y position is also known so, on a map, a line from the drone's position can be drawn to meet the appropriate contour line. This method can only ever be approximate but is probably better than reading a GPS unit on a steep hillside.)

Site 4947 is small site choked with mud and rocks.

References: anon., 2019b (Easter logbook) Entrance pictures : from drone video, April 2019 Underground picture
Video : Fly past of sites 4946,4947 and 4948 Video : Fly
(YouTube)

\section*{4948: cave}

La Colina 30T 452724 4796845 (Datum: ETRS89 Accuracy code: A) Altitude 212 m
Length 5m
Area positio
Sites 4946-4948, investigated on the ground a few days before, were positioned on the steep hillside by drone. (Flying level with an opening puts the altitude of the hole at the drone's altitude. The drone's X, Y position is also known so, on a map, a line from the drone's position can be drawn to meet the appropriate contour line. This method can only ever be approximate but is probably better than reading a GPS unit on a steep hillside.)

\section*{Site 4948 is a 5 m crawl to where the} passage has animal bedding and becomes too small.

References: anon., 2019b (Easter logbook) Entrance pictures : from drone video, April 2019 Underground picture
Video : Fly past of sites 4946,4947 and 4948 Video : Fly
(YouTube)

References: anon., anon., 2018e (Christmas
logbook) Video : December 2018 (YouTube) Detailed survey Line Survey Survex file :

A roomy 10 m entrance abseil from a tree to a ledge, followed by a descending ramp where it becomes narrower. To the right, a pitch of about 4 m , chokes; to the left, before the pitch, is a climb of about 4 m to a ledge. To the left of that ledge a narrowing enlarges, but there is no exit. [Loosely translated from the Easter logbook account.]
```

References: anon., 2019b (Easter
Entrance pictures:Ma

```
Video:
Detailed survey : March 2019, Madrid cavers
Line Survey
On area survey :
Survex file : March 2019
X
4952: dig
Riva 30T 4524824793685 (Datum: ETRS89
Accuracy code: G) Altitude 456 m
Area position

Some small blocks have been removed from the entrance. Three large blocks will need mechanical means. The draughting hole is in the lower part of a doline close to
site 4951 . [Loosely translated from the Easter site 4951 . [Loosely translated from the Easter
logbook account.]

\section*{References: anon., 2019b (Easter logbook) Entrance pictures : March 2019} Underground picture
```

Video :

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```

Detailed surve

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On area surve
Survex file :
x

4953: hole
Riva 30T 4524764793802 (Datum: ETRS89. Accuracy code: G) Altitude 480 m
Area position Area position

A small leaf-covered hole near the end of the higher level southern passage in Cueva de Coquisera (0039), documented by cavers from Madrid.
```

References: anon., 2019b (Easter logbook)
References: anon.,
Entrance pictures:
Video:
Detailed survey
Line Survey
On area survey:
Survex file :
X
4954: dig
San Antonio 30T 4457594800636 (Datum
ETRS89. Accuracy code: G) Altitude 154m

```
Area position

A rock face with no clear dig site. To the right is a possible dig with a slight draught.
```

References: anon., 2019b (Easter logbook)
References: anon., 2019b (East
Underground picture
Video :
Video:
Detailed surv
On area surve
Survex file :
x
4955: sink
Las Piqueras 30T 445706 4794507 (Datum:
ETRS89. Accuracy code: M) Altitude 609m
Area position
Updated 23rd May 2023
A site identified as a wet weather sink taking a significant amount of water and a possible site for water tracing to help assess the extent of the catchment for Fuente Aguanaz. In April 2023, it was found that a car could drive up to get within 100-150m of the site.
References: anon., 2019b (Easter logbook); anon., 2023b (Easter logbook) Entrance pictures

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```

Video:

```
Video:
Detailed survey
Line Survey :
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```

On area surv
Survex file

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\section*{4956: Daisy Hole}

\section*{4957: Tyre Hole}

San Antonio 30T 4456334800559 (Datum: ETRS89. Accuracy code: G) Altitude 168 m Length 2 m Depth 2 m Area position

A hole filled with tyres that were later removed to reveal a 2 m drop with a rock blocking access.

References: anon., 2019b (Easter logbook) Entrance pictures: May 201 Underground picture
Video:
Detailed survey
Line Survey :
On area survey
Survex file

\section*{4958: dig}

La Colina 30T 4535114796303 (Datum: ETRS89. Accuracy code: G) Altitude 410 m

Updated 21st September 2019
A 25 cm diameter hole which appear bigger further in. An easy dig. v August 2019. appeared to have been filled in by the farmer probably as it was next to a track.

References: anon., 2019b (Easter logbook); anon., References: anon., 2019
2019d (summer logbook) Entrance pictures: May 2019
```

Underground pictur

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Video :
Video:
Detailed survey
Line Survey
On area survey
Survex file

4959: cave

A walk-in passage, 8 m long by 3 m wide, to a chamber with dimensions of 11 m wide, to a chamber with dimensions of 11 m wide
7 m long \(\& 3 \mathrm{~m}\) high. A very low passage is 7 m long \& 3 m high. A very low passage is could be pushed by a small cavers. No could be pushed by a small cavers. No draught. entrance section enlarging.

References: anon., 2019b (Easter logbook) Entrance pictures : Video :
Detailed survey Line Survey n area surve Survex file :

X
4962: sink
Garzón 30T 450551 4803649 (Datum: ETRS89 Garzon
Accuracy code: G) Altitude 232 m Depth 2 m

\section*{Area position}

A round depression with rock on most sides, has a small hole on one side which sides, has a small hole on one side whic
takes water in wet conditions. No easy access.

\section*{References: anon., 2019b (Easter logbook) Entrance pictures} Underground picture Video :
Detailed survey Detailed sur Cine Survey: Survex file : X
4963: cave
Garzón 30T 4507474803683 (Datum: ETRS89 Accuracy code: G) Altitude 173 m
Area position
At one end of a very large depression is a very narrow sloping bedding under a rock face.

References: anon., 2019b (Easter logbook)
References: anon.,
Entrance pictures \(:\)
Entrance pictures :

\section*{Video:}

Detailed surve
Line Survey :
Line Survey
On area surv
Survex file
X
4964: shaft
Garzón 30T 450790 4803644 (Datum: ETRS89 Accuracy code: G) Altitude 174 m

\section*{Area position}

A slabbed over shaft at the edge of the track. Undescended as it needs enlarging at the top.
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References: anon., 2019b (Easter logbook)
Entrance pictures
Entrance pictures:
Underground pictur
Video:
Detailed survey
On area surve
Survex file :
x
4965: rift
Solórzano 30T 4533924803587 (Datum: ETRS89. Accuracy code: G) Altitude 168 m
Area position
Area position

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A depression with a small rift feature at the base, partially choked by brash, but has a slight draught. On the up-side of the same depression is a short, narrow, phreatic tube, too narrow to enter.

References: anon., 2019b (Easter logbook)
References: anon.,
Entrance pictures:
Underground picture

\section*{Video:}
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& \text { Line Survey: }
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On area survey
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& \text { Survex file : }
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x
4966: dig
Moncobe 30T 4458224798019 (Datum: ETRS89 Accuracy code: G) Altitude 148m

\section*{Area position}

A dig on the edge of a large, shallow depression in the edge of woodland. The entrance banking has collapsed into the hole making work a longer term undertaking. Some excavation has taken place but the site is still blocked below.

References: anon., 2019b (Easter logbook) Entrance pictures Underground picture Video:
Detailed survey :
Line Survey Line Survey On area surve
Survex file :

\section*{X}

MATIENZO UNDERGROUND - site descriptions (printed 19902/2024

4967: cave

The entrance is in a small outcrop behind houses. A 3 m sloping descent goes into small chamber on left with no obvious way
on.

References: anon., 2019b (Easter logbook); anon., 2019c (Whit logbook) Entrance picture : 2019
Underground picture
Video:
Detailed survey
Line Survey
Line Survey:
On area surve
On area sur
Survex file
4968: cave
Navajeda 30T 4436214901207 (Datum: ETRS89
Accuracy code: G) Altitude 77 m
Length 7 m
Area position
Updated 25th July 2019
An entrance crawl goes 2 m to a cross rift.
The left branch chokes. The right branch
extends 2 m to a bend, continuing very low.
References: anon., 2019b (Easter logbook); anon.,
2019c (Whit logbook)
Entrance picture : 2015
Entrance picture : 2019
Underground picture :
Video :
Detailed survey
Detailed sur
Line Survey
Line Survey
On area sur
Survex file :

4969: cave
Riolastras 30T 4555544803422 (Datum: ETRS89. Accuracy code: G) Altitude 105 m Length 20 m Depth 7 m Area position

First found as site X002. A hole in a small scar where a descending tube ends in a walking-size passage. The end has been excavated to uncover a 4 m pitch to a choked rift.

References: anon., 2014c (summer logbook)
References: anon.,
Entrance pictures
Entrance pictures :
Underground picture
Video :
Detailed survey
Line Surve
On area survey
Survex file

4970: Picardos, Los (Injanas III) Hoznayo 30T 4424744804812 (Datum: ETRS89. Accuracy code: G) Altitude 65 m
Area position
A small cave about 50 m west of Cueva de A small cave about 50 m west
las Injanas II (site 4444). The las Injanas II (site 4444). The
archaeological work is summarised on the archaeological
survey, below.

References: anon., 2019b (Easter logbook)
Entrance pictures : May 2019
Underground picture :
Video
Detailed survey : from Ruiz Cobo J and Muñoz Fernández E, 2013: El registro arqueológico del valle de Miera
Line Survey
On area survey
Survex file

4971: sink
Barrio de Arriba 30T 4456714799190 (Datum ETRS89. Accuracy code: M) Altitude 107 m
Area position

A wet weather sink which has some draught but would take a "major effort" to make progress.

References: anon., 2019b (Easter logbook)
Entrance pictures : Underground pictur Underground pictur Video:
Detailed surve Line Survey On area surve
Survex file :
X

4973: hole
San Antonio 30T 4454984801687 (Datum: ETRS89. Accuracy code: G) Altitude m Area position

A hole in the same scar as site 3213. The positions of each are unclear and each needs checking

References: anon., 2019b (Easter logbook) References: anon.,
Entrance pictures : Entrance pictures Video :
Detailed survey Line Survey On area surve Survex file

\section*{x}

\section*{4974: shaft}

El Naso 30T 4518544796625 (Datum: ETRS89. Accuracy code: G) Altitude 366 m Length 15 m Depth 6 m Area position

A small entrance to the north of the big rock on the El Nanso hillside; one of the "three smaller caves" originally described together with site 0150 (the others are 1529 and 2975). A 2.5 m pitch leads to a slope to the top of a 3 m pitch, below which the cave chokes in all directions. The cave has lots of calcite.

References: anon., 2019d (summer logbook) References: anon., 2019d (s
Entrance picture : July 2019 Underground pictures: July 2019 Video:
Detailed survey : July 2019 Line Survey On area surve
Survex file : Survex fil

X
4975: cave
Garzón 30T 4503404803729 (Datum: ETRS89. Accuracy code: G) Altitude 265 m Length 15 m Depth 3 m Area position

At the base of a small cliff, a slot drops into a 2 m slide/climb down to a floor with some tins and rubbish bags in a 3 m wide chamber. This is followed by an ascending chamber. This is followed by an ascending
slope which closes down after 5 m . [Site 7a; Slope whic
Phil Parker]

References: anon., 2019c (Whit logbook) Entrance pictures : Undergr
Video Detailed survey : Line Survey On area surve Survex file

\section*{X}

4976: cave
Garzón 30T 450403 4803994 (Datum: ETRS89. Accuracy code: G) Altitude 267 m Length 14 m
Area position

A walk-in cave with entrance dimensions of \(1.8 \times 2.5 \mathrm{~m}\). Inside is 14 m of passage with lots of old calcite, especially at the blocked end. The maximum dimensions are 4 mx 3.5 m but with no draught. [Site 12a]

References: anon., 2019c (Whit logbook)
Entrance pictures
Underground picture
Video:
Detailed survey Line Survey Survex file :

X
4977: dig
Garzón 30T 450405 4804001 (Datum: ETRS89. Accuracy code: G) Altitude 267 m Length 2 m
Area position

Eight metres back along the path from sit 4876 there is a draughting undercut which has been dug to give sight of a horizontal slot going inward for 1.5 m then turning to the right and appearing to continue for an estimated further 2 m . It has a good draught but would require a lot of work to make progress. [Site 12b; Phil Parker]

References: anon., 2019c (Whit logbook) References. anon.,
Entrance pictures:
Underground pictur Vnderground pic
Video:
Detailed survey :
MATIENZO UNDERGROUND - site descriptions (printed \(19 / 02 / 202\)

\section*{Line Surve}
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References: anon.,

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Underground picture
Video:
Detailed survey
Line Survey
On area survey
On area sur
Survex file

4979: dig

A \(2 \times 2 \times 2 \mathrm{~m}\) rock walled depression with a small hole in a corner. Hole appears to small hole in a corner. Hole appears outward draught. [Site 13a; Phil Parker]

References: anon., 2019c (Whit logbook) Entrance pictures Underground picture
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Underground pic

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Video:
Detailed survey
Line Survey:
On area survey
On area sur
Survex file
X

4980: dig
Las Calzadillas \(30 T 4471254795009\) (Datum:
ETRS89. Accuracy code: G) Altitude 550 m ETRS89. Accuracy code: G) Altitude 550 m Area position

A small hole with a good outward cold draught in a small depression containing a decent sized tree at one side. With a spade an earth rift was opened up between 1 and 2 m deep, appearing to run back under the small depression. It has been covered and left for a future visit with more people and gear. [Site 13b; Phil Parker]

References: anon., 2019c (Whit logbook
References: anon.,
Entrance pictures :
Video :
Detailed survey
Line Survey
On area survey Survex file

\section*{4981: dig}

Las Calzadillas 30T 4470844794955 (Datum: ETRS89. Accuracy code: G) Altitude 555 m Area position

A small hole at the end of a 4 m long depression, dropping down a metre and then, maybe, back under the depression There is no draught. NB this is not 4757. [Site 13c; Phil Parker]

References: anon., 2019c (Whit logbook) Entrance pictures Underground picture
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Video

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Detailed survey :
Detailed sur
Line Survey
On area survey
Survex file

4982: sink
Las Calzadillas 30 T 4470584794966 (Datum: ETRS89. Accuracy code: G) Altitude 559 m Area position

A small shakehole containing a (fairly) recent collapse, that probably takes some water in wet weather. [Site 13d; Phil Parker]

\section*{References: anon.}

Entrance pictures:
Video
Detailed survey
Line Survey
On area survey

4983: rift
Las Calzadillas 30T 4470524795041 (Datum: Las Calzadiilas 30 T 4470524795041 (Datı
ETRS89. Accuracy code: G) Altitude 555 m Area position

The top of a 4 m long curved debris filled rift set in a steep rock slope, immediately MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) Volume 7 - page 38
above a 6 m high cliff. There are possible
 Parker]

References: anon., 2019c (Whit logbook) Entrance pictures : Underground picture
Video:
Detailed survey Line Survey On area surve Survex file :

X
4984: cave
Las Calzadillas 30T 4470544795056 (Datum: Las Calzadillas 30 T 4470544795056 (Dat
ETRS89. Accuracy code: G) Altitude 550 m ETRS89. Acc
Length 3 m Length 3 m
Area position

At the base of the cliff containing site 4983, a hands and knees entrance into a cross rift with boulders that probably links to 4983 and has an outward draught. [Site 13f; 4983 and

References: anon., 2019c (Whit logbook) Entrance pictures : Underground pictur Video:
Detailed survey Line Survey On area surve Survex file :
x
4985: cave
Las Calzadillas 3014473854794937 (Datum: ETRS89. Accuracy code: G) Altitude 535 m Length 5 m Depth 2 m

\section*{Area position}

The entrance slopes down on leaves for \(2 m\) then levels out for 3 m to boulders on th eft with a turn to the right, leading after 1.5 m to a very low airspace continuation. A the corner a narrow rising rift to the left is similar to site 4987 and may link to it. [Site
14a; Phil Parker] 14a; Phil Parker]

References: anon., 2019c (Whit logbook)
Entrance pictures: Underground picture Video :

\section*{Detailed sur}

Line Survey: Survex file :

X
4986: diq
Las Calzadillas 30 T 4473834794938 (Datum ETRS89. Accuracy code: G) Altitude 535m Area position

Some meters above 4985, a 2 m high slot in a rock face is just too narrow to enter but larger inside. The floor slopes downwards in a narrow section to a constriction, possibly continuing but would need examination b capping. There is a cool gentle outward draught. Immediately to the left of the slot, at foot level, a low downward sloping undercut has been probed to a length of 2 m possibly continuing. [Site 14b; Phil Parker]
References: anon., 2019c (Whit logbook)
Entrance pictures : Entrance pictures Underground picture
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Video :

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Detailed survey
On area surve
Survex file :
X

4987: diq
Las Calzadillas 30T 4473784794938 (Datum: Las Calzadillas \(30 T 4473784794938\) (Datu
ETRS89. Accuracy code: G) Altitude 535 m
Area position

When approaching 4986, in a rock wall on the right, about 5 m back from 4986, there is a too narrow rift sloping down in the direction of 4985. [Site 14c; Phil Parker]
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References: anon
Entrance pictures:
Underground picture

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\section*{Video :}
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Detailed sur
Line Survey :

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On area survey :
On area sur
Survex file :
X

4988: cave
Las CaIzadillas 30 T 4471664795052 (Datum:
ETRS89. Accuracy code: G) Altitude 533 m ETRS89. Accuracy code: G) Altitude 533 m Length 6 m D
Area position

In a decent sized rock walled depression, part way up one side at the base of the rock, the entrance has a gentle outwar draught. A careful sliding 3 m descent on
leaves passes the low point and drops into leaves passes the low point and drops into a
chamber with a maximum height of 3.5 m to MATIENZO UNDERGROUND - site descripions (printed 19/02/2024
Volume \(7-\) page \(3 \leqq\)
a roof of boulders. The chamber is 1 m wide and 2 m long with a narrow cross rift forming the back wall. The rift continuation to the right has a slight outward draught and small stones seem to drop a couple of metres (Whilst inside, occasionally there was a strong breeze, suggesting another link to the surface. [Site 14d; Phil Parker]

References: anon., 2019c (Whit logbook) Entrance pictures

\section*{4989: shaft}

A small shaft besides a path on high level pen land. The depth appears to be 2 m to a choked floor but it has not been entered due to spiky things growing up the shaft. [Site 23a; Phil Parker]

References: anon., 2019c (Whit logbook) intrance picture Underground picture Video :
Detailed survey Line Survey On area surve
Survex file :
x
4994: cave
Muela 30T 4539654796555 (Datum: ETRS89 Accuracy code: G) Altitude 556 m Length 7 m Depth 2 m Area position

Updated 21st September 2019
A small draughting entrance noted below Cueva del Espino (0489) and the small pine forest below. It was opened up in the summer and a low crawl on a slope accessed to the sit-up bottom of the slope. accessed to the sit-up bottom of the slop chamber which is heavily pocketed and has debris on the floor. The draught emerges debris on the
The whole cave appears to be in heavily altered limestone (grainy with white, grey and pink colour) which seems to be affected by hydrothermal activity.

References: anon., 2019c (Whit logbook); anon. References: anon., 201
2019d (summer logbook Entrance pictures : ]u) 2019 : July 2019 : IR photos, July 2019 Underground pictures: July 2019 nderground pictures: July 2019
Misceo :
Detailed survey
Detailed sur
Line Survey
Line Survey:
Survex file :
x

4995: cave La Secada 30T 4515684797127 (Datum: ETRS89. Accuracy code: G) Altitude 245 m Length 8 m Area position

A wide entrance among trees quickly narrows to a tight slot upwards pas flowstone to a second smaller entrance hidden behind the grass and vegetation

References: anon., 2019d (summer logbook)
Entrance pictures: July 2019 Underground pictures: July 2019 Video:
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Detailed sur

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One Survey :
Survex file
X

4996: resurgence Riaño 30T 4508234799434 (Datum: ETRS89 Accuracy code: G) Altitude 257m Length 1 m

\section*{Area position}

A tiny choked resurgence behind a water trough.

References: anon., 2019d (summer logbook) References: anon., 2019d (sur
Entrance pictures : July 2019 Underground pictures Video:
```

Detailed

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X
4997: dic N Vega 30T 4495694795934 (Datum: ETRS89 N Vega 30T 4495694795934 (Dat
Accuracy code: G) Altitude 338m Accuracy cod

A draughting hole at the base of a smal cliff needs enlarging.

References: anon., 2019d (summer logbook) Entrance pictures : July 2019 Underground pictures Video: Detailed surve On area surve
O Survex file :

\section*{Length 3 m
Area position}

Updated 29th September, 28th November 2023

A draughting 2.5 m shaft to a further drop where stones fall for 5 seconds. Needs digging out. Lies about 50 m SE of 0495 . An digging out. Lies about 50 m SE of 049
old grid reference puts the site at 30 T old grid reference
4516774795194.
A visit in November 2023 found a slight draught but stones couldn't be made to drop for 5 seconds.

References: anon., 2019d (summer logbook);
anon., 2023c (summer logbook); anon., 2023d (autumn logbook Entrance pictures : Undergr
Video :
Video:
Detailed survey Detailed su
Line Survey On area surve Survex file

\section*{4999: shaft}

\section*{s Vega 30T 4516 \\ (Datum: ETRS89} Accuracy code: G) Altitude 222 m

A draughting shaft that needs digging.
References: anon., 2019d (summer logbook) References: anon.,
Entrance pictures Underground pictures Video :
Detailed survey : Line Survey : On area surv
On
Survex file : Survex file pos

This became the 17th entrance into the Four Valleys System when a short excavation at the surface broke into Fridge Door Cave close to station 1800-22-06.93. (See Fridge Door Cave (1800) for prospecting in the area the previous year.) prospecting in the area the previous year.)
Subphones, hammering, radios and voices were all used with success at the location and excavation took place. Indeed, the lono drill used at the surface was seen in action drill used at the surface was seen in actior underground. The entrance (using a code that was kept back for an important site) is now gated and a narrow tube stabilises the short crawl into the system. Initially dug t allow divers much easier access to sum (rather than having to dive in through sumps 1 and 2), the entrance is proving very useful in pushing at the north and eastern end of the cave.

As the actual extra length of 5000 is only a couple of metres, all finds made in Fridge Door Door through this entrance are still recorded within site 1800. Below, the links to photos, etc chronical the opening up of the hole and a family trip to the link point with Cueva Llanío (3234, found at Easter 2023).

References: See also 1800; anon., 2023c (summer logbook); anon., 2023d (autumn logbook) Entrance pictures : July 2023: 22nd, 25th, Digging out the entrance and ir out the entrance and 1023
installed : autumn 2023
Underground pictures .
Video : 22nd July excavating the entrance: 3rd August family trip Detailed survey : See 1800 Line Survey: On area survey : 1800
Survex file : See

\section*{Area position}

A rift descends several metres but is choked with farm rubbish and is "not a pleasant prospect".

References: anon., 2019d (summer logbook) References: anon., 2019d (summ Entrance picture : Aug
Underground pictures Video :
Detailed survey
Line Survey
On area surve
x
5003: shaft
Las Calzadillas 30T 4490324795686 (Datum: Las Calzadillas 30 T 4490324795686 (Dat
ETRS89. Accuracy code: G) Altitude 405 m Area position

A small shaft below Lorry Pot (1776).

This site is 5 m north of 2995. It been capped to a tight left hand squeeze which needs a thin person to investigate.
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References: anon., 2019e (autumn logbook)

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Underground pictu
Video:

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Detailed survey
Line Survey :
Line Survey:
On area sur
Survex file :
x

5005: Tractor Tyre Shaft Barrio la Mina 30T 4457034799917 (Datum ETRS89. Accuracy code: M) Altitude 268 m Length 15 m Depth 9 m

\section*{Area position}

A tractor or wagon tyre blocked this hole when it was found in the summer.
A 4 m pitch leads to two ways on. Down is a tight vertical squeeze to a choke
Horizontal is a low crawl through loose boulders which then becomes too small Just up the slope a few metres are two overtight rifts.

References: anon., 2019e (autumn logbook)
References: anon., 20
Entrance pictures :
Entrance pictures:
Underground pictures

\section*{Video :}

Detailed survey Line Survey On area survey Survex file Accuracy code: G) Altitude 78 m

A possible cold store next to a broken down wall. The draught comes out of very small, horizontal cracks. A non-starter.

References: anon., 2019e (autumn logbook)
Entrance pictures : Underground pictures Video:
Detailed survey Line Survey Survex file
x
5007: shaft
Monte Llusa 30T 4499454804740 (Datum ETRS89. Accuracy code: G) Altitude 358m Depth 8 m

\section*{Area position}

A shaft, possibly 8 m deep, found at the start of the ridge up to Monte Llusa Undescended.

\section*{Line Surve} Undescended.

References: anon., 2019e (autumn logbook) Entrance pictures : October 2019 Underground pictures
Updated 11th January 2020
A scramble down boulders leads into a
small cave with a mud floor. The narrow
arched ceiling soon lowers. Survey to come
References: anon., 2019f (Christmas logbook)
Entrance pictures: January 2020
Entrance pictures: January 2020
Underground pictures : January 2020
Video:
Detailed survey
Line Survey
On area survey
Survex file

\section*{5010: shaft}

La Secada 30T 4523654797799 (Datum: ETRS89 Accuracy code: G) Altitude 186 m
Length 7m

\section*{Updated 11th January 2020}

A small dug-out entrance leads into an awkward downward wriggle to a 5 m drop. This narrow pitch leads into a chamber with fine formations. Best rigged using a tree near the entrance

References: anon., 2019 f (Christmas logbook) Entrance pictures : January 2020 Underground pictures : January 2020 Video
Detailed sur
Line Surve
On area su
On area sur
Survex file

X
5011: cave crawls at the back

References: ; anon., 2020a (January, February logbook)
Entrance picture : November 2019 Underground pictures : November 2019
Video :
Detailed survey : sketcr
Line Survey :

5012: dig
Villanueva 30T 4477834804189 (Datum: ETRS89 Villanueva 30T 4477834804189
Accuracy code: A) Altitude 83 m Area position

Updated 16th September 2020

\section*{First documented as site X001.}

A draughting hole near the roadside, behind a cultivated hedge surrounded by flowers. "Digging is unlikely to be appreciated!
There is also a draughting hole on the scar a few metres up the road.

References: anon., 2014c (summer logbook);
anon., 2020c (Spring, summer logbook
Entrance pictur
Underground pictures
Video :
Detailed survey
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Survex file
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\title{
5013: Urodelos, Torca d
}

\section*{(LC227)}

Cierrolinos 30T 4496514804605 (Datum: ETRS89 Accuracy code: G) Altitude 344 m Length 23 m Depth 17 m Area position

Updated 20th September 2021; 9th January 2023

Note: This area of fenced shafts is grazed by cattle Note: This area of fenced shafts is grazed by catte
The farmer has protected the animals by fencing, allowing vegetation and saplings to run wild around
the shafts and piling in extra dead branches, etc. In the shafts and piling in extra dead branches, etc.
August 2021 he was not happy with having these August 2021 he was not happy with having these
defences disturbed. A conversation is required to defences disturbed. A conversation is red
allow further investigations in the area.

First documented as MCP site X003. The shaft was investigated in August 2021 when 2 ladders were found to be too short in a fine shaft disto'd to 15.7 m . It was explored by La Cambera in a "beautiful 17 m shaft" Up from the bottom, a gallery becomes impenetrable after 4 m and, at the shaft base, there is a small hole that was open up not pushed "due to lack of interest". References: anon., 2019b (Easter logbook); anon.,
2020a (January / February logbook); anon., 2021c (summer logbook); anon., 2022e (Christmas logbook)
logbook)
Entrance pictures : 2020 : August 2021 and
January 2023 January 2023
Underg
Video:
Detailed survey
Line Survey:
On area surve
Survex file :
x
5014: shaft
Cierrolinos 30T 449708 4804610 (Datum: ETRS89 Accuracy code: G) Altitude 355 m Length 16 m Depth 14 m

\section*{Area position}

Updated 20th September 2021; 9th January, 9th February 2023
Note: This area of fenced shafts is grazed by cattle.
The farmer has protected the animals by fencing The farmer has protected the animals by fencing, allowing vegetation and saplings to run wild around
the shafts and piling in extra dead branches, etc. In August 2021 he was not happy with having, these
defences disturbed. A conversation is required to August 2021 he was not happy with having these
defences disturbed. A conversation is required to allow further investigations in the area.

First documented as site X004. An undescended, fenced shaft. Although a route was cleared to the shaft top on \(1 / 8 / 21\), the farmer was not happy (see above) and escorted the team off the area.
[Probably not correct::: The choked shaft was explored in January 2023 by La Cambera group when they found a number of goat skeleton at the base. Site 5101 was of goat skeleton at the base. Site
deemed to LC228 in January 2023.

References: anon., 2019b (Easter logbook); anon., 2021c (summer logbook); anon., 2022e (Christmas Entrance picture :
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Undergr

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Video:
Detailed survey:

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Survex file :
x

5015: shaft
Cierrolinos 30 T 4496954804580 (Datum: ETRS89 Accuracy code: G) Altitude 355 m
Length 9 m Depth 6 m Area position

Updated 20th September 2021
Note: This area of fenced shafts is grazed by cattle. The farmer has protected the animals by fencing, The farmer has protected the animals by fencing,
allowing vegetation and saplings to run wild around the shafts and piling in extra dead branches, etc. Ir
August 2021 he was not happy with having these August 2021 he was not happy with having these
defences disturbed. A conversation is required to defences disturbed. A conversation is required
allow further investigations in the area.

First documented as site X005. A 6 m drop First documented as site
ends at a 3 m rift with stal.
References: anon., 2019b (Easter logbook
2020a (January / February logbook); 20th
September 2021
September 2021
Entrance pictures : 2020 : August 2021
Underground pictures
Underg
Video
Detailed surve
Line Survey:
On area surve
On area surve
Survex file :
x

5016: shaft
Cierrolinos 30 T 4496704804555 (Datum: ETRS89. Accuracy code: G) Altitude 348 m
Length 10 m Depth 10 m Length 10 m
Area position

Updated 20th September 2021
descripions (printed 19/02/2024)
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19/02/20224 \\
Volume \(7-\) page 45
\end{tabular}

Note: This area of fenced shafts is grazed by cattle
The farmer has protected the animals by fencing, The farmer has protected the animals by fencing,
allowing vegetation and saplings to run wild around the shafts and piling in extra dead branches, etc. In August 2021 he was not happy with having these allow further investigations in the area.

First documented as site X006. The 9.5 m pitch drops past decaying stal and ends on a pitch drops past decas
mud floor with bones.

References: anon., 2019b (Easter logbook); anon., 2020a (January / February logbook); anon., 2021c 2020a (January / February
(summer logbook) 2020 : August 2021 Entrance picture : 2020 : August 202 Underg

First documented as site X007
An undescended, fenced shaft.
```

