1601: depression
El Naso 30T 4516314796401 (Datum: ETRS89. Accuracy code: G) Altitude 457m Length 3 m Area position

A small hole at the base of a 3 m deep steep-sided depression, has a short, blind drop.

Reference: anon., 2000f (autumn logbook); anon. 2001a (Easter logbook); anon., 2005b (Easter \& summer) Entrance picture: yes
Underground picture(s) Underground pic:
Detailed survey:
Line survey:
On area survey
Survex file:
X
1602: dig
El Naso 30T 4508694796810 (Datum: ETRS89, Accuracy code: G) Altitude 481 m

## Area position

Updated 7th May 2022; 11th September 2022
"A bouldery collapse that needs checking out in hot weather. There may be spaces below."

In April 2022, the capped entrance was dropped about 4 m on a ladder to a boulder floored chamber. There seems to be a good inward draught so is well worth a dig in hot weather when draught can be checked better. A check in hot weather ( $24 / 7 / 2022$ ) detected no draught althought the rocks detected no draught althought the rocks

Reference: anon., 2000f (autumn logbook); anon. 2022b (Easter logbook); anon., 2022c (summe
 Underground picture(s):

```
Detailed survey
```

Line survey:
On area surve
Survex file:

1603: cave
EI Naso 30T 4506134796895 (Datum: ETRS89 El Naso 30 T 4506134796895 (Da Accuracy code: G) Altitu
Length 10 m Depth 6 m Area position

The cave entrance is at the bottom of small shakehole in a grassy field. The small shakehole in a grassy field. The entrance has a number of old beer bottles and down to the right is a smaller section onto the top of a small 5 m pitch. The drop becomes smaller at the bottom and appears to choke.

## Reference: anon., 2000d (Xmas logbook)

 Entrance picture: yes Underground picture(s): Detailed surve Line survey: Survex file:x
1604: shaft
El Naso 30T 4506214796823 (Datum: ETRS89. Accuracy code: G) Altitude 455 m Depth 4m
Area position
Updated 8th May 2018
The site is just out of the green field containing cave 1603. A brambly hole that appears about 4 m deep and needs better investigation. Burnt off vegetation allowed a better look in April 2018, but it appears choked. Site 4733 is a similar hole a few metres to the south.

```
Reference: anon., 2000d (Xmas logbook); anon.,
```

Reference: anon., 2000
2018b (Easter logbook)
Entrance picture: 2000 and 2018
Underground picture(s):
Detailed surve
Line survey:
On area survey
Survex file:
X
1605: cave/dig
S Vega 30T 453009 4794133 (Datum: ETRS89
S Vega 30T 4530094794133 (Datu
Accuracy code: G) Altitude 460 m

## Accuracy cod Length 6 m

Area position
MATIENZO UNDERGROUND - site descriptions (printed 19002/2024

## Updated 23rd April $2001 ;$ 7th May 2007 the first small cliff line below the ridge

 running west from Cruz Uzano. At the ba running west from Cruz Uzano. At the back there was a small column blocking the way into a small passage. This has beenReference: anon., 2000d (Xmas logbook); anon.
2001a (Easter logbook); anon., 2007b (Easter logbook)
Entrance picture: yes

1606: cave
S Vega 30T 4530284794136 (Datum: ETRS89 S Vega 30T 4530284794136 (Da
Accuracy code: G) Altitude 460 m
Length 5m
Length 5 m
Area position
A cave entrance completely blocked with rocks. When removed, the cave is a low crawl over rocks to an earth floor choke

Reference: anon., 2000d (Xmas logbook Entrance picture: yes Underground picture(s) Detailed survey
Line survey: On area surve Survex file:

X

## 1607: cave

Ozana 30T 4539014794191 (Datum: ETRS89 Accuracy code: G) Altitude 348 m
Length 10n
Updated 23rd April 200
A cave in the middle of thick, prickly jungle that is easier to approach from above. The cave lies below a small cliff on the Matienzo side of the westerly ridge from Cruz Uzano The $1 \times 1 \mathrm{~m}$ entrance is leads to a 1 m high 2 m wide passage that ends after 10 m at a sediment and calcite choke

Reference: anon., 2000d (Xmas logbook) Reference: anon., 200
Entrance picture: yes
Underground picture(s)
Detailed survey Line survey On area surv
Survex file:

1608: shaf
El Naso 30T 4509664796650 (Datum: ETRS89 Accuracy code: G) Altitude 496 m Length 8 m Depth 6 m Area position

Updated 11th September 2022
A small hole on the El Naso ridge. A 4 m climb down ends at a dig where it is possible to see 3 m into a larger chamber

At April 2022, this site would have been impossible to find except for excellent GPS Rock covering hole and a boulder were almost completly covered over by vegetation. It took some time to dig out th entrance and remove large capping rock. Site was found to be 4 m deep in old cave partly filled with blocks, to reach a boulder blocking way on down a 3 m drop to a boulder floored chamber. Needs capping and checking out for draught in hot weather. Horizontal small rift at 4 m level chokes out. (Phil Papard)

In the summer, rock was removed from the entrance, descended, continued into a choked area strewn with boulders at a depth of 6 metres. Site would need significant digging and did not look promising and had no noticeable draught. Contrary to previous reports, no chamber exists, only a small area strewn with boulders, approx 2 m by 1m. (Andrew Northall)

Reference: anon., 2001a (Easter logbook); anon 2022b (Easter logbook); anon., 2022c (summer 2022b (Easter logbook); anon., 2022c (sum
logbook)
Entrance picture: 2001 and 2022 : 2022
Underground picture(s)
Detailed survey: 2022
Line survey
On area survey:
Survex file: 2022

1609: shaft
El Naso 30T 4516014796384 (Datum: ETRS89 El Naso 30T 4516014796384 (Dat
Accuracy code: G) Altitude 472 m
Accurach 13 m Depth 13 m
Area position
Updated 11th October 2005
A 13 m deep shaft with loose, sharp boulders
at the base that could be dug. Slight draught.

Reference: anon., 2001a (Easter logbook); anon., Reference: anon., 2001a
2005 b (Easter \& summer)
Entrance picture: yes Entrance picture: yes
Underground picture(s): yes Detailed survey: Line survey: On area survey: Survex file:

1610: cave
La Secada 30T 4518704797942 (Datum: ETRS89. La Secada 30 T 4518704797942 (
Accuracy code: G) Altitude 290 m Length 20 m Depth 7 m Area position

The rift entrance has a sandy limestone roof and continues over choked holes in the floor and continues over choked holes in the floo to a choke. A passage to the right leads to a 7 m choked pitch with a climb up to an other choked section.

Reference: anon., 2001a (Easter logbook); Corrin uan, 2003a
Entrance picture:
Underground picture(s):
Underground pict
Line survey:
On area survey
Survex file:

## x

1611: cave
La Secada 30T 451843 4797931 (Datum: ETRS89. Accuracy code: G) Altitude 286 m Area position

A draughting opening with a very tight meandering rift that chokes. Part of site 348.

Reference: anon., 2001a (Easter logbook); Corrin Reference:
Juan, 2003a
Entrance picture
Underground picture(s):
Detailed surve
One survey:
Survex file:

X
1612: cave
La Secada 30T 4519674797957 (Datum: ETRS89. Accuracy code: G) Altitude 280 m
Area position

A short drop into a rift passage parallel to the hillside. A narrow section leads to a pitch which can be descended by entering site 348.

Reference: anon., 2001a (Easter logbook); Corrin Reference:
Juan, 2003a Entrance picture Underground picture(s): Detailed surve Line survey: On area surve Survex file

X
1613: shaft
La Secada 30T 4519844797964 (Datum: ETRS89. Accuracy code: G) Altitude 276 m Length 7 m Depth 7 m Area position

The entrance is 10 m downhill of site 348 and is a 7 m blind shaft.

```
Reference: a
Reference
Juan, 2003a
Underground picture(s):
Detailed survey:
Line survey:
On area survey:
Survex file:
1614: cave Fuente las Varas 30 T 4528214799015 (Datum: Fuente las Varas 30T 4528214799015 (Datu
ETRS89. Accuracy code: G) Altitude 407 m Length 1 m Area position
```

Updated 18th February 2012
A very small, immature resurgence with tiny cave passage on the hillside directly below Cave passage on the hillside directly below Cueva de Fuente las Varas (site 104). The visually dye tested to this resurgence The resurging water flows on the surface The resurging water flows on the surface and sinks into the open pot of site 1615 . The cave appears on the Cueva Hoyuca and the
Four Valleys System Hydrology diagram.

Reference: anon., 2001a (Easter logbook); Corrin Reference:
Juan, 2003 a
Entrance picture: yes
Underground picture(s):
Detailed surve
On area survey
Survex file:
Hydrology (Terry Whitaker): Hoyuca and the 4
Valleys System Valleys System
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## 1615: cave

Fuente las Varas 30T 4527894799006 (Datum:
ETRS89. Accuracy code: G) Altitude 39 m ETRS89. Accuracy code: G) Altitude 390 m Length 10 m Depth 8 m
Area position Area position

Updated 21st October 2001; 18th February 2012
The water resurging from site 1614 flows on the surface and partly sinks into this site. A step underground leads to the head of a 6 m , very wet pitch with a possible passage at the base. This was investigated in dry weather during the summer of 2001 and found to be choked in a narrow rift 8 m down.

The cave appears on the Cueva Hoyuca and the Four Valleys System Hydrology diagram.

A 1.5 m high hole enters a small stream passage with roots which currently "ends" at a small chamber with cairn. Up to the left a crawl and short dig leads to a choke of calcited boulders which should dig. Straight ahead in the chamber, it is possible to lie flat out in water with a possible route up to the left that may link beyond the first dig. At Easter 2016, the digs were inspected and "could be worth the effort".

Reference: anon., 2001a (Easter logbook); anon. 2001c (Summer logbook); anon., 2002b (summer 2002 logbook); Corrin Juan, 2003a; Cor
2003b; anon., 2016b (Easter logbook) Entrance picture: yes
Underground picture(s): surveying roots
Detailed survey: $1: 500$ Detailed survey: 1:500

## Line survey:

On area surve
Survex file:
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014. ) Valleys System Valleys System

## 1618: dig

Riaño 30T 4527284799381 (Datum: ETRS89.
Accuracy code: M) Altitude 290 m Length 36 m Depth 5 m
Area positior
Updated 21st October 2001; 18th February, 26th September 2012; 30th April 2016

The water flows down into this depression below an abandoned barn from at least two resurgences, site 1617 and site 1666. A good stream sink against a 5 m high Hoyuca beyond Cross-Over Crawl.
The entrance was dug out in the summer of 2001 to enter a flat out crawl that soon enlarges to a 4 m high junction in a rif MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) MATIENZO UNDEF
passage. Straight ahead, down a couple of small climbs, leads to a tight, possible dig the floor. In the opposite direction the passage chokes in the floor
In 2012, it was described as having "no obvious prospects" but, in March 2016, "a concerted digging effort would be needed, but it may be worth it"

The cave appears on the Cueva Hoyuca and the Four Valleys System Hydrology diagram.

Reference: anon., 2001a (Easter logbook); anon., Reference: anon., 2001a (Easter logbook); anor
2001c (Summer logbook); Corrin Juan, 2003a; anon., 2012d (summer logbook); anon., 2016b
(Easter logbook) (Easter logbook)

## Entrance picture: yes Underground picture(s)

 Underground picture(s): rift heading south west summer 2012 Detailed survey: 1:500 Line survey: On area survey Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.) Hydrology (TerValleys System
x
1619: cave
La Secada 30T 4520714797758 (Datum: ETRS89. Accuracy code: G) Altitude 172 m Length 20 m Depth 10 m Area position

Updated 23rd May 2014
An excavated small cave that drops 10 m down to where water can be seen.

```
Reference: anon., 2001a (Easter logbook); anon.,
Reference: anon., 200 
Entrance picture: yes
Underground picture(s):
Detailed survey:
Line survey:
On area survey:
December 2013 to align with Eur79 grid and
x
1620: dig
Fresnedo 30T 453128 4800981 (Datum: ETRS89.
Fresnedo 30T 453128 4800981 (D 
```

A dig in the stream bed south of Fresnedo 2 entrance. No account in the Easter 2001 log book. More detail needed.