References: anon.,

```
Entrance picture
Underground pictures
Video :
Detailed survey
Detailed sur
Line Survey
Line Survey :
On area survey
Survex file
5018: shaft
Cierroinos \(30 T 4496454804371\) (Datum: ETRS89
Accuracy code: G) Altitude 338m
Accuracy code
Area position

First documented as site X008. An undescended, fenced shaft.

References: anon., 2019b (Easter logbook) Entrance picture :
Under
Detailed survey Line Survey : On area survey
Survex file :

5019: cave
Cierrolinos 30T 4497764804494 (Datum: ETRS89 Cierrolinos 30T 4497764804494
Accuracy code: G) Altitude 373 m
Accuracy code: G) Altitu
Length 15 m Depth 5 m Area position

First documented as site X009
A walk down at one side into a possible collapsed chamber with an undercut.

References: anon., 2019b (Easter logbook) Entrance picture : d pictures
Video :
Detailed survey
Line Survey :
On area survey
Survex file
5020: shaft
Cierrolinos 30T 4495944804569 (Datum: ETRS89.
Accuracy code: G) Altitude 328 m
Area position

First documented as site X010. A deep depression with a possible shaft.

\section*{Accuracy code:}

First documented as site X012
A small shaft with many small trees (10/4/19) References: anon., 2019b (Easter logbook) Entrance picture:
Underground pictures : Video: Detailed surve ine Survey On area surve Survex file :

X
5023: Villanueva, Fuente de Villanueva 30T 4477574804095 (Datum: ETRS89 ccuracy code: G) Altitude 81m ength 915 m Height 22 m Area position Updated 15th May, 16th September, 31st October 2020; 5th March, 21st May 2021
May, 4th October 2022; 23rd May 2023

Joint exploration with La Cambera was hoped for at Easter 2022, but the club was elsewhere

First documented as site X013. The
working name is shown above until a loca name is obtained.
A large entrance to a resurgence cave. he dammed water outlet reaches a cana with deep, cold water after 30 m . A tourist trip in the summer, 2019 reached a draughting rift. The site was dry at the entrance when visited in the summer, 2020 but produces copious quantities of water in flood. In April 2022, the water levels seemed to be much higher than the firs MCP visit as a bouldery climb at the end was not found and was presumed to be under not found and was presumed to be under water. There wa
La Cambera reached the canal in January La Cambera reached the canal in January or but be arrang ould be arranged.
The entrance position appears to be pinpointed with mapas.cantabria.es LIDAR information at 447757, 4804104. A GPS reading 10 m to the west, in the entrance gorge, was 447744, 4804104. A surface survey is required, possibly up to a field boundary next to the road above.

The water in the cave is held back by a low dam to the side of the cave entrance. This forms the intake for the water for the cattle troughs by the car park.
The boulders in the entrance chamber can be seen to go up at least 8 m very close to the road above. Almost immediately, the very cold water forms a deep narrow canal which is fairly straight but short arses need to swim. At one point, a constriction above water is best tackled as a duck under. About 10 m beyond the narrow point, short passages on the north side (true right) lead to a cross joint about 1.5 m above the sump proper. This is a roomy rift entered by ducking under the wall about 3 or 4 m beyond the aerial passages. (Terry Whitaker logbook 17/4/2022)

On a visit in wet weather (17/4/22), there was no draught, water levels were up and the rift at the end was not seen. An exploratory dive by Jim Lister reached a large underwater passage with a cobble floor. This was a major objective for the summer 2022 and the cave was extended with 8 sumps documented. Note that the with 8 sumps documented. Note that survey contains "best guess" sections
through murky sumps, and there are issues through murky sumps, and there are issu detail.

The following description is based on gook entries by Jim Lister and Mark Smith, 16-19th August 2022.

From the back of the entrance chamber deep water leads to sump 1. The route through has been lined through the deep water (?). The sump had obviously seen better days. Fertilizer and bits of animal manure seemed to be floating in the sump. The sump descended for 6 metres and approx 35 metres before surfacing in a approx 3
Murky sump 2 is met after approx 10 metres and is about 20 m in length. After approx 70 m , sump 3 is reached, this time with crystal clear, blue water. The underwater passageway goes steeply down into a nice canyon and easy dive, surfacing after approximately 45 m
Streamway was followed for a while Streamway was fore reaching another sump pool (sump 4 later dived by JL - see below) and a drafting ascending ramp to the left is followed. This continues through a few boulder filled chambers, one with a way on in the roof.
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The sharp shell encrusted rift passageway
continues for a while to a traverse over a 5 m drop (bottom checked), with a passageway leading to the right which entered a series of chambers.

Down led to both an upstream and downstream sump (sump 5 and sump 6 downstream sump (sump 5 and sump 6 another boulder choke with no clear way on. A draughting route to the north can be A draughting route to the north can be followed for approx 70 m to a 5 m pitch down to a sloping slab. A 2 m climb down enters a watery chamber with a sump downstream (sump 7 ? not marked on survey) ar
large chamber with unexplored roof. large chamber with unexplored roof.
Upstream is a regular stream passage Upstream is a regular stream passage. Two side passages to the left would destroy wetsuits. The second one has a potential way on in the roof.

The way on continues over fallen blocks in tight passageway before turning left and getting really tight. Passageway goes to a 3 m climb which was ascended and the passageway beyond continued but small and full of sharp shells.

Sump 4 remains completely clear while exploring beyond, indicating the explored passageway could be an inlet. When dived passageway could be an inlet. When dived, approx 100 m of passageway was followed but, again, it ended in a tight rift full of
shells. There is a sump (not numbered) shels. There is a sump (not numbered)
further back that cleared, so it looks like this further back that cleared, so it looks like this is the main way on. Sump 4 extension was
surveyed in April 2023 and will appear on
the system survey below.

References: anon., 2019b (Easter logbook); anon., References: anon., 2019b (Easter logbook); ano
2019c (summer logbook); anon., 2020c (Spring, summer logbook); anon., 2020d (autumn logb anon., 2022b (Easter logbook); anon., 2022c
(summer logbook); anon., 2023b (Easter log (summer logbook); anon., 2023b (Easter logbook)
Entrance pictures : 2019 : 2020-2021:2022 : surroundings
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Underground pictures : April 2022

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Video : Passage, dive site and diving, April 2022
Entrance chamber, August 2022 : Laying a line
through sump 1 A Agust 202 : Betwe
through sump 1, August 2022 : Between sumps 2
and 3, AUgust 2022 : Laying line through sump 3,
August 2022
Detailed survey : April 2022 - preliminary : August
Detailed survey : April 2022 - preliminary : A
2022 (note unsurveyed sections) : April 2023
Line Survey
On area survey
Survex file : August 2022 : April 2023
5024: shaft
Cierrolinos 30T 4497614804683 (Datum: ETRS89
Accuracy code: G) Altitude 362 m
epth \(3 m\)

\section*{First documented as site X014}

An open, \(3 \mathrm{~m} \times 1 \mathrm{~m}\) hole with soil and rock sides and the floor about 3 m down. There is a possible way on at the east end.
```

References: anon., 2019c (Whit logbook)
Entrance picture :

```
Underground pictures
Video :
Detailed survey
Line Survey
On area survey
Survex file

\section*{5025: shaf}

Cierrolinos \(30 T 4495774804711\) (Datum: ETRS89 Ccuracy code: G) Altitude 342 m

First documented as site X015. A slanting shaft that needs work to reach a visible point about 6 m down. There is a slight outward draught

References: anon., 2019c (Whit logbook) Entrance picture Underground pictures Video:
Detailed survey Line Survey: On area surv
Survex file :
Updated 30th September 2023

First documented as site X016: A 3m deep rift which is blocked with rubbish.

In the summer 2023, it was found open and clear to the base of a 3 m climb down. At the base a duck under a flakeis followed by 4 m of stooping passage to a short climb down a calcite wall, another drop, then a downward slope to a complete blockage of rubbish, with no draught. From the base of the entrance climb to the end, the floor, sides and roof are adorned with rubbish, with broken glass on the floor. This cave MATIENZO UNDERGROUND site descripioions (printed 1902/2024) Volume 7 - page 48
seems to flood to the bottom of the entrance climb in wet weather. [Description: John Southworth]

References: anon., 2019d (summer logbook); anon., 2023c (summer logbook) Entrance picture Underground pictures Video :
Detailed survey : from a sketch, August 2023 Line Survey On area surve
Survex file :

X
5027: Hoyo de la Ribera, Cueva de del Cierrolinos 30T 4495294804617 (Datum: ETRS89 Accuracy code: G) Altitude 317 m Length 22 m

\section*{Area position}

First documented as site X017
A small entrance to walking-size passage. Surveyed by Emilio \& co and the MCP.

References: anon., 2019e (autumn logbook);
anon., 2020a (January / February logbook) Entrance picture : 202
Underg
Video :
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ideo:

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Detailed surve

```
Line Survey :
On area survey :
Survex file : yes
X
5028: shaft
Cierrolinos 30T 4495424804621 (Datum: ETRS89.
Accuracy code: G) Altitude 321 m
Length 3 m Depth 3 m
Area position

First documented as site X018
A 3 m deep rift with a 1 m narrow rift.
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References: anon., 2019e (autumn logbook)

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References: anon
Entrance picture
Underground pictures
Video:
Detailed survey
Line Survey
On area survey :
Survex file :
X
5029: cave
Monte Llusa \(30 T 4494354805285\) (Datum:
ETRS89. Accuracy code: G) Altitude 332 m
Area position

\section*{Updated 12th November 2022}

After an agreement with La Cambera, this site has been reserved for probable exploration at Easter 2022 by named members of the Matienzo Caves Project.

First documented as site X019.
A hole sloping down behind a boulder requires further investigation. A jungle bash to locate the hole near the end of September 2021 was unsuccessful as was the next attempt in October 2022. However easy access paths were founds in the area.

References: anon., 2019e (autumn logbook);
anon., 2021d (autumn logbook); anon., 2022d anon., 2021d (autu
(autumn logbook)
```

Entrance picture

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Underground pictures
Video:
Detailed survey
Detailed sur
Line Survey
Survex file
X

5030: shaft
Monte Llusa 30T 4495074805147 (Datum: ETRS89. Accuracy code: G) Altitude 285 m Area position

First documented as site X 020
An unexplored shaft in very difficult terrain.

References: anon., 2019e (autumn logbook) References: anon.,
Entrance picture :
Underground pictures

\section*{Video :}
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Detailed
Line Survey:

```
On area surve

Survex file :
x
5031: shaft (LC233) (Viejo, Torca del)
Cierrolinos 30T 4493034804911 (Datum: ETRS89. Accuracy code: G) Altitude 302 m Length 80 m Depth 59 m
Area position Area position

Updated 21st May 2022; 9th February 2023
After an agreement with La Cambera, this site has been reserved for probable MATIENZO UNDERGROUND - site descriptions (printed
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\[
\begin{aligned}
& \text { ploration at Easter } 2022 \text { by named } \\
& \text { embers of the Matiento Caves Proiec }
\end{aligned}
\] members of the Matienzo Caves Project.

First documented as site X021. "A large, pen shaft, about 15 m deep." This was explored on \(7 / 4 / 2022\) with the following description edited from the following
logbook.

A Y-hang leads to another nearer the main shaft. At about 8 m depth is a hole through which negotiable passage is visible. The main shaft continues almost vertically for about 60 m (?) to a steep, roofed rubble heap with salamanders. The high passage curves round to the right almost doubling back on itself to a rubble-filled end with high walls. There is a draughting crack on the left wall. This could be capped to a wider part. The site has not been surveyed (so stats are guessed) and the hangers have been guessed)
removed.

La Cambera group rediscovered the shaft in January 2023, calling it Torca del Viejo with a GPS position of 4493094804933. with a GPS position of 4493094804933. Because of the size of the shaft, the cover
and the access difficulties, the original GPS and the access difficulties, the original
reading has been kept, in the header.

References: anon., 2020a (January / February logbook); anon., 2022b (Easter logbook); anon., 2023a (January, February logbook)
Entrance pictures : 2020 : April 2022 : January
2023
Under
Video
Detailed surv
Line Survey
On area survey
Survex file

5032: cave
Cierrolinos 30T 4493974804780 (Datum: ETRS89 Cierrolinos 30 T 4493974804780
Accuracy code: G) Altitude 332 m Accuracy code: G) Altitude 332 m Area position

First documented as site X022.
A low rock shelter, about 8 m wide

\section*{.}

5033: cave
Cierrolinos 30T 4493814804792 (Datum: ETRS89. Accuracy code: G) Altitude 332 m
Length 5 m

First documented as site X023.
A 5 m long cave.
References: anon., 2020a (January / February

\section*{First documented as site X025} Listed by Emilio. No further information.

The site was enlarged in places and explored over 5 trips at Easter 2022. The tops to the first and second pitches were capped out to find the base of the p8 capped out to find the base of the p8 choked. A 4 m bolted climb up reached a sharp col and a 5 m pitch dropped to the next drop, a p12. At the base, 2 high way
lead to the same choked end with a tight let rift. The large ledge alcove up-passage ends in a choked rift. On the true right hand wall is a passage that needs to be capped. There is a slight draught and very little horizontal development.

\section*{Tackle list}

P1 2 m ladder or rope
P2 8m
C1 4 m climb up to 2 bolts and hangers
P3 2.5 m continues to
P4 12 m (needs a rope protector
P5 5 m continues from P
P5 5 m continues from P4
P6 Climb down (awkward) to a tight
On C1 there are 2 bolts plus hangers. All other hangers have been removed.

La Cambera group rediscovered this hole in January 2023, calling it Torca del Spray Rojo, LC234 with a GPS position of 449345 4804974.

References: anon., 2020a (January / February ogbook); anon., 2022b (Easter logbook); anon logbook); anon., 2022b (Easter logb
2023a (January, February logbook) Entrance pictures : Easter 2022 and January 2023 Entrance pictures : Easter 2022 and
Underground pictures : Easter 2022 Video :
Detailed survey : April 2022 Line Survey On area surve

X
5036: Covachera, Cueva de 5036: Covachera, Cueva de Vilanueva 30T 447896 4804715
Accuracy code: A) Altitude 81 m Length 15 m Area position

Updated 16th September, 31st Octobe 2020; 11th November 2021; 23rd May, 30th September 2023

First documented as site X026 and first urveyed by Emilio and co
A low 8.8 m long cave (resurveyed 2020) with a possible draughting dig at the end on the right (not shown on the original survey) Two metres was gained here in September 2021. A left hand bend reaches a very low, but draughting, dig. Further progress was made in April 2023.
Two visits in August 2023 removed 25 tubs of spoil and, after passing a low passage on the left, reached a low chamber with more digging required, "but not looking very promising". The draught seemed to have been lost. It was found that the low passage on the left was taking a good draught so, next time, the digging focus will be there.

References: anon., 2020a (January / February logbook); anon., 2020c (Spring, summer logbook); anon., 2021d (autumn logbook); anon., 2023b
(Easter logbook); anon., 2023c (summer logbook) Entrance picture Video Detailed survey : original : 2020 Line Survey Survex file :

X
5037: cave
S Vega 30T 4496714795098 (Datum: ETRS89 Aceuracy code: A) Altitude 254 m Length 3 m
On a ledge, a small entrance leads to a 3 m crawl which has a boulder in the way. A low gap can be seen that needs digging out to reach a possible continuation.

Reference: anon., 2020c (Spring, summer logbook) Entrance pictures : site shown in relation to
others, at or near the cliff line (Pete Smith, June 2020) : June 2020

Underground picture(s): June 2020
Detailed Surve
Line Survey : Line Survey : Survex file :

This site was discovered while others in the area were being repositioned and reThe main entrance is a large rock-shelter hidden behind trees, but in the same cliff hidden behind trees, but in the same cliff face as site 1043 . The passage on the righ
inside the shelter is about 12 m long to a inside the shelter is about 12 m long to a choke. On the east side of the rock-shelter,
a stooping-size passage gradually gets lower a stooping-size passage gradually gets lou
and emerges at another entrance, it also connects through a crawl to another small cave that ends at a constriction. This is close to the western entrance of 1043. [Description: Peter Smith

\section*{Referenc}
Video
Detailed sur
Line Survey
On area surve
Survex file

\section*{5039: cave}

S Vega 30T 450035 4795325 (Datum: ETRS89 Accuracy code: G) Altitude 267 m
Length 6 m
Length 6 m
Area positio

This site was discovered while others in the area were being repositioned and re examined in the early summer, 2020. Low entrance to a crawl that gets smaller. Length \(6 \mathrm{~m}+\). The entrance on the right is too small. [Description: Peter Smith]

It was explored in October 2000 past a flat back wall (on a fault?) and was choked 11 m down

\section*{5041: Confinamiento, Torca de} La Secada 30 T 4518164796902 (Datum: ETRS89 Accuracy code: G) Altitude 271m
Length 6 m
Area position
\[
\text { A } 4 m \text { pitch to a small crawl }
\]

Accuracy code: G) Altitude 358 m
Area position
```

A tree-filled depression that may contain a

``` dig. Worth checking out with a good oversuit.

References: anon., 2020c (Spring, summer
logbook)
Entrance picture : 2020 Underground pictures Video :
```

Detailed

``` Line Survey : On area survey Survex file

X
5044: dig
Cierrolinos 30T 4495194804593 (Datum: ETRS89 Accuracy code: G) Altitude 305m

\section*{Area position}

A dig in a small depression in the closed dry valley below the access track from car parking. The slot on the right has a small undercut that draughts out, moving ferns seen in the emtrance photo. The floor would need digging to see if it's a prospect.

References: anon., 2020c (Spring, summer
Referenc
logbook)
Entrance picture : 2020
Underground pictures
```

Video :

```
Detailed survey
Line Survey:
Survex file :
x

5045: dig
La Secada 30T 4530104797305 (Datum: ETRS89. Accuracy code: G) Altitude 225 m
Area position
Area position
Updated 20th September 2021; 21st May 2022

A draughting dig which was excavated on six occasions in the summer 2020, after a tree fell revealing a small, draughting hole At least another 7 digging sessions took At least another 7 digging sessions took place over the summer 2021, with various
techniques being used to shatter the rock techniques being used to shatter the rock and calcite. Some work was carried out in April 2022. Further progress is expected.

References: anon., 2020c (Spring, summer logbook); anon., 2021c (summer logbook); anon., 2022b (Easter logbook)
Entrance pictures : 2020 summer : 2021 summer Entrance pictures: 2020 summer : 202
Underground pictures : 2020 summer Video: 2020 : summer 2021 Detailed surve Line Survey :
On area surve On area sur
Survex file :
x
5046: cave
Riva 30T 4548334793609 (Datum: ETRS89. Accuracy code: G) Altitude 323 m Length 4 m D
Area position

A rift hidden under boulders that drops 2 m to a slope narrowing to a dig.
References: anon., 2020d (autumn logbook) Entrance pictures : 2020 Underground pictures : 2020 Underground pictu
Video:
Detailed survey : Line Survey On area surve Survex file
X
5047: diq
Mullir 30T 4558624795473 (Datum: ETRS89 Accuracy code: G) Altitude 603 m
Area position

A prominent depression with a rock wall at the back and 2 large blocks. There is a possible dig under the largest.
```

References: anon., 2020d (autumn logbook)
Entrance pictures: 2020
Underground pictures
Video:
Detailed survey
Line Survey
On area survey
x
5048: cave
Mullir: cave
Mullir 30T 455786 4795626 (Datum: ETRS89
Accuracy code
A possible small cave behind blocks.

```

References: anon., 2020d (autumn logbook)
Entrance pictures : 2020 Entrance pictures : 2020
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Volume \(7-\) page 53
Video :
Detailed survey
Line Survey
On area surve
Survex file

5052: shaf
S Vega 30T 4509844794711 (Datum: ETRS89 Accuracy code: G) Altitude 484 m

\section*{th 6 m Depth 4 m}

Area position
A fenced hole next to the field boundary. 4 m ladder climb or slide down reveals an 4m ladder climb or slide down reveals an
interesting bedding just above the choked interesting bedding just above the choked floor with a slight draught which could be dug out

References: anon., 2020d (autumn logbook) Entrance pictures : 202 Underground picture : 2020 Video:
tailed survey Line Survey On area sur
Survex file

X
5053: shaf
S Vega 30T 4509894794696 (Datum: ETRS89
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Underg
Detailed surve
Line Survey:
On area survey

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Survex file :
x
5055: cave
S Vega 30T 4510314794711 (Datum: ETRS89,
S Vega 30T 451031 4794711 (Dat
Accuracy code: G) Altitude 494 m
Length 2 m
Area position
Area position
A small depression with a very small rift in
black limestone and a mud floor.
References: anon., 2020d (autumn logbook)
Entrance pictures : 2020
Underground picture
Video :
Video:
Detailed survey
Line Survey
On area survey
Survex file :
x
5056: diq (LC182)
Cierrolinos 30T 4492924804689 (Datum: ETRS89
Accuracy code: G) Altitude 337 m
Area position

Updated 11th November 2021
On the west slope of the Cierrolinos
depression. The hole to the right narrows down. Pending clearance.

References: La Cambera blog in anon., 2021a (January, February logbook); anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt)
lat Entrance pictures Underground picture :
Video : Video :
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Detailed surve

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Line Survey
On area surve
Survex file :
X

5057: Gallardón, Torca (LC183) Cierrolinos 30T 4492774804627 (Datum: ETRS89. Accuracy code: G) Altitude 348 m Length 2 m Depth 2 m Area position

\section*{Updated 11th November 2021}

A small sinkhole with 2 hazelnut trees. A 2 m drop and small, blowing hole in the opposite wall. A complicated dig.

References: La Cambera blog in anon., 2021a
(January, February logbob); (January, February logbook); anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt)
Entrance pictures : 2020 Entrance pictures : 2020
Underground picture : Video:
```

Detailed surve

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Line Survey :
On area survey
Survex file :
Survex filf
X
5058: cave (LC184)

䢂: cave (LC184)
Cierrolinos 30T 4490434804524 (Datum: ETRS89. Accuracy code: G) Altitude 347 m

\section*{Length 5 m D
Area position}

Updated 11th November 2021
A rock shelter with a \(5 \times 2.5 \mathrm{~m}\) entrance. At A rock shelter with a \(5 \times 2.5 \mathrm{~m}\) ent
the base there is a slight draught.

References: La Cambera blog in anon., 2021a (January, February logbook); anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt) Entrance pictures : 2020
```

Video:

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```

Detailed s
Line Survey :

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On area survey
Survex file :
x

5059: cave (LC185) Cierrolinos 30T 4490184804584 (Datum: ETRS89 Accuracy code: G) Altitude 342 m Length 4 m Depth 4 m Area position

Updated 11th November 2021
A short cave with a possible continuation in an upper crawl. Pending review. There are no draughts.

References: La Cambera blog in anon., 2021a (January, February logbook); anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt) Entrance pictures : Underground pictur ideo :
Detailed surve
Line Survey
On area surve
Survex file :
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\section*{5060: Basura, Torca de la}

A very steep ramp that ends in a meander giving way to a small room where the air is giving way to a small room where
lost through an impenetrable hole.
When explored in April 2022, it was noted, When explored in April 2022, it was noted, just before the final room, there are two high level possibilities which are probably the source of the draught.
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Video :

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Detailed survey
Line Survey:
On area survey
On area sur
Survex file
x
5061: Hornazo, Torca del
(LC187)
Cierrolinos 30T 4493654804340 (Datum: ETRS89.
Accuracy code: G) Altitude 361 m
Accuracy code: G) Altitud
Length 12 m Depth 12 m
Length 12 m
Area position
Updated 11th November 2021
An excavated entrance to a tight, 12 m pitch.
Close to 5062/LC188.
References: La Cambera blog in anon., 2021a
(January, February logbook); anon., 2021d (autumn
(January, February logbook); anon., 2021
logbook); anon., 2021e (La Cambera Rpt)
Entrance pictures : 2020
Untrance pictures : 202
Video:
Detailed survey
Detailed surv
Line Survey :
On area survey
Survex file
5062: dig (LC188)
Cierrolinos 30T 4493654804325 (Datum: ETRS89.
Accuracy code: G) Altitude 365 m
Length 6 m Depth 6 m
Area position

Updated 11th November 2021
A narrow hole blocked with blocks and mud. A stone falls 4 or 5 m . Close to \(5061 / \mathrm{LC} 187\)

References: La Cambera blog in anon., 2021a (January, February logbook); anon., 2021d (autumn
logbook); anon., 2021 e logbook); anon., 2021e (La Cambera Rpt) Entrance pictures : 202 Video :
Detailed survey
Line Survey
On area surv
Survex file
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Survex file

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References: La Cambera blog in anon., 2021a
(January, February logbook); anon., 2021d (autu Jogbook); anon., 2021e (La Cambera Rpt) Entrance pictures : Underground picture Video Detailed survey On area surve Survex file
X
5065: Aguiero curioso (LC191) Cierrolinos 30T 4494514804786 (Datum: ETRS89 Accuracy code: G) Altitude 325 m
Area position

Updated 11th November 2021
A hole between blocks accesses a tube that is choked after a few metres. This tube is to the left of the road towards Monte Llusa, crossing the new gate and in the woods.

References: La Cambera blog in anon., 2021a
(January, February logbook); anon., 2021d (au (January, February logbook); anon., 2021d (autumn logbook); anon., 20
Entrance pictures Underground picture Video :

\section*{Detailed surv}

Line Survey: On area sur
Survex file
x
5066: Michelín, Torca (LC192)
 Garzon 30 T 449765 480362
Accuracy code: G) Altitude 297 m Accuracy cod

\section*{Updated 11th November 2021}

A hole with tyres blocking access. The entrance would need enlarging.

References: La Cambera blog in anon., 2021a (January, February logbook); anon., 2021 d (autumn logbook); anon., 2021e (La Cambera Rpt) Entrance pictures : 2021 Underg:
Detailed survey Line Survey : On area sury
Survex file :
x
5067: Cópica Escarlata, Torca (LC193)
Garzón 30T 4497684803717 (Datum: ETRS89. Accuracy code: G) Altitude 305 m Length 550m Depth 120 m Area position

Updated 20th September, 11th November 2021

A continuing cave which is being explored by the La Cambera in stream and fossil passage. By \(16 / 3 / 21\), four trips had been made down pitches with the "Ayla River". I made down pitches with the Ayla River
appears to be over 300 m in length and appears to be over 100 m depth currently ending at a drop. "We 100 m depth currently ending at a drop.
notice that Copica Escarlata little by little notice that Copica Escarlata little by little
begins to narrow and make it difficult for us begins to nar
to explore."

A trip (reported on 11/4/21) explored a fossil gallery with a draught which appeared to be mainly crawling and 200 m were surveyed.
In the summer, a trip reported on \(16 / 8 / 21\), mentioned having to resurvey because of errors and also entering the Squeeze Room and the Perfume Gallery.

The following narrative is mainly Googletranslated from the report.

Right from the start, the cavity transmits good sensations. In the entrance there is a small round mushroom of an intense red color that gives its name to the cavity. The color that gives its name to
following weekend, the first entrance shaft following weekend, the first entrance sh
dropped, depositing us in a good-sized gallery. It begins with the exploration of tha gallery. It begins with the exploration of tha
gallery while the topography is carried out, gallery while the topography is carried out,
checking the good dimensions of the gallery checking the good dimensions of the gallery
that in certain places gives widths of 10 / that in certain places gives widths of 1
11 m and heights of 7 to 12 m . In this gallery you begin to perceive a current of

This gallery changes its morphology to a completely flat roof downhill crawl. This crawl ends in a room from where two possible continuations start, one with a short 2 m climb that takes us to a gallery that after a few meters a 6 m pitch appears that places us in a room that continues through a gallery that in a few meters it becomes choked. In the area of the crawl there is a contribution of water that is lost through an area between blocks at its end, which would require unblocking.

In the area of the flat roof bedding of the main gallery there is a inlet, Ayla River, which will accompany us throughout the

MATIENZO UNDERGROUND - site descriptions (printed 19002/2024 \(\begin{gathered}\text { Volume } 7 \text { - page } 5\end{gathered}\)
tour. At this point we descend a small projection. It continues through a narrow tube, "el tubogan", where a narrow meander
begins with several descending projections that ends in a small wet pitch. This reaches the Artichoke Pitch \((-10 \mathrm{~m})\). On the opposite wall a new supply of water appears through a small window that joins the main flow. At a small window that joins the main fow. At the very base of this pitch is the head of walls covered with clay.

After overcoming the previous pitch, we After overcoming we find ourselves in a somewhat chaotic area
where the riverbed disappears through a where the riverbed disappears through
window. In this area, after an upward window. In this area, after an upward
section, we arrive at the Ongi Etorri Pitc section, we arrive at the Ongi Etorri Pitch, followed by the Apa! Pitch, where again the water appears through a beautiful waterfall

At this point, another narrow meander appears with practically no unevenness. At this moment and behind a small handrail, we are at the head of the Pozo de la Ventanas. In this pitch there are two windows, a vestige of an old gallery that has been cut by this drop. The air disappears from the main gallery and continues through one of the windows. We access the gallery of this window after a pendulum. The ga of moderate dimensions (Gallery of the Spoiled Bodies) ends in a crawl, which after a small unobstruction gives way to a sinuous and narrow gallery with a low ceiling.

We arrive at the UN Room, a room decorated with small formations where couple of questions remain. We continue through another small gallery that becomes a long crawl of more than 100 meters with the floor covered with fine sand. At the end of the crawl there is an area of joints where the air disappears through a small crack that remains pending to try to unblock it. The direction of the crawl is east.

The other window is accessed through another small pendulum that leaves us in an ascending circular room where, in its center, a hole opens that leads to a short gallery ending in a chaotic area of collapse. If we continue along the main gallery, once the Pozo de las Ventanas has been dropped and passing a large rectangular block, another 5 m pitch appears, which begins a stepped meander with successive drops that ends at the moment at the current exploration point a meander baptized as the Beast from the East.

References: La Cambera blog in anon., 2021a (January, February logbook); anon., 2021c (summer logbook); anon., 2021d (
2021e (La Cambera Rpt) Entrance pictures : 2021 2021
Video
Detailed survey : from the 2021 report Line Survey
On area surv On area surv
Survex file :

5068: Gafas, Torca de las
(LC194)
1996). The cave is an archaeological site and has been surveyed by Emilio and Jesús. It was also surveyed by Pete Smith to provide \(x, y, z\) data in March 2021
A Google Translate and edited version of a windfarm document is shown below:
xtracted, translated then edited from ANEXO VII. ESTUDIO DE AFECCIÓN AL PATRIMONIO CULTURAL.pdf, one of the documents produced by Green Capital Po to support the construction of the Garm lanca wind farm.
According to the information that appears in the INVAC3, this is a site with a chronology of recent prehistory and ancient age, as it is established. The cave has a mouth, facing SE, 3.6 m wide and 2 m high which gives access to a hall 3.6 m wide and 4.4 m long, from this part a corridor (where were the archaeological materials) and then a progressively narrowing gallery 35 m long The site was discovered in the 1980s by members of P.U.S. C.I.A.T.I.C.A, who conducted a superficial survey. In a later report the existence of iron and Roman report the existence of iron and Roman ceramics is mentioned, but they do n appear in the MAPC deposit. There is contradictory information on the findings ince the ceramic fragments attributed to the Iron Age and Roman times seem that hey were not collected, therefore, they remained in the cavity, although it has not been possible to verify. Fragments probably corresponding to S-profile pots are
mentioned in the corresponding ENVAC file. There is only one fragment of a vessel in the Museum's deposit. During a recent survey of the cavity, some goat fauna remains of indeterminate age have been observed, although their coloration and the conditions of the deposit suggest that they are not very old. Its state of conservation is apparently good, although there is no evidence of an archaeological deposit in the strict sense, so its conservation cannot be assessed. However, the cavity does not appear to be However, the cavity does not appear to
altered by artificial causes This site is altered by artificial causes This site is
included in the INVAC Archaeological Included in the INVAC Archaeological
Inventory of Cantabria, with number Inventory of Cantabria, with number 064.009. Likewise, the INVAC includes a
protection environment for this deposit. protection environm
Corrective measures
Corrective measures This entrance is located on the southern
slope of Alto Escajos and on the Arroyo de slope of Alto Escajos and on the Arroyo de
Bencano, in a place known as Vaguada de Bencano, in a place known as Vaguada de
La Colodra. The location of this entrance is outside the affected surface (around 250 meters) of the wind farm, although it is within the polygonal of the same. According to oral information obtained from residents of the area, the cave of La Colodra is frequented by speleologists and is surveyed having a very extensive route of several kilometers. (Although this is likely to be referring to El Cubillón in the valley below). That is why, although the mouth of the cave is not directly affected, we believe it is necessary to adopt corrective measures to preserve the integrity and conditions of the cavity. As corrective measures for the cavity. As corrective measures for the
affection on this deposit, the following are proposed: Signing of the place assigned by proposed: Signing of the place assigned by
the INVAC coordinates to the Cueva de La Colodra and marking a 25 -meter Colodra and marking a
Signposting of the entrance to the Cueva - Signposting of the entrance to the Cu
de La Colodra, marking an area of 50 meters around it meters around it
- Prohibition of carrying out any type of work in that marked area
- Carrying out a geological study to determine if the park's construction works pose a risk to the integrity and environmental conditions of the cave, paying special attention to preserving its water system and possible vibrations caused. - No work will be carried out that involves a change in the directions of water flows that may affect the karstic system of the Cueva de La Colodra. Archaeological monitoring of the wind farm works to verify compliance with these corrective measures.

References: Pintó Alfonso et al, 1996; anon., 2021a (January, February logbook); anon., 2021b (Spring ogbook) Entrance pictures : 2006 summer
Underground pictures : March 2021 Video :
Detailed survey : from BCE 12 : Muñoz / Ruiz Cobo Line Survey:
On area survey :
Survex file : 3d file, March 2021
X
5070: shaft (LC209)
Trillos 30T 4479144793530 (Datum: ETRS8 Trillos 30T 447914 4793530 (Dat
Accuracy code: G) Altitude 761 m Depth 4m

During Spring 2021, the Club de Montaña y Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering some MCP sites and finding new ones. They
somering

MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024 \(\begin{gathered}\text { Volume } 7-\text { page } 5\end{gathered}\)
documented this site in their blog as LC209 describing it as having a shaft top of \(30 \times\) 35 cm , enlarging about 3
entrance needs enlarging

Reference: anon., 2021b (Spring logbook)
Entrance picture : 2021 Entrance picture : 2021
Underground pictures : Video :
Detailed survey Line Survey On area surv Survex file

\section*{5071: shaft (LC205)}

Alisas 30 T 4477224793746 (Datum: ETRS89. e 722 m Area position

Updated 11th November 2021
During Spring 2021, the Club de Montaña y Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering some MCP sites and finding new ones. They documented this site in their blog as LC205, describing it as having a shaft top of \(1.5 \times\) 0.6 m and about 15 m deep. According to the blog 16/5/2021 the shaft was explored to 10 m where it chokes.

The hole is very close to 5073 (LC210).

5072: shaft (LC198
Alisas 30 T 4475104794065 (Datum: ETRS89. Accuracy code: G) Altitude 652 m Length 11 m Depth 7 m Area position

Updated 19th September, 11th November 2021

During Spring 2021, the Club de Montaña y Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering some MCP sites and finding new ones. They some MCP sites and finding new ones. They
documented this site in their blog as LC198, documented this site
describing it as having a \(7 \times 3 \mathrm{~m}\) entrance describing it as having a \(7 \times 3 m\) entranc
aligned to the east. An unexplored ramp aligned to the east. An unexplored ran
drops to where 2 openings are visible. This was explored by the MCP in August This was explored by the MCP in August 2021. A drop of 5 m reaches the floor. To the east, the route is too small and another can be seen dropping further down. This is far too tight. To the west is a 2 m drop into some 4 m of passage choked by boulders.
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Reference: anon., 2021b (Spring logbook); anon.,

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Reference: anon., 2021b (Spring logbook);
2021c (summer logbook); anon., 2021d (aut
logbook); anon., 021 e (La Cambera Rpt)
Entrance picture : 2021
Entrance picture : 2021
Undergr
Video :
Video :
Detailed survey
Line Survey :
On area survey
Survex file
5073: shaft (LC210)
Trillos \(30 T 4477234793747\) (Datum: ETRS89.
Accuracy code: G) Altitude 721 m
Arillos 30 T 4 47723 4793747 (Datu
Accuracy code: G) Altitude 721 m
Area position
Updated 11th November 2021

During Spring 2021, the Club de Montaña Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering
pdated 11th November 2021
During Spring 2021, the Club de Montaña Espeleología La Cambera explored around Alisas-Los Trillos area, rediscovering some MCP sites and finding new ones. They ocumented this site in their blog as LC212 describing it as a p14 ending in a narro

Reference: anon., 2021b (Spring logbook); anon., 2021d (autumn logbook); anon, 2021e (La Camber
ntrance picture : 2021
Underg Detailed surve
Line Survey: Line Survey On area sur
Survex file :

X
5075: Muro Oscuro, Torca del (LC213) Trillos 30T (Datum: ETRS89. Accuracy code: M) Altitude 739 m
Length 5m Depth 5 m
Area position
Updated 11th November 2021
During Spring 2021, the Club de Montaña Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering some MCP sites and finding new ones. They documented this site in their blog as LC212, describing it as a choked 5 m deep pit with a \(1 \times 0.5 \mathrm{~m}\) entrance.

Reference: anon., 2021b (Spring logbook); anon.,
 2021d (autumn log
Rpt)
Entrance picture Underground pictures Video:
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Detailed surv

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Line Survey :
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On area survey

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Survex file :
X

5076: Bolas, Torca (LC208) Trillos 30T 4479134793344 (Datum: ETRS89 Trillos 30 T 4479134793344 (Datu
Accuracy code: G) Altitude 709 m Length 12 m Depth 12 m Area position

\section*{Updated 11th November 2021}

During Spring 2021, the Club de Montaña Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering some MCP sites and finding new ones. They ocumented this site in their blog as LC208 (originally LC195), describing it as an almos perfect tube, 12 m deep pit. The entrance is covered with one block.
There is no mention of either LC208 or LC195 in the Cambera 2021 report.

Reference: anon., 2021b (Spring logbook)
Entrance pictures : 2021 Underground pictures Video:
Detailed surve Line Survey Survex file:

X
5077: cave
Bosmartín 30T 4504034797331 (Datum: ETRS89 Accuracy code: G) Altitude 497m Length 2 m
Area position
A small cave at the base of the second cliff ine above the road. Passage goes 2 m to a possible dig, but there is no draught.

Reference: anon., 2021c (summer logbook)
Entrance pictures: July 2021
nderground pictures
Detailed survey One Survey Survex file :

X
5078: Buena Onda, Cueva de la (LC225)
Garzón 30T 4489884803981 (Datum: ETRS89 Accuracy code: G) Altitude 272 m Length 12 m

Updated 18th February, 4th October 2022
This site was later found and named by La Cambera (30T 4489844803980 ).
A slope down in a woodland depression leads to a small rubbish tip, including a microwave. A small passage, with boulders at the entrance, leads to a small draughting rift on the right which, according to the rift on the right which, according to the
Cambera blog (14/8/2022 - in the MCP

MATIENZO UNDERGROUND - site descriptions (printed 19002/2024 \(\begin{gathered}\text { Volume } 7 \text { - page } 61\end{gathered}\)
logbook), has been dug with possibilities:
A climb down of about 3 m has a small Araughting hole in the floor. This enters a small space where a small inlet enters and a narrow joint of less than 20 cm through which the air is coming. About 2 m away which the air is coming. About \(2 m\) away
there is an ovoid-shaped window through there is an ovoid-shaped window through which you can continue. A few meters later,
a pressure tube appears located about 170 a pressure tube appears located about 170 cm from the ground through which the air emerges. The tube has the dimensions of a caving helmet for about two meters o travel. Beyond, you can see how it widens
slightly. slightly.

Reference: anon., 2021c (summer logbook); anon. Reference: anon., 2021 c (summer logbook), ano
2021 f (Christmas logbook); anon., 2022a (January, ruary logbak); Entrance pictures: February 2022 Underground pictures : November 2021 . Underground
February 2022 Video : February 2022 (YouTube) Video : February 2022 (YouTube)
Detailed survey : sketch 2021 Line Survey :

\section*{5079: dig}

\section*{La Gatuna 30 \\ 401794799267 (Datum: ETRS8} Accuracy code: G) Altitude 305 m
Area position

A possible dig.
Reference: anon., 2021c (summer logbook) Reference: anon.,
Entrance pictures

Discovered while searching for site 0229. A shaft hidden by a heather bush at the base of a small limestone outcrop. At 5 m depth, a 3 inch wide rift continues. There is no draught.

Reference: anon., 2021c (summer logbook) Entrance pictures: July 2021
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erground pictures: July 2021

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Video :
Detailed survey : July 2021: plan elevation
Line Survey
On area sur :

5081: Gusano, Cueva del

\section*{S Vega 30T 4507964795185 (Dat}

\section*{Length 17 m Depth 8}

\section*{Area position}

In a small shakehole, the draughting excavated entrance slopes down to a slot excavated entrance slopes down to a slot
into a small chamber. The way on, directly into a small chamber. The way on, directly
beneath the slot, is a 4 m climb down with a beneath the slot, is a 4 m climb down with handline into a rift. It continues through a squeeze to another small chamber, where short side-passage enters on the right. / crawl straight ahead turns sharp left into a passage where the floor was dug out but this ends abruptly at a draughting hole in bedrock. [Pete Smith]

Accuracy code: G) Altitude 707 m
Area position
"A tight entrance going down."
Reference: anon., 2021c (summer logbook) Reference: anon.,
Entrance picture Underground pictures Video :
Detailed survey Line Survey On area surve
Survex file :
x
5084: shaft
N Vega 30T 4497754795948 (Datum: ETRS89 Accuracy code: G) Altitude 284 m Length 8 m Depth 5 m Area position

Located close to site 4165, a 4m pitch drops onto a slope into a small space.

Reference: anon., 2021c (summer logbook) Reference: anon., 2021c (sum
Entrance picture : July 2021 Underground pictures Video:
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Detailed surve

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Line Survey :
On area survey
Survex file :
X
5085: shaft
Mullir 30T 456424 4795091 (Datum: ETRS89.
Accuracy code: M) Altitude 520 m
Length 20 m Depth 12 m
Area position

An open shaft, first spotted by drone. The 12 m deep hole is completely choked. Base dimensions are 7 m E-W and \(5 \mathrm{~m} \mathrm{~N}-\mathrm{S}\).

Reference: anon., 2021c (summer logbook)
Entrance picture : August 2021
Entrance picture : August 2021
Video : August 2021 (YouTube)
Detailed survey
Line Survey
On area surve
Survex file
X
5086: diq
El Naso 30T 450713 4797220 (Datum: ETRS89. Accuracy code: G) Altitude 452 m
Area position
A choked dig.
Reference: anon., 2021c (summer logbook) Entrance picture Underground pictures
Video :
Detailed survey
Line Survey
On area survey
On area surv
Survex file :
x
5087: cave
Mullir 30T 4558888 4795104 (Datum: ETRS89
Mullir 30 T 4558884795104 (Datu
Accuracy code: G) Altitude 590 m
Length 2 m
Area position

A small cave under a scar collapse.
Reference: anon., 2021c (summer logbook) Entrance picture : August 2021 Underground pictures Video: Detailed survey On area surve Survex file :
x
5088: shaft
Mullir 30T 455983 4795211 (Datum: ETRS89 Accuracy code: G) Altitude 568 m Length 8 m Depth 5 m
Area position
A 5m deep rift.
Reference: anon., 2021c (summer logbook) Entrance picture : August 2021
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Underground pictures

```
Video :
Detailed survey :
Detailed surve
On area survey
Survex file :
x
5089: Dos Árboles, Cueva de
los
\(\overline{\text { S Vega }} 30 \mathrm{~T} 4517714794755\) (Datum: ETRS89.
S Vega 30T 4517714794755 (Datu
Accuracy code: A) Altitude 423 m
Accuracy code: A) Altitu
Length 50 m Depth 5 m
Length 50 m
Area position
Updated 19th February, 21st May, 6th
October 2022

A narrow animal path at two closelygrowing trees separates this site from 5090, MATIENZO UNDERGROUND - site descriptions (printed \(19 / 02 / 2024\)
just below. When vegetation is cleared it is possible to see between planks into a small enlargement with a drop in the floor and a crawl heading off. The top level was explored in February 2022
A slide down over soil enters a crouching area where a roomy crawl goes into the hi with very narrow trench in the floor. The roof crawl continues over the trench around bends until a slight enlargement is reached where it is possible to turn around. This is about 20 m from the entrance and the craw appears to be choked just past two groups of stal. There was no draught with the outside temperature at about cave emperature.
The trench is up to 5 m deep and the lower levels were explored in July 2022 and the small extensions added as grade 1 additions to the 22 m survey.

The following description of the lower levels is by Andrew Northall
Shortly before the top crawl calcite blockage, the rift widens and allows a climb down to the base. Another climb down/up is located near to the entrance

At the lower level, a crawl bypasses the calcite blockage above and the rift opens up very briefly to walking passage with a low level, tight, muddy/sandy dig seen at th e base of the right hand wall. Another few metres of varied caving leads to a small rift chamber with a fowstone this direction away from the entrance

Continuing along the base of the rift in the opposite direction, towards the entrance, is a mix of walking and crawling before an approx 4 metre climb down is met. At the base of this climb, a cross-rift enters at a right angle to the main entrance rift. Some animal bones were found at the base of this cross-rift chamber. The crossrift continues in both directions, although one is too tight and would require (a small amount of) capping to access a crawl which is slightly ascending (inlet?).
The opposite direction is significantly larger and opens up to be the largest chamber in the cave, approximately 5-6 metres high and 2 metres across. A one no way down or a sideways crawl below the no way down, or a sideways crawl below the climb gains access to the lower level. In lower level, an inlet is seen to enter from filled with calcite. An descending passage is filled with calcite. An descending passage is seen in floor to continue back towards downwards, and under the entrance rift, but this is largely choked with mud and would require a significant amount of capping. Presumably this is where the water went, at one point.

There was no draught at any point in this cave.

It appears that the cave heads "downstream", and further inspection of depressions just uphill to the southeast may be productive, e.g. site 4682.

Reference: anon., 2021c (summer logbook); anon., 2022a (January, February logbook); anon., 2022b (Easter logbook); anon., 2022c (summer logbook) Entrance pictures : August 2021, February 2022
Underground pictures: February 2022 : July 20 Underground pictures : February 2022 : July 2022
Video : August 2021 : February 2022 : Complete Video : August 2021 : February 2022 : Comple
high level,April 2022 : Lower levels exploration, video notes, July 2022
Detailed survey : April 2022 : July 2022 Line Survey :
On area survey :
Survex file : April, July 202

5090: depression seen ahead. The soft sides of the
seen ahead. The soft sides of the constriction were removed in October, 2021
but the roomy crawl closed in at a tiny hole but the roomy crawl closed in at a tiny hole
in mud. There appears to be a faint draught
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Reference: anon., 2021c

```
2021d (autumn logbook)
(autumn logbook) (summer logbook); anon
Entrance picture : August 2021
Underground pictures: October 2021
Video : August 2021 (YouTube)
Vetailed survey : October 2021
Video : August 2021 (YouTube)
Detailed survey : October 2021
Line Survey
Line Survey :
On area survey :
Survex file : October 2021
x
5092: sink
Piluca 30T 4514824793616 (Datum: ETRS89.
Accuracy code: G) Altitude 600 m
Length 3 m Depth 1 m
Length \(3 \mathrm{~m} \mathbf{D}\)
Area position

On the Arredondo / Riva side of the hill, this is a sink hole opened up in the track that rises to El Somo. A "passage" in sediments heads downhill under the track for about 3 m .
```

Reference: anon., 2021c (summer logbook)
Entrance picture: Aug
Undergro
Video:
Line Survey:
Survex file:
x
5093: shaft
Piluca 30T 451635 4793813 (Datum: ETRS89
Accuracy code: G) Altitude 670m
Depth 4m
Area position
A small hole behind heather that looks choked about 4m down.
Reference: anon., 2021c (summer logbook) Reference: anon., 2021c (summe
Entrance picture : August 2021 Underground pictures :

```
```

Video:

```
Video:
Detailed survey
Detailed sury 
Line Survey:
X
5094: shaft
El Somo 30T 451028 4794106 (Datum: ETRS89
```

Accuracy code: G) Altitude 654 m
Length 3 m Depth 2 m
Area position

Updated 3rd July 2022
An excavated hole, close to site 5082, that drops to about 2 m depth at $45^{\circ}$.

Reference: anon., 2021c (summer logbook) Entrance pictures: August 2021 Underground picture : August 2021
Video Video:
Detailed survey Line Survey On area survey : Survex fil

X
5095: shaft
5095: Shaft
Monte Llusa 30T 4489304805120 (Datum: ETRS89. Accuracy code: G) Altitude 246 m
Length 6 m Depth 6 m Area position

This hole lies on the north side of the prominent depression seen on the map below the car park on the west side of Monte Llusa. The shakehole marked and smaller shakeholes nearby all choked, except for this one with a 6 m climbable shaft which is choked

Reference: anon., 2021d (autumn logbook) Entrance pictures : autumn 2021 Underground picture etailed
Line Survey: On area surve Survex file :
x
5096: shaft Barrio la Mina 30T 4455884799992 (Datum: ETRS89. Accuracy code: G) Altitude 243 m Length 5m Depth 5 m Area position

A hole in the bottom of a shakehole with earth sides - a non-starter. East of site 5104.

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Reference: anon., 2021d (autumn logbook)
Entrance pictures: autumn 2021 Entrance pictures : autu
Underground picture :

## 5097: shaft

 choked chamber.Reference: anon., 2021d (autumn logbook) Entrance pictures : autumn 2021 lowest point which closes down after 2 m
Reference: anon.,
Entrance pictures
Entrance pictures.
Underground pictur
Video :
Detailed survey
Line Survey
On area survey
Survex file
5099: sink
Barrio de Arriba $30 T 4459604799315$ (Datum
Barrio de Arriba 30T 4459604499315 (Da
ETRS89. Accuracy code: G) Altitude 186 m
Length 3 m Depth 3 m
Area position

A 3m deep, mud-sided hole which takes a small stream.

Reference: anon., 2021d (autumn logbook)
Reference: anon.,
Entrance pictures

## ength 60 m Depth 42 m

After an agreement with La Cambera, this site has been reserved for probable exploration at Easter 2022 by named members of the Matienzo Caves Project.

A large shaft, explored over two trips in April 2022.

A Y-hang was installed to overcome loose ack and mud about 3 m down. The first帾ch of 23 m (with a rope protector about 2 m down) lands on a debris cone. A 5 m limb down rubble ends at a 6 m rope pitch then a 3 m cork-screw crumbly climb down then a 3m cork-screw crumbly climb down with no way out

La Cambera group rediscovered the shaft in January 2023 with a GPS reading of 04493054804830

Reference: anon., 2021d (autumn logbook); anon Reference: anon., 2021d (autumn logbook); an
2022b (Easter logbook); anon., 2023a (January, February logbook) Entrance picture : April 2022 and January 2023 Underground picture :

Survex file :

## x

5103: shaft (LC232) (Tiktok, Torca)
Cierrolinos 30T 4493484804853 (Datum: ETRS89 Accuracy code: G) Altitude 315 m Length 3 m Depth 3 m

## Area position

A 3 m deep, choked shaft at the bottom of a steep depression. This was seen by La Cambera in January 2023 with a name of Torca Tiktok, LC232

Reference: anon., 2021d (autumn logbook)
Entrance picture : January 2023 Underground picture

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Video :
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Detailed survey
Detailed surv
On area surve
Survex file
x
5104: collapse
Barrio la Mina 30T 4455804799992 (Datum
ETRS89. Accuracy code: G) Altitude 240 m
Length 2 m Depth 2 m
Area position

A 2 m deep, recent collapse.
Reference: anon., 2021d (autumn logbook)
Entrance pictures: Entrance pictures

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Underground pictu
```

Video :
Detailed survey
Line Survey
On area surve
Survex file :
X
5105: shaft
Riva 30T 4531944794006 (Datum: ETRS89.
Accuracy code: G) Altitude 455 m
Depth 3m
Area position

A 3 m deep, unexplored, narrow rift.
Reference: anon., 2021d (autumn logbook) Entrance pictures: October 2021 Underground picture : Video :
Detailed survey Line Survey Survex file :

A $4 \times 5 \mathrm{~m}$ elliptical boulder-floored feature, 3.5 m deep at the downhill side and 7 m deep at the uphill. Joints around the side are all choked. Surveyed but data archived and not drawn up.