Reference: Reference: Underground picture(s): Detailed surve Line survey: On area surve Survex file

## 1621: shaft

La Secada 30T 4526784798081 (Datum: ETRS89. Accuracy code: M) Altitude 202 m Length 11 m Depth 11 m Area position

Updated 21st October 2001
The entrance is 5 m to the northeast of site 352. A small 1 m long $\times 0.4 \mathrm{~m}$ wide slot. Chokes 11 m down with an elliptical section. Chokes 11 m down with an
No draught on a cool day.

Reference: anon., 2001a (Easter logbook)
Entrance picture: Entrance picture Underground picture(s): Detailed surve
Line survey: On area survey: Survex file:
X
1622: shaft
La Secada 30T 452678 4798071 (Datum: ETRS89.
Accuracy code: M) Altitude 197 m
Length 7 m Depth 7 m
Area position

Updated 21st October 2001
The entrance is 10 m to the north of site 352. A shaft covered by a boulder in the path through clints. Choked at the base. No draught on a cool day.

Reference: anon., 2001a (Easter logbook)
Reference: anon.,
Entrance picture:
Underground picture(s):
Detailed survey:
Detailed survey:
Line survey:
On area surve
Survex file:
X
1623: cave
La Secada 30T 4534564798337 (Datum: ETRS89. Accuracy code: G) Altitude 341m
Area position Area position

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Updated 6th May 2002; 26th April 2012; 6th January 2024

There has been confusion with this site and \#4534, although they are hundreds of metres apart. Site 1623 had the description of 4534 but photos and a different description from a visit in 2012 . Site 1623, at Easter 2012, was described as a "crawl in 1.5 m wide passage with cool air
a a "crawl in 1 .
coming out". The pre-GPS grid reference and notes read "VN53259853 (On the sketch survey GR is VN5325098625 - without GPS) Altitude 238m"

A survey sketch, originally named as 1623.jpg has now been correctly allocated to \#4534. Reference: anon., 2001a (Easter logbook); pers
comm; Corrin Juan, 2003a; anon., 2012b (Easter comm; Corrin Juan, 2003a; anon., 2012b (Eas
logbook); anon., 2023e (Christmas logbook) Entrance picture: yes
Underground picture(s):
Detailed survey
Line survey:
On area sur:
Survex file:

1624: shaft
S Vega 30T 4513074794214 (Datum: ETRS89.
Accuracy code: G) Altitude 572m
Length 26 m Depth 21 m
Area position
Updated 13th October 2011
The entrance lies on the "middle of the slope, facing east". A 4 m diameter, 15 m deep shaft to a choke, with little of no draught. This was re-explored and surveyed in 2011 when it was described as "an obvious hole with a tree growing out of it"

An 18 m pitch looked promising from above but the ongoing passage degenerates to a too-tight slot 2 m lower. Quite pretty with large stal boss. No draught

Reference: anon., 2001a (Easter logbook); Corrin Reference: anon., 2001a (Easter logbook); Co
Juan, 2003a; anon., 2011d (summer logbook) Entrance picture: yes Underground picture(s): Detailed surv
Line survey:
On area survey (Amended magnetic declinatio
Survex file: yes December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.)
colt

## 1625: shaft

S Vega 30T 4513074794263 (Datum: ETRS89
Accuracy code: G) Altitude 568 m
Length 20 m I
Updated 21st October 2001
The fenced shaft entrance lies on a northfacing slope. A 2 m diameter shaft is 12.5 m deep landing in a 4 m long rift with a small grotto and narrow, cappable rift.

Reference: anon., 2001a (Easter logbook); anon. 2001c (Summer logbook); Corrin Juan, 2003 Entrance picture:
Underground picture(s):
Detailed surv
On area sur
Survex file:

A 3 m deep hole descends to a non-
draughting and not promising dig - but i lies below the rift line in the cliffs.

Reference: anon., 2001a (Easter logbook
Reference: anon
Entrance picture
Underground picture(s)

1627: diq
 On area surv
Survex file: x
1628: dig
S Vega 30T 4513954794053 (Datum: ETRS89 Accuracy code: G) Altitude 575 m Length 2 m Depth 2 m Area position

A $2 m$ deep rift line with digs at the base.
Reference: anon., 2001a (Easter logbook) Entrance picture:
Underground picture(s): Underground pict
Detailed survey: Line survey: On area survey Survex file:
x
1629: shaft
S Vega 30T 4511124794201 (Datum: ETRS89
Accuracy code: G) Altitude 615 m Length 12 m Depth 12 m Area position

Updated 11th October 2005
An excavated hole ( $2 \times 4 \mathrm{~m}$ ), now covered, that drops 12 m to a tight rift to the west that could be pushed. Draught needs checking in hot weather.

Reference: anon., 2001a (Easter logbook); Corrin
Juan, 2003a; anon., 2005b (Easter \& summer) Entrance picture: $y$ Underground picture(s): Line survey: n area survey Survex file: 2013; 8th May 2018

A draughting entrance has been dug to a wide crawl into a small hole down into wide crawl into a small hole down into walking passage and another dig. The cave hard calcite covering which has been excavated for some 14 m . into a wider area. excavated for some 14 m . into a wider area. bar and hammer is required
The hole couldn't be found at Easter 2013 but was at Easter 2018 and re-explored.

Reference: anon., 2001a (Easter logbook); anon, Reference: anon., 2001a (Easter logbook); ano
2001b (Whit logbook); anon., 2001c (Summer logbook); anon., 2002a (Easter logbook); Corrin
Juan, 2003a; Corrin Juan, 2003b; anon. 2006 b Juan, 2003a; Corrin Juan, 2003b; anon., 2006b (Easter logbook); anon., 2013b (Easter logbook);
anon., 2018b (Easter logbook) anon., 2018b (Easter logbook)
Entrance pictures: yes, from 2001 and 2006 Underground picture(s): dig : April 2018
Detailed survey: $1: 500$ Detailed survey: $1: 500$ Line survey: On area survey
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and
 X
1631: dig
S Vega 30T 4511704794183 (Datum: ETRS89
Accuracy code: G) Altitude 613 m
Length 3 m Depth 3 m
Area position
Updated 11th October 2005
A 3 m deep hole to a dig. There is a rift line in the cliff above

Reference: anon., 2001a (Easter logbook); anon., Reference: anon., 2001a
2005b (Easter \& summer) Entrance picture: yes Underground picture(s):

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

Line survey:

$$
\begin{aligned}
& \text { On area survey } \\
& \text { Survex file. }
\end{aligned}
$$

Survex file:
x
1632: cave
S Vega 30T 451470 4794071 (Datum: ETRS89 S Vega 30 T 4514704794071 (Dat
Accuracy code: G) Altitude 577 m Length 6 m
Area position
Updated 11th October 2005
A tight, 6 m rift down at 60 degrees. A further rift that leads back to a small further rift that leads back to a small chamber needs a small person and the
draught needs checking in warmer weather Reference: anon., 2001a (Easter logbook); Corrin uan, 2003a; anon., 2005b (Easter \& summer)

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Entrance picture: yes
Underground picture(s)

1633: shaft
El Naso 30T 4504554797524 (Datum: ETRS89 Accuracy code: G) Altitude 513 m Length 4 m Depth 4 m Area position

Updated 14th September 2021
A 4 m choked shaft. It was found full of brambles in July 2021.

Reference: anon., 2001a (Easter logbook); Corrin
Reference: anon., 2001a (Easter logbook); Co Juan, 2003a; anon., 2021c (summer logbool
Entrance picture: Easter 2001 - July 2021 Underground picture(s): entrance, 2001 Detailed survey:
Line survey:
On area survey

1634: shaft
1634: Shatt El Naso 30T 4504764797576 (D
Accuracy code: G) Altitude 503 m Accuracy code: G) Altit
Length 3 m Depth 3 m Area position

A 3 m choked shaft with a small draught
Reference: anon., 2001a (Easter logbook); Corrin

1635: shaft
El Naso 30T 4505114797588 (Datum: ETRS89 El Naso 30T 4505114797588 (Da
Accuracy code: G) Altitude 497 m Accuracy code: G) Altit
Length 5 m Depth 5 m Length 5m D
Area position

An excavated top leads to a 5 m shaft past a flake where the too tight rift continues.

Reference: anon., 2001a (Easter logbook); Corrin Juan, 2003a
Entrance picture: yes
 Detailed survey

1636: shaf
La Secada 30T 452681 4798479 (Datum: ETRS8 Accuracy code: G) Altitude 340 m

## Depth 5 m

## Area positio

Updated 1st May 2005
An undescended shaft about 5 m deep. The original grid reference is VN52799868 Altitude 348m; ETRS89: 30T 452688 4798471. At Easter 2005, the site was repositioned and it was thought that the shaft had probably collapsed. Reference: anon., 2001a (Easter logbook); Corrin
Juan, 2003a; anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s) Detailed survey Line survey
On area sur Survex file:

X
1637: dig
La Secada 3014526784798461 (Datum: ETRS89 Accuracy code: M) Altitude 332 m

## Area position

A dig.
Reference: anon., 2001a (Easter logbook); Corrin Reference:
Juan, $2003 a$ Entrance picture
Underground picture(s)
Detailed survey Line survey: On area sur
Survex file:

1638: shaf
La Secada 30T 4526624798474 (Datum: ETRS89. Accuracy code: G) Altitude 344 m
Accuracy Co
Depth 5 m
Area position
Updated 1st May 2005
An undescended shaft of about 5m depth.
Reference: anon., 2001a (Easter logbook); Corri Reference: anon., 2001 a (Easter logbook); Co
Juan, 2003a; anon., 2005b (Easter \& summer) Entrance picture: yes
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Underground picture(s):
Detailed survey:

## 1639: shaft

La Secada 30T 452623 4798436 (Datum: ETRS89. Accuracy code: G) Altitude 340 m Depth 3m Area position

Updated 1st May 2005
An unexplored 3 m drop into a possible passage. The "window" at the top needs opening up. Reference: anon., 2001a (Easter logbook); Corrin
Juan, 2003a; anon., 2005b (Easter \& summer) Entrance picture: ye Underground picture(s) Detailed survey Line survey: Survex file:

X
1640: cave
Ozana 30T 4536874794264 (Datum: ETRS89 Accuracy code: G) Altitude 350 m Length 20 m Depth 3 m Area position

A 3 m deep shakehole contains the
xcavated entrance on the downhill side. A crawl enters a large remnant filled almost to he roof. There are possible digs in the floor but the draught at the entrance disappears. See also site 1643 which is 50 m away down the hill.

Reference: anon., 2001a (Easter logbook); Corrin Juan, 2003a
Entrance picture: yes
Underground picture(s): near entrance Detailed surve Line survey: On area surve
Survex file:

X
1641: shaft
Vega 30T 4527444794323 (Datum: ETRS89 Accuracy code: G) Altitude 459 m Length 7m Depth 7 m Area position

Updated 21st October 2001
The roomy top of a shaft in the lower part o a large depression enters a 3 m free climb followed by an 4 m pitch to a choke

Reference: anon., 2001a (Easter logbook); pers mm; Corrin Juan, 2003a Entrance picture: yes Detailed survey. Line survey: On area survey Survex file:

X
1642: shaft Ozana 30T 4533584794027 (Datum: ETRS89 Ozana 30T 4533584794027 (Datu
Accuracy code: G) Altitude 442 m Length 8 m Depth 8 m Area position

Updated 13th June 2004; 7th May 2009
A small shaft top. Undescended 8 m pitch. At Whit 2004, various shafts were descended in the the probable vacinity of descended in the the probable vacinity this hole but the GPS readings appear 2009, it was reported that a spit had been found. Reference: anon., 2001a (Easter logbook); anon.,
2004c (Whit logbook); anon., 2009a (Easter logbook)
Entrance picture: yes
Underground picture(s)
Detailed surve
Line survey:
On area survey:
Survex file:
x
1643: cave
Ozana 30T 4536884794281 (Datum: ETRS89 Accuracy code: M) Altitude 344 m Area position

Probably associated with site 1640. A number of holes that have been blocked with rocks. Unexplored

Reference: anon., 2001a (Easter logbook) Entrance picture: Underground picture(s):
Detailed surve
Line survey:
On area surv
Survex file:

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## 1646: shaft

## 1647: dig

## 1648: shaf

La Secada 30 T 4525254798341 (Datum: ETRS89 Accuracy code: G) Altitude 342 m
Depth 5 m
Updated 1st May 2005

An unexplored shaft of about 5 m depth. It is covered with blocks

Reference: anon., 2001a (Easter logbook); Corrin
Juan, 2003a; anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s): looking down shaft Detailed surv
Line survey: On area surv Survex file:

## Line survey

 On area survSurvex file:
x
1650: cave
La Secada 30T 4526584798351 (Datum: ETRS89. Accuracy code: M) Altitude 292 m Area position

A small, unexplored opening near site 353.
Reference: anon., 2001a (Easter logbook); Corrin Reference:
Juan, 2003a Entrance picture:
Underground picture(s):
Detailed surve
On area survey
Survex file:

X
1651: shaft
S Vega 30T 450728 4794181 (Datum: ETRS89.
Accuracy code: M) Altitude 615 m Accuracy code: M) Altitude 615 m
Length 20 m Depth 11 m Area position

Updated 21st October 2001
The shaft drops 11 m to a boulder floor. A rift off can be followed down through a low arch to boulders and a good outward draught.
In the summer 2001, the site was reexplored - the entrance pitch is 8.3 m deep with dead goats and old stal. The site is out of the woods so the GPS grid ref VN5080(5)9437(1); ETRS89: 30T 450703 4794162 is wrong. Reference: anon., 2001a (Easter logbook); anon.,
2001c (Summer logbook); Corrin Juan, 2003a Entrance picture:
Underground picture(s):
Detailed surve
Line survey: On area survey:
Survex file:
Survex file:
x
1652: shaft
S Vega 30T 4509094794300 (Datum: ETRS89. S Vega 30T 4509094794300 (Datu
Accuracy code: G) Altitude 622 m Accuracy codes 5 m Depth 2 m Area position

Updated 24th April 2013
A $2 m$ deep pit with a rift off at the left back.
Reference: anon., 2001a (Easter logbook); Corrin Juan, 2003a; anon., 2013b (Easter logbook) Entrance picture: yes
Underground picture(s) Underground pic
Detailed survey:
Line survey: Line survey: On area surve
Survex file:
x
1653: cave
Mullir 30T 455118 4795621 (Datum: ETRS89. Accuracy code: M) Altitude 757 m Length 6m Depth 2 m Area position
A 1 m drop into a tight hading rift that descends for about 5 m to where it becomes too tight. Rift descends on a bearing of $83^{\circ}$.

Reference: anon., 2001a (Easter logbook)
Entrance picture: Entrance picture:
Underground picture(s):
Detailed survey:
Detailed surve
On area surve
Survex file:
X
1654: shaft
Mullir 30T 455118 4795631 (Datum: ETRS89.
Accuracy code: M) Altitude 756 m Accuracy code: M) Altitude 756 m
Area position Area position

A pitch into a rift. Exploration was abandoned because of a scrub fire

Reference: anon., 2001a (Easter logbook)
Reference: anon.,
Entrance picture:
Underground picture(s):
Detailed surve
Line survey:
On area survey:
Survex file
X
1655: diq (Pants)
La Secada 30T 4512384797578 (Datum: ETRS89, Accuracy code: G) Altitude 245 m Length c15m Depth 4 m
Area position
Updated 21st October 2001; 30th April, 2nd November 2002; 25th May 2003; 3rd May, 14th October 2004; 11th October 2005; 1st February 2006; 30th September 2017

An excavated hole that draughts strongly.
MATIENZO UNDERGROUND - site descriptions (printed 19/02/2022
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"A Pile of Pants"
well.
Reference: anon., 2001a (Easter logbook); anon.
2001c (Summer logbook); anon., 2002a (Easter
logbook); anon., 2002b (summer logbook); Corrin
Juan, 2003a; Corrin Juan, 2003b; anon., 2003b
(Easter logbook); anon., 2004b (Easter 1, 2003b
(Easter logbook); anon., 2004b (Easter logbook
anon., 2004d (summer logbook); anon., 2005b
anon., 2004d (summer logbook); anon., 2005b
(Easter \& summer); Corrin Juan, 2005; Corrin Juan,
2006a; anon., 2006b (Easter logbook); anon., 2006d
(summer logbook); Corrin Juan, 2007; anon., 2017c
(summer logbook)
(summer logbook)
Entrance pictures: yes
Underground picture(s): yes
Underground picture(s):
Detailed survey:
Detailed survey:
Video: entrance location
Video: entray:
Line survey:
On area survey
On area surv
Survex file:
X
1656: cave
S Vega 30T 450955 4794430 (Datum: ETRS89
Accuracy code: G) Altitude 593 m
Length 10 m
Area position
Updated 6th May 2002; 9th November 2004

An 8 m descending rubble slope leads to a horizontal choked tube and a very tight 5 m shaft which may need quite a bit of work to open it up. Some bones and antlers have been found on the slope.

Reference: anon., 2001a (Easter logbook); Corrin Reference: anon., 2001a (Easter logbook);
Juan, 2003a; anon., 2004e (autumn logbook) Entrance picture: yes Underground picture(s) Detailed survey: sketch Line survey:

## 1657: shaft

## s Vega 30T 4513644794803 (Datum: ETRS89

 Accuracy code: G) Altitude 449 m Depth 8m Area positionAn undescended capped shaft, about 8 m deep.

Reference: anon., 2001a (Easter logbook); Corrin into a 5 m long chamber. Possible dig.

The log-covered shaft top is at the edge of a wooded valley. About 4 m deep and unexplored.

Reference: anon., 2001b (Whit logbook) Entrance picture: yes Detailed survey:
Line survey:
On area surve
Survex file:
x
1661: cave
La Rasa 30T 448721 4793958 (Datum: ETRS89, Accuracy code: G) Altitude 550 m Accuracy code: Length 8 m Depth 5 m Area position

A rift with both a leaf-floored scramble down and 4 m pitch entrances. At the base, two unexplored, narrow rifts continue.

Reference: anon., 2001b (Whit logbook) Entrance picture: y Underground picture(s): bottom climb out Line survey:
On area survey
Survex file:
X
1662: cave
Vega 30 T 4517964794682 (Datum: ETRS89
Accuracy code: G) Altitude 452 m Accuracy code: G) Altitude 452 m ength 4 m Depth 3 m
Area position
A shakehole below the barn. The drop down below a limestone face enters a 4 m long passage choked in both directions.

Reference: anon., 2001b (Whit logbook); Corrin Juan, 2003a
Entrance picture: yes
Underground picture(s): yes
Detailed survey: Detailed surve Line survey: Survex file:

X
1663: cave
S Vega 30T 4507164795551 (Datum: ETRS89 Accuracy code: G) Altitude 169 m Length 5m Depth 2 m Area position

One of two small caves (the other being 1664) a few metres east of Cueva de Comellante. A decending choked tube.

## Reference: Juan, 2003a

Entrance picture:
Underground picture(s)
Detailed surve
Line survey:
Survex file:
X
1664: cave
Vega 30T 4507084795541 (Datum: ETRS89
Accuracy code: M) Altitude 170 m Length 7 m Area position

One of two small caves (the other being 663) a few metres east of Cueva de Comellante. A 7m long cave that turns to the right.

Reference: anon., 2001c (Summer logbook); Corrin Juan, 2003a Underground picture(s): yes Detailed survey: Line survey: On area surve Survex file

1665: shaft
Trillos 30T 4478304793866 (Datum: ETRS89 Accuracy code: G) Altitude 657 m Length 27 m Depth 25 m Area position

A small hole that leads to a 25 m deep shaft to a floor $4 \times 3 \mathrm{~m}$. A low passage at the base chokes after 2 m .

In October 2013, the site was described as triangular shaped opening approx 0.5 m diameter, approx 10 m above track with an old spit at the entrance. About 3 m to the west is a further entrance covered with rocks, also a rift above the main entrance, these both join the shaft close to surface. The choked alcove at the bottom appears to draught in and may be worth digging. Reference: anon., 2001c (Summer logbook); Corrin
Juan, 2003a; anon., 2013e (autumn logbook) Entrance picture: yes
Underground picture(s)
Detailed surve
Line survey:
On area survey
MATIENZO UNDERGROU as a dam at the entrance. A
to start draining the water.

# A strongly draughting, bouldery site in ar 

 interesting area above Hoyuca. Some boulders have been removed but there is no boulders have been removed but there is nosign of solid walls. After wet weather during the summer of 2002 there was no draught.
Reference: anon., 2001c (Summer logbook); anon. (summ ., 2001c (Summer logbook); Entrance picture: yes Underground picture(s) Detailed survey Line survey: On area survey
Survex file:

1668: cave

## Riaño 30T 4526494799474 (Datum: ETRS89

 Accuracy code: G) Altitude 257 mUpdated 3rd November 2002 but could require a lot of work. There appears to be no draught after wet weather Reference: anon., 2001c (Summer logbook); anon 2002b (summer logbook); Corrin Juan, 2003a anon., 2012d (summer logbook) 1 closeup 2 Underground picture(s): Detailed survey: Line survey: On area surve Survex file

1671: resurgence
a Secada 30T 4531384797505 (Datum: ETRS89. Accuracy code
Area position

A draughting wet weather resurgence next A draughting wet weather resurgence
to a ruined farm house. The flat-out to a ruined farm house. The flat-out entrance ha
is required.

Reference: anon., 2001c (Summer logbook); Corrin Reference
Entrance picture: 123
Underground $\mathbf{p}$
Line survey:
On area survey:
Survex file:
X
1672: dig
Riaño 30T 4524174799553 (Datum: ETRS89 Accuracy code: G) Altitude 246 m Area position

Updated 30th April, 12th November 2002 30th April 2016

A small draughting hole in the side of a depression in a field where cattle are kept. small bouldery "chamber" was originally seen that required to enter. Subsequen work at Easter 2002 dug down 4 m to a tight entry onto a 7 m pitch to an eyehole into the space below the shakehole. Further digging required.
At Easter 2016, a group "poked at the entrance but didn't go in"

Reference: anon., 2001c (Summer logbook); anon. 2002a (Easter logbook); Corrin Juan, 2003a; Corrin uan, 2003b; anon., 2016b (Easter logbook) Entrance picture: yes
Underground picture(s): Detailed survey: Line survey: On area survey Survex file:
X

1673: Chisel Cave
Riaño 30T 4528264799970 (Datum: ETRS89 Accuracy code: A) Altitude 288m ength 48 m

Updated 30th April 2002; 21st October 2010; 13th October 2011

The entrance is in a streambed that is almost dry after no rain. A hands and knees passage that was pushed at a sharp right hand bend in 2010, then excavated in decorated passage to a collapse where it nears the surface. The route appears to continue beyond the collapse but requires equipment. It was pushed in the summer 2011 for about 2 body lengths but needs a chisel to continue.

Reference: anon., 2001c (Summer logbook); anon Reference: anon., 2001c (Summer logbook); ar
2002a (Easter logbook); anon., 2010c (summer logbook); anon., 2011d (summer logbook) Entrance picture: ye Underground picture(s): yes Video: yes ( 7 minute wmv file 250Mb) Detailed survey: ye Line survey:
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014. to be a low passage under sandstone, currently blocked with rocks. The site has been found draughting out and has been dug on the N side.
potential
Undergrol
Detailed surv
Line survey:
On area survey:
Survex file:
1675: cave
S Vega 30T 4505784795491 (Datum: ETRS89
Accuracy code: M) Altitude 215 m
Accuracy cod
Area position

A small $2 \times 3 \mathrm{~m}$ hole 120 m south west of Comellantes.