Reference: anon., 2021d (autumn logbook); anon., 2022b (Easter logbook) (auturn logbook), anon Entrance pictures : Oc April 2022

## On area surve <br> Survex file

5107: rift
S Vega 30T 4526404794288 (Datum: ETRS89 Accuracy code: G) Altitude 508m Depth 3m

An unexplored 15 m long, open rift possibly 3 m deep in places.

Reference: anon., 2021d (autumn logbook) Entrance pictures: October 2021 Underground picture
Video :
Detailed survey Line Survey : On area sur
Survex file :

## 5108: rift

S Vega 30 T 4527114794263 (Datum: ETRS89 Accuracy code: G) Altitude 488m Depth 10 m

A shallow grassy area contains an shaft hidden under grass and ferns at the

A small entrance in the wood close to the A small entrance in the wood close to the
road was opened up to a flatout dig in an road was opened up to a flatout dig in an
inverted T -shaped rift with a sand/clay floo inverted T-shaped rift with a sand/clay floor
"Further digging would allow a better look forward."

Reference: anon., 2021d (autumn logbook) Entrance pictures Underground picture Video:
Detailed survey Line Survey On area surve
Survex file :
x
5113: shaft
Ideopuerta 30T 4466894796272 (Datum: ETRS89 Accuracy code: G) Altitude 375 m Length 4 m Depth 4 m Area position
This shaft is located on the edge of a wood to the left of the track, above the parking area for Washing Machine Hole (3420). An L-shaped shaft (previously fenced) in a group of bushes is 4 m deep with a narrow rift at the base with a slight draught. Requires extensive capping work to progress.

Reference: anon., 2021d (autumn logbook) Reference: anon., 2
Entrance pictures : Entrance pictures:

## Video :

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\begin{aligned}
& \text { Detailed surv } \\
& \text { Line Survey: } \\
& \text { On area surve }
\end{aligned}
$$

On area survey

Survex file :
X
5114: shaft
Barrio de Arriba 30T 4445574799631 (Datum: ETRS89. Accuracy code: P) Altitude 191 m ength 15 m Depth 12 m Area position

Updated 24th May 2022
A roomy, 12 m deep shaft with animal bones at the base and no obvious way on.

Reference: anon., 2021d (autumn logbook); anon., Entrance pictures : Entrance pictures : September 2021

## Video :

Detailed survey Line Survey On area surve
Survex file :

5115: shaft Barrio de Arriba 30T 4445284799646 (Datum: ETRS89. Accuracy code: P) Altitude 194 m ength 15 m Depth 12 m

## Area position

## Updated 24th May 2022

A 12 m deep shaft with a high, fluted chamber and shattered rock at the bottom. There is a small hole at the bottom with no visible way on and no draught.

Reference: anon., 2021d (autumn logbook); anon.,
2022b (Easter logbook) 2022b (Easter logbook)
Entrance pictures: September 2021
Video: Video :
Line Survey:
On area surve survex file:
X
5116: shaft
Monte Llusa 30T 4503274804467 (Datum
ETRS89. Accuracy code: M) Altitude 335 m ETRS89. Accuracy code: M) Altitude 335 m
Length 60 m Depth 35 m Length 60 m Depth 35 m Area position

Updated 24th May 2022
This shaft was descended in autumn 2019 but written up 2 years later. The grid reference in approximate as it has not been GPS'd or the position clearly remembered. Re-explored Oct 2019. It is in the western end of a copse entered by a 3 m drop and then 6 m rope down a treed slope to a newly bolted $Y$-hang above a large 10 m wide shaft. Near the $Y$-hang on the rock face are a set of old spits. From the $Y$-hang a 31 m drop leads to an 8 m boulder slope into a large 15 m wide chamber that leads, in turn, to a short alcove at the back but with no way on. (Length and depth are guestimates.)

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A sandstone sink in a doline.

# Reference: anon., 2021d (autumn logbook); anon., 

 Reference: anon., 20212021e (La Cambera Rpt) 2021 e (La Cambera

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Underground picture
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Video :
Detailed survey : 2021 sketch from La Cambera
Report
Line Survey
On area survey
Survex file

5118: Empalizada, Torca de la (LC162)

A $2 \times 1.5 \mathrm{~m}$ entrance to two short pitches and a third of 20 m . At its base there are two and a third of 20 m . At its base there are two that becomes completely impenetrable. The upper gallery enters a beautifully decorated little chamber that is actually the base of a parallel pitch [Condensed from La Cambera Report]
Reference: anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt) Length 8 m Depth 8 m Area position

This 8 m pitch is fenced with barbed wire. [Condensed from La Cambera Report]

Reference: anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt) Entrance pictures






X

5123: hole (LC170
Garma de los Trillos 30T 4482494793296 Datum: ETRS89. Accuracy code: G) Altitude 606 m Length 2 m Area position

A 1.5 m long, choked hole.
Condensed from La Cambera Report]
Reference: anon., 2021d (autumn logbook); anon. Reference: anon., 2021 intrance pictures Underground picture
Underg:
Video
Detailed survey Line Survey: Survex file :
x
5124: Diecinueve, Torca (LC173) Garma de los Trillos 30T 4478854793320 (Datum: ETRS89. Accuracy code: G) Altitude 712 m Length 15 m Depth 15 m Area position

A tight shaft blocked by mud and rock. [Condensed from La Cambera Report]

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Reference: anon., 2021d (autumn logbook); anon.
2021e (La Cambera Rpt)
```

Entrance pictures :
Entrance pictures
Underground picture
Video:
Video :
Line Survey :
On area survey
Survex file
X

5125: New Zone, Torca (LC174) Cierrolinos 30T 4495824804657 (Datum: ETRS89 Accuracy code: G) Altitude 337 m Length 4 m Depth 4 m

## Area position

A tight entrance to a 4 m , draughtless shaft.
[Condensed from La Cambera Report]

Reference: anon., 2021d (autumn logbook); anon. 2021e (La Cambera Rpt) Entrance pictures :

## Video

Petailed

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& \text { Detailed surve } \\
& \text { Line Survey : }
\end{aligned}
$$

On area surve
Survex file :
x
5126: shaft (LC175)
Cierrolinos 30T 4497704804664 (Datum: ETRS89.
Accuracy code: G) Altitude 362 m Accuracy code: G) Altitude 362 m Length 6 m Depth 6 m Area position

A $0.40 \times 0.80 \mathrm{~m}$ top -6 m pitch where the continuation at its base is obstructed. [Condensed from La Cambera Report]

Reference: anon., 2021d (autumn logbook); anon. 021e (La Cambera Rpt) Entrance pictures :

## Video:

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Detailed
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Line Survey : On area survey :
Survex file : Survex file
x
5127: cave (LC176)
Cierrolinos 30T 449736 4804599 (Datum: ETRS89. Accuracy code: G) Altitude 358 m Length 6 m
Area position

A small crawl that closes in. [Condensed from La Cambera Report]

Reference: anon., 2021d (autumn logbook); anon., Reference: anon., 2021d
2021e (La Cambera Rpt) Entrance pictures : Underground picture
Video : Video:
Detaile

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Detailed survey
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Line Survey :

MATIENZO UNDERGROUND - s
descriptions (printed 19/02/202
Volume 7 - page 7

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On area surv
Survex file :
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5128: Espinos-Compost, Cueva de (LC178)
Area position
A passage filled with hawthorn clearings.
A passage filled with hawthorn
[Condensed from La Cambera Report]
Reference: anon., 2021d (autumn logbook); anon.,
Reference: anon., 2021 )
2021e (La Cambera Rpt)
Entrance pictures
Underground picture :
Video :
Detailed survey
Line Survey
Line Survey
On area sur
Survex file :
5129: Parecía que sí, Cueva
(LC179)
Cierrolinos 30 T 4494694804630 (Datum: ETRS89.
Accuracy code: G) Altitude 310 m
Length 30 m
Area position
Area positior
A cave on the north slope of the Cierrolinos
A cave on the north slope of the Cierrolinos
depression. The 1.5 m high by 0.80 m wide
entrance enters a 22 m -long gallery that
ends in an $8 \times 3 \mathrm{~m}$ room without continuation.
[Condensed from La Cambera Report]
Reference: anon., 2021d (autumn logbook); anon.,
Reference: anon., 2021
2021e (La Cambera Rpt)
Entrance pictures .
Underground pictur
Video :
Detailed survey
Line Survey
On area survey
Survex file

5130: Parecía que también,

## Cueva (LC180)

Undergr
Video :
Detailed survey
Line Surve
On area surv
Survex file

5132: Ilusiones, Cueva de las (LC215)
Cierrolinos 30T 4490974804156 (Datum: ETRS89. Accuracy code: G) Altitude 337 m
Length 55 m Depth 22 m
Area position
Area position

An entrance of $1.9 \times 1.8 \mathrm{~m}$ has a steep slope towards the south. After a few metres, a small climb leads to a downward tube of about 40 m to where it chokes. [Condensed from La Cambera Report]

Reference: anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt)

Underground picture :
Video :

A $4 m$ shaft that continues in a narrow joint. An old spit at the top. Condensed from La Cambera Report]

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Reference: anon., 2021d (autumn logbook); anon.,
Reference: anon., 2021`
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Entrance picture
Underground picture :
Video :
Detailed survey
Detailed sur
Line Survey
On area surve
Survex file :
x
5134: Becario, Torca del
(LC217)
Garma de los Trillos 30T 4476744793366
Garma de los Trillos 30T 4476744793366
(Datum: ETRS89. Accuracy code: G) Altitude 672 m
Length 9 m Depth 9 m
Area position

A choked $10 \times 0.8 \mathrm{~m}$ joint [Condensed from La Cambera Report]

Reference: anon., 2021d (autumn logbook); anon. 2021e (La Cambera Rpt) Entrance picture :
Underground picture :

## Video :

Detailed surve
Line Survey : Line Survey : On area sur
Survex file

X
5135: Rasa, Cueva de la
(Vallina) (3148 (French: SCD)) Arredondo 30T 4503234793058 (Datum: ETRS89 Accuracy code: G) Altitude 500 m Length 1200 m Depth 190 m
Area position Area position
Updated 20th November 2022
An interesting walking-sized passage and pitches system being explored by local cavers that heads north above Cueva Vallina. It would appear to currently end about 40 m above the downstream sump 1 area although it has been extended beyond the survey. By January 2022, 1.1km had been surveyed to a depth of 180 m . [Note: There is another Cueva de la Rasa (4335)]

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map. (

## from the Exploration Diary

 Sunday January 17, 2021 David Gonzalez Cobo, Magin Ulises, Guy Simonnot David takes us on a tour of the cavity that he discovered with Jesús at the beginning of January. After their terminus of the fossil meander downstream ( -60 ) we can enlarge a little with a hammer and progress for a few meters to a passage which will require more striking means. The melting snow has swollen the streams and we can once again perceive the sound of a streamway andabove all the blowing air current is well marked.

Sunday January 31, 2021 David Gonzalez Cobo, Magin Ulises, Guy Simonnot We have to do about ten shots to force the narrow meander over 3 or 4 m . Fortunately a good meander over 3 or 4 m . Fortunately current of blowing air prevents us fakes it possible to find the stream that we had possible to find the stream not the one we
heard. But, heard. But, surprise, it's not the one we
followed, but another tributary rising more steeply and which we only pursue for about thirty meters. Indeed and fortunately it is downstream that comes the air. To avoid a limit rolling mill and in the water we go through high narrow fossils that we will have to adjust. But, reward, that brings us to the edge of a very vast watered pitch 30 to 40 m deep which seems to pierce the sandstone screen. We do not know if the first stream also comes to flow into this pitch. Coming back we do the 133 m topography of the streamway to the base of the entrance network

Smith. Guy and Peter survey the Cueva de
la Rasa from the entrance to the arrival on la Rasa from the entrance to the arrival or
the rio and the sector before the Golosos pitch that Magin and David are in charge of equipping. The shaft ( 25 m ) crosses equipping. The shaft ( 25 m ) crosses
sandstone levels and receives the two sandstone levels and receives the two
streams of the upper floor. At the botto streams of the upper floor. At the bottom,
an active gallery is quickly interrupted at the an active gallery is quickly interrupted at
level of a low and impenetrable but welllevel of a low and impenetrab
ventilated basement window.

Sunday February 28, 2021 David Gonzalez Cobo, P. and S. Degouve, G. Simonnot, M. Ulises The clearing at the previous terminus (-95) is quite easy and in less than 2 hours we manage to pass a narrowness crossed by a small stream. Just behind, the stream cascades into a small pitch of 3 m followed by a short gallery leading to a second pitch $(10 \mathrm{~m})$. At the bottom, the gallery expands a little and receives a beautiful tributary on the right bank (to be explored). Our
progress stopped about fifty meters further on the edge of a new vertical notch $(-118)$ and facing a large void cluttered with scree. On the way back, David carries out the topo.

Sunday, March 7, 2021 P. and S. Degouve David Gonzalez Cobo and Jesus, G. and Martin Simonnot, M. Ulises. The team has grown and we are making several teams to reach our terminus. David equips the pitch that accesses the bottom of the large room that we saw during our previous visit. This actually corresponds to the arrival of a large pitch of impressive size ( $25 \times 15 \mathrm{~m}$ ). We go around the room without however being able to access the upstream part of the pipe, so steep is the slope. The final part would be achieved by climbing but that is not really the objective of the day

We descend to the bottom of the scree to look downstream. A jump between the blocks allows you to find a well-formed conduit which plunges a few meters further into a beautiful 21 m pitch, bordered by beautiful stalagmitic flows. The following is quite chaotic and we search for a while before finding a small 10 m pitch leading to a new gallery. This one is quite comfortable (3 $\times 5$ ) and we progress another fifty meters before stumbling on a collapse of blocks. This one seems passable, but it is already late and we have to do the topo. We leave a nice meander on the left bank which continues for about forty meters
ty meters
(approximately -190, to follow) and go up slowly to the rhythm of the topography that we are carrying out in two separate teams. We leave around 6 p.m.

Wednesday, August 25, 2021 Davic Gonzalez Cobo, Jean-Noel Outhier, Guy simonnot. From the crossroads of -112 we go up the tributary of the Hollow Stone. After a narrow passage at the start, the duct widens to become a spacious gallery where we can admire fistulas of more than two meters. Then we have to climb a sandstone escarpment, fortunately almost dry in the middle of summer. The dimensions are reduced again and we have to open an infamous passage in the water and the mud, only motivated by the strong current of roaring air which goes up the gully. Behind still a bit of gallery, and we decide to stop on a low duct arriving at the top of a small step (-79, or 33 m higher than the confluence).

With a lot of motivation and some work progress would still be possible, but is tha reasonable? On the way back we spot an suspended fossil conduit (not topo to review?) and lower down a section of parallel gallery. In the end, the tributary includes more than 200 m of galleries (198 m topo).

Sunday January 2, 2022 Elena Gil, David González Cobo Topography of the tributar of "Charca Ranas" (the Frog Pond) (74 m) which ends in a pretty siphoning basin.

## Reference: anon., 1976 (logbook); anon., 1993a; n., 2019d (autumn logbook)

 Entrance pictures : autumn 2021 Underground picture Video :Detailed survey : AEC Lobetum, 1993 Line Survey : One Survey: Survex file :

## x

5137: Coverón, Surgencia del Ogarrio 30T 4564244792996 (Datum: ETRS89. Accuracy code: G) Altitude 120 m

## Area position

An impressive looking entrance under a limestone face, but it is a low, wet crawl to sump connecting with Cueva del Mazo 2 (5136). This is not the main resurgence to Mazo 2 (which is the impenetrable Mazo 5, 0286). [P. Smith]

The main reference is anon., 1993a, AEC Lobetum's catalogue

Reference: anon., 1976 (logbook); anon., 1993a; anon., 2019d (autumn logbook)
Entrance pictures : autumn 2021
Underground picture :
Video :
Detailed survey : AEC Lobetum, 1993 Line Survey: On area survey Survex file :

X
5138: Mazo 3, Cueva del Ogarrio 30T 456438 4793015 (Datum: ETRS89 Ogarrio 30T 4564384793015 (Da
Accuracy code: A) Altitude 134 m

## Length 15 m

 Area positionThe lower part of the cave between the entrances is an open gully with a boulder forming the roof. [P. Smith]

The main reference is anon., 1993a, AEC Lobetum's catalogue

Reference: anon., 1976 (logbook); anon., 1993a; anon., 2019d (autumn logbook) Entrance pictures : autumn 2021 Underground picture Video :
Detailed survey : AEC Lobetum, 1993 Line Survey: On area survey

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Survex file
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x

5139: Mazo 4, Cueva de Ogarrio 30T 4564454793017 (Datum: ETRS89. Accuracy code: A) Altitude 134m Area position

A small cave with very low crawls to the right and left. [P. Smith]
The main reference is anon., 1993a, AEC Lobetum's catalogue.

Reference: anon., 1976 (logbook); anon., 1993a; anon., 2019d (autumn logbook)
Entrance pictures : autumn 2021 Video:
Detailed survey : AEC Lobetum, 1993 Line Survey On area surve
Survex file : Survex file :

5140: cave
ullir 30T 4548334795478 (Datum: ETRS89 Accuracy code: G) Altitude 805m Area position

## Updated 3rd July 2022

A cave accessed from the cliff top. A hands and knees crawl briefly rises to tanding height before a squeeze into an animal's bedroom containing a large dinner plate-sized nest of straw. The 14 m -long cave ends here in a 20 cm slot.

Reference: anon., 2021 f (Christmas logbook) Reference: anon., 2021f (Christmas
Underground picture
Video
Detailed survey : pdfs from Therion: plan: elevation: ex
Line Survey
On area survey
Survex file : December 2021

Reference: anon., 2021 f (Christmas logbook)
Entrance pictures: December 2021 Entrance pictures : December 2021
Underground pictures : December 20 Underground pictures: December 2021 Video :
Detailed survey : pdfs from Therion December Detailed survey : pdfs from Therion Decembe
2021: plan : elevation : extended elevation:

5144: hole (LC219)
Garzón 30T 4486024803977 (Datum: ETRS89 Accuracy code: G) Altitude 210 m
Area position Area position

A choked hole with a slight draught.
Reference: anon., 2021 f (Christmas logbook) Entrance pictures : December 2021 Underground pictures
(No description)
Reference: anon., 2021f (Christmas logbook)

## 5146: hole (LC221)

An impenetrable resurgence.

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Mideo.
Mine Survey:
l
On area sur,
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X
5148: 3 Voltios y Medio (LC223)
Cierrolinos 30T 4489634804454 (Datum: ETRS89
Accuracy code: G) Altitude 340 m
Accuracy C
Depth 6 m
Depth 6 m
Area position
A 6 m deep hole that needs digging out.
Reference: anon., 2021f (Christmas logbook)
Entrance picture, : No21f (Christmas 2021
Underground pictures
Video:
Detailed survey :
Line Survey :
Survex file :
X
5149: Glasgow, Torca (LC224)
Garzón 30T 4498824803591 (Datum: ETRS89.
Accuracy code: G) Altitude 307 m
Length 3 m Depth 3 m
Area position

A 6 m deep hole that needs digging out.
Reference: anon., 2021 f (Christmas logbook) Entrance picture : November 2021 Underground pictures

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Video:
Detailed survey :
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Letailed sur
On area survey
Survex file :
x

5150: Gusnardo, Cueva del (LC226)
Garzón 30T 4489874804049 (Datum: ETRS89. Accuracy code: G) Altitude 285 m Length 455 m Depth 135 m Area position

Updated 4th October 2022; 30th September 2023

A draughting, descending rift that required excavation. The streamway that was encountered chokes and, according to a blog dated $28 / 11 / 21$, a draughting route was still to be looked at.
Further explorations occurred in August 2022, documented in the Cambera blog There is no published complete description, but "the topography shows a result to date but "the topography shows a result to date
of 280 m with a practically constant of 280 m with a practically constant inclination of $-30^{\circ}$. The lowest level of the cave is $-83 m$, located where the small water course disappears and the main axis of the cave runs west."
Further, unsurveyed, extensions were made on the second trip in August, but the blog finishes on a pessimistic note, with little to entice the explorer to return. However, exploration, photography and survey (and 2 blogs) occurred in July 2023 taking the length to 455 m and depth to 135 m .

Reference: anon., 2021f (Christmas logbook);
anon., 2022c (summer logbook); anon., 2023c anon., 2022c (summer logbook); anon., 2023 c
(summer logbook) (summer logbook) Entrance pictures : August 2022, July 2023 Underground pictures : November 2021 : August 2022: Video: Line Survey : On area survey : Survex file :
x
5151: Chopo, Cueva del
Ogarrio 30T 456296 4793046 (Datum: ETRS89.
Accuracy code: G) Altitude 128 m Accuracy code: G) Altitude 128 m
Length 270 m Length 270 n Area position
A 200m-long cave that links through a blocked connection to the Cueva del Mazo 1 (0961) to form the 270 m -long Sistema de Mazo-Chopo.

| Reference: Asociación Espeleológica Conquense |
| :--- |
| Lobetum, 1995?; anon., 2022a (January, February |
| logbook) |
| Entrance pictures : 2022 |
| Underground pictures : 2022 |
| Video: |
| Detailed survey : |
| Line Survey : |
| On area survey : |
| Survex file : |
| X |
| 5152: shaft |
| Ogarrio 30T 457053 4793627 (Datum: ETRS89. |
| Accuracy code: G) Altitude 268 m |
| Depth 20m |
| Area position |
| A possibly 20m shaft which has been taped |
| off. |
| MATIENZO UNDERGROUND - site descripions (printed $19 / 02 / 2024$. Volume 7 - page 77 |

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logbook)
Underground pictures:
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Video:
Detailed survey
Detailed sur
Line Survey
Line Survey
On area sur
Survex file :
5153: Lluriangos, Fuente de
Ogarrio 30T 4575394793004 (Datum: ETRS89
Ogarrio 30T 457539 4793004 (D2
Accuracy code: G) Altitude 163 m
Area position
An impenetrable resurgence.
Referen
logbook)
Entrance pictures : 202
Underground pictures :
Video
Detailed survey
Detailed surv
Line Survey:
Line Survey
On area sur
On area sur
Survex file
Sur
5154: sink
S Vega 30T 4506264794729 (Datum: ETRS89.
Accuracy code: G) Altitude 445 m
Accua position
Area
A recently built, large water trough at the
trackside overflows and the water sinks in a
nearby large and completely choked
depression. The sink is less than 200 m from
Torca de Papá Noel (1471).
Reference: anon., 2022a (January, February
Referen
logbook)
Entrance pictures : 2022
legbook
Entrance pictures : 202
Underground pictures :
Video:
Detailed survey
Line Survey
On area survey
Survex file
5155: shaft
5155: Shaft 4794801 (Datum: ETRS89
S Vega 30T 4505294794801 (Da
Accuracy code: G) Alti
Length 2 m Depth 2 m
Length 2 m D
Area position
A tiny "cow trap" covered with two old fence
posts.
Reference: anon., 2022a (January, Februar
logbook)
Entrance pictures : 2022
Entrance pictures : 202
Video:
Detailed survey
Line Survey
On area survey
On area sur
Survex file
5156: shaft
S Vega 30T 4505084794820 (Datum: ETRS89,
S Vega 30T 450508 4794820 (Dat
Accuracy code: G) Altitude 471 m
Accuracy code: G) Alti
Length 2 m Depth 2 m
Length 2 m D
Area position
A small "cow trap" covered with four old
fence posts.
Reference: anon., 2022a (January, February
logbook)
Entrance pictures : 2022
Entrance pictures :
Underground pictures
Video:
Detailed survey
Line Survey:
On area survey
Survex file
5157: shaft
S Vega 30T 4502824794645 (Datum: ETRS89
S Vega 30 T 4502824794645 (Da
Accuracy code: G) Altitude 538 m
Accuracy co
Depth 6 m
Depth 6 m
Area position
A shaft first seen on a satellite picture but it
seems to be only about 5 m deep. Best
approached from the south then around on
the west side of the hill.
Reference: anon., 2022a (January, Februar
Referen
logbook)
logbook) Entrance picture : 2022
Entrance picture : 2022
Underground pictures
Video : 2022 (YouTube)
Detailed survey
Line Survey :
On area survey
Survex file
5158: shaft
S Vega 30T 4503014794625 (Datum: ETRS89
S Vega 30T 4503014794625 (Dat
Accuracy code: G) Altitude 548 m
Accuracy code: G) Altitude 548m
Depth 5 m
Area positio
Area position
A wide shaft, possibly just an enlarged

$$
\begin{aligned}
& \text { Azpilicueta (0333). A tree grows out of the } \\
& \text { hole which appears to be about } 5 \mathrm{~m} \text { deep. }
\end{aligned}
$$

Reference: anon., 2022a (January, February ogbook) ntrance picture : 2022 Underground pictures Video : 2022 (YouTube) Detailed surve Line Survey On area survey
Survex file :
X
5159: Two Tyres Cave Arnilla 30T 4500414795896 (Datum: ETRS89 Arnilla 30T 4500414795896 (Dat Accuracy code: G) Altitude 255 m Length $2 m$

A 2 m long cave that bends around to the left and chokes. The entrance is "gated" with two tyres.

Reference: anon., 2022b (Easter logbook)
Reference: anon., 2022b (Easte
Entrance pictures: April 2022
Entrance pictures:Ap

## Video :

Detailed surve Line Survey On area surve Survex file

X
5160: Three Tyres Dig
Arnilla 30T 4500284796047 (Datum: ETRS89 Accuracy code: G) Altitude 290 m

## Area position

A potential dig currently blocked with at A potential dig cu
least three tyres.

Reference: anon., 2022b (Easter logbook) Entrance pictures : April 2022 Entrance pictures : Ap
Underground pictures Video : Video:
Detailed surve
Line Survey: Line Survey : On area survey :
Survex file : Survex file :
x
5161: dig
S Vega 30T 4529484794229 (Datum: ETRS89. Accuracy code: G) Altitude 434 m
Area position

This lies 10 m south of site 3131 . An overgrown hole where a stone thrown down hits a rubble floor.

Reference: anon., 2022b (Easter logbook) Reference: anon., 2022b (East
Entrance picture : April 2022
Underground pictures : Underground pictures Video:

## Detailed sur

Line Survey : Survex file :

5162: shaft S Vega 30T 4529774794243 (Datum: ETRS89. S Vega 30T 4529774794243 (Dat
Accuracy code: G) Altitude 433 m Accuracy cod
Depth 11 m Area position

Updated 28th November 2023; 6th, 26th January, 17th February 2024
[Grid reference above is taken over the hole.]

A bolt is installed just above the entrance for the first short (ladder) pitch to a sloping for the first short (ladder) pitch to a sloping
mud floor in a rift. The second pitch appears mud floor in a rift. The second pitch
to be 7 m deep. Some clearance has to be 7 m deep. Some clearance has occurred but the way down is currently Thecked by an jammed, oscillating block.
There is no apparent draught but there is a There is no
good echo.

In November 2023, the hole was rigged for SRT. The boulder was still in place and it was thought that, when it was capped, the way on would still be too tight. However, in December the boulder was dispatched and a descent made to the base. There was only a tiny hand-sized rift leading off at floor level. Dripping water could be heard not too far away in, what sounded like, a larger bit of cave. "This would be a reasonable capping project."

Reference: anon., 2022b (Easter logbook); anon., 2023d (autumn logbook); anon., 2023e (Christmas logbook); anon., 2024a (January, February logbook) Underground pictures: April 2022 : December 2023 Video
Detailed survey : 2023
Detailed surve
Line Survey:
On area survey :
Survex file : December 2023
x
MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024
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$\frac{5163: \text { shaft }}{\text { E1 Nasos So } 4509}$

Updated 4th October 2022
A $20 \times 30 \mathrm{~cm}$ hole below and to the east of site 1608. There is a good draught (possibl) from 1608?). This was opened up in July 2022.

Rocks were removed from entrance and a narrow rift descended via ladder to a deptr of approx 8 metres. A very small amoun (less than 5 metres) of walking passage exists at the bottom. A short climb leads to a second pitch of 5.5 metres which choked completely. Back at the base of the entrance, in the direction opposite to that of the second pitch, an extremely narrow rift connects to the new site 5198. Daylight is visible at this connection point. (Logbook entry from Andrew Northall, 24/7/2022)
Reference: anon., 2022b
2022c (summer logbook)
200k) (Easter logbook); anon
Entrance pictures : April 2022 : July 2022
Underground picture: July 2022
Uideo
Video : Exploration, July 2022 (YouTube)
Video : Exploration, July 2022
Detailed survey : Jul
Detailed surv
Line Survey :
On area survey :
Survex file : July 202
5164: cave
La Colina 30T 4527724796407 (Datum: ETRS89
La Colina 30 T 4527724796407 (I
Accuracy code: G) Altitude 262 m
Accuracy code: G) Altitu
Length 10 m Depth 1 m
Area position
Update 5th July 2022
hand-sized hole
Reference: anon., 2022b (Easter logbook)
Entrance pictures : April 2022
Underground pictures : April 2022
Video : April 2022 (YouTube)
Detailed survey : pdfs from Therion April 2022
plan : elevation : extended elevation : complete
Line Survey:
On area survey :
Survex file : April

5165: shaft
Video:
Detailed surve
Line Survey
On area surv
Survex file:
Survex file

## 5166: cave

Cubija 30T 4498994796348 (Datum: ETRS89. Accuracy code: G) Altitude 330 m
Length 4 m

A 2 m wide entrance to a 3.8 m long shelter with 2 very small holes at the end. No with 2 ve
draught.

Reference: anon., 2022b (Easter logbook Entrance pictures : April 202
Video:
Detailed survey
Line Survey
On area survey
On area su
Survex file

5167: shaf
Monte Llusa 30T 4487194804905 (Datum:
ETRS89. Accuracy code: G) Altitude 238 m . ETRS89. Accuracy code: G) Altitude 238 n Length 6 m Depth 1 m Area positio

A 5 m diameter feature which has about a 1 m step down at the lower end and a 5 m wall at the top side.

```
\begin{array} { l } { \text { Reference: anon., 2022b (Easte} } \\ { \text { Entrance pictures : April 2022 } } \\ { \text { Underground pictures: } } \end{array}
Underground pictures
Video
Detailed survey
Line Survey 
Survex file

An undescended, 5 m deep hole in grass by An undescended, 5 m deep hole in gr
path. Rubble and bones base with no path. Rubble and bones base with no draught.

\section*{Reference: anon., 2022b (Easter logbook)} Entrance pictures
```

Underground pictu

```
Video :
Detailed survey
Detailed surv
On area surve
Survex file
x
5169: shaft
Muela 30T 4541594796248 (Datum: ETRS89
Accuracy code: G) Altitude 692m
Depth 5 m
Area position
An undescended, \(1 \times 1 \mathrm{~m}\) hole about 3 m west
of a path. Rubble floor. There may be a
draught.
Reference: anon., 2022b (Easter logbook)
Entrance pictures : April 2022
Underground pictures
Video :
Detailed survey
Line Survey
On area surv
Survex file :
X
5170: dig
Garzón 30T 4487404803825 (Datum: ETRS89.
Accuracy code: G) Altitude 205m
Accuracy code
Area position
A possible dig in a shakehole.
Reference: anon., 2022b (Easter logbook)
Reference: anon.,
Entrance pictures
Untrance pictures :
Video:
Detailed survey
Line Survey
On area survey
Survex file :
X
5171: collapse
Cierrolinos 30T 449301 4804880 (Datum: ETRS89
Cierrolinos 30 T 4493014804880
Accuracy code: G) Altitude 317 m
Accuracy code: G) Altit
Length 4 m Depth 4 m
Area position
A draughting collapse which has been dug,
capped and left stock-proof
Reference: anon., 2022b (Easter logbook)
Reference: anon.,
Entrance pictures :
Entrance pictures :
Undergr
Video:
Detailed survey
Line Survey
On area survey
Survex file :
X
5172: dig
Navajeda 30T 4440384800872 (Datum: ETRS89
Navajeda 30T 4440384800872 ([
Accuracy code: G) Altitude 101m

\section*{Area position}

A possible dig at the roadside.
Reference: anon., 2022b (Easter logbook) Entrance pictures Underground pictures
Detailed survey
Line Survey
On area survey
On area surve
Survex file :
x

5173: caves - 2
Quebraduras 30T 453569 4802986 (Datum:
ETRS89. Accuracy code: G) Altitude 255 m : ETRS89. Accuracy code: G) Altitude 255 m
Length 4 m Depth 2 m Length 4 m
Area position A large depression with 2 caves. The one at the base is 2 m long and closes in. Facing the base, higher up the side on the right is 3.5 m narrow cave, sloping down to a flat floor. Unexplored but probably closes in.
```

Reference: anon., 2022b (Easter logbook)
Reference: anon., 2, April 2022
Underground pictures:
Video :
Detailed survey
Detailed surv
Line Survey:
Survex file :
X
5174: shaft
Quebraduras 30T 453348 4803028 (Datum:
Length 13m Depth 5m
MMTIENZO UNDERGROUND - site descrititions (printed 19/02/2024
Reference: anon., 2022b (Easter logbook) Reference: anon., 2022b (Easte
Entrance pictures: April 2022 Underground pictures :

## 5180: dig

Garzón 30T 4487914804216 (Datum: ETRS89. Accuracy code: G) Altitude 295 m
Area position Area position

A dig down a draughting slope has met bedrock so requires capping.

Reference: anon., 2022b (Easter logbook)
Entrance pictures: Reference: anon.,
Entrance pictures : Underground pictures Video: Detailed surve Line Survey
On area sury Survex file :
x
5181: shaft
El Naso 30T 4518374796404 (Datum: ETRS89. Accuracy code: G) Altitude 435 m Depth 3m

```
Area position
```

An undescended 2-3m deep hole just below the ridge line. No discerable draught. Appears to drop off to the west.

Reference: anon., 2022b (Easter logbook) Reference: anon.,
Entrance pictures : Underground pictures Video:
Detailed survey
Line Survey Line Survey On area surve
Survex file :

X
5182: Encina, Hovo de la
La Ruela 30T 4449004797024 (Datum: ETRS89 Accuracy code: M) Altitude 330 m Area position

The grid reference is the approximate position of a cave water-traced to La Verde (4486).

Reference: anon., 2022b (Easter logbook)
Reference: anon.,
Entrance pictures:
Underground pictures

## Video:

Detailed surve
Line Survey:
On area survey
On area surve
Survex file :
x
5183: diq
Cierrolinos 30T 4489964804700 (Datum: ETRS89
Cierrolinos 30T 4489964804700 (
Accuracy code: G) Altitude 317 m
Accuracy code: G) Altit
Length 4 m Depth 4 m
Length 4 m D
Area position
Updated 27th February 2023

This is located about 20 m to the southwest of 5060. (The entrance photo, originally oftached to 5060 is actually of this holy attached to 5060 , is actually of this hole.) The hole requires digging beyond its 3.5 m depth to allow an inspection of a possible
continuation. There is a poor draught while continuation. There is a poor draught while
the one at \#5060 is good.

```
Reference: anon., 2022b (Easter logbook)
Neference: anon., 2022b (Easter log
Entrance picture : 202 
Undergro
Video:
Detailed survey
On area surve
Survex file :
x
5184: resurgence
La Estrada (Anero) 30T 4488354805842 (Datum:
``` ETRS89. Accuracy code: G) Altitude 53m Area position

A resurgence used as a water supply with the storage tank up the hill on the other side of the motorway. It is possible that at least some of the water comes from the Monte Llusa area. A couple of the bars on the building over the resurgence have been removed (in the past) and it is possible, in dry weather, to crawl in and view the sump pool inside. In wetter conditions, copious amounts of water flow down the partly walled stream.
```

Reference: anon., 2022b (Easter logbook)
Entrance pictures : April 2022
Underground pictur
Detailed surve
Line Survey
On area survey :
Survex file :
x
5185: cave
L185: Cave
ETRS89. Accuracy code: G) Altitude 81m
Length 20m Depth 3m
Area position
A cave perched above a small resurgence in a bouldery gulley. A drop down at the

```

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entrance accesses muddy crawls through to a muddy chamber with a 2 m
pool and digging possibilities.

Reference: anon., 2022b (Easter logbook)
Reference: anon., 2022b (Easte
Entrance pictures : April 2022 Entrance pictures : Apriil April 2022 Video :
Detailed survey Line Survey: On area surv Survex file

5186: shaft
Navajeda 30T 443995 4800945 (Datum: ETRS89 Accuracy code: G) Altitude 80 m Length 12 m Depth 10 m Area position
Updated 12th November 2022

A collapse with a pitch which was dropped A collapse with a pitch which was dropped as a 10 m climb between muddy rock walls with earth falling. There is a stream at the
base in very wet weather. The downstream base in very wet
rift has grotty digs.

Reference: anon., 2022b (Easter logbook); anon. 2022d (au
Entrance pictures
Untrance pictures :
Video :
Detailed survey
Line Survey: On area surv Survex file

\section*{5187: resurgence}

Hazas de Cesto (west) 30T 4517804804363 (Datum: ETRS89. Accuracy code: G) Altitude 75 m Area position

\section*{Updated 4th October 2022}

A resurgence that dries up in dry weather and was entered under such conditions in July 2022. A slope down then up entered a space with a large flake that was destroyed, allowing a view along a small rift. Not very promising.

\section*{Reference: anon., 2022b
2022c (summer logbook)}

2022c (summer logbook)
Entrance pictures : July 2022 Entrance pictures: July 2022 Underground pictures: July 2022
Video : Drought conditions, August 2022 (YouTube) Video : Drought co
Detailed survey :

\section*{5188: shaft}

Hazas de Cesto (west) 30T 4517274804287 (Datum: ETRS89. Accuracy code: G) Altitude 103 m Length 12 m Depth 8 m Area position

Updated 4th October 2022
Two holes enter the shaft top. The pitch is about 7 m to a floor with another metre climb down. Choked.

Reference: anon., 2022b (Easter logbook); anon.
2022c (summer logbook)
Entrance pictures: April 202
Underground pictures :
Video : Exploration, July 2022 (YouTube)
Detailed survey :
Detailed surv
On area sur Survex file

Detailed surve
Line suruey on area surve Survex file:

\section*{5191: cave}

Villanueva 30T 4478284804543 (Datum: ETRS89. Accuracy code: G) Altitude 75 m Length 5m

\section*{area positio}

The source of water for a concrete trough A 5 m long cave ends in a 15 cm high sump, 30 cm wide.

Reference: ; anon., 2023b (Easter logbook) Entrance picture
Underground pictures Video :
Detailed survey Line Survey On area sur
Survex file :

\section*{5192: cave} La Estrada (Anero) 30T 4488164805864 (Datum: ETRS89. Accuracy code: G) Altitude 54 m Length 88 m Vertical range \(-3 \mathrm{~m}+4 \mathrm{~m}\) Area position

Updated 12th November 2022; 23rd May 2023

A cave with a deep pool inside which was pushed in drought conditions over four trips in October 2022. The site is flood-prone

A hands-and-knees ascending crawl beyond the entrance pool meets a tight vertical squeeze to a roomy chamber with an enlarged slot down to water. A slope up enters a chamber with a low crawl off to another chamber, \(4 \times 4 \times 4 \mathrm{~m}\). A small passage off here has an excellent echo but was found to just an echoing tube when opened up on the final trip into the cave. This last trip also saw a high rift pushed to a conclusion. The lower sections of the cave are liberally coated with mud and asmall stream inlet is too tight to push.
A downward sloping, draughting muddy tube, just past the section "b" on the survey, seems to turn right - but it requires a second person to possibly pull the investigator back out.

Reference: anon., 2022b (Easter logbook); anon., 2022d (aut , Entrance picture : April 2022 Underground pictures : October 2022 Video:
Detailed survey: October 2022
Line Survey : Line Survey
On area map : October 2022
Survex file : October 2022
X
5193: Fuentes, Cueva de (3149 (French: SCD)
Llaneces 30T 451097 4792430 (Datum: ETRS89. Accuracy code: G) Altitude 345 m
Length 80 m Depth 7 m Length 80 m Depth 7 m

Updated 20th November 2022
[An alternative grid reference is 451093,4792431 ] A \(10 \times 3 \mathrm{~m}\) high entrance, well hidden in the woods above the Fuentes resurgence, leads to about 60 m ? of walking passage with possibilities for extension in the floor
and roof. Bones have been found but, after and roof. Bones have been found but, after a visit by Emilio and colleagues, there is proof that they may be prehistoric. The remains of dwellings or animal shelters.

\section*{From the Exploration Diary}

Tuesday, December 8, 2020 Participants: David Gonzales Cobo, Jesus (veterinarian), Guy Simonnot, Magin Ulises Our neighbor David found a beautiful cave on the slope overlooking the source of Fuentes. The imposing porch \((10 \times 3 \mathrm{~m})\) had escaped prospecting and does not seem to have prospecting and does not seem to have
been known to the current neighbours. I must be said that it is well hidden in a must be said that slope and a forest of encinas with lapiazed slope and a forest of encinas wit
its plethora of zarzaparillas which make its plethora of zar:

The large entrance gallery unfortunately stops after about forty meters on huge clayey-sandy fillings and calcite false ceilings (rolling mill 5 m ). Bags and a rusty shovel show that the sand was harvested there. Two small windows give access to a conduit below and to a pitch that David had seen empty but which we find drowned, abundantly fed by a real waterfall (it has been raining for several days). We will have to come back in dry weather. Towards the entrance, a side channel is cleared and also gives back to a substantial but impenetrable MATIENZO UNDERGROUND - site descriptions (printed
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\section*{water circulation. The topo of the main} May 21 is carried out. May 21,2022 We were able to take advantage of the great drought to descend the p4 leading to the lower gallery, clayey the p4 leading to the lower gallery, clayey and quickly finished on a small chimney (not topo). But the most interesting is the terminal squeeze. Crossed by a clear current of air blowing this day, it seems to continue in the axis of the large gallery beyond a currently impenetrable passage. (Guy Simonnot, Peter Smith)

Reference: anon.,
Simonnot G, 2022
(Easter logbook); Entrance pictures : December 2020 and May 2022 Underground pictures
Video :
```

ne Survey

```
Line Survey :
On area surve
On area sur
Survex file

5194: Lleres, Cueva de (3419

\section*{(French: SCD)} Accuracy code: G) Altitude 318 m

\section*{Length 29 m Depth 4 m}
```

Area position

```

Updated 20th November 2022
A walk-in and slope down to a small
A mber with a passage on the right that was excavated to a small chamber and digs.

5195: Cementerio, Cueva del (3336 (French: SCD))

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The altitude taken off the MCP QGIS map.

In the wooded ledge (maquis) just above the Arredondo cemetery. Access, however, must be via the Llaneces track and the overlying meadow.

The modest-sized entrance leads quickly to a comfortable gallery, several meters
high and with a flat roof established on a beautiful stratum joint. At both ends of the climbs give access to quickly limited extensions. At the end of this upper floor, a narrow passage leads to an intermediate level with a small room where many old, rusty and pierced olive oil cans are piled up!!! A straight duct that could be cleared easily at least shows a continuation for several meters. A new slightly narrow descending passage leads to a third descending passage leads to a third lower level essentially formed of a deep inclined diaclase with clay deposits at the bottom, signs of periodic flooding: elevatio
Known for a long time, the cave was

Updated 20th November 2022
A walking-size passage to a complete choke after 12 m .

The information for this site has been shared by The information for this site has been shared
Guy Simonnot (Simonnot G, 2022) and roughly Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a
a starting point. The altitude taken off the MCP QGIs a starting point. The altitude taken off the MCP QGIS map.

In the wooded ledge (maquis) just above the Arredondo cemetery. Access, however, must be via the Llaneces track and the overlying meadow.

The cave comes down to a beautiful rectilinear fossil gallery of 12 m . The section shows side benches and the walls are everywhere marked by the work of the water.

Reference: anon., 2022b (Easter logbook) Entrance picture Underground pictures : yes Video: Detailed survey : 2022 Line Survey On area survey Survex file : Accuracy code: G) Altitude 385 m Accuracy code: G) Ath
Length Om Depth 4 m Area position

A hole in dolomite (draughtless on a hot day) which was opened up. A ladder is now required to drop 4 m into a bigger space.

Reference: anon., 2022c (summer logbook) Entrance pictures: July 2022 Underground pictures

\section*{Video}

Detailed survey Line Survey On area surve Survex file

5198: dig
Enaso 30T 450988 4796670 (Datum: ETRS89 Accuracy code: G) Altitude m
Area position
Area position
This is in an adjacent shakehole to site 5163 and was visually connected after removing boulders. See 5163 survey.
```

Reference: anon., 2022c (summer logbook)
Reference: anon., 2022c (sumr

```
Entrance pictures: Jul
Underground pictures
Undergro
Video :
```

Detailed survey

```
Video :
On area surve
Survex file :
x

5199: rift
S Vega 30T 4514984795366 (Datum: ETRS89. Accuracy code: G) Altitude 216 m
Area position

\section*{Updated 24th May 2023}

In the same depression as site 0477, this is a very narrow, unimpressively draughting rift. Some work has been done with plugs and feathers. In April 2023, the level of a static pool appeared to drop overnight.

Reference: anon., 2022c (summer logbook); anon. Reference: anon., 2022c (sumn
2023b (Easter logbook)
Entrance pictures : April 2023 Entrance pictures: April 20
Underground pictures : Video : entrance with 0477 Detailed surve Line Survey Survex file :

X
5200: rift
S200: rift S Vega 30T 4505414795388 (Datur
Accuracy code: G) Altitude 275 m Length 8m Area position

An 8 m long, open rift, 3 m deep and floored with ferns.
```

Reference: anon., 2022c (summer logbook)
Reference: anon., 2022c (summ
Entrance pictures: July
Video
Detailed survey
Detailed sur
On area survey :
On area sur
X
5201: dig
S Vega 30T 4518514794633 (Datum: ETRS89,
S Vega 30T 4518514794633 (Datu
Accuracy code: G) Altit
Area position
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An unmarked hole under a large boulder
ane the gate on the track. Approx. 2.4 m deep but boulders could be heard dropping some distance onto an earthy floor. The hole may have appeared after some soil subsided but has been open long enough for the barmer to drop some pipes into it. ( $N$ farmer to
Dibben)

Reference: anon., 2022c (summer logbook)
Reference: anon., 2022c (sum
Entrance pictures: July 2022
Entrance pictures : Jul
Video :
Detailed survey
Line Survey
On area survey Survex file

This hole is about 3.5 m deep from the lower side of the entrance, with a narrow lower side of the entrance, with a narrow,
choked slot about 1 m deep on one side at choked slot about 1 m deep on one side at
the bottom. No draught noticed. There is

It was the scene of a calf rescue on 12th August, 2022.

Reference: anon., 2022c (summer logbook)
Entrance picture : August 2022
Underground picture : August 2022
Video:

An undescended, "small" shaft.
Reference: anon., 2022c (summer logbook) Entrance picture : August 2022 Underground picture :
Video :
Detailed survey
Line Survey :
On area survey

5204: dig

# About 20m inside dense woodland, this 

 dig against a face may have some draught It is possible to see down about 2 m . It was first approached by coming down through the thickly-vegetated, shallow valley - not recommended.```
Reference: anon., 2022c (summer
```


## 5206: White Rabbit

## On area sur <br> Survex

x
5207: dig
S Vega 30T 4504114794130 (Datum: ETRS89. Accuracy code: G) Altitude 594 m
Depth 2m
Area position
An unexplored small shaft covered with blocks.

```
Reference: anon., 2022c (summer logbook)
Entrance: pictures: July 2022
Underground pictures
Underground pictures
Video:
Detailed survey
Detailed sur
Oine Survey:
On area sur
```

X

5208: cave (side entrance to Cuevuca)
S Vega 30T 451489 4795306 (Datum: ETRS89.
Accuracy code: A) Altitude 246 m S Vega 30T 4514894795306 (Datu
Accuracy code: A) Altitude 246 m
Area position

Updated 24th May 2023
The side entrance to Cuevuca, site 0177. The main entrance is about 11 m to the northwest. There was no evidence of bat activity when inspected in early April, 2023.

## Bat information

Date: 5/4/2023
Evidence of occupation (only): -
Bat remains (number)
Species identified name (number): Other notes:

Reference: anon., 2022c (summer logbook); anon Reference: anon., 202
2023b (Easter logbook) Entrance picture : July 2022
Underground pictures Video:
Detailed survey
Line Survey
On area survey

X
5209: shaft
Seldesuto 30T 4492274794321 (Datum: ETRS89. Accuracy code: G) Altitude 463 m
Accuraty code:
Area position
Updated 24th May 2023
A shaft beyond a short dig where a depth of 9.3 m had been Disto'd. The hole was explored through a short wriggle onto a ledge of boulders. A vertical drop of $2-3 \mathrm{~m}$ lands on a boulder slope to where the rift becomes too narrow. The rift trends towards a doline 30 m away further up the hill.

Reference: anon., 2022d (autumn logbook); anon., 2023b (Easter logbook) Entrance picture : October 2022 : April 2023 derground pictures :
Detailed survey : April 2023-plan elevation Line Survey On area survey :
Survex file : April 2023

## X

5210: cave
Villanueva 30T 4485614804269 (Datum: ETRS89 Accuracy code: G) Altitude 267 m

## Length 25 m

At the base of a shakehole is a hands-and-knees crawl to the top of a large fallen and-knees crawl to the top of a large fallen
block and then an awkward 3 m climb down block and then an awkward 3m climb down
to lefthand and righthand branch passages to lefthand and righthand branch passag
which choke. Some nice formations. [J. which choke. Some nice formations. [J. Southworth]

Reference: anon., 2022d (autumn logbook) Entrance picture Underground pictures : October 2022 Video :
Letailed surve
On area survey: Survex file :
x
5211: cave
Villanueva 30T 4484934804249 (Datum: ETRS89 Accuracy code: G) Altitude 252 m
Length 1 m Length 1 m

## Area position

On the side of a double shakehole, a narrow slot becomes too tight.

Reference: anon., 2022d (autumn logbook) Entrance picture
Underground pictures
Line Survey :
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```
On area surv
Survex file
```

5212: cave
Villanueva 30T 4486384804412 (Datum: ETRS89. Accuracy code: G) Altitude 287 m

A low bedding feeds water into a large A low bedding feeds water into a large
concrete water tank. The source becomes concrete water tank.
too narrow to follow.

## Reference: anon., 2022d (autumn logbook) <br> Reference: anon., 2022 d (autum Entrance picture : October 2022

Underground pictures
Detailed surv
Line Survey : On area sur
Survex file

## 5218: cave

## te Llusa 30T 4488174804790 (Datum:

A low cave in a rock face part way down a shakehole.

Reference: anon., 2022d (autumn logbook) Reference: anon., 2
Entrance picture : Untrance picture:
Underground pictures Detailed survey: Line Survey : On area surve Survex file

X
5219: shaft
Monte Llusa 30T 4488324804776 (Datum ETRS89. Accuracy code: G) Altitude m Length $2 m$ Depth $2 m$

## Area position

A $2 m$ deep shaft at the base of a very A $2 m$ deep shaft at
steep-sided shakehole.

Reference: anon., 2022d (autumn logbook) Entrance picture nderground pictures Detailed survey On area survey Survex file :
X

5220: cave
Navajeda 30T 4439064801416 (Datum: ETRS89. Accuracy code: G) Altitude 66 m Length 10 m
Area position
This hole was first encountered as a craw going off behind boulders. A hands-and knees crawl reaches an excavated low section to an enlargement. On the left a dig would require the spoil to be taken out to the surface. A crowbar was lost in the cave. (Guessed length)

Reference: anon., 2022d (autumn logbook) Entrance pictures: October 2022 Underground pictures
Detailed surve
Line Survey On area survey Survex file :

X
5221: cave Navajeda 30T 4438884801520 (Datum: ETRS89 Navajeda 30T 443888 4801520
Accuracy code: G) Altitude 72 m Accuracy cod
Length 7 m Length 7 m
Area position

An excavated entrance to a 4 m long, flatout crawl that becomes too tight after a left hand bend. (Guessed length)

Reference: anon., 2022d (autumn logbook)
Reference: anon., 2022d (autumn
Entrance picture : October 2022
Entrance picture: : Octob
Underground pictures :
Detailed survey
Line Survey
On area surve
Survex file :
X

## 5222: dig

Navajeda 30T 4439024801395 (Datum: ETRS89. Accuracy code: G) Altitude 74 m Length 12 m Depth 4 m
Area position

## Area position

Updated 24th May 2023
An excavated entrance to a body-size rift hat drops to a crawl and stand-up section intersecting a broad-arch roof. There are digs in both directions - in and out of the hillside. (Guessed length / depth).

The site was dug in 3 places in early April, 2023. They all closed down and there are no plans to return.

Reference: anon., 2022d (autumn logbook); anon., Reference: anon,, 202 .
2023b (Easter logbook) Entrance picture : October 2022 Underground pictures Detailed surve Line Survey On area survey Survex file :

X
5223: shaft San Ant8nia 30T 4470594801186 (Datum:
ETRS89. Accuracy code: M) Altitude 110m ETRS89. Accur
Depth $<8 \mathrm{~m}$ ? Depth $<8 \mathrm{~m}$ ?
Area position

Updated 7th January 2023
This site is found in a lengthy, deep gully on the down-valley side of site 3014. A shelter cave in the base. (Guessed length). (Note that this description was originally (Note that this description was original attached to site 5224). The
dubious due to tree cover.

Reference: anon., 2022d (autumn logbook); anon. 2022e (Christmas logbook)

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## Untrance pictur Detailed survey Line Survey:

 On area survey Survex file
## 5224: cave

San Antonio 30T 4470644801202 (Datum: code: M) Altitude 104 m Area positior

Updated 7th January 2023
This site is found in a lengthy, deep gully on the down-valley side of site 3014 . rabbit-sized hole dig. (Note that this description was origianlly attached to site 5225 .) The position is dubious due to tree 5225.
cover.

Reference: anon., 2022d (autumn logbook); anon., 2022e (Christmas logbook Entrance pictur

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Detailed survey :
```

Line Survey
cover.
Reference: anon., 2022d (autumn logbook); anon.,
Reference: anon., 2022d
2022e (Christmas logbook)
Entrance picture :
Underground pictures
Detailed survey
Line Survey :
On area survey
Survex file

5226: dig
San Antonio 30T 4470854801243 (Datum: Depth 3 m
Area positior
Near the edge of a field, this is a 3 m drop a shallow gulley with vines
Also at the start of the gulley is a small hole that draughts slightly.

Reference: anon., 2022d (autumn logbook); anon.,

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\begin{array} { l } { \text { Reference: anon., 2022d} } \\ { 2 0 2 2 e ( C h r i s t m a s ~ l o g b o o k ) } \end{array}
```

Entrance picture :
Underground pictures
Detailed survey
Line Survey:
On area survey
Survex file

5227: Sin Sendero, Cueva

The entrance is an open 5 m pit under a tree, $12-15 \mathrm{~m}$ down from the road barrier tree, $12-15 \mathrm{~m}$ down from the road ba
A ladder aids the climb down and the A ladder aids the climb down and the
landing is in a sloping chamber. This leads landing is in a sloping chamber. This leads
to a rift that is blind but is heading for Ali Chamber / Mulu Manners area in Cueva Chamber / Mulu Manners area in Cueva
Llanío (3234). The multi-flowstone barrier at Llanío (3234). The multi-flowstone barrier at
the end of the rift was capped in the autumn the end of the rift was capped in the 2023 but no real progress was made. There 2023 but no real progress was made. T
is one blind side branch for 4 m . On the is one blind side branch for 4 m . On the right, near the bottom of the slope, is a
behind a stal barrier to nicely decorated chambers. A drop left behind a boulder leads to a squeeze into passage leading to a rift (bats) that goes past helictites for about 15 m . Near the squeeze is a diggable hole down into a flat mud floor

Opposite, left in entrance chamber leads downslope to a hole in the wall. A dug-out squeeze and drop leads to a rolling-pebble ramp to a small 'U-turn' chamber Underneath leads to a short crawl (care) past stalactites leads rapidly down into a past stalactites leads rapidly down into a large 8 m diameter, 5 m high chamber, we
decorated, accessed via a slippery ledge. decorated, accessed via a slippery led Holes and alcoves in flowstones were investigated but none look promising For a drawn survey

For a drawn survey, more detail is required.