Reference: anon., 2001c (Summer logbook); Corrin Reference:
Juan, 2003 a Juan, 2003a

## 1676: shaf

 onto a sloping floor.During Spring 2021, the Club de Montaña y Espeleología La Cambera explored around the Alisas-Los Trillos area, rediscovering

Reference: anon., 2001c (Summer logbook); anon. 2017a (January, February logbook); anon., 2021b (Spring logbook); anon., 2021d (autumn logbook); anon., 2021e (La Cambera Rpt)
Entrance picture: 2001 -
Underground picture(s):
Underground pi
Detailed survey
Detailed surv
Line survey:
On area survey
On area sur
Survex file:

1678: shaf1
Alisas 30T 4474874793995 (Datum: ETRS89. Accuracy code: G) Altitude 676 m Depth 5m

Reference: anon., 2001c (Summer logbook); Corrin
Juan, 2003a; León García José, 2010 (Volume 1 and Volume 2) (surv Entrance picture Underground picture(s): Detailed survey: hand-drawn survey $1: 1000$ with site 408
Line survey:
On area surve
Survex file: yes (Amended magnetic declination Survex file: yes (Amended magnetic declina
December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014. Passage direction rose diagram: 30/6/2018

## 1680: shaft

1680: Shaft La Secada $30 T 4528174798251$ (D)
Accuracy code: G) Altitude 220 m Length 5 m Depth 5 m Area position

The shaft drops 5 m down a rift to a chamber under a boulder. A draught comes from between boulders in the floor

Reference: anon., 2001c (Summer logbook); Corrin uan, 2003a Entrance picture:
Underground picture(s) Underground pic
Detailed survey: Line survey: On area survey Survex file:
x
1681: cave
La Secada 30T 4528784798337 (Datum: ETRS89. La Secada 30T 4528784798337 (

Accuracy code: G) Altitude 231 m | Length 12 m |
| :--- | Area position

Updated 13th October 2011
The higher site which is entered half way up an 8 m high cliff. (The lower site is dig 882). Twelve metres of stal encrusted passage up to 2 m high and wide leads to a draughting fissure. The depression was visited in 2011 but no attempt was made to enter the cave.

Reference: anon., 2001c (Summer logbook); Corrin Juan, 2003a; anon., 2011d (summer logbook) Entrance picture: y
Underground picture(s)
Detailed surve
Line survey:
Survex file:
X
1682: dig
La Secada 30T 4512794797593 (Datum: ETRS89. Accuracy code: G) Altitude 245 m

## Arcuracy code

Updated 13th October 2011
A low, draughting, earth-filled arch has a rock blocking the way on. Site 1681 is half way up the cliff. The site hole could not be positively identified on a visit in 2011 - it may have been filled with leaves - and there seemed to be no draughting holes in the depression.

Reference: anon., 2001c (Summer logbook); Corrin Jan, 2003a; anon., 2011d (summer logbook) uan, 2003a; anon., 2011d (summer logbook) Underground picture(s) Detailed survey: Line survey: On area surve Survex file:

1683: shaft
S Vega 30T 451258 4794261 (Datum: ETRS89 Accuracy code: M) Altitude 572 m

## Area position

A $5 m$ deep rift with a diggable choke at the base.

Reference: anon., 2001c (Summer logbook); Corrin uan, 2003a Entrance picture:
Underground picture(s):
Detailed surv
On area survey.
Survex file:
X
1684: dig
S Vega 30T 4512484794271 (Datum: ETRS89 Accuracy code: M) Altitude 567 m Area position
$\frac{1685: ~ d i a ~}{\text { coa }}$

## Updated 3rd November 2003

A depression between prominent outcrops. A dig which has a fair draught in. Rocks need removing to give a view over what appear to be a 5 m sloping drop in a small cave.
Reference: anon., 2001c (Summer logbook); Corrin
Juan, 2003a; anon., 2003d (autumn logbook) Reference: anon., 2001c (Summer logbook)
Juan, 2003a; anon., 2003d (autumn logbook) Entrance picture: yes Underground picture(s Line survey:
Line surv Line survey
On area sur Survex file:

## 1686: cave

S Vega 30T 4501884794361 (Datum: ETRS89 Accuracy code: G) Altitude 495 m a 2 m choked pot.

Reference: anon., 2001c (Summer logbook); Corrin Reference:
Juan, 2003a
Entrance picture
Underground picture(s)
Detailed survey
Line survey:
On area survey
Survex file:

1688: shaf
S Vega 30T 4502684794341 (Datum: ETRS89 Accuracy code: M) Altitude 523m

```
Length 3m D
```

A $3 m$ deep choked pot by a prominent tree.
Reference: anon., 2001c (Summer logbook); Corrin Reference:
Juan, 2003 a Juan, 2003a
Underground picture(s)
Detailed survey
Line survey On area survey Survex file:

## 1689: dig

```
Area positior
```

A draughting dig about 70 m above site 415 . In 2001, it was filled with a dead cow.

Reference: anon., 2001c (Summer logbook)
Reference: anon.,
Entrance picture y
Underground picture(s)continuation.

```
M Depth 2m
```

A 2 m deep hole, partly blocked by a
boulder. Requires a thin person.
Reference:
Reference: anon.,
Juan, 2003a
Entrance picture:
Underground picture(s):
Under
Detailed surve
Line survey:
Line survey:
On area survey:
Survex file:
$\times$
1692: shaft
SV9: Shaft 47981 (Datum: ETRS89
S Vega 30T 451138 4794861 (Datu
Accuracy code: M) Altitude 465 m
Accuracy code: M) Altit
Length 3 m Depth 3 m
Length 3 m D
Area position
Updated 30th October 2020
A 3 m deep hole under a rock by the side of
the track
Reference: anon., 2001c (Summer logbook); Corri
Juan, 2003a; anon., 2020d (autumn logbook)
Juan, 2003a; anon., 2020d (autum
Entrance picture: October 2020
Entrance picture: October
Underground picture(s):
Underground pic
Detailed survey:
Line survey:
On area survey:
On area surv
Survex file:
x
1693: shaft
S Vega 30T 4512174794781 (Datum: ETRS89.
Accuracy code: G) Altitude 475 m
Accuracy code: G) Altitu
Length 10 m Depth 4 m
Length 10 m
Area position

Updated 7th May 2009
A fenced 4 m deep shaft which enters 6 m of 2 m wide walking passage that stops.
Reference: anon., 2001c (Summer logbook); Corrin
Juan, 2003a; anon., 2009a (Easter logbook) Reference: anon., 2001c (Summer logbook)
Juan, 2003a; anon., 2009a (Easter logbook)
Entrance picture: Entrance picture: Underground picture(s): Detailed surve On area survey: Survex file:
x
1694: shaft
S Vega 30T 4512384794851 (Datum: ETRS89.
Accuracy code: M) Altitude 447 m
Length 3 m Depth 3 m
Area position

An excavated $3 m$ deep hole which chokes. A rock is placed over the entrance.

Reference: anon., 2001c (Summer logbook); Corrir Juan, 2003a Entrance picture:
Underground picture(s):
Detailed surve
Line survey:
Survex file:
x
1695: shaft
Llueva 30T 4547484797081 (Datum: ETRS89. Accuracy code: M) Altitude 452 m
Length 3 m Depth 3 m Area position
A choked, 3 m deep shaft with a boulder over the top.

Reference: anon., 2001c (Summer logbook) Reference: anon., Underground picture(s): Detailed survey: Line survey: On area survey Survex fil

X
1696: shaft
Llueva 30T 454738 4797131 (Datum: ETRS89 Accuracy code: M) Altitude 432 m Depth 5m Depth $5 m$
Area position

An unexplored 5 to 6 m deep shaft near the cliff face which requires a thin person. (Grid reference may be wrong: originally $54 \underline{2} 4$ bu 50 m from 1695).

```
Reference: anon., 2001c (Summer logbook)
Entrance picture:
Underground pict
Letailed surve
Line survey:
Survex file:
1697: dig
La Secada 30T 4511014797663 (Datum: ETRS89. Accuracy code: G) Altitude 307 m
```

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A bramble filled depression in one of Victor fields above site 0415. A dig in boulders against one apparently solid face. Has draughted on occasion.

Reference: anon., 2001c (Summer logbook); Corrin Reference:
Juan, 2003 a

A 20 m deep shaft has a low stone wall on one side. The roomy shaft descends to a one side. The roomy shaf
slope and a too-tight rift.
Reference: anon., 2001c (Summer logbook); Corrin Reference: anon.,
Juan, 2003a; anon., 2003c (summer logbook); Corrin Juan, 2005
Entrance pictures: yes video of position Entrance pictures: yes video
Underground picture(s): yes Underground pict
Detailed survey: Line survey: On area survey Survex file:

1699: cave
S Vega 30T 4520334794636 (Datum: ETRS89 Accuracy code: G) Altitude 520 m

Updated 8th May 2018
A 5 m long stooping-height cave.
Reference: anon., 2001c (Summer logbook); Corrin Reference: anon., 2018b (Easter logbook)
Juan, 2003a; anon., 201 Entrance picture: 2001 and 2018 Underground picture(s): 2001 and 2018 Detailed survey
Detailed surv
Line survey:
On area survey
Survex file:

## 1700: collapse

Llueva 30 T 4541484797481 (Datum: ETRS89 Accuracy code: M) Altitude 401 m
Length 3 m Depth 3 m
Area position
A 3 m deep, choked collapse.
Reference: anon., 2001c (Summer logbook, Entrance picture:
Underground picture(s)
Detailed survey
Line survey
On area sur
On area sur
Survex file:

## 1701: shaf

Arredondo 30T 4506994793332 (Datum: ETRS89, Accuracy code: G) Altitude 538 m Length 50 m Depth 50 m Area position

Two entrances to a 50 m shaft explored by the Catalan cavers. The lower entrance gives a 20 m shaft

Reference: pers comm
Entrance picture
Underground picture(s)
Detailed survey Line survey: On area surv
Survex file:

1702: shaft
Arredondo 30T 4506584793395 (Datum: ETRS89. Accuracy code: G) Altitude 565 m Length 15 m Depth 15 m Area position

A 15 m shaft explored by the Catalan cavers.
Reference: pers comm
Entrance picture:
Underground picture(s)
Entre
Detailed survey
Line survey:
On area survey

## 1703: shaf

Arredondo 30T 4508864793650 (Datum: ETRS89 Arredondo 30T 4508864793650
Accuracy code: G) Altitude 642 m

## Accuracy code Area position

A covered shaft noted by the Catalan cavers.

Reference: pers comm
Entrance picture: ntrance picture:

Updated 30th April 2002
On the north side of Hoyo de las Puchas. An 2 m climb down in a 3 m long rift meets a further 3 m climb down to a choke.

```
Reference: anon, 2001d (Christmas logbook)
Reference: anon,
Entrance picture: yes
Underground picture(s):
Detailed survey:
Line survey:
On area survey
Survex file:
1705: shaft
1705: Shaft }4795072 (Datum: ETRS89
S Vega 30T 450121 4795072 (Datu
Depth 3m
Area position
```

A small, undescended, 3m deep shaft, possibly undercut at the base. Blocked with a sandstone block

Reference: anon, 2001d (Christmas logbook) Entrance picture: yes Inderground picture(s): Detailed surve Line survey: Survex file:
x

## 1706: cave

Cubija 30T 450468 4796391 (Datum: ETRS89 Accuracy code: M) Altitude 250 m Length 6 m Depth 5 m

## Area position

A rift explored down over a large slab to a bouldery floor. This area around Cueva Arturo needs checking out.

```
Entrance picture: yes (Christmas logbook)
Entrance picture: yes
Underground picture(s)
Detailed surve
Line survey
On area surv
X
1707: shaft
Llueva 30T 4552294798577 (Datum: ETRS89
Accuracy code: G) Altitude 231m
Depth 8m
Area position
Updated 22nd January }201
```

This small hole is in a wooded shakehole on the edge of a newly (Xmas 2001) terraformed area. It can be seen that a body-sized drop continues down beyond 8 m deep. On a visit in December 2012, the hole appeared to be blocked up after 1m with a large, loose boulder restricting access. Ten metres out from the wooded hole are a couple of holes broken into by a bulldozer. They appear rather immature and chossy.