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At Easter 2023, a passage going back to the entrance was capped open and went for was opened up under the right hand wall. Reference: anon., 2022d (autumn logbook); anon.
2022e (Christmas logbook); anon., 2023b (Easter logbook); anon., 2023d (autumn logbook) Entrance picture : Underground pictures
Detailed surve
Line Survey
On area survey :
Survex file : October 2022 - stand alone : with Survex
Llanio
x
5228: cave (2042 (French: SCD)) Bustablado 30744666554792969 (Datum: ERRS89 Accuracy code: U) Altitude 473m Length 25m Depth 8 m Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Tra translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

On the left bank of a small tributary ravine of the Tabladillo valley. The cavity serves as a temporary sink. Crawling descent over 3 or 4 m . Large, low flue ( 1 m ) which expands 5 m further to form a room ( $8 \mathrm{~m} \times 5$ ) with 7 m chimney. Squeeze of 2 m and small room of 4 m . A small conduit, to be cleared and visible for a few metres, goes to the left with the temporary flow which runs through the entire cavity.

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Reference: Simor
Underground pictures
Detailed survey
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Line Survey
On area surve
Sur
X

5229: cave (2043 (French: SCD) Bustablado 30T 4461184793 Accuracy code: U) Altitude 456 m Length 16 m Height 7 m
Area position
The information for this site has been shared by Guy
Simonnot (Simonnot G, 2022) and roughly Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google $T r$.
translated from the French using Google Translate a a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

On the right bank of the same ravine as cueva SCD2042 / MCP5228 and slightly downstream An entrance $(2 \times 1 \mathrm{~m})$ opens onto a corridor quickly dividing into 3 conduits centered on joints. A chimney of about 7 m marks the end of the cavity.

```
Reference: Simonnot G, }202
Entrance picture:
Detailed survey
Line Survey
On area surve
Survex fil
X
```

5230: Cubillo (2044 (French: SCD)
Bustablado 30T 4464334791957 (Datum: ETRS89 Accuracy code: G) Altitude 303 m
Length 10 m Depth 8 m
Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a starting point. The original grid reference used
ED50 datum which has been converted to the ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

A cold store with a hole between blocks of the floor, exhaling a draught, makes it possible to guess a small vertical notch. Some clearing occurred in February 2011 when a widening was visible 2 m lower. Draughting on September 26, 2016 with a small clearing on September 28, 2016. The work seems important and we must take into account the stability of the walls of the Cubillo! (Guy Simonnot) Clearing resumed in 2020 (Patrick and Sandrine Degouve, Magin Ulises, Guy Simonnot) with a 5 m descent + 3 or 4 m jump and rockfall room. (see topo P. Degouve) t $14^{\circ} \mathrm{C}$


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Underground pictures
Detailed survey
Line Survey
On area surve
S.
5231: Morque, Torca de la (2354 (French: SCD)) (C907)
Bustablado 30T 4453714793715 (Datum: ETRS89 Accuracy code: U) Altitude 607 m
Length 30 m Depth 30 m 30 m Depth 30 m
MATIENZO UNDERGROUND - site descriptions (printed \(19002 / 202\)
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position

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The information for this site has been shared by Guy trat and ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

Elongated mouth surrounded by trees, which goes down about 9 m to a ramp that gives access to a pitch that goes dowr gpproximately 21 m . The entire cavity approximately 21 m . The entire cavity is impregnated with the smell given off by different decomposing animals that are in the background, the floor is full of worms. April 3, 2015 Asociación Cientificode Mataró of the cavity
Reference: Simonnot G, 2022
```

Entrance picture:yes

```
Detailed survey
Line Survey:
Line Survey:
On area survey
Survex file
Sur
X

\section*{5232: Falla 1, Torca (2662}

\section*{(French: SCD)}

Bustablado 30T 4496734791905 (Datum: ETRS89. Accuracy code: G) Altitude 245 m

\section*{Length 10 m
Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughl translated from the French using Google Translate as a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map

Prospecting along a major fault that borders the valley of the Río Bustablado on its left bank. At the foot of the great relief of fault (under the road going up to Alisas) well marked collapses underline the route of the geological accident. At least three have penetrable shafts of about ten meters with underlying voids that seem comfortable. A unded current of air comes out. In the woods good current of air comes out. In the woods, just above the Arredondo water reservoi
and very slightly to the west. bouldering and very slightly to the west. boulder chasm ( 8 to 10 m ) with
alternating air current?

Reference: Simonnot G, 2022
Reference: Simo
Entrance picture
Entrance picture:
Underground pictures
Detailed survey
Line Survey
On area survey
X
5233: Falla 2, Torca (2663
(French: SCD))
Bustablado 30T 4496764791912 (Datum: ETRS89. Accuracy code: G) Altitude 248 m
Length 10 m Depth 10 m
Area positio
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a: a starting point. The original grid reference use
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS mar

Another narrower chasm along the faul relief. Unstable. Air blowing. (See 5232)
```

Reference: Simonr

```
Underground pictures
Detailed surv
Line Survey
On area sur
On area sur
Survex file :
X

5234: Falla 3, Torca (2664
(French: SCD))
Bustablado 30T 4496564791909 (Datum: ETRS89. Accuracy code: G) Altitude 247 m
```

Length 10m Depth 10m

```
Area position
The information for this site has been shared by Guy
Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate as
a starting point. The original grid reference use
ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
ETRS89 datum
MCP QGIS mar
Descent to -2 in a collapse. A pitch of 8 to
10 m overlooks a large corridor (fault?) (See
5232 and 5233)
```

Length 5m

```
The information for this site has been shared by Guy
Simonnot (Simonnot G, 2022) and roughly
translated from the
translated from the French using Google Translate a
a starting point. The original grid reference used
ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
ETRS89 datum
MCP QGIS map.
A very small cave in the cliff (fault relief).
Tube of 5 or 6 m plus 2 m impenetrable, no
air.
Reference: Simonnot G, 2022
Entrance picture
Underground pictures
Detailed survey
Line Survey
On area survey :
Survex file :
X
5236: shaft (2728 (French:
SCD)
Piluca 30T 4521534793485 (Datum: ETRS89.
Accuracy code: G) Altitude 523 m
Length 4 m Depth 3 m
Length 4 m
Area position

The information for this site has been shared by Guy The information for this site has been shared
Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used
ED50 datum which has been converted to the ED50 datum which has been converted to the ED5S datum datum above, with the altitude taken off the
MCP QGIS map.
(No description)
Reference: Simonnot G, 2022
Entrance picture
Underground pictures
Detailed survey : Line Survey On area survey : Survex file
X
5237: shaft (2729 (French:
SCD)

Accuracy code: G) Altitude 545 m
Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.
(No description)
Reference: Simonnot G, 2022
Entrance picture :
Underground pictures Detailed survey
Line Survey: Line Survey On area surve
Survex file :
X
5238: shaft (2730 (French: SCD))
Piluca 30T 4522164793685 (Datum: ETRS89 Accuracy code: G) Altitude 547 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map.
(No description)
Reference: Simonnot G, 2022
Entrance picture
Underground pictures
Detailed surve
On area surve
On area s
Survex file
5239: Jaula, Torca de la (2782

\section*{(French: SCD)}

Garma de los Trillos 30T 4483124793262 (Datum: ETRS89. Accuracy code: G) Altitude 580 m Length 5m Depth 5 m Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

A pitch (5 to 6 m ?) of small section, completely surrounded by wire netting in which brambles have proliferated abundantly and make access tricky!
\begin{tabular}{l} 
Reference: Simonnot G, 2022 \\
Entrance picture: \\
Underground pictures : \\
Detailed survey : \\
Line Survey : \\
On area survey : \\
Survex file : \\
X \\
\hline MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024) \\
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\end{tabular}
 Bustablado 30T 4484614792176 (Datum: ETRS89. Accuracy code: G) Altitude 520 m
Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the MCP QGIS map

A dozen metres east of the Cueva del Molino. A narrow enlarged opening reveals a deep meander of a few meters

Reference: Simonnot G, 2022
Entrance pictur
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Underground pict

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Line Survey
On area survey
On area sur
Survex file

5241: cave (2792 (French: SCD)) Bustablado 30T 4484264792164 (Datum: ETRS89. Bustablado 30 T 4484264792164
Accuracy code: G) Altitude 215 m Accuracy code
Area position

The information for this site has been shared by Guy The information for this site has been shar
Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to the
ETRS899 datum above, with the altitude taken off the QGIS map

At the side of the road, 20 m west of the Cueva del Molino. Draughting.
```

Reference: Simonnot G, }202

```
Entrance pictur
Underground pic
Detailed survey
Detailed surv
Line Survey :
On area survey
Survex file 5242: cave (2795 (French: SCD)) Bustablado 30T 4492424792014
Accuracy code: G) Altitude 268 m Accuracy code: G) Altit
Length 5 m Depth 3 m

\section*{Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the MCP QGIS map.

In the Rio Bustablado valley, in a corridor going up and intersecting the fault relief. A going up and intersecting the fault relief. A
small descending cave of 3 m (entrance 1.2 small descending cave of 3 m (entranc
\(\mathrm{m} \times 0.9\) ). At the bottom on the left, a
\(m \times 0.9)\). At the bottom on the left, a
conduit, impenetrable and visible on 2 n
conduit, impenetrable and visible on 2 m prolongs the cavity. No noticeable draughts.
```

Reference: Simonn

```
Entrance picture
Underground pictures
Detailed surv
Line Survey:
Survex file

5243: Sombra, Hoyo de la (a \& b) (2802 (French: SCD)
Pinca 30T 4514774793372 (Datum: ETRS89.
Accuracy code: G) Altitude 578 m
Length 2 m Depth 2 m
Length 2 m Depth 2 m
Area position
Area posio
The information for this site has been shared by Guy
Simonnot (Simonnot G, 2022) and roughl
translated from the French using Google Translate as
a starting point. The original grid reference use
ETRS89 datum above, with the altitude taken off the
MCP QGIS map

On the southwest slope of Piluca, in a wooded depression, to the right of the track Somo.

At the bottom of the hoyo, a first hole (2) extends into the bedrock via an impenetrable crack of about 1.5 m that appears to be blocked. No noticeable drafts. Ten meters further north, a second low point Ten meters further north, a second
is marked by a long crack \((5 \times 0.8 \mathrm{~m})\) for is marked by a long crack ( \(5 \times 0.8 \mathrm{~m}\) )
1.5 m deep. At one end, a 2 m gallery quickly ends in a very small funnel filled with earth and various bones. No draught.
will
```

Reference: Simonnot G, }202

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Entrance pictur
Underground pic
Detailed surv
Line Survey :
On area survey
X

\section*{5244: shaft (2870 (French:} SCD)
Piluca 30T 4517324793544 (Datum: ETRS89. Accuracy
Depth 6 m Area position
The information for this site has been shared by Guy MATIENZO UNDERGROUND site descripitions (printed 19/02/2024) Volume 7 - page 96

Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Trar translated from the French using Google Translat a starting point. The original grid reference use
ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

A small undescended 6 m shaft.
Reference: Simonnot G, 2022 Reference: Simonno
Entrance picture:
Underground pictu Detailed survey : Line Survey : On area surve) Survex fil X

\section*{5245: Tres Cerditos, Torca}

\section*{(2871 (French: SCD)}

Piluca 30T 4517074793561 (Datum: ETRS89.
Accuracy code: G) Altitude 629m
Depth 4 m

\section*{Area position}

The information for this site has been shared by Gu Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference usec ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off th MCP QGIS map.

Three small contiguous entrances in the moor (one with water). Estimated depth about 4 to 5 m
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Reference: Simon

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Entrance picture
Underground pictures
Detailed survey
Line Survey
On area survey
Survex file :
X

5246: Calera, Sumidero de la (2872 (French: SCD))
Piluca 30 T 4514004793533 (Datum: ETRS89. Accuracy code: G) Altitude 569m Depth 1 m

\section*{Area position}

The information for this site has been shared by Guy The information for this site has been share
Simonnot (Simonnot G, 2022) and roughly Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate translated from the French using Google Translat
a starting point. The original grid reference used ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

At the bottom of a large depression (40 to 50 m ) a temporary flow is lost in a sink that is unfortunately quickly impenetrable.
Reference: Simonnot G, 2022 Entrance picture : April 2019 Underground pictures Line Survey: On area surv Survex file X
5247: Heno, Hoyo del (2873 (French: SCD)) Piluca 30T 4513074793533 (Datum: ETRS89. Accuracy code: G) Altitude 565 m Arcua position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

In the bedrock, on the side of a small hoyo. Tube descending, penstock arch (?!), no obvious air. To enlarge

Reference: Simonnot G, 2022 Entrance picture :
Underground pictures Detailed survey : Line Survey On area surve Survex fil

5248: Endrinos, Sumidero de los (2874 (French: SCD))
Piluca 30T 4513964793478 (Datum: ETRS89. Accuracy code: G) Altitude 578 m
Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly ranslated from the French using Google Translate a a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

In a depression ( \(30 \times 10 \mathrm{~m}\) ). A squeeze of m with, it seems, a void to be revisited.
Reference: Simonnot G, 2022

Entrance picture
Underground pictures
Detailed surve
On area surv
Survex file :
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scripions (printed 190021202
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\section*{5249: Dos Ojos, Hoyo de los} (2875 (French: SCD) Piluca 30 T 4513804793418 (Datum: ETRS89. Accuracy code: G) Altitude 573m Depth 1 m
Area position

\section*{The information for this site has been shared by Guy} Area positio Simonnot (Simonnot G, 2022) and roughly
translated from the French using Googl translated from the French using Google Translate as a starting point. The original grid reference use ETRS89 datum above, with the altitude taken off the ETRS89 datum
MCP QGIS map.

On the side of a depression, two collapses along the rock face. Any unclogging in the block fill seems quite random.

Reference: Simonnot G, 2022 Entrance picture : April 20 Underground pictures

5250: Molino, Cueva del (2nd entrance, shaft) (2915 (French: SCD)
Bustablado 30T 4484354792186 (Datum: ETRS89. Accuracy code: G) Altitude 229 m Accuracy Co
Depth 4 m
Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the EDS datum which has been converted to the
ETRS89 datum above, with the altitude taken off the MCP QGIS map.

Second entrance to Cueva del Molino, near and above the main entrance.
MCP QGIS map

Three meters to the left of the second entrance to Cueva del Molino. An upward meandering gallery \((+3)\) about 5 m .

Reference: Simonnot G, 2022
Entrance picture :
Underground pictures:
Detailed survey

5252: Tufo, Cueva del (2920
(French: SCD))
Arredondo 30T 4499074792520 (Datum: ETRS89. Accuracy code: G) Altitude 460 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the QGIS map.

A dig.
Reference: Simonnot G, 2022
Entrance picture

5253: cave (2954 (French: SCD)) Arredondo 30T 4510144792104 (Datum: ETRS89. Arredondo 30T 4510144792104
Accuracy code: G) Altitude 277 m Accuracy code:
Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the

A small entrance at the base of a rock ledge. At the bottom jump to see? Not obvious

Reference: Simonnot G, 2022
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Underground picture : November 2019
Underground pictures
Detailed surve
Line Survey
On area surve

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Survex fil
X
5254: cave (2955 (French: SCD))
Arredondo 30T 4509934792117 (Datum: ETRS89
Accuracy code: G) Altitude 284 m
Accuracy code position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a starting point. The original grid reference used ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the MCP QGIS map.

Beautiful entrance in the form of a small porch. On the left, small gut (badger's nest) to be looked at again
Reference: Simonnot G, 2022
Entrance picture : November 2019
Underground pictures:
Detailed survey
Line Survey
On area survey
Survex file :
X
5254: cave (2955 (French: SCD))
Arredondo 30T 4509934792117 (Datum: ETRS89
Arredondo 30T 450993 4792117
Accuracy code: G) Altitude 284 m
Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a: a starting point. The original grid reference usec ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the

Beautiful entrance in the form of a smal porch. On the left, small gut (badger's nest) to be looked at again.

Reference: Simonnot G, 2022
Reference: Simonnot G, 2022
Entrance picture : November 2019 Untrance picture: Nov
Underground pictures
Detailed survey: Detailed survey Line Survey : On area surve Survex fil X
5256: cave (2965 (French: SCD)) (GZ94)
Arredondo 30T 4500354791973 (Datum: ETRS89. Accuracy code: A) Altitude 245 m Length 61 m Depth 15 m

\section*{Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate as translated from the French using Google Translat
a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

In the rocky embankment, at the edge of the road which goes up to Alisas, a hundred metres after the junction of Bustablado. The entrance \((0.4 \times 0.8 \mathrm{~m})\) gives onto a 6 m ramp then a chaotic room due to the collapse of the vault. On the left we find a room with some formations. No noticeable draught.

Reference: Simonnot G, 2022 Entrance picture : Underground pictures
Detailed survey : 2022 Detailed survey : 2022
Line Survey Line Survey Survex file :
X
5257: shaft (2966 (French: SCD)
Bustablado 30T 4482294792610 (Datum: ETRS89 Accuracy code: G) Altitude 446 m

\section*{rea position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly simonnot (Simonnot G, 2022) and roughly a starting point. The original grid reference used ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

In the rocky slope of the route that goes p to Alisas. Small entrance to clear. Passage with some concretions to see.
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Reference: Simonnot G, }202

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Entrance picture
Underground pictures
Detailed sury
Line Survey
On area survey:
Survex file
X
5258: shaft (2967 (French:

\section*{SCD)}

Bustablado 30T 4482584792618 (Datum: ETRS89 Accuracy code: G) Altitude 442 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly MATIENZO UNDERGROUND - site descriptions (printed \(19002 / 2022\)
translated from the French using Google Translate as
a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map. MCP QGIS map.
In the rocky slope of the road that goes up to Alisas. A narrow drop (impenetrable as it is) of a few metres. To review.
Reference: Simonnot G, 2022
Entrance picture: Entrance picture :
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Detailed survey

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Detailed surv
Line Survey :
On area survey :
On area sur
Survex file

5259: cave (2969 (French: SCD)) (GZ96)
Bustablado 30T 4474164792210 (Datum: ETRS89. Accuracy code: G) Altitude 254 m

\section*{Accuracy cod
Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughl translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

Bustablado, at the edge of a path going up to Corvera. (No description.)

Reference: Simonnot G, 2022
Entrance picture : February 2020
Entrance picture : Febr
Underground pictures
Detailed survey
Line Survey
On area sur
Survex file


5261: cave (2971 (French: SCD)) Arredondo 30T 4531244791865 (Datum: ETRS89. Arredondo
Accuracy code: G) Altitude 224 m Length 5 m Depth 1 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ED50 datum which has been converted to the ETRS89 datum al
MCP QGIS map.

Thirty meters to the east of site 5260, at the end of the ledge, this is a short gallery ( \(5 \mathrm{~m} \times 2\) ) ending in small passages to \(b\) reviewed if necessary after clearing (no draught).
Reference: Simonnot G, 2022 Entrance picture : February 2020 Entrance picture : Febry
Underground pictures Detailed survey Line Survey : On area survey

5262: Corvera, Cueva de la (2972 (French: SCD)) (GZ97 Bustablado 30T 4475654792251 (Datum: ETRS89. Accuracy code: G) Altitude 296m Length 134 m Depth 13 m Area position
the first houses at the entrance to
Ructahlado The aallery decrendin Bustablado. The gallery, descending and iter a narrowing; but alas it quickly stumbles on an imposing filling ( -10 ). A p7 chokes. (bottom at -13).

Reference: Simonnot G, 2022
Reference: Simonnot G, 2022 Underground pictures : February 2022 Detailed survey : 2020 Line Survey: On area surve Survex file

X
5263: cave (2974 (French: SCD) 2rredondo 30T 4516474791967 (Datum: ETRS8) Arredondo 30T 4516474791967
Accuracy code: G) Altitude 280 m Accuracy code: G) Altit
Length 6 m Depth 1 m

\section*{Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the CP QGIS map.

The entrance links to a small, rapidly impenetrable meander which comes from an entrance 6 m further on in the rock ledge.
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Reference: Simonnot G, }202

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Entrance picture
Underground pictures
Detailed surv
Line Survey
On area survey :
Survex file
X

\section*{5264: shaft (2975 (French:}

\section*{SCD)}

Arredondo 30T 4516584791997 (Datum: ETRS89 Accuracy code: G) Altitude 288 m Depth \(4 m\)

\section*{Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ETRS89 datum above, with the altitude taken off the MCP QGIS map.

A first clearing suggests a slightly wider conduit with for 3 or 4 m . (no obvious draught).

Reference: Simonnot G, 2022
Entrance picture
Underground pictures
Detailed surve Line Survey On area surve
Sur
X
5265: Cerezo Silvestre, Torca del (2976 (French: SCD)) Arredondo 30T 4514094791948 (Datum: ETRS89
Accuracy code: G) Altitude 287 m Accuracy code: G) Altitude 287 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

On the right side of a small rocky cirque. Impenetrable crack as it is, about 2 m deep.

Reference: Simonnot G, 2022
Entrance picture
Underground pictures
Detailed survey :
Line Survey
On area surve
Survex fil
5266: Castaños Muertos, Torca de los (2977 (French: SCD)) Arredondo 30T 4513454791958 (Datum: ETRS89 Accuracy code: G) Altitude 286 m
Area position Area position
The information for this site has been shared by Gu Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate
a starting point. The original grid reference used a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

Clearing of the shaft on the right up to a block to remove. Behind, a crack is hardly visible. Fresh air felt

Reference: Simonnot G, 2022
Entrance picture
Underground pictures
Detailed survey :
Detailed surve Line Survey Survex file :
X

5267: shaft (2990 (French:

Reference: Simonnot G, 2022 Entrance picture : May 2020

5270: shaft (3140 (French:

Entrance picture Underground pictures Detailed surve Line Survey :

\section*{On area sur
Survex file :}

S
X
5271: cave (3147 (French: SCD)) Arredondo 30T 4505444793090 (Datum: ETRS89. Accuracy code: G) Altitude 470 m Length 20 m Depth 3 m

\section*{Area position}

The information for this site has been shared by Gu Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

A little to the east (c200m?) and below the large Cueva de la Rasa (MCP5135 SCD3148). Beautiful porch and cave of about ten meters ending on a totally impenetrable squeeze (no draught). To the left of the entrance a low and wide lateral tube, occupied by badgers, emerges through a small entrance in the cornice.

\section*{Reference: Sim
Entrance pictu Underground pe : Detailed survey} Line Survey On area surv
Survex fild
X
5272: cave (3232 (French: SCD) (GZ86)
Bustablado 30T 4470244792784 (Datum: ETRS89 Accuracy code: G) Altitude 401 m ength 3m Depth 3m Area position

The information for this site has been shared by Guy The information for this site has been share
Simonnot (Simonnot G, 2022) and roughly translated from the French using Gooogle Translate a starting point. The original grid reference used ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the QGIS map

At the top of the Corvera track and in the middle of a pine wood under the Alisas road middle of a pine wood under the Alisas road A small passage with two entrances separated by a few metres. Completely clogged with stones and mud. No noticeable draughts.
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Reference: Simonnot G, 2022
Entrance picture :
Underground pictures
Detailed surve
Line Survey
On area sur
Sur

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5273: cave (3233 (French: SCD))
Arredondo 30T 4470744792810 (Datum: ETRS89.
Accuracy code: G) Altitude 446m
Length 4 m

The information for this site has been shared by Gu Simonnot (Simonnot G, 2022) and roughly simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translat ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map.路

At the top of the Corvera track under the Alisas road. Small cave formed by the piling up of blocks without possible continuation.
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Reference: Simonnot G, }202

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Entrance pictu
Underground pictures
Detailed surv
Line Survey
Survex file :
X
5274: cave (3234 (French: SCD))
(GZ88)
\(\frac{\text { GZ88) }}{\text { Arredondo }}\) 30T 4497734791881 (Datum: ETRS89
Accuracy code: G) Altitude 227 m
Length 18 m Depth 3 m
Area position
The information for this site has been shared by Guy
Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate
a starting point. The original grid reference used
ETRS89 datum above, with the altitude taken off th
MCP QGIS map.

At the edge of the road that joins the village of Bustablado from Arredondo and about a hundred meters after the junction with the Alisas road. A small cave in the shape of a fault. The too narrow bottom is clogged with stones. The draught at the entrance comes from a second access two metres higher.
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Line Surve

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\section*{5275: shaft (3293 (French}

\section*{SCD) (GZ107)}

La Garma 30T 4455944794175 (Datum: ETRS89 Accuracy code: G) Altitude 620 m

\section*{Length 19 m Depth 19 m \\ Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughl translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map

On the south-eastern limit of the Garma Blanca. To get there, take the path that goes up from Bustablado to Tabladillo and passes by Cullaherboso. Description:

Open pit between two walls at the entrance to the lapiaz. Entrance of \(1.85 \times\) 0.80 m . It is a pitch over 3 m wide in the shape of a joint and 19 m deep. The bottom is filled with large boulders with no hope of continuation. There is no draught.

Reference: Simonnot G, 2022 Reference: Simonn
Entrance picture : Underground pictures

5276: shaft (3294 (French:
SCD)) (GZ108)
Las Piqueras 30T 4458734794414 (Datum
ETRS89. Accuracy code: G) Altitude 621 m ETRS89. Accuracy code: G) Altitude 621 m Length 37 m

The information for this site has been shared by Guy The information for this site has been share
Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the MCP QGIS map
In the southern part of the Garma de Piqueras. To get there you have to climb from Bustablado in the direction of Cullaherboso and Garma Blanca passing through Tabladillo

The entrance at ground level is \(2.5 \times 1.4\) m . The torca consists of a single 31 m deep pitch. At the bottom it is completely filled with stones. From the middle of the pitch the dimensions are enlarged and you end up in a small sloping room. There is no continuation possible at the bottom (no air circulation).

At the time of the descent in May, a rook (and her three eggs) nested in the middle of the pitch
Reference: Simonnot G, 2022

5277: shaft (3295 (French:
SCD)) (GZ109)
Las Piqueras 30 T 4458884794394 (Datum
ETRS89. Accuracy code: G) Altitude 615 m ETRS89. Accuracy code: G) Altitude 615 m Length 23 m Depth 22 m

The information for this site has been shared by Guy The information for this site has been shal
Simonnot (Simonnot \(\mathrm{G}, 2022\) ) and roughl translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS mar

In the southern part of the Garma de Piqueras. To get there you have to climb from Bustablado towards Cullaherboso anc Garma Blanca passing through Tabladillo The entrance, surrounded by barbed wire, measures \(1 \times 0.8 \mathrm{~m}\). The pitch is 22 m deep without continuation; a small windou 2 m from the bottom of the pitch also leaves no hope of continuation


Underground pictures
Detailed surv. On area surv

5278: shaft (3296 (French:

\section*{SCD) (GZ110}

Las Piqueras 30T 4459204794385 (Datum ETRS89. Accuracy code: G) Altitude 610 m Length 54 m Depth 33 m Area position

\section*{a starting point. The original grid reference used
ED50 datum which has been converted to the} EDTR datum which has been converted to the
MCP datum above, with the altitude taken off the
MCP map.

In the southern part of the Garma de queras. To get there you have to climb from Bustablado towards Cullaherboso and Garma Blanca passing through Tabladillo. A \(3 \times 2 \mathrm{~m}\) entrance is surrounded by barbed wire. The torca begins with a pretty pitch of 19 m with completely smooth walls The route had to be cleared and gives access to a 9 m pitch without continuation; the way on is on the other side of this pitch. A short crossing leads to a final 13 m drop. At the bottom of the latter, a last narrow passage leaves no hope of continuation. Draught is absent throughout the hole.

\section*{Reference: Simonnot G, 202}

Entrance picture
Underground pictures
Detailed survey : 2020
Detailed sury
Line Survey
On area survey
file

\section*{X}

5279: shaft (3297 (French:

\section*{SCD)) (GZ111)}

Las Piqueras 30 T 4459174794341 (Datum: ETRS89. Accuracy code: G) Altitude 599 m Length 24 m Depth 23 m

\section*{Area position}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly starting point. The original grid reference used a starting point. The original grid reference use
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map. MCP QGIS map.

In the southern part of the Garma de queras. To get there you have to climb from Bustablado towards Cullaherboso and Garma Blanca passing through Tabladillo.

The \(0.6 \times 0.6 \mathrm{~m}\) entrance was blocked by large blocks. Opening up allowed access to the only shaft in the cavity, a p21 in the form of a joint more than 6 m wide. The bottom is lined with stones that do not leave the slightest chance of continuation. Draught is absent throughout the hole.
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Reference: Simonnot G, }202
Underground pictures
Detailed survey:
Line Survey
On area surv

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X
5280: shaft (3298 (French:
SCD)) (GZ112)
Las Piqueras 30T 4459114794295 (Datum
ETRS89. Accuracy code: G) Altitude 570 m
Length 7 m Depth 4 m
Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

In the southern part of the Garma de iqueras. To get there you have to climb from Bustablado towards Cullaherboso and Garma Blanca passing through Tabladillo. The entrance of \(0.6 \times 0.6 \mathrm{~m}\), blocked by tones, is a small shaft which gives access to a room with a low roof by which one reaches a narrow vertical joint too narrow to be able to continue without work. The entrance blows a small amount of air in hot weather but quite diffuse, which is barely felt at the bottom. This does not encourage further work.

Reference: Simonnot G, 2022
Reference: Simon
Entrance picture
Untrance picture :
Detailed surver pictures
Detailed survey
Line Survey
On area sur
Survex file
X
5281: shaft (3299 (French:

\section*{SCD) (GZ113)}

Alisas 30T 4465844794141 (Datum: ETRS89 Accuracy code: G) Altitude 581 m Length 16 m Depth 16 m
Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate as a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off th
MCP QGIS map.

Above the track that goes towards Cullaherboso. To get there, take the path from Bustablado towards Tabladillo and Garma Blanca
MATIENZO UNDERGROUND - site descriptions (printed 19002/202

The entrance, almost blocked by

In the southern part of the Garma de Piqueras. To get there you have to climb from Bustablado towards Cullaherboso and Garma Blanca passing through Tabladillo. The entrance of \(0.6 \times 0.8 \mathrm{~m}\) has been blocked by the shepherds. The torca consists of a 20 m shaft followed by a small ramp and another 3 m shaft blocked by blocks. Draught is absent throughout the descent.

Reference: Simonnot G, 2022
Entrance picture :
Underground pictures
Detailed survey Line Survey On area sur
Survex file :

X
5283: shaft (3301 (French: SCD)) (GZ115)
Las Piqueras 30T 445930 4794355 (Datum
ETRS89. Accuracy code: G) Altitude ETRS89. Accuracy code: G) Altitude 603 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ED50 datum which has been converted to th ETRS89 datum above, with the altitude taken off the

In the southern part of the Garma de Piqueras. To get there you have to climb from Bustablado towards Cullaherboso and Garma Blanca passing through Tabladillo Entrance of \(2.3 \times 1.2 \mathrm{~m}\). This is a simple shaft of 20 m without continuation at the bottom. At mid-pitch and to the bottom, we see a narrow gap which suggests a paralle shaft without much interest. There is no draught.
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Reference: Simonn

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Underground picture
Underground pict
Detailed survey.
Detailed surv
Line Survey :
Line Survey
On area sur
On area sur
Survex file :

5284: cave (3303 (French: SCD)) (GZ117)
Bustablado 30T 4472734792309 (Datum: ETRS89. Accuracy code: G) Altitude 282 m Length 46 m Depth 15 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughl translated from the French using Google Translate as
a starting point. The original grid reference used a starting point. The original grid reference use
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

At the end of a meadow at the Bustablado exit, taking the road towards La Corvera
is located in the hypothetica axis between the cave of Molino and that of Orcones. The \(0.6 \times 0.7 \mathrm{~m}\) entrance is a small hole 2 m deep which leaves us in a narrow meander; after having enlarged it, we reach an 8 m deep ramp which brings us to the entrance of a room with some beautiful formations. The continuation is a the bottom of this room, where through a narrow passageway one reaches a smaller room with a low roof where one can see the outside through a narrow ventilator. The strong current of air, which enters through this ventilator in hot weather and which probably does not go towards the upper entrance, could not be followed.

Underground pictures
Detailed survey : 2020 Line Survey On area surv Survex fil
X
5285: resurgence (3306 (French: SCD) (GZ120)
Alisas 30T 446932 4793748 (Datum: ETRS89 Accuracy code: G) Altitude 519 m Length 97 m Height 7 m Area position The information for this site has been shared by Gu
Simonnot (Simonnot G, 2022) and roughly Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a starting point. The altitude has been taken off the MCP QGIS map.

The location is about sixty metres above the road that climbs from Bustablado via Tabladillo towards the Alisas pass. About 250 m north of Fuente de Campas ( \(\mathrm{n}^{\circ} 2400\) ) This is an active resurgence of small dimensions. The entrance is half hidden by a block and is one metre above and to the right of the water exit. After the entrance and for about ten metres, follow a water collection pipe. Most of the course is done on all fours and the moments when you can on all fours and the moments when y
stand up are rare. Towards the most upstream point, the dimensions become upstream point, the dimensions
more and more reduced and the more and more reduced and the continuation is done in small ducts. At the higher point, too severe a narrowing marks the end, which would need to be enlarged \(t\) continue. The absence of draughts, even with flowing water, is almost total throughout the hole, which does not encourage work to be done.

\section*{Reference: Simon
Entrance picture}
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Entrance picture

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Underground pictures
Detailed survey : 2020
Line Survey
On area surve
Survex file :
X

5286: shaft (3307 (French:

\section*{SCD) ( GZ121)}

Las Piqueras 30T 4459254794470 (Datum: Las Piqueras \(30 T 4459254794470\) (Datum
ETRS89. Accuracy code: G) Altitude 616 m Length 12 m Depth 10 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate
a starting point. The altitude is taken off the MCP a starting poi
OGIS map.

In the southern part of the Garma de Piqueras. To get there you have to climb Piqueras. To get there you have to
from Bustablado in the direction of Cullaherboso and Garma Blanca passing Cullaherboso and
through Tabladillo.

A \(5 \times 4 \mathrm{~m}\) sinkhole with vertical walls. A 4 A \(5 \times 4 \mathrm{~m}\) sinkhole with vertical walls.
m drop leaves us at the bottom of this m drop leaves us at the bottom of this doline where a narrow meander gives acces
to a 4 m pitch. The continuation is blocked to a 4 m pitch. The continuation is blocked
by stones; the draught is completely absent
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Reference: Simonnot G, }202

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Entrance picture
Underground pictures
Detailed surve
On area surv
On area sur
Survex file
X

5287: cave (3337 (French: SCD)) (GZ168)
Bustablado 30T 4462224791978 (Datum: ETRS89. Accuracy code: G) Altitude 337 m Arcuracy code

The information for this site has been shared by Guy
Simonnot (Simonnot G, 2022) and roughly The information for this site has been share
Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a starting point. The original grid reference used ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off th MCP QGIS map.
[No description]
Reference: Simonnot G, 2022 Entrance picture Underground pictures Detailed surve Line Survey : On area surve
X
5288: Lirón. Torca del (3348
(French: SCD)
Arredondo 30T 451621 4791796 (Datum: ETRS89 Accuracy code: G) Altitude 240 m Length 11 m Depth 8 m

\section*{Area position}

The information for this site has been shared by Guy The information for this site has been share
Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a a starting point. The original grid reference used
ED50 datum which has been converted to the ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map. Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
[No description of the site]
Reference: Simonnot G, 2022 Entrance picture :
Detailed survey
Line Survey
On area surv
5290: sink ( 3382 (French: SCD)) Arredondo 30T 4505104793059 (Datum: ETRS89 Arredondo 30T 4505104793059
Accuracy code: G) Altitude 462 m Accuracy code: G) Alti
Length 1 m Depth 1 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the ETRS89 datum
MCP QGIS map.

In a meadow, loss of a temporary stream a small depression
After clearing, a descent of about 1 m in the blocks of a hopper. A draught is
noticeable but much less than that which, in summer, goes up the tributary of the Pierre Vide in the Cueva de la Rasa

Reference: Simonnot G, 2022
Entrance picture : Octo
Underground pictures
Detailed survey
Line Survey :
On area survey
Survex file

5291: cave (3384 (French: SCD)) La Azuela 30T 4501514792882 (Datum: ETRS89. Accuracy code: G) Altitude 536 m Area position

The information for this site has been shared by Guy The information for this site has been share
Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS mal A small impenetrable pipe as it is, along
the road, 30 m before the cueva MCP5294 / the road, 30 m before the cuev
SCD3390. No obvious draught.
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R Reference: Simonr
mot G, 2022

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Underground picture
Undailed survey
Detailed surv
Line Survey:
Oine Survey:
On area sur
Survex file
x

5292: sink (3388 (French: SCD)) La Azuela 30T 4496774792878 (Datum: ETRS89 Accuracy code: G) Altitude 224 m
a starting point. The original grid reference used
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the
MCP QGIS map. MCP QGIS map.

Following the violent rains of the last 3 weeks, a collapse has formed in the ditch bordering the track connecting Arredondo to Llaneces. The one metre deep sink, with a part limestone wall on the road side, serves as a loss for a newly created temporary flow. The loss was filled by the road services at the beginning of January 2022. Collapsed after new rains, it was filled again in March 2022, then in April 2022...

Reference: Simonnot G, 2022
Entrance picture Underground pictures Detailed surve Line Survey Survex file
Surea
X
5294: Bolso, Cueva del (3390 (French: SCD))
La Azuela 30T 4501234792875 (Datum: ETRS89 Accuracy code. G) Altitude 537 m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly Sranslated from the French using Google Translate a starting point. The original grid reference used D50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the CP QGis map.

After 7 m a clearance and advance of 3 m At the terminus there is a reduced passage between the roof and the altered stalagmitic crusts covering the clay filling

Reference: Simonnot G, 2022 ntrance picture Underground pictu Line Survey On area surve Survex file
X
5295: Colorado 4, Cueva de (3399 (French: SCD))
La Azuela 30T 4501454792869 (Datum: ETRS89 Accuracy code: G) Altitude 532 m Length 7 m Depth 1 m Area position

The information for this site has been shared by Gu imonnot (Simonnot G, 2022) and roughly anslated from the French using Google Translate a a starting point. The original grid reference us
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

In January 2022, a rapid enlargement of the entrance and progression of 6 m in ramping (?) in a gallery widening a little (1 m ) and ending on the left on a digging of badgers in the filling.

Reference: Simonnot G, 2022
Entrance picture : October 2021 Underground pictures Detailed surve Line Survey: Survex file
X
5296: cave (3401 (French: SCD)) Arredondo 30 T 4497524792612 (Datum: ETRS89. Accuracy code: G) Altitude 495 m Area position

The information for this site has been shared by Gu Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate a starting point. The original grid reference us ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the MCP QGIS map.

In the embankment by the side of the road. Small crack as big as a fist. Sucking air in. See you again in the summer.

Reference: Simonnot G, 2022 Entrance picture Underground pictures Detailed surve Line Survey On area surve
X
5297: cave (3402 (French: SCD)) La A Azelela 30 T 4992144992570 (Datum: ERRS89. Accuracy code: G) Altitude 583m Length 2 m
Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference used
ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the MCP QGIS map.

Small cave of two metres. Behind a narrowing to widen, the conduit seems to continue. No obvious draught.

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Reference: Simor
Entrance picture
Underground pic

At Colorado, on the western flank of La Azuela, at the foot of a large escarpment. A 3 m cave hidden behind a bramble (entrance \(1.5 \times 0.7 \mathrm{~m}\) ). At the bottom, an impenetrable crack to look at again. Slight draught.

Reference: Simonnot G, 2022
Entrance picture :
Underground pictures
Detailed survey Line Survey: On area survey

5299: cave (3404 (French: SCD)) La Azuela 30T 4491664792673 (Datum: ETRS89. La Azuela 30 T 4491664792673 (1
Accuracy code: G) Altitude 567 m
```