Reference: anon, 2001d (Christmas logbook); anon., 2012 f (Christmas logbook) Entrance picture: Detailed survey: Line survey: On area survey: Survex file:

1708: cave S Vega 30T 4499274795022 (Datum: ETRS89 Accuracy code: G) Altitude 374 m Length 15 m
Area position

Updated 30th April 2002
A small hole that drops down to a dig that has been opened up to allow entry down to another small chamber, which has another slot down to a floor about three feet down. This has been passed to a third "chamber" where artifical methods would be required to progress. (Length above is a guess). Tiano says that the snow melts around the entrance
There are another "three or four shafts and digs in the area". MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024

2003b
Entran Underground picture(s)
Untres Detailed survey Line surve) On area survey Survex file

1709: cave
Seldesuto 30T 4498284795073 (Datum: ETRS89 Accuracy code: G) Altitude 342 m Length 3m Depth 3 m Area position

Updated 30th April 2002
A 3 m climb down onto a choked base. Reference: anon, 2001d (Christmas logbook);
anon., 2002a (Easter logbook); Corrin Juan, 2003b Entrance picture: yes Underground picture(s)
Detailed survey
Line survey: On area survey: Survex file:

## 1710: dig

A depression behind the house where Tiano was brought up. The southern hole in the was brought up. The southern hole in the
depression was used to store cheese, etc as depression was used to store cheese, et
it had a cold draught. The draught was it had a cold draught. The draught
described as "weak" in April 2023.

Reference: anon, 2001d (Christmas logbook);
anon., 2023b (Easter logbook)
Entrance picture: ye
Underground picture(s)
Detailed survey:
Line survey:
Line surv
On area survey
Survex file:

X
1711: cave
Seldesuto 30T 4499094794427 (Datum: ETRS89 Accuracy code: G) Altitude 433 m
Length 15 m Depth 4 m

## Area positio

A 2 m high and 1 m wide entrance in the woods. A squeeze below boulders to the left enters about 15 m of passage.

Reference: anon, 2001d (Christmas logbook) Entrance picture: yes Underground picture(s) Detailed survey On area sur On area sur
Survex file:

## 1712: shaf

S Vega 30T 4500004795142 (Datum: ETRS89 Accuracy code: G) Altitude 348m Length 10 m Depth 6 m

Updated 30th April 2002
A $6 \mathrm{~m} \times 4 \mathrm{~m}$ open hole that is only 6 m deep and choked all round.

Reference: anon, 2001d (Christmas logbook); anon., 2002a (Easter logbook); Corrin Juan, 2003 b
Entrance picture: Looking north across the shaft Looking down
Underground picture(s)
Detailed survey
Line survey
On area sur
Survex file:

## 1713: shaf

S Vega 30T 4500654795171 (Datum: ETRS89 Accuracy code: G) Altitude 332 m Length 25 m Depth 21 m Area positior

Updated 30th April 2002
The GPS grid reference is suspect as the entrance is up on the SW side of a steen sided depression. A roomy shaft that descends 16 m to a ledge. The shaft funnels in to a further 5 m drop to a 3 m diameter chamber with a choked floor.

Reference: anon, 2001d (Christmas logbook); Reference: anon, 2001d (Christmas logbook);
anon., 2002a (Easter logbook); Corrin Juan, 2003b Entrance picture: yes
Underground picture(s): shaft
Detailed survey
Line survey:
On area survey
Survex file:

1714: shaf
S Vega 30T 4502604795086 (Datum: ETRS89
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## Accuracy code: G) Altitu Length 10m Depth 9 m Area position

 Area positionUpdated 2nd May 2002
A 9m deep, blind pitch.
Reference: anon, 2001d (Christmas logbook); anon., 2002a (Easter logbook); Corrin Juan, 2003b Entrance picture: yes exploration Underground picture(s): Detailed survey: Line survey: on area survey: Survex file

X
1715: cave
S Vega 30T 4500574795036 (Datum: ETRS89 Sccuracy code: G) Altitude 390 m
Al Length 45 m Depth 23 m Area position 2022

A steep, grassy-sided depression has a small hole where a ladder aids the drop down of 3 m onto the top of a sticky mud slope. The route enlarges immediately and slopes down at a constant 28 degrees into a chamber, some 15 m wide. There are large formations straight whead as the chamber man slopes down to the right and at the bottom the slope, where the outlet beyond a calcite floor quickly chokes with debris.

Reference: anon, 2001d (Christmas logbook);
anon., 2002a (Easter logbook); Corrin Juan, 2003b (photo); anon., 2022c (summer logbook) Entrance picture: looking out over La Vega 2002 Underground picture(s): $2002: 2022$ Underground picture(s)
Detailed survey: $1: 500$ Line survey:
On area survey:
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.)

1716: shaft
Seldesuto 30T 4499154795001 (Datum: ETRS89. Accuracy code: G) Altitude 374 m Length 4 m Depth 4 m Area position

A choked, 4 m deep shaft
Reference: anon., 2002a (Easter logbook); Corrin Reference: Entrance picture: yes Detailed survey: Line survey: On area survey: Survex file:

1717: shaft
S Vega 30T 4502654795047 (Datum: ETRS89 S Vega 30 T 4502654795047 (Datu
Accuracy code: G) Altitude 388 m Length 20 m Depth 9 m Area position

A large, open hole with trees, about 9 m deep. The depression can be free-climbed at the southern end. It is also possible to clim down a separate entrance to the west and drop down onto the choked floor

Reference: anon., 2002a (Easter logbook); Corrin n, 2003b
Entrance picture: yes
Underground pi
Detailed survey:
Line survey:
On area survey
Survex file:

An excavated 17 m pitch which is covered with soft, white flowstone. Halfway down i aven. At the base, a small pool drains away through a narrow crack. On the opposite wall. a small rift drops 7 or 8 m . This is currently too tight but an obstructing flake currently too tight be removed. There was a small
could outward draught with external temperatures outward drau
at $14-16 \mathrm{C}$.

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b
Entrance picture
Underground picture(s):

A good draughting dig in a shakehole above the track that follows the contour from the new parking spot on the made up track.

Reference: anon., 2002 e (February logbook);
ann, 2002a (Easter logbook) Refen., 2002a (Easter logbook) Entrance picture
Underground picture(s):
Detailed survey: Line survey:
Line surv On area survey Survex file:

1721: shaf
Arredondo 30T 4503254792584 (Datum: ETRS89. Arredondo 30T 4503254792584 ([
Accuracy code: G) Altitude 503 m
Depth 20 m
Area position
Updated 14th October 2004; 15th November 2022
An undescended shaft, at least 20 m deep, near the sub-ridge above Vallina. Marked VT9802

Reference: anon., 2002 e (February logbook); anon., 2002a (Easter logbook); Simonnot G, 2022 Entrance picture: yes Underground picture(s)
Detailed survey
Line survey
On area sur
Survex file:

1722: shaft
S Vega 30T 4501924795151 (Datum: ETRS89. Accuracy code: G) Altitude 348m

## Length 50 m Depth 35 m

## Area position

A shaft, first pointed out by Tiano at new year 2002, and possible confused with site 1001. This hole lies just north and downhill of the depression containing the top entrances to site 0330. (Site 1001 has been "moved" downhill until the area is further investigated along with 999 and 1000). The entrance is a SE-NW rift partly covered with rocks at the SE end. The descent is a broken 35 m . A parallel shaft partway down broken 35 m
also chokes.

Reference: anon., 2001d (Christmas logbook); anon., 2002a (Easter logbook); Corrin Juan, 2003b Entrance picture: distant closer with Tiano close
up
Detailed survey

1723: shaf
Riaño 30T 4523854799472 (Datum: ETRS89 Riaño 30 T 4523854799472 (Datı
Accuracy code: G) Altitude 262 m Accuracy code: G) Altit
Length 4 m Depth 4 m Area position

Near the edge of the wood. An
undescended, 2 m wide shaft appears to choke about 4 m down.

Reference: anon., 2002a (Easter logbook) Entrance picture: yes
Underground picture(s
on the $1: 5000$ maps. Called Tutti Fruiti, it has been previously dug.

Reference: anon., 2002a (Easter logbook)
Entrance picture: yes
Underground picture(s):
Detailed survey:
Line survey:
On area survey:
Survex file:
X
1725: Cave
Cobadal 30T 448716 4797947 (Datum: ETRS89.
Accuracy code: G) Altitude 205m
Length 79m
Area position
Updated 3rd November 2002; 21st October Updated 3rd November
2003; 27th June 2004 One of the interesting holes along the base
of the vegetated slope in Cobadal. A drop of the vegetated slope in Cobadal. A drop
down into water with 80 m of passage up to 5 m wide that needs a description. 5 m wide that needs a description.
The draughting end appears to come close The draughting end appears to come close
to draughting passage in the Sumidero de to draughting passage in the
Cobadal system (site 1930).

Reference: anon., 2002a (Easter logbook); anon., Reference: anon., 2002a (Easter logbook); ano
2002b (summer logbook); Corrin Juan, 2003b; 2002b (summer logbook); Corrin
anon., 2003c (summer logbook)
Entrance picture: yes
Underground picture(s):
Detailed survey: $1: 500$
Detailed surve
Line survey:
On area survey
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014. .

## x

1726: One Sock Pot
Ozana 30T 4548094794943 (Datum: ETRS89 Accuracy code: G) (or ETRS89: 30 T 454778 4794971 by bearings) A
Length 15 m Depth 8 m Area position

## Updated 7th June 2002

An $8 m$ deep shaft with a hole through to sta where a possible continuation has been dug where a possible

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b Entrance picture: yes Underground picture(s): stal Detailed surve On area survey: Survex file:

## X

1727: JCB Pot
Ozana 30T 4549854794856 (Datum: ETRS89 Accuracy code: G) Altitude 427 m Area position

A narrow rift with a short drop. No progress possible without rock removal.

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b
Entrance picture:
Underground picture(s):
Detailed surve Line survey:
On area surve Survex file:

X
1728: Probable Pot
Ozana 30T 4548034794926 (Datum: ETRS89. Accuracy code: G) Altitude 414 m Length 4 m Depth 4 m Area position

A 4 m shaft to a large rock blocking progress. The site has been dug and abandoned.

Reference: anon., 2002a (Easter logbook); Corrin Reference:
Juan, 2003b Entrance picture: Underground picture(s): Detailed survey: Line survey: On area survey
Survex file:
x

## 1729: cave

Ozana 30T 454718 4795051 (Datum: ETRS89. Accuracy code: M) Altitude 457m
Area position
Updated 20th May 2006
A slot lies at the base of slabs. This appears to lead into a very tight passage. The site is possibly 2428 or site 2455.

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b; anon., 2006b (Easter logbook) Entrance picture:
Entre(s): Detailed survey: Line survey:

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```
On area surv
Survex file:
```

1730: dig (2315 (French: SCD))
Arredondo 30T 4499684792421 (Datum: ETRS89
Accuracy code: M) Altitude 419 m
Area position
Updated 3rd November 2002; 11th February
2016; 23rd September 2018; 15th
November 2022

A draughting dig about 40 m west of the top entrance to Cueva Vallina. A lot of work still required after excavation as the route doesn't appear to enlarge.

Reference: anon., 2002a (Easter logbook); anon Reference: anon., 2002a (Easter logbook); a
2002b (summer logbook); Corrin Juan, 2003b; Simonnot G, 2016; Simonnot G, 2018; Simonnot G, 2022 Entrance picture: yes
Underground picture(s)
Detailed survey
Line survey
On area sur
Survex file:

## 1731: cave

Mullir 30T 4557614796098 (Datum: ETRS89 Accuracy code: G) Altitude 574 m Length 10 m Area position

A small entrance enters a 10 m long, metrehigh cave that closes in.
X
1733: shaf

## Mullir 30T 4557734795556 (Datum: ETRS89.

3: shaft Accuracy code: G) Altitude 614 m
Length 8 m Depth 8 m
Area position

An 8 m deep, open shaft with a circular base.

1734: shaf

## $$
\begin{aligned} & \text { Mullir } 30 \mathrm{~T} 455434795608 \text { (Datur } \\ & \text { Accuracy code: G) Altitude } 610 \mathrm{~m} \end{aligned}
$$

$$
\begin{aligned}
& \text { curaty code: G) Altitude } 610 \mathrm{~m} \\
& \text { ength } 30 \mathrm{~m} \text { Depth } 25 \mathrm{~m}
\end{aligned}
$$

$$
\begin{aligned}
& \text { Length } 30 \mathrm{~m} \text { Depth } 25 \mathrm{~m} \\
& \text { Area position }
\end{aligned}
$$

Area position

An excavated top leads to a smallish entry to the shaft that then bells out after 3 m White walls are encountered in the chamber at the bottom, 25 m down.

Reference: anon., 2002a (Easter logbook); Corrin
Reference:
Juan, 2003b
Juan, 2003b
Entrance picture: yes



Line survey:
On area survey
Survex file

1735: shaft
Mullir 30T 4557394795645 (Datum: ETRS89 Accuracy code: G) Altitude 608 m

```
Length 3m Depth 3m
```

Area position

The site is in a corner at the same altitude as site 1734. A 3 m deep climb down that chokes.

Underground picture(s):
Detailed surve:

## 1736: shaft

Mullir 30T 4557964795567 (Datum: ETRS89 Accuracy code: G) Altitude 598m Length 4 m Depth 4 m Area position

The shaft top has a semicircle of stones around it. A 4 m deep choked shaft.

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b
Entrance picture: yes
Underground pic
Detailed survey:
Line survey: On area survey Survex file:

## x

1737: shaft
Mullir 30T 4559524795348 (Datum: ETRS89 Accuracy code: G) Altitude 580 m Length 15 m Depth 8 m Area position

## Updated 30th October 2020

A large, open shaft, vaguely Y -shaped. About 8m deep and choked

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b; anon., 2020d (autumn logbook) Entrance pictures: 2002, 2020 Underground picture(s): Detailed surve On area survey Survex file:

## x

## 1738: shaft

Mullir 30T 4558754795390 (Datum: ETRS89 Accuracy code: G) Altitude 600 m ength 50 m Depth 41 m

## Area position

The entrance is on the uphill side of a hakehole, a short distance from the more noticeable site 1739. The shaft has been previously explored as there were 2 spits near the top. 16 m down is a ledge and lip to a slot. A further drop of 24.6 m meets the choked base.

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b Entrance picture: distant looking down at entrance setting off Underground picture(s): Detailed surve Line survey: Survex file:

X
1739: shaft (M?)
Mullir 30T 4559144795363 (Datum: ETRS89. Accuracy code: G) Altitude 590 m Length 35 m Depth 27 m

## Area position

A prominent $5 \mathrm{~m} \times 2 \mathrm{~m}$ slit on open ground Previously descended as one of the long walls has a spit and there are signs of a green M number. A 24.5 m shaft to a tiny 2 m drop and a choked floor

Reference:
Juan, 2003b Entrance picture: y Underground picture(s) Detailed surve Line survey: On area sur
Survex file:

X
1740: shaft
Mullir 30T 4559004795321 (Datum: ETRS89 Accuracy code: G) Altitude 587 m Length 30 m Depth 26 m Area position

A hole at the top of a complex depressior with three trees. The 1 m diameter shaft drops to a ledge at about 10 m and finally past white walls to a choked floor.

Reference: anon., 2002a (Easter logbook); Corrin Juan, 2003b Undergro picture: yes
Under Detailed survey: Line survey: Survex file: Survex file:

1741: hole
La Secada 30T 4529024797807 (Datum: ETRS89. Accuracy code: G) Altitude 204m
Area position

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A hole discovered on the walk up to site , Tres Niños. There is no further description.

Reference: anon., 2002a (Easter logbook)
Entrance picture:
Underground picture(s):
Detailed survey:
Line survey:
On area survey
Survex file:

1742: dig
Llueva 30T 4553874796806 (Datum: ETRS89, Llueva 30 T 4553874796806 (Dat
Accuracy code: G) Altitude 416 m Length 4 m Length 4 m
Area position

An arched entrance down to a draughting

Reference: anon., 2002 e (February logbook); anon., 2002a (Easter logbook) Entrance picture: yes Underground picture(s) Line survey: On area survey Survex file:

## 1743: shaf

Llueva 30T 4556324796703 (Datum: ETRS89. Accuracy code: G) Altitude $415 n$ Area position

Updated 3rd November 2002
The entrance lies 400 m down the path from the farmhouses and about 30 m up off the track where a small hole on the right in the track is a marker. Site 1821 with an arched cap is 20 m further up the hill.
A 17 m entrance pitch passes a sloping ledge to a boulder floor. This slopes down and enters a well decorated chamber. A hole in the wall at the boulder slope enters a crawl around the perimeter of the shaft which also enters the same chamber. Reference: anon., 2002e (February logbook);
anon., 2002a (Easter logbook); anon., 2002b (summer logbook); Corrin Juan, 2003b Entrance picture: across shaft shaft top Underground picture(s): yes Detailed survey: $1: 500$ Line survey:
On area survey:
Survex file: yes (Amended magnetic declinatio Survex file: yes (Amended magnetic declina
December 2013 to align with Eur79 grid and December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.)

## 1744: cave

 Accuracy code: M) Altitude 167 mLength 5m
Updated 22nd May 201
A 5 m long cave some 25 m from the gate. At Easter 2017, the site could not be found and it must be assumed that the cave entrance has been covered over.

Reference: anon., 2001d (Summer logbook); anon., 2017b (Easter logbook) Entrance picture
Underground picture(s)
Detailed survey
Line survey:
On area sur
Survex file:

1745: Portillejo de Tocornal, Torca de (2001 (French: SCD)) Arredondo 30T 4516374793239 (Datum: ETRS89 Accuracy code: G) Altitude 5 :
Length 360 m Depth 251 m Area position

Updated 31st October, 17th November 2007; 1st July 2009; 18th January 2011 2007; 1st July 2009; 18th January 2011;
11th February 2016; 23rd September 2018; 11th February 2016; 23rd Septer
13th June, 15th November 2022

According to Simonnot G, 2016, the site position is ETRS89 0451628 4793236. The grid reference in León García José, 2010 (Volume 1 and Volume 2) (Cantabria Subterránea. Catálogo Grandes Cavidades) is 30 T 04517504793450 Alt .575 m (datum possibly ED50?)

The information below has been roughly translated from the French, Spéléo-Club de Dijon reference, Degouve de Nuncques Patrick et Simonnot Guy, 1989 (in Sous le Plancher, no 4, 1989) and Simonnot
G, 2016.

The entrance is about fifty meters above the huts of Tocornal, ten under the small col between Piluca and El Castro. The pit was first shown to the French by a shepherd in August 1987. A first trip in April 1988 to -40 m revealed the presence of a large pitch MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) Volume 3 - page 28
which was descended in August 88 during a
single exploration. single exploration moor, not making the rigging of the firs pitch ( 22 m ) very easy. The base is the crossroads of three galleries. Two of them the Northern and Western gallery) are upstream inlets which begin with beautiful meanders ( $8 \times 2$ ) which are not long in meanders ( $8 \times 2$ ) which are not long in
narrowing to become impenetrable. The Western gallery may have a continuation at the top of a 3 m climb. The third gallery contains an enormous decorated block that contains an enormous decorated block that slopes down to the upper lip of Odyssée Pitch (p207).
Thick layers of moonmilk cover the walls and it is very difficult to rig. Fortunately, a few meters before, a hole with a strong draught (translation?) leads to a pitch of 10 m which joins a alcove occupied by a gour draining into the Odyssée pitch. The descen continues in a decorated 4 m diameter tube for 20 m (at -55 m ). The pitch then enters the gigantic abyss. Lighting from a small halogen torch shows the imposing solid masses of stalagmites. The variable consistency of the decorated walls does not make rigging easy and the two spits which held the last section (109m free hanging) "were the occasion of many cold sweats". The base of the pitch $(-240 \mathrm{~m})$, is somewhat narrower ( $30 \mathrm{~m} \times 15 \mathrm{~m}$ ) and is occupied by narrower ( $30 \mathrm{~m} \times 15 \mathrm{~m}$ ) and is occupied by nam section gives access to a final final squeeze where the system closes in at 51m.
Members of the Asociación Espeleologica Conquense Lobetum, who have the permit for the Cruz Uzano / Ogarrio side, have also explored this site. They have traversed around the top of the big pitch (on large bolts) to a passage that has climbs up and appears to be heading back to the surface. Valero Enrique y Soriano Ángel, 2007 has the depth at 256 m and gives a name of Torca del Portillejo.
The Torca del Portillero occupies a quite remarkable position about the axis of the synclinal structure that crosses the peaks of El Castro. The entrance shaft opens at the base of Linares limestone, then the cavity joins the slim and stunning ground area which marks the syncline. The Tocornal which marks the syncline. The Tocornal
sandstone Tocornal (or Colorado sandstone) is pierced and the Odyssey pitch reaches the is pierced and the Odyssey pi
level of the Vallina limestone.

Reference: Degouve de Nuncques Patrick et Reference: Degouve de Nuncques Patrick et
Simonnot Guy, 1989 (survey); anon., 2000e; pe
comm (email 10/5/2002); Corrin Juan, 2003b; comm (email 10/5/2002); Corrin Juan, 2003b;
Valero Enrique y Soriano Angel, 2007; anon., 2009b (Whit logbook); León García José, 2010 (Volume 1 and Volume 2) (survey); Simonnot G, 2016
Simonnot G, 2018; Simonnot G, 2022 Simonnot G, 2018; Simonnot G, 2022 Entrance pictures: yes Underground picture(s):
Detailed survey: plan section (from Degouve de Detaiiied survey: plan section (from Dego
Nuncques Patrick et Simonnot Guy, 1989) Line survey: On area survey:
Survex file: reconstructed from plan and elevation (June 2022) : with Cueva Vallina

## 1746: Fuego, Torca del (2002

## (French: SCD))

Arredondo 30T 4516744792667 (Datum: ETRS89. Accuracy code: G) Altitude 490 m Length 20 m Depth 20 m
Area position

Updated 1st July 2009; 11th February 2016 23rd September 2018; 15th November 2022 According to Simonnot G, 2016, the site position is ETRS89 04516654792664. The information has been roughly translated from
the French, Spéléo-Club de Dijon reference, Degouv
de Nuncques Patrick et Simonnot Guy, 1989 (in Sou de Nuncques Patrick et Simonnot Guy, 1989 (in Sou
le Plancher, no 4, 1989), repeated in Simonnot $G$, 2016. The French reference number for this site is SCD2002.

At the edge of lapiaz on the left of the path from Llaneces to Tocornal. Explored April 1988. A $20 \mathrm{~m}(2 \times 1 \mathrm{~m})$ blocked shaft.

Reference: Degouve de Nuncques Patrick et Simonnot Guy, 1989; anon., 2009b (Whit logbook);
Simonnot G, 2016; Simonnot G, 2018; Simonnot G, 2022
Entrance picture: yes
Underground picture(s) Underground pic
Detailed survey: Line survey: On area sur
Survex file:

## x

1747: Arroyo, Fuente del (2003

## (French: SCD))

Arredondo 30T 4508514791838 (Datum: ETRS89 Accuracy code: G) Altitude 173m Length 12 m

Updated 11th February 2016; 23rd September 2018; 15th November 2022

The information has been roughly translated from
the frenc
the
 Ie Plancher, no 4, 19899 , repeated in Simonnot $G$,
2016. The grid reference and altituce are likely to 2016. The grid reference and altitude are likely to
have been taken off a 1:25000 map. The French reference number for this site is SCD2003.

Close to the last houses to the northeast of Arredondo, it is the source of a small tributary to the Rio Bustablado first exploration in August 1988. A small tube exploration in August 1988. A small tube
with a tiny stream soon splits into two: a with a tiny stream soon splits into two:
watery conduit seems to sump and an watery conduit seems to sump and an
inactive branch is impenetrable after a few inactive branch is impenetrable after a few meters.

| Reference: Degouve de Nuncques Patrick et |
| :--- |
| Simonnot Guy, 198; Simonnot G, 2016; Simonnot |
| G, 2018; Simonnot G, 2022 |
| Entrance picture: yes |
| Underground picture: yes |
| Detailed survey: |
| Line survey: |
| On area survey: |
| Survex file: |
| X |
| $\frac{1748: \text { Barro-Barro, Torca (2005 }}{(\text { (French: SCD)) }}$ |
| Arredondo 30T 4497584792050 (Datum: ETRS89. |

Arredondo 30T 4497584792050 (Datum: ETRS89. Length 50 m Depth 16 m Area position

Updated 11th February 2016; 24th
September 2018; 15th November 2022
The information has been roughly translated from
the French, Simonnot G, 2018. The grid reference the French, Simonnot G, 2018. The grid t
and altitude are taken from the MCP map.

Fifty meters from the road from Santander to Arredondo (km 23.5), at the edge of the road that goes up to Garmalloso and Colorado.
The unobstructed entrance gives access at 3 m to the top of a 13 m blocked pitch. crossing above the pitch makes it possible to reach a start of meander which is quickly impenetrable.
It should be noted that there is a clear draft It should be noted that there is a clear draf current at the entrance during the summer period. In winter the sense is reversed and the cavity blows strongly. In 2018, a hard day of disobstruction allows the crossing of the beginning of the meander and access to a route on a few metres finding a new passage to enlarge.

This meander has been opened up to a p10 with a rift at the base that becomes too tight.
(The grid reference in Simonnot G, 2016 and Simonnot G, 2018 puts the entrance below the main road)

The information for this site (below) has been updated in Simonnot G, 2022 and roughly translated from the French using Google Translate as a starting point. A crossing above the 13 m pitch reachs a meander which has been emptied of its clay filling over 5 m . Behind a comfortable route, which unfortunately only lasts a few meters, there is another unobstructed passage over another 5 m in height which leads to a 7 m pitch.

At the bottom a narrow descending gallery is rapidly hopeless and above all has no draught. Only a crossing from the top of the pitch would perhaps make it possible to find out more, but the modest route, which is difficult to see, seems to be well sealed. It should be noted that a clear current of air draughting in exists at the entrance during the summer period. In winter the direction is reversed and the cavity sometimes blows strongly
Exploration: Caving Club of Dijon.
The entry is marked on August 10, 1988 (Guy Simonnot); it was cleared on August
14 (Simonnot family) and the 13 m shaft 14 (Simonnot family) and the 13 m sh
was dropped on August 16, 1988 . The crossing at the top comes up against an almost completely clogged conduit. (J-Y Renard, Maxime and Guy Simonnot).

Years later the entrance is largely obstructed by masonry during the creatior of the Colorao track. It reopened in September 2016 (Guy Simonnot) Or
October 10, 2016, the little chasm was reequipped. The current of air sucking from the inlet is effectively absent at the bottom of the P.13. By swinging two openings without continuation are checked towards the middle of the shaft and it then seems that the only possible continuation is to be sought towards the top of the meandershaft after having redone the small crossing (Guy Simonnot).

On June 11, 2018, a hard day of clearing allowed the crossing of the beginning of the meander and access to a continuation for a few meters before stumbling on a new passage to be enlarged (Patrick and Sandrine Degouve, Guy Simonnot)

On July 7, 2018 the second bottleneck is crossed but the meander at the bottom of MATIENZO UNDERC
Volume 3 - page 30
the following P. 7 is without continuation.
carry out the topography (Patrick and carry out the topography (Patrick and Smith)

Reference: Degouve de Nuncques Patrick et
Simonnot Guy, 1989; Simonnot G, 2016; Sim Simonnot Guy, 1989; Simonnot G, 2016; Simonnot , 2018; Simonnot G, 2022 Underground picture(s): Detailed survey: 2018 Line survey: On area surve
Survex file: Survex file:
X

1749: Dieux, Grotte de (2006
(French: SCD))
Arredondo 30T 450138 4792071 (Datum: ETRS89 Accuracy code: G) Altitude 292m length 40 m Depth 6 m Area position

Updated 11th November 2002; 11th February 2016; 24th September 2018; 15th November 2022

According to Simonnot G, 2016 and Simonnot $G, 2018$, the site position is ETRS89 04501314792064 - but this puts it on the road. The information has been roughly translated from
the French, Spéléo-Club de Dijon reference, Degoun de Nuncques Patrick et Simonnot Guy, 1989 (in Sou le Plancher, no 4, 1989), repeated in Simonnot $G$,
2016. The French reference number for this site is 2016. The F
SCD2006.

The site is close to the km 24 on the Arredondo - Alisas road and was first explored in February 1986. When looked at in October 2002, the hole was actually marked SCD2007 (in error) A small winding cave with drained pots and gours is choked after forty metres. Twenty metres from the entrance, a squeeze with a small stream should be re-examined (narrow passage for six or seven metres).

Reference: Degouve de Nuncques Patrick Simonnot Guy, 1989; anon., 2002c (autumn 2002); Simonnot G, 2016; Simonnot G, 2018; Simonnot G, 2022
Entrance picture: yes
Underground picture(s):
Line survey:
On area surve
Survex file:
X
1750: shaft (2010 (French:
SCD))
Arredondo 30T 4516124792804 (Datum: ETRS89 Accuracy code: G) Altitude 508m Length 32 m Depth 32 m Area position

Updated 1st July 2009; 11th February 2016, 24th September 2018; 15th November 202

According to Simonnot G, 2016, the sit position is ETRS89 04516034792801

The information has been roughly translated from the French, Spéléo-Club de Dijon reference, Degouv de Nuncques Patrick et Simonnot Guy, 1989 (in Sou 2016. The French reference number for this site is SCD2010.

On the northern side of a large doline near to the Tocornal path
A pitch of $28 \mathrm{~m}(2 \times 2 \mathrm{~m})$ with a ledge at 5 m . At the base, a lightly draughting meander becomes impenetrable. At -15, a narrow window appears to give access to a parallel pitch (to be re-examined).

Reference: Degouve de Nuncques Patrick et simonnot Guy, 1989 (survey); anon., 2009b (Whit logbook); Simonnot
Simonnot G, 2022
Entrance picture:
Underground picture(s):
Detailed survey: yes (from Degouve de Nuncques Patrick et Simonnot Guy, 1989)
Line survey: Line survey:
Survex file:
X
1751: Azuela, Torca de la (2011 (French: SCD))
Arredondo 30T 4501484793391 (Datum: ETRS89 Accuracy code: M) Altitude 587 m Length
+11 m
Area position
Updated 11th February 2016; 24th September 2018; 15th November 2022

According to Simonnot G, 2016, the site sition is ETRS89 0450139 4793388, Altitude 573.
de Nuncques Patrick et Simonnot Guy, 1989 (in Sol
le Plancher, no 4, 1989), repeated in Simonnot G, 2016. The grid reference and altitude are likely to have been taken off a 1:25000 map. The Fre
reference number for this site is SCD2011.

On the western side of a small rocky valley On the western side of a small rocky valley
above the last huts of Azuela. The site was above the last huts of Azu explored in October 1988 .
The shaft entrance, although imposing ( 30 The shaft entrance, although imposing ( 30 x
6 m ) is relatively hidden in the lapiaz and the thickets of trees. The higher edge gives a cliff of fifty meters. Opposite, a series of small steps in a corridor leads to "an enormous sloping stone drain" (translation?). At the bottom, a large north - south gallery is choked. Two narrower passages also close in.
The only possible point to re-examine would be the projection of the north-eastern branch in a narrow passage which would require climbing a few meters to push it The gallery seems to continue beyond that.

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Reference: Degouve de Nuncques Patrick et
``` Simonnot Guy, 1989 (survey); Simonnot G, 2016 ; Simonnot G, 2018
Entrance pictur Underground picture(s):