Length 4m Depth 1m

```
Area position
The information for this site has been shared by Guy
The information for this site has been shar
Simonnot (Simonnot G, 2022) and roughly
Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate as
a starting point. The original grid reference use
ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map.
At west Colorado, on the flank of La
Azuela. Small cave that can be penetrated
over 4 m up to a bend to be enlarged (big
over 4 m up to a bend to be enlarged (big
job). A small continuation is visible to the
left and above. Slight current of air blowing
in February.
Reference: Simonnot G, 2022
Reference: Sicture : February 2022
Entrance pictur
Underground pictures :
Detailed survey
Line Survey :
On area sury
X
5300: Hiquero, Cueva del (3405
(French: SCD)
La Azuela 30T 449201 4792656 (Datum: ETRS89
Accuracy code: G) Altitude 567 m
Accuracy code: G) Altitude 567 m
Length 5m Depth 3 m
Area position
The information for this site has been shared by Guy
The information for this site has been share
Simonnot (Simonnot \(\mathrm{G}, 2022\) ) and roughly
Simonnot (Simonnot G, 2022) and roughly
translated from the French using Google Translate as
a starting point. The original grid reference used ED50 datum which has been converted to the ETRS89 datum above, with the altitude taken off the P QGIS map

West Colorado, in the flank of La Azuela. A narrow meander about 3 m high. A fig tree has established itself right in the entrance. Two meters from the entrance, at the top of the meander, 2 shots allowed a short extension. The gallery seems to continue but is impenetrable without further work. A discernible draught on February 8th but less obvious a week later.

Reference: Simonnot G, 2022
Entrance picture : February 2022
Underground pictures: Underground pictures Detailed survey Line Survey Survex file

\section*{on area surur
sururex fle?}

5302: Solores, Fuente de (3416 (French: SCD) Riva 30T 4536514792299 (Datum: ETRS89. Accuracy code: G) Altitude 155m Area position

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly
translated from the translated from the French using Google Translate a starting point. The altitude is taken off the MCP QGIS map.

Just above the houses of Solores, along
Just above the houses of Sol
the road going up to Llaneces.
Air temperature: \(11.9^{\circ} \mathrm{C}\) (strong draught) Air temperatu
March 28, 2022
Water temperature: \(12.9^{\circ} \mathrm{C}\) (April 10, 2022)

Reference: Simonnot G, 2022 Entrance pictures: April 2022 Underground pictures Line Survey : On area survey : Survex file \(\times\)
5303: resurgence (3417 (French: SCD)
Riva 30T 4543604792613 (Datum: ETRS89. Accuracy code: G) Altitude 127 m Accurath 60 m Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting po
QGIS map. [ An orange tag labels the site "LBT 191".]
May 19, 2022: After 3 visits, the level of the terminal siphon has finally dropped. Above the body of water (immersion in neoprene) 2 rising ducts need to be reviewed because 2 rising ducts need to be reviewed because
a blowing air current is still noticeable at the a blowing air current is
entrance to the siphon.
```

Reference: Simonnot G, 2022
Entrance pictures: June 2022
Underground pictures
Line Survey
On area survey
Survex file :
X
5304: resurgence (3418 (French SCD)

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Riva 30T 4543154792607 (Datum: ETRS89. Accuracy code: G) Altitude 128 m
Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a
a starting point. The altitude is taken off the MCP a starting po
QGIS map.

On the left bank and on the very edge of the río Asón, about fifty meters upstream from the Fuente LBT 191 (MCP5303 SCD3417). At the foot of the limestone ledge, a small temporary water outlet has deepened the ground on the bank of the deepened the ground on the bank of the
Asoon. A small current of air comes out of a Ason. A small current of air comes out
narrow duct cluttered with blocks. To narrow duct cluttered with blocks. To unclog.
Reference: Simonnot G, 2022 Entrance pictures: June 2022 Underground pictu Line Survey : On area surve Survex file :
X
5305: shaft ( 3441 (French: SCD) Arcuracy code: G) Altitude 651 m
Arcen Depth 20 m Area position
The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate as a starting point. The original grid reference use
ED50 datum which has been converted to the ED50 datum which has been converted to the
ETRS89 datum above, with the altitude taken off the
MCP QGIS map.

In the northern flank of a depression. Entrance \(3 \times 0.8 \mathrm{~m}\). The spacious shaft is estimated at about twenty metres. This is probably a torca spotted on August 24, 1988 at the same time as the Colorao caves.
\begin{tabular}{l} 
Reference: Simonnot G, 2022 \\
Entrance pictures : July 2022 \\
Underground pictures: \\
Detailed survey : \\
Line Survey : \\
On area survey : \\
Survex file : \\
X \\
5306: shaft (3442 (French: \\
\hline SCD)) \\
\hline MATIENZO UNDERGROUND - site descripions (printed 19002/2024) \\
\hline
\end{tabular}

The information for this site has been shared by Guy Simonnot (Simonnot G, 2022) and roughly translated from the French using Google Translate a starting point. The altitude is taken off the MCP
QGIS map.

In the Hoyo de Morterón hole. Located on private farm in the Cortizuelas area. W peak with the owner and he gives us access to the torca. A narrow crack goes down a 15 m pitch that gives access to a large room. There are two drops where you can see the water running, but in neither of them is there a continuation, although there is a strong draught at the mouth.
Reference: Simonnot
Entrance pictures:
Underground pictures
Underground pictu
Detailed surve
Line Survey
Survex file :
Survex file
X

5311: cave
Moncobe 30T 4451674796193 (Datum: ETRS89, Accuracy code: G) Altitude 460 m Length 22 m Area position

A low passage with lots of animal droppings and a second oxbow entrance 4 m to the left but no draught. Almost immediately the passage lowers to near flat out. At 16 m the way on is awkward and very low. The adjacent entrance was not inspected but appears to link to the main passage so present an overall length of 22 m . [Phil Parker]

Reference: anon., 2022e (Christmas logbook) Entrance pictures: October 2022 Underground pictures
Detailed surve
Line Survey
Survex file : Sur

5312: dig
Moncobe 30T 4457744795987 (Datum: ETRS89 Accuracy code: G) Altitude 452 m
Area position

A hole at the base of an outcrop generally choked but had a small inward draughting hole at the right-hand end. [Phil Parker]

Reference: anon., \(2022 e\) (Christmas logbook) Entrance pictures : October 2022 Underground pictures
Detailed surve Line Survey
On area sur On area sur
Survex file : X

\section*{5313: shaft}

Alisas 30T 4476064794365 (Datum: ETRS89 Accuracy code: G) Altitude 617 m
Area position

One entrance to a twin shaft - the other is 5414. Unexplored.

Reference: anon., 2022e (Christmas logbook) Entrance pictures
Underground pictures
Line Survey : On area sur Survex file : X

\section*{5314: shaft}

Alisas 30T 4475964794363 (Datum: ETRS89 Alisas 30 code: G) Altitude 621 m
Accuracy con
Area position

One entrance to a twin shaft - the other is 5413. Unexplored

Reference: anon., 2022e (Christmas logbook) Entrance pictures Underground pictures
Detailed sur
On area survey
Survex file
5315: diq
Las Calzadillas 30T 4475894796651 (Datum ETRS89. Accuracy code: G) Altitude 326 m ETRS89. Accu
Area position

A narrow draughting slot in the uphill road bank, one or two metres deep.

Reference: anon., 2022 e (Christmas logbook) Entrance pictures: October 2022 Underground pictures Line Survey : On area surve Survex file

5316: dig
Las Calzadillas 30T 4474084797012 (Datum ETRS89. Accuracy code: G) Altitude 298 m Depth 1 m Area position

A narrow draughting slot in the uphill road bank, enlarging about a metre down

\section*{5319: cave}

The resurgence for the Cueva de la Fuente de la Cuvía (site 0207).

Reference: anon., 2022e (Christmas logbook) Entrance pictures: See site 0207 Underground pictures:

5321: shaf
S Vega 30T 4513964795364 (Datum: ETRS89 S Vega 30T 4513964795364 (Datu
Accuracy code: G) Altitude 223 m Accuracy code: G) Altitud
Length 21 m Depth 11 m Area position

A scaffold pole backed-up to a tree was the top belay for the first descent

The drop passes through formations and water-worn calcite. There are skeletal remains of a dog at the base of the shaft and the skeletal remains of a goat (with ear tag ) in a small alcove chamber at the base There is very little horizontal passage but mud and calcite blockage was broke open reveal a short section of passagro that end in a clean-washed, head-and-shoulders sized aven with a small amount of water washing down the wall.
Reference: anon., 2023b (Easter logbook)
Entrance picture : April 2023
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Underground pictures : April 2023
Detailed survey:April 2023-plan section

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Detailed surv
Line Survey:
On area survey :
Survex file : April 202
Survex file : April 2023
X

\section*{5322: depression}

Seldesuto 30T 4490694794829 (Datum: ETRS89. Accuracy code: G) Altitude 266 m
Area position

\section*{rea position}

A depression - bramble-filled and with a large branch - that has not been fully investigated.

Reference: anon., 2023b (Easter logbook)
Entrance picture : April 2023 Entrance picture : April 2023
Underground pictures
Line Survey : On area sur Survex file : X
5323: shaft
El Naso 30T 4504034797510 (Datum: ETRS89. Accuracy code: G) Altitude 514 m Depth 4 m

\section*{Area position}

A small, 4 m deep, boulder-covered shaft with a blocking boulder about 2 m down. No draught.

Reference: anon., 2023b (Easter logbook) Entrance picture : April 2023 Underground pictures : Underground pict Line Survey : On area survey : Survex file X
5324: shaft
Seldeuto 30T 449457 4793330 (Datum: ETRS89. Accuracy code: G) Altitude 675 m

\section*{Depth 10 m}

A "significant" fenced-off shaft, more than 10 m deep.

\section*{Reference: anon., 2023b (Easter logbook)}

Reference: anon.,
Entrance picture
Underground pictures
Detailed surve
Line Survey On area surve Survex fi

5325: cave
Cubija 30T 4501254796963 (Datum: ETRS89 Cubija 30T 4501254796963 (Datu
Accuracy code: G) Altitude 307 m Area position

A cool dig just off the road and over the fence above site 0813. "It may be worthwhile having a short dig as, in a couple of places, stones drop / roll for 3 or 4 metres."

Digging took place on one August 2023
Digging took place on one August 2023
session when it was dug open to a 3 m rift session when it was dug open to a 3 m
climb down to a 1 m wide descending climb down to a 1 m wide descending passage ending at a calcite choke with animal bones. The site was made stockproof.
Reference: anon., 2023b (Easter logbook)
Entrance picture : April 2023 Entrance picture : April 2023 Underground pictures : Letaine Survey : On area survey : Survex file
X
5326: shaft
Cruz Llorada 30T 4516094798083 (Datum: ETRS89. Accuracy code: G) Altitude 373 m Area position

Pallets and tyres cover and block an undescended shaft in the middle of a field.