On the fold of Llaneces, two hundred metres
On the fold of Llaneces, two hundred metr
to the east of the path suitable for motor to the east of the path suitable for motor vehicles which reaches that point. Explorec
by the SSB in 1965 and the SCD in April by the SSB in 1965 and the S
1982 when it was surveyed. 1982 when it was surveyed. Two sections of short galleries are intersected with pitches (p14; p7; p11; p5) which drop down to -86 m and a large, inactive gallery which goes from southwest to northeast for nearly three hundred meters.
At the southwest end ( -98 ) crawls are usually occupied by very thick clay fillings. In the 2010, the narrow section at -98 m was excavated and passed into 145 m of passage, explored and surveyed in 2014.

Simonnot G, 2022 adds a couple of paragraphs "to be developed" Two floors of short galleries interspersed with shafts (P.14; P.7; P.11; P.5) end at 86 m in a large inactive gallery which
extends from northeast to southwest fol
nearly three hundred meters. At the south- west end \((-98 m)\) the unobstructed

\section*{1753: shaft (2015 (French:}
le Plancher, no 4, 1989), repeated in Simonnot G,
2016. The grid reference and altitude are likely to have been taken off a \(1: 25000\) map. The FFrench
reference number for this site is SCD2015.

In the small valley which goes up from Colorado in Hoyo del Ramon. Explored October 1988. Choked pit. The site was possibly revisited in October 2004 and described as a climb down into a choked rift about 8 m long

Reference: Degouve de Nuncques Patrick et Simonnot Guy, 1989; anon., 2004e (autumn logbook); Simonnot G, 2016; Simonnot G, 2018; Simonnot G, 2022
Entrance picture:
Underground picture(s): Underground pic Line survey: On area survey Survex file:

X
1754: Hoyo del Ramón, Torca del (2016 (French: SCD)) Arredondo 30T 4496484793241 (Datum: ETRS89 Accuracy code: M) Altitude 656 m Length 20 m Depth 15 m
Area position
Updated 6th November 2004; 1st July 2009; 13th October 2011; 11th February 2016; 24th September 2018; 17th November 2022

According to Simonnot G, 2016, the site position is ETRS89 04496394793238.

The information has been roughly translated from the French, Spéléo-Club de Dijon reference, Degouv de Nuncques Patrick et Simonnot Guy, 1989 (in Sou
le Plancher, no 4, 1989), repeated in Simonnot G, le Plancher, no 4, 1989), repeated in Simonnot
2016. The grid reference and altitude are likely tc have been taken off a 1:25000 map. The French reference number for this site is SCD2016. Right on the small col above Hoyo del
Ramón near to a small doline and within a hundred meters of a cavity marked VT185 Spanish colleagues. Explored October 1988
A descent of eight meters ends in a small chamber. An excavated section gives acces to a choked 5 m pitch
The cave was re-explored in October 2004 down 6 and 4 m climbs to a 5 m pitch that "needs excavating" at the top

SImonnot G, 2022 states, "After a second verification in July 2022 it seems that the verification in July 2022 it seems that th two numbers MCP 2211 and N correspond to a single cavity."
Site 2211 has been / will be re-allocated." Site 2211 has been / will be re-allocated." (Old) references for 2211 are anon., 20
(Easter \& summer); entrance picture

\section*{Reference: Degouve de Nuncques Patrick et
Simonnot Guy, 1898; anon., 2004e (autumn} logbook); anon., 2009b (Whit logbook); anon.,
2011d (summer logbook); Simonnot G, 2016; 2011d (summer logbook); Simonnot G
Simonnot G, 2018; Simonnot G, 2022 Smonnot G, 2018; Sim
Entrance picture: yes Underground picture(s):
Detailed survey: sketch from logbook Line survey: On area surve
Survex file:

\section*{x}

1755: shaft (2017 (French:

\section*{SCD)}

Arredondo 30T 4500984793491 (Datum: ETRS89 Accuracy code: M) Altitude 644 m Length 20 m Depth 20 m Area position

Updated 11th February 2016; 24th September 2018; 15th November 2022

According to Simonnot G, 2016, the site position is ETRS89 04500894793488

The information has been roughly translated from The information has been roughly translated from
the French, Spéléo-Club de Dijon reference, Degouve
de Nuncques Patrick et Simonnot Guy, 1989 (in Sous de Nuncques Patrick et Simonnot Guy, 1989 (in Sou 2016. The grid reference and altitude are likely to have been taken off a 1:25000 map. The Fren

On the small plateau above Torca de Azuela (site 1751). Explored October 1988. A 17 m pitch \((3 \times 2 \mathrm{~m})\) continues with a narrow section of three metres.