Reference: anon., 2023b (Easter logbook)
Entrance picture : Entrance picture : Underground pic
Detailed survey : Line Survey On area survey : Survex fil
X
5327: diq
Cruz Llorada 30T 4516404798098 (Datum: ETRS89. Accuracy code: G) Altitude 373 m Area position

A 0.6 m wide sandy dig
```

Reference: anon., 2023b (Easter logbook)

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Entrance picture :
Underground pictures
Detailed survey
Line Survey
On area survey :
Survex file :
X
5328: shaft
S328: Shaft
Hornedo \(30 T 4487464800578\) (Da
Accuracy code: G) Altitude 125 m
Length 10 m Depth 10 m
Area position

A fenced shaft in a field which drops 8 m ona ladder then another 2 m down to a choked floor with lots of farm rubbish.

Reference: anon., 2023b (Easter logbook) Entrance picture Underground pictures MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024
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\section*{Detailed su
Line Surve}

5329: shaft
SU29: Shaft 4793573 (Datum: ETRS89 La Rasa 30T 4491384793573 (Da
Accuracy code: G) Altitude 670 m Accuracy code: G) Altit
Length 5 m Depth 5 m Area position

A "very unobvious", 5m deep, choked shaft at the southeast (back) side of depression.

Reference: anon., 2023b (Easter logbook) Entrance picture
Underground pictures
Detailed survey

A 4 m deep, choked hole about 40 N of site 1878.

Reference: anon., 2023b (Easter logbook)

\section*{Length \(4 m\)
Area positic}

A small hole down a 1 m slope to a 2 m square chamber. No draught.

\section*{Reference: anon., 2023b (Easter logbook) ? Entrance pictures :} Underground pictures Detailed surve Line Survey Survex file : X
5336: Bus Stop Cave Beranga 30T 4516004806553 (Datum: ETRS89. Accuracy code: G) Altitude 70 m Length 80 m Area position
Updated 3rd, 30th September 2023
A cave in a cliff face near a bus stop. A crawl enters a low chamber which, initially, had a number of possibilities: a left hand branch which was excavated to 3 m of low draughting, calcited passage which would require a thin person to pass the next constriction; a pit in the floor chokes; a route in the roof closes down after a boulder was removed; the main way on on the right. This can be followed for 80 m of crawling on a mud floor to a mud choke. The cave runs under the railway and two FEVE trains were heard passing above during the exploration.

The cave was not first explored in 2023, as a mattock head was found towards the end of the main passage. The mud choke at end of the main passage. The mud choke at
the end was dug on a couple of occasions in the end was dug on a couple of occa
August 2023, but progress became August 2023, but progress became
increasingly more difficult as calcite was met increasingly more difficult as calcite was me
in the clay. Site 5337 is a few metres up to the east. Reference: anon., 2023b (Easter logbook); anon.,
2023c (summer logbook) 2023c (summer logbook)
Entrance pictures :
Underground pictures: April 2023 Underground pictures : Apr
Video : April 2023 (YouTube) Detailed survey : April 2023 pdf Line Survey On area survey :
Survex file : April 2023

5337: cave
Beranga 30T 4516144806560 (Datum: ETRS89 Beranga 30T 4516144806560 (
Accuracy code: A) Altitude 74 m Accuracy cod
Length 5 m Length \(5 m\)
Area position

Up a steep grassy bank and to the east of site 5336 at the bus stop. Digging provided a tight squeeze to a 1 m high, \(2 m\) wide passage for 2 m . This turned right for 3 m to a stal choke. The good outward draught could be circulating from \#5336.
```

Reference: anon., 2023b (Easter logbook)
Entrance pictures :
Underground pictures
Video:
Detailed surve
Line Survey
On area surve
Survex file :
X
5338:cave
Beranga 30T 451834 4806683 (Datum: ETRS89
Accuracy code: G) Altitude 75m
Length 9m
Area position

```

Updated 3rd September 2023
An extension ladder was used to gain entry to this hole 5 m up a road-side rock
wall. A 6 m excavated crawl ends at a ver wall. A 6 m excavated crawl ends at a very small hole down with no prospects. The wall in the east has a calcited stream deposit. A side passage at the entrance goes 3 m to a choke and is not worth digging - it could link choke and is not wor
to nearby site 5339 .

Reference: anon., 2023b (Easter logbook)
Entrance pictures : April 2023 (with 5339) Entrance pictures: Apri
Underground pictures :

\section*{Video :}

Detailed survey : April 2023 pdf
Line Survey:
Line Survey :
On area survey :
Survex file : April 2023
Survex file : April 2023
5339: cave
Beranga 30T 451837 4806685 (Datum: ETRS89.
Accuracy code: G) Altitude 70 m
Length 8m Depth 3 m
Area position
An ascent of \(3 m\) leads to an eyehole and a drop of 3 m into 8 m of passage which chokes

Reference: anon., 2023b (Easter logbook)
Entrance pictures : April 2023 (with 5338) Entrance pictures : Apr
Underground pictures

\section*{Video :}

Detailed survey
Line Survey
On area surve
Survex file :
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$$
\begin{array} { l } { \text { Reference: anon.,} } \\ { \text { Entrance picture} } \end{array}
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Underground pictures
Video
Detailed survey
Line Survey
On area survey
Survex file
x
5344: digs
Hornedo 30T 4484654800941 (Datum: ETRS89.
Hornedo
Accuracy code: G) Altitude 112 m
Length 10 m Depth 5 m
Area position

Three holes around a shakehole with a boulder choke below - they should probably have separate codes.

\section*{Video:
Detaile Detailed sur
Line Survey On area surve} Survex fild
X
5346: collapse
5346: COllapSe
Villanueva 30T 4472814803847 (Datum: ETRS89 Accuracy code: G) Altitude 81 m Length 3 m Depth 3 m Area position

On the boundary between the wood and field is a tyre-filled shakehole in the field and an earth-sided collapse in the wood totally choked.

Reference: anon., 2023b (Easter logbook)
Entrance picture : April 2023 Underground pictures :
Video:
Detailed survey
Line Survey
On area surve
Survex file :
X
5347: shaft
Garzón 30T 4492544803647 (Datum: ETRS89. Accuracy code: G) Altitude 224 m Length 3 m Depth 3 m Area position
A \(2 m\) deep choked shaft which would "require some major digging".
Reference: anon., 2023b (Easter logbook)
Entrance picture : Entrance picture Underground pictures Video : Detailed survey Line Survey: Survex file : X

\section*{5348: shaft} Garzón 30T 4492584803452 (Datum: ETRS89. Accuracy code: G) Altitude 184 m

\section*{Length 3 m D}

A 2 m wide and 2.5 m deep shaft with earth sides which is choked with farm rubbish. On sides which is choked with farm rubbi:
a bearing of \(210^{\circ}\) and 95 m distant, a a bearing of \(210^{\circ}\) and 95 m distant, a
shakehole is choked with chopped trees and shakehc
brash.
```

Reference: anon., 2023b (Easter logbook)
Reference: anon., 2
Entrance picture:
Undergr
Detailed survey :
Line Survey
On area survey
Survex file
X
5349: cave San Antonio 30T 4467984801255 (Datum: ETRS89. Accuracy code: G) Altitude 103m

``` Area position

A horizontal low slot on the sloping west side of a field. There is no draught but it appears to open up to flat out crawling and appears to open up to flat out crawling and
a metre or two in may head diagonally right

Reference: anon., 2023b (Easter logbook) Reference: anon.,
Entrance picture :
Underground pictures

\section*{Video:}
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Detailed

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Line Survey
On area surve
Survex file :
X

5350: dig
Hornedo 30T 4484484800661 (Datum: ETRS89 Accuracy code: M) Altitude 130 m
Length 9 m Depth 12 m
Area position
Originally found as narrow, draughting slot, the hole was opened up for a 5 m ladder pitch into passage. A length of 4 m to the back wall with a side passage becoming parallel to main rift, adding 5 m for overall length of 9 m . There is no way of descending between the spires/pillars but there is a good draught and stones rattle down an estimated 7 or more metres. Worth pursuing.

Reference: anon., 2023b (Easter logbook)
Reference: anon.,
Entrance picture :
Entrance picture :
Underground pictures

\section*{Video :}

Detailed surve
Line Survey: Line Survey On area surve
Surv
X
5351: cave
Hornedo 30T 4484424800632 (Datum: ETRS89 Accuracy code: M) Altitude 134 m
Length 1 m
This hole is located some 10 m NNW of site 3471 and is about 2 m wide but no more than a metre depth into the hillside However, in it's left hand side there is a small, strongly draughting hole.

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Reference: anon., 2023b (Easter logbook)
Entrance picture : Entrance picture :
Underground picture
On area sur
X
5353: cave

A cliff face that has three entrances/rifts ith small dams for water collection. (See 5357 and 5358). This site is probably enterable for several metres.
```

Reference: anon.,

```
Entrance picture: :
Underground pictur
Video:
Detailed surve
Line Survey
On area survey
Survex file :
X
5356: resurgence
Hornedo 30T 448289 4800659 (Datum: ETRS89
Accuracy code: G) Altitude 157 m

\section*{Accuracy code
Area position}

A cliff face that has three entrances/rifts with small dams for water collection. (See with small dams for water collection. (
5357 and 5358 ). This site is probably 5357 and 5358). This site is probably enterable for several metres.
Reference: anon., 2023b (Easter logbook)
Entrance picture : Entrance picture
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Undergr

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Video:
Detailed survey :
Detailed sur
Line Survey
On area survey
On area sury
x
5358: resurgence
Hornedo 30T 4483054800637 (Datum: ETRS89.
Hornedo 30 T 4483054800637 (Dat
Accuracy code: M) Altitude 160 m
Area position

A cliff face that has three entrances/rifts with small dams for water collection. (See 5356 and 5357). This site has not been closely examined.
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Reference: anon.,
Entrance picture:

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Underground pictures
Underground pict
Video:
Detailed survey :
Video:
Detailed sur
Line Survey
Oine Survey :
On area survey
Survex file
X
5359: cave
Hornedo 30T 448463 4800718 (Datum: ETRS89
Accuracy code: A) Altitude 122 m
Length 2 m

Three features have little more than a metre between each. This site is the middlle feature with \#5353 to the north and \#5360 to the south. (See video)

Site 5359 is a square blind recess.
```

Reference: anon., 2023b (Easter logbook)

```
Entrance picture :
Underground pictures :
Video : entrance positions, April 2023 (YouTube)
Video : entrance
Detailed survey
Detailed sury
On area survey:
Survex file :
X
5360: shaft
Hornedo 30T 4484634800717 (Datum: ETRS89.
Accuracy code: A) Altitude 122 m
Length 8 m Depth 5 m
Area position

Three features have little more than a metre between each. This site is the southern feature with \#5359 and \#5353 to the north. (See video)

Site 5360 started as a small draughting slot into a curving rift and finished, after the floor was dug, as a slide down in a narrow floor was dug, as a slide down in a narrow
rift to an awkward space with no echo or rift to an
draught.

Reference: anon., 2023b (Easter logbook)
Reference: anon.,
Entrance picture
Underground pictures
Video : entrance positions, April 2023 (YouTube) Detailed surve
Line Survey : Line Survey On area sury
Survex file :

\section*{Sur
X}

5361: Arch Cave 2
Hazas de Cesto (west) 30T 4526734805889 Hazas de Cesto (west) 30 T 4526734805889
(Datum: ETRS89. Accuracy code: G) Altitude 70 m Length 18 m Depth 8 m Area position

Easily approached through a limestone arch. The cave slopes down steeply to a chamber and possible dig in a small choke at the far side. A sloping bedding is a roof feature.

Reference: anon., 2023c (summer logbook) Entrance picture, July 2023 Underground pictures : July 2023 Video: July 2023 (YouTube) Detailed survey : July 2023
Line Surve : Line Survey On area survey :
Survex file : July 2023

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\section*{5362: shaf}

La Secada 30T 4530324798514 (Datum: ETRS89 Accuracy code: G) Altitude 270 m Length 11 m Depth 8 m Area positio

Updated 6th, 26th, 31st January 2024
An open shaft with the remains of a 3 pronged tree trunk a couple of metres down Below, there are 2 narrow rifts that appea to be about 4.5 and 3.5 m deep.
to be about 4.5 and 3.5 m deep. On New Year's Day 2024, one rift was
dropped for 4 m but the parallel shaft needs dropped for 4 m but the para
enlarging to reach the base Reference: anon., 2023c (summer logbook); anon., 2023e (Christmas lc
February logbook) February logbook)
Entrance pictures : July 2023 : January 2024 Entrance pictures: July 2023 : Janua
Underground pictures: January 2024 Video : July 2023 (YouTube) : January 2024 (YouTube
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Detailed surv

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Line Survey :
On area survey :
Survex file : January 2024

5363: Hollyoak shaft
La Secada 30T 4530964798562 (Datum: ETRS89 Accuracy code: G) Altitude 290 m
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Length 5m Depth 3m

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Area position

A vegetated hole with a hollyoak. The small rift at the base and the whole floor is choked 3 m down. However, viewing the \(360^{\circ}\) video appears to shows a bedding with solution groove on the wall. It may be worth a better inspection of the floor at that point.

Reference: anon., 2023c (summer logbook)
Entrance pictures: July 2023 Underground pictures

5364: shaf
La Secada 30T 4531164798577 (Datum: ETRS89
Accuracy code: G) Altitude 296 m
Length 2 m Depth 1 m
Area position

A short climb down into a choked hole.

Reference: anon., 2023c (summer logbook) Entrance pictures: July 2023
Unders
Video
Video
Detailed survey
Line Survey
On area sur
Survex file

5365: dig
La Secada 30T 4532724797801 (Datum: ETRS89 Accuracy code: G) Altitude 333 m
Area position
A small dig on the hill above the La Cuvia house. A 4 m deep rift with a small draught.

Reference: anon., 2023c (summer logbook)
rance pictures Underground pictur
Video :
Detailed survey
Line Survey
On area sur
Survex file
5366: dig
La Secada 30T 4529044798130 (Datum: ETRS8 La Secada 30T 4529044798130
Accuracy code: G) Altitude 183 m Accuracy code:
Area position

A small, slightly draughting dig in the wood at the north end of the mushroom field, 75 m almost due west of 0163 , Near the Bar Pot.

Reference: anon., 2023c (summer logbook)
Reference: anon., 2023c (summe
Entrance pictures: August 2023
Entrance pictures:Aug
Underground pictures
Video :
Detailed survey
Line Survey
On area surv
Survex
5367: cave
Hazas de Cesto (west) 30T 4528884805808 (Datum: ETR
Length 3 m Area position

Just outside the multi-entrance cave, 5382. A 2.5 m crawl to a choke which is a poor dig.

Reference: anon., 2023c (summer logbook)
Entrance pictures : August 2023
Underground pictures:
Video :
Detailed survey
Line Surve
On area surv
Survex file :
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\section*{5368: Vaca Bypass} Riaño 30T 4512794800925 (Datum: ETRS89 Accuracy code: G) Altitude 159m Depth 61 m

\section*{Area position}

A top entrance to Fridge Door Cave
(1800). The length of 408 m is now included in the 4 Valleys System and the cave is the 18th entrance into that system. The draughting hole was found in the top boundary of the field containing Boob Tube (5000), when the latter could not be seen due to a cow lying over the entrance.

\section*{[Description in hand]}

Reference: anon., 2023c (summer logbook)
Reference: anon., 2023c (summ
Entrance picture : August 2023
Entrance picture : August 2023 Video:
Detailed survey : On Fridge Door Cave, \#1800, August 2023
Line Survey
On area survey :
Survex file : August 2023 : stand-alone : on Fo Survex file : August 2023 : stand-alone : on Four Valleys System

X
5369: Tomb of the Oil King Trillos 30T 4481374794052 (Datum: ETRS89 Trillos 30 T 4481374494052 (Datu
Accuracy code: G) Altitude 544 m Accuracy code: G) Altitude
Length 365 m Depth 91 m Area position

Updated 6th November 2023
[Description and survey in hand after [Description and survey in hand after
summer and autumn explorations.] summer and autumn explorations.] 312 m Length after summer (days 1 to 5) 312 m
depth 78 m depth 78 m
Length after autumn (days 6, 7) 365m depth 91 m
Reference: anon., 2023 c (summer logbook)
Entrance pictures : August 2023 Entrance pictures : August 2023 Underground pictures: August 2023 Detailed survey : In hand Line Survey: On area survey Survex file : October 2023 woodland. A small chamber is met with a mixture of limestone and sandstone blocks making up the floor. To the left, the chamber drops slightly to a small sink. Two relatively active bats present: greater horseshoe and lesser horseshoe.

Reference: anon., 2023c (summer logbook)
Entrance pictures : August 2023 - in hand Entrance pictures: August 2023 - in ha
Underground pictures: August 2023 Undergr
Video:
Detailed survey : In hand Line Survey On area survey :
Survex file : August 2023

X
5371: cave
Trillos 30T 4480704794076 (Datum: ETRS89 Accuracy code: G) Altitude 552 m Length 20 m Depth 8 m Area position

An entrance with cow bones slopes off into a fluted rift running directly away from the entrance. The fluted wall is made of very soft rock making free climbing down very difficult, and bolting non-existent. Fluted pitches not yet descended, but a climb over the top to a small inlet comes in directly under the field from the opposite side of the entrance. [Jess Eades, Martyn Grayson]

Reference: anon., 2023c (summer logbook)
Entrance pictures : August 2023 Entrance pictures : August 2023 Underground pictur
Video : August 2023
Detailed survey : August 2023 - In hand Line Survey : On area survey :
Survex file : August 2023

\section*{X}

5372: cave
Trillos 30T 4480634794077 (Datum: ETRS89 Accuracy code: G) Altitude 557 m Length 35 m
Area position Walk-in sized entrance gently slopes down
and bends to the right where it stays wide, and bends to the right where it stays wide,
but height reduces to stooped walking then but height reduces to stooped walking then crawling. A 2nd entrance crawling / body
sized can be seen up the next gentle leaf MATIENZO UNDERGROUND - site descriptions (printed 1910022024 \(\begin{gathered}\text { Volume } 7-\text { page } 123\end{gathered}\)
litter slope letting light in (\#5373) creating a small through trip to an adjacent dolir
shakehole nearer the derelict barn. A void on the right-hand wall (woodland side) in the stoop / crawl was partially blocked by fallen rock. This was opened ur by excavating the sandstone bedding layer roof and the sandy floor, creating a body roof and the sandy floor, creating a body drops vertically down over mudstone, but drops vertically dow with the aid of a but can be free climbed with the aid of a rope. Approximately 4 m down the limestone is intersected. A step is encountered and window opens out onto the top of a column of rock with a rift passage trending perpendicular to the main passage above. After climbing down 2 m from the step, the base of the rift, a rock and boulder strewn slope trends downwards towards the end of the cave where the water sinks to the far left corner, creating a very tiny streamway continuing in the direction of the rift passage. Above is an aven with a hole approximately 30 cm diameter above where a small trickle of water dripps through the hole. Slightly back from the end of the cave, on the right hand wall (looking inwards) is a small inlet. The inlet is approximately 1 1.5 m above the floor level. There is no apparent ways on. The floor at the end ha apparent ways on. The floor at the end has fine gravels in it and water appears to flo an is small through boulders in the floo than disappear through boulders in the floor. [Jess Eades, Martyn Grayson]

Reference: anon., 2023c (summer logbook) Reference: anon., 2023c (summer log
Entrance pictures:
Underground pictures : August 2023 Video :
Detailed survey : August 2023 - In hand Detailed surv
Line Survey : On area survey :

\author{
Survex file: August 2023
}

5373: cave
Trillos 30T 4480544794073 (Datum: ETRS89.
Accuracy code: G) Altitude 558 m
Length: Included in 5372 Area positior

See site 5372
Reference: anon., 2023c (summer logbook) Entrance pictures : August 2023 Entrance pictures : Aug
Underground pictures :
Video:
Detailed survey
Line Survey:
On area survey :
Survex file : August 202

\section*{5374: cave}

An enlarged entrance allows a drop rough a tight slot to a 5 m blind pot, about 1-1.5m wide. No prospects.

Reference: anon., 2023c (summer logbook) Entrance pictures: August 2023 Video : August 2023 (YouTube)
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Detailed surv

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On area survey
Survex file : August 2023

\section*{5375: resurgence}
Eades \& Martyn Grayson]
Reference: anon., 2023c (summer logbook)
Entrance pictures
Underground pictures
Vider
Video
Detailed surv
Line Survey
On area sur
Survex file:
5376: cave
trending down over leaf litter. Entrance is approximately 1 m wide, by 1 m high and vaguely triangular in shape. [Jess Eades \& Martyn Grayson]

Reference: anon., 2023c (summer logbook) Entrance pictures : Underground pictures : Video:

\section*{Detailed sur}

Line Survey
Survex file :

X
5377: cave
\begin{tabular}{l} 
5377: Cave \\
\hline Trillos 30T 4480464793921 (Datum: ETRS89
\end{tabular} Accuracy code: G) Altitude 586 m Depth 4m
Area position
A small hole within the woodland floor. Would be body sized if not for a tree root
across the centre of the entrance hole. Vertical drop down through the soil leads to a clear water washed aven. Too tight to a clear water washed aven. Too tight to
descend, but drops at least 4 m . [Jess Eades \& Martyn Grayson]

Reference: anon., 2023c (summer logbook) Reference: anon., 2
Entrance pictures : Entrance pictures:
Underground pictures Video:
Detailed survey
Line Survey
On area survey
Survex file :

X
5378: diq
Trillos 30T 4481094794037 (Datum: ETRS89 Trillos 30 T 4481094794037 (Datu
Accuracy code: G) Altitude 556 m Accuracy cod
Area position

A small water worn passage in a sandstone bedding just inside the woodland sandstone bedding just inside the woodland down slope from the field boundary. The entrance is too small to access. No draus
Numerous badger latrines outside this Numerous badger latrines outside this entrance. Other entrances to the left along
the same contour line, all used by badger. the same contour line, all used by badger. Clear mammal trails connect
[Jess Eades \& Martyn Grayson]
Reference: anon., 2023c (summer logbook) Entrance pictures : Underground pictures Video:
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Detailed s

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Line Survey : On area surve Survex file :

X
5379: dig
La Secada 30T 4534524797692 (Datum: ETRS89. Accuracy code: G) Altitude 325 m Depth 1 m

\section*{Area position}

A 4ft deep hole with tyres in and a small draught. Should be dug and explored.
Reference: anon., 2023c (summer logbook) Entrance pictures :
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Underground pictur

```
Video :
Detailed survey
Line Survey:
On area survey :
Survex file :
X
5380: Road Cave
Ozana 30T 4536934794677 (Datum: ETRS89
\begin{tabular}{l} 
Accuracy code: G) Altitude 255 m \\
\hline
\end{tabular}
Accuracy C
Depth 1 m
Area position

A small pothole, 1 m deep and 0.5 m wide. Reference: anon., 2023c (summer logbook)
Entrance pictures: Entrance pictures :
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Underground pictur

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Video:
Detailed survey
Line Survey.
Line Survey:
Survex file :
x

5381: Ravine Cave
Hazas de Cesto (west) 30T 4528874805835 (Datum: ETRS89. Accuracy code: G) Altitude 54 m Length 5m
Area position
A small cave explored to a bend where it becomes too tight.

Reference: anon., 2023c (summer logbook)
Entrance pictures: Entrance pictures : Underground pictures
Video : Video :
Detailed survey : August 2023 Line Survey On area survey :
Survex file : August 2023

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5382: Four Entrance cave Hazas de Cesto (west) 30T 4528884805803 (Datum: ETRS89. Accuracy code: G) Altitude 54 m Length 17 m

A number of entrances lead into a small cave fragment.

Reference: anon., 2023c (summer logbook) Entrance pictures Underground picture : August 2023
Video:
Detailed survey : August 2023
Detailed sur
Line Survey
Line Survey :
On area surve
On area survey :
Survex file : August 2023
5383: dig
Trillos 30T 4480464794077 (Datum: ETRS89.
Accuracy code: G) Altitude 560m
Accuracy cod
Area position
A entrance that seems to have been
blocked on purpose. Large boulders neec removing to gain entry

Reference: anon.,
Entrance pictures
Underground picture
Video
Detailed survey
Dine Survey
On area survey
Survex file

5384: cave

\section*{(Datum: ETRS89}
 Length 9 m Depth 4 m Area positior

A small cave (which might just be 0971, not found at the supposed location) above the pylon on the hillside. A steep scramble the pylon on the hillside. A steep scramble
down a boulder slope to a restriction and a down a boulder slope to a restriction and a
1.5 m drop into a small chamber with a mud 1.5 m drop into a small chamber with a mud floor. There is a 6 m high aven or steep ramp on the right of the chamber which has not been climbed. [Pete Smith]

Reference: anon., 2023c (summer logbook) Entrance pictures : August 2023 Entrance pictures : August 2023
Underground pictures: August 2023 Video :
Detailed survey : August 2023

\section*{5385: cave}
as de Cesto (west) 30T 4529044805815 (Datum: ETRS89. Accuracy code: G) Altitude 51n Length 7m

A walk-in cave with a hole to daylight after 3 m then closing down at 7 m length
Reference: anon., 2023c (summer logbook) Entrance pictures
Video :
Detailed survey
Line Survey
On area surv
Survex file

5386: cave
Vilianueva 30T 4478994803700 (Datum: ETRS89 Accuracy code: G) Altitude 103 m
Length \(2 m\)
Area positio
A small cave that closes down after 2 m .
Reference: anon., 2023c (summer logbook) Entrance pictures Underground pictur
Video:
Detailed survey
On area survey
On area sur
Survex file

\section*{5387: Dana, Cueva de}

El Naso \(30 T 4514974796018\) (Datum: ETRS89 Accuracy code: G) Altitude 163 m Length 3 m

An excavated cave on the left side of the path about 20 m from the entrance to Cueva Molino (0059). A head-first downwards crawl reaches a tight gap with rocks that "would be easy to dig out". There is a very strong draught out on a warm day.

Reference: anon., 2023c (summer logbook)
Reference: anon., 2023c (summer
Entrance pictures: August 2023 Underground picture : August 2023 Video :
Detailed survey
Line Survey
MATIENZO UNDERGROUND site descripioions (printed 1902/2024) Volume 7 - page 126

\section*{on area sunur
suruex fie?}

\section*{Area position}

The shaft entrance to Cueva del Humo (0045). The grid reference above is from the line survey from the west entrance. The shaft top has been GPS'd at 449011 4795082.

Reference: anon., 2023c (summer logbook)
Entrance pictures: Entrance pictures : Underground pictur Video: Line Survey : On area survey: Survex file :
x
5389: cave
Mullir 30T 4562614795074 (Datum: ETRS89. Accuracy code: G) Altitude 531 m
Length 41 m Depth 20 m Length 41 m Depth 20 m
Area position
On the south side of a depression, hidden behind trees, a wide open entrance with a free climb down to a route sloping at \(45^{\circ}\) to where the bouldery floor meets the roof with old stal and bosses.
Reference: anon., 2023d (autumn logbook) Entrance pictures : Underground picture : Video: November 2023 (YouTube) Detailed surve Line Survey On area survey :
Survex file : November 2023
x
5390: shaft
Mullir 30T 4562294795100 (Datum: ETRS89. Accuracy code: G) Altitude 540 m Length 12 m Depth 12 m

\section*{Area position}

A small entrance in a \(2 m\) deep depression. A free-climbable pot which is 12 m deep and has a possible dig at the base. No draught.

Reference: anon., 2023d (autumn logbook)
Entrance pictures :
Underground picture
Video: November 2023 (YouTube)
Detailed surve
Line Survey
On area survey :
Survex file : November 2023
x
5391: shaft
Mullir 30T 4561014795182 (Datum: ETRS89.
Accuracy code: G) Altitude 555 m
Length 16 m Depth 16 m
Length 16 m
Area position
A very small entrance on the north side of a depression. A 16 m deep free hang to a flat, stone-filled floor.

Reference: anon., 2023d (autumn logbook) Entrance pictures Underground picture Video: November 2023 (YouTube) Detailed survey
Line Survey
On area survey :
Survex file : November 2023
x
5392: shaft
La Gatuna 30T 4502314799630 (Datum: ETRS89, La Gatuna 30T 4502314799630 (L
Accuracy code: G) Altitude 285 m Acngth 17 m Depth 7 m Area position

An awkward, laddered 5 m drop down a sloping rift reaches a short climb down then 8 m of passage to a low, body-sized chamber 8 m of passage to a low, body-siz
with a small hole but no draught.

Reference: anon., 2023d (autumn logbook)
Reference: anon., 20
Entrance pictures:
Underground pictur Entrance pictures:
Underground picture Video: Detailed surve
Line Survey : Line Survey : On area sury
Survex file :

X
5393: shaft
La Gatuna 30T 4501834799471 (Datum: ETRS89. Accuracy code: G) Altitude 280 m Depth 5m
Area positi

An excavated, 1 m diameter hole, partly in soil, has an undescended 5 m drop. There may be a slight inward draught.

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Video :
Detailed survey
Line Survey
On area survey
Survex file
5395: dig
Barrio de Arriba 30T 4451494799529 (Datum:
ETRS89. Accuracy code: G) Altitude 198 m
Depth 10 m
Area position
A 10 m undescended shaft covered by a
thick slab which is anchored by a young ash
thick slab which is anchored by a yo
tree. There appears to be an inward
draught
Reference: anon., 2023d (autumn logbook)
Entrance pictures
Entrance pictures:
Video :
Detailed survey
Line Surve
On area survey
Survex file
5396: cave
Cobadal 30T 4488344797801 (Datum: ETRS89
Accuracy code: G) Altitude 270 m
Length 4 m
Area position
Updated 26th January 2024
A crawl leads to an enlargement 1 m high
by \(1.5 \times 1 \mathrm{~m}\).
Reference: anon., 2023e (Christmas logbook)
anon., 2024a (January, February logbo
Entrance pictures : December 2023
Underground picture : December 20
Underg
Video \(: ~\)
Detailed survey
Line Survey :
On area sur
Survex file
5397: cave
Cobadal 30T 4488374797820 (Datum: ETRS89
Accuracy code: G) Altitude 265 m
Area position

Updated 26th January 2024
A possible cave entrance is currently blocked with tyres.

Reference: anon., 2023e (Christmas logbook); anon., 2024 a (January, February logbook)
Entrance picture : Entrance picture : December 2023 Underground picture
Video:
Detailed survey
ne Survey
On area survey
Survex file

\section*{5398: cave}

La Colina 30T 4533184797015 (Datum: ETRS89. Accuracy code: G) Altitude 405 m Length 3 m Depth 1 m
Area position
Updated 26th, 31st January 2024
A small grassy entrance in the lowe meadow. A wriggle in goes to a slopin enlargement for 2 m with empty animal feed bags and then a 1 m drop to a choked floor.

Reference: anon., 2023e (Christmas logbook);
Reference: anon., 2023 e (Christmas
anon., \(2024 a\) (January, February logbo
Entrance pictures : December 2023
Underground pictures : December 2023 Video : December 2023 (YouTube) Detailed sur1
Line Survey Line Surve
On area su Survex file

An unexplored hole 'in a long shakehole', ne of the sites originally noted close to \#0898

Reference: anon., 2024a (January, February 2024 Entrance pictures: Jar Underg Video :
Detailed survey Line Survey On area surve
Survex file :
x
5400: cave
La Colina 30T 4537754796876 (Datum: ETRS89 Accuracy code: G) Altitude 563m Area position

An unexplored hole 'in a long shakehole' one of the sites originally noted close to \#0898.

Reference: anon., 2024a (January, February Entrance pictures : January 2024 Underground pictures Video: Detailed survey Line Survey On area survey Survex file :```