Reference: Degouve de Nuncques Patrick et Simonnot Guy, 1989; Simonnot G, 2016; Simonnot
G, 2018; Simonnot G, 2022 Entrance picture
Underground picture(s): Line survey: On area survey Survex file:

X
1756: resurgence (2018 (French: SCD) Accuracy code
Area position

MATIENZO UNDERGROUND - site descriptions (printed \(19002 / 202\) 04509854792425 altitude 305 m

The information has been roughly translated from the French, Spéléo-Club de Dijon from the French, Speleo-Club de Dijon reference, Degouve de Nuncques Patrick et
Simonnot Guy, 1989 (in Sous le Plancher, no 4, 1989), and from Simonnot G, 2016.
A small, impenetrable spring at the place called "Fuentes" in the Vallina valley (El Regatón) which sinks 50 m away in site 1757.

Reference: Degouve de Nuncques Patrick et Simonnot Guy, 1989; anon., 2009b (Whit logbook);
Simonnot G, 2016; Simonnot G, 2018; Simonnot G, 2022 Entrance picture
Underground picture(s) Detailed survey Line survey: On area surv
Survex file:

X
1757: Sumidero de Fuentes

\section*{(2019 (French: SCD)}

Arredondo 30T 4509764792422 (Datum: ETRS89 Accuracy code: G) Altitude 303 m Length 60m Depth 3 r Area position

Updated 1st July 2009; 11th February 2016; 24th September 2018; 15th November 2022; 21st September 2023

The information has been roughly translated from the French, Spéléo-Club de Dijon reference, Degouve de Nuncques Patrick et Simonnot Guy, 1989 (in Sous

In El Regatón valley. This sink of a few
meters (gallery \(1 \times 1\) ) seems to rise 20 m lower in a closed doline (SCD2020 / MCP3270). This latter site is a small resurgence yet to be explored. The water is lost again a few tens of meters further down in an impenetrable crack in a coalescent doline. Site 1757 was linked to site 3270 in 2011.

A water trace from here was detected at site 3278 after 5 days on \(3 / 6 / 2023\). (See Water Tracing Summary)
(Simonnot G, 2018 has a much shorter description)

Reference: Degouve de Nuncques Patrick et Simonnot Guy, 1989; anon., 2009b (Whit logbook); Simonnot G, 2016; Simonnot G, 2018; Simonnot 2022; anon., 2023c (summer logbook) Entrance picture:
Underground picture(s)
Detailed survey:
Detailed surv
Line survey:
Line survey:
On area surv
Survex file:

1758: Orbitolines, Cueva de (2022 (French: SCD) Accuracy cod
Length 10 m Area positio

Updated 11th February 2016; 30th September 2017; 24th September 2018; 15th November 2022

The information has been roughly translated from the French, Simonnot G, 2018.

At the edge of the Arredondo - Fuentes path.
A \(2 \times 2 \mathrm{~m}\) tube is quickly filled by a imposing, highly indurated fill which has been subjected to 5 m of excavation (2007 \& 2011). The cave is formed in limestones incorporating marly levels riddled with orbitolines. No airflow. Explored April 1987

Reference: Degouve de Nuncques Patrick et
Simonnot Guy, 1989; anon., 2009b (Whit logbook); Simonnot G, 2016; anon., 2017c (summer logbook); Simonnot G, 2018; Simonnot G, 2022 Entrance pictures: yes Underground pic
Detailed survey:

November 2022 de Nuncques Patrick et Simonnot Guy, 1989 (in
le Plancher, no 4, 1989). The French reference le Plancher, no 4, 1989). The Frer
number for this site is SCD2023).

To the south-east of Hoyo de Llaneces (site To the south-east of Hoyo de Llan
1752) and explored in April 1988. 1752) and explored in April 1988.
This abrupt collapse doline in the sandstone This abrupt collapse doline in the sandstones holds a luxuriante vegetation along the wall which obscures it. Animals maintain a path which goes down to the bottom where, under an overhang, there is natural feeding trough. No continuation was seen.

Simonnot G, 2022 gives a position of 30T 4524034792106 (ETRS89)

Reference: Degouve de Nuncques Patrick et Simonnot Guy, 1989; anon., 2009b (Whit logbook); Simonnot G, 2016; Simonnot G, 2018; Simonnot G 2022
Entrance picture:
Underground picture(s):
Detailed surv On area surve
Survex file:
\(x\)
1760: Blas, Torca de (3420

\section*{(French: SCD)}

Riva 30T 4528004793307 (Datum: ETRS89. Accuracy code: G) Altitude 405 m Length 1100 m Depth 157 m Area position

Updated 31st October 2007; 27th February 2018; 14th September 2021; 22nd June, 15th November 2022

A system discovered by the AEC Lobetum, and out of A system discovered by the AEC Lobetum, and out of
the current Matienzo Caves permit area. It may hav significance with regard to Cueva de Fuente de la Pila, Vallina, Torca de Portillejo de Tocornal or coquisera.

Valero Enrique y Soriano Ángel, 2007 has an area map showing the following sites: Rio Seco, Cueva Brazada, Torca de Blas, Cueva de La Pila, Cueva de Coquisera and Cueva del Coverón. The grid reference (30T 04528984793271 ) was originally taken from this (small scale) map
No description available. See survey links below. The reference below (Calar No 5, 2000. Federación Castellano-Manchega de Espeleologia) has a full survey but no description.

The survey in Valero Enrique y Soriano Ángel, 2007 is the same elevation shown Angel, 2007 is the same elevation shown
below. This publication has the length as 1050 m and also states that a passage in Torca de Blas ends very close to collapsed Torca de Blas ends very close
sediments in Cueva de La Pila.

The site could not be found at this location when the area was visited in February 2018 but in July 2021, the entrance was located, GPS'd and photographed. Reference: anon., 2000e; Corrin Juan, 2003b;
Valero Enrique y Soriano Ángel, 2007 (survey); León
García José 2010 (Volume 1 and Volume 2) Valero Enrique y Soriano Angel, 2007 (surve
García José, 2010 (Volume 1 and Volume 2) (survey); anon., 2018a (January / February logbook); anon., 20
Simonnot G, 2022
Simonnot G, 2022
Entrance picture: July 2021
Untrance picture: July 2021
Detailed survey: plan elevation (both from anon. 2000e: Calar No 5, 2000. Federación CastellanoManchega de Espeleologia)
Line survey:
Line survey:
On area survey
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Survex file: Reconstructed from the 2000 survey

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1761: shaft
S Vega 30T 4501404794540 (Datum: ETRS89 Accuracy code: G) Altitude 473 m Length 11 m Depth 11 m Area position

A draughting shaft with an impossibly tight meander leading off at the bottom. The shaft was originally positioned wrongly, shaft was originally positioned wrongly
causing some confusion as site 1876 .

Reference: pers comm (email 13/5/02); anon.,
2003 b (Easter logbook); anon., 2003d (autumn 2003b (Ea
Entrance picture: yes boulder-covered
Entrance picture: yes bo
Underground picture(s):
Detailed survey:
Detailed surve
Line survey: On area surve Survex file:
x
1762: CM-2, Sima
Mullir 30T 4553884796031 (Datum: ETRS89 (608m) Area position
explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong wh
plotted on 1:5000 maps. (This site also appears to have the same grid reference as appears to have the sam
site 1763 - Sima CM-3.)
In the summer 2002, nothing was found at In the summer 2002, nothing was found a the grid reference. However, 30 m SW
small shaft labelled \(C M\) in green paint.

A 4 m diameter entrance leads onto a pitch A 4 m diameter entrance leads onto a pitch of 33 m .

Reference: SEAD website; file; anon., 2002b (summer logbook
Entrance picture: on the SEAD website Underground picture(s) Detailed survey: elevation on the SEAD website
Dine survey: On area survey Survex file: explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on \(1: 5000\) maps. (This site also appears to have the same grid reference as site 1762 - Sima CM-2.)
In the summer 2002, nothing was found at the grid reference. However, 30 m SW is a small shaft labelled CM in green paint.

A 1.5 m diameter entrance leads onto a pitch of 51 m . A tight 3 m pitch opens onto a 41 m shaft.

Reference: SEAD website; file; anon., 2002b (summer logbook
Entrance picture: on the SEAD website Entrance picture: on the
Underground picture(s):
Detailed survey: elevation on the SEAD website
Des Line survey: On area survey Survex file

1764: CM-4, Sima
Mullir 30T 4552884795921 (Datum: ETRS89. Mullir 30T 4552884795921 (Datum: ETRS8
Accuracy code: M) Altitude \(660 \mathrm{~m}(636 \mathrm{~m})\) Accuracy code: MAt
Length 10 m Depth 8 m Area position

Updated 3rd November 2002
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps
There appears to be a CM label in the vague vacinity of the grid reference.

A small entrance is the top of an 8 m pitch.
Reference: SEAD
(summer logbook
Entrance picture: on the SEAD website Underground picture(s):
Detailed survey:
Detailed survey: elevation on the SEAD website Line survey: On area surv
Survex file:

\section*{1765: CM-5, Sima}

Mullir 30 T 4551864795954 (Datum: ETRS89 Accuracy code: G) Altitude 664 m Area position

Updated 3rd November 2002
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude is wrong when plotted on 1:5000 maps. In the summer 2002, the labelled maps. In the summer 2002, the labelled entrance was found some 200m away from the original grid reference (VN5517(7)9599(0) Alt 755 m ).

A 2 m diameter entrance is the top of a 28 m pitch. The bottom half of the pitch apparently gives a soaking.
Reference: SEAD website; file; anon., 2002b (summer logbook) Entrance picture: on the SEAD website; entrance video Detailed survey: Line survey:

\section*{1766: CM-6, Sima} Accuracy code: G) Altitude 730 m Length 130 m Depth 119 m Area position

Updated 18th January 2011 This site is described on the web site of the
Sociedad Espeleológica Alto Duero who have Sociedad Espeleológica Alto Duero who have
explored it. It would appear that the explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps.

A 9 m long rift is a pitch of 17 m . A ramp descends to a choke but at the top is the head of a 55 m pitch. At the base, 2 small, 1 m diameter tubes lead onto the continuation and another pitch of nearly 59 m . This appears to add up to 130 m and not the indicated 119 m .

Reference: SEAD website; file; León García José,
2010 (Volume 1 and Volume 2) (survey and photos) Entrance picture: on the SEAD website Underground picture(s): Detailed survey: elevation on the SEAD website
elevation from León Garcia elevation from León García José, 2010 (Volume 1 and Volume 2). (Cantabria Subterránea. Catálogo Grandes Cavid On area survey Survex file:
x

\section*{1767: CM-7, Sima}

Mullir 30T 4551684795671 (Datum: ETRS89 Accuracy code: M) Altitude 757 m Length 30 m Depth 27 n Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who hav explored it. It would appear that the ntrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps.

A 20 m diameter entrance has the first pitch of 10 m which leads immediately onto the second, choked pitch of 17 m . About 10 m down the final pitch there is a window onto a small parallel shaft of 7 m .

Reference: SEAD website; file
Entrance picture: on the SEAD website Entrance picture: on the
Detailed survey: elevation on the SEAD website Line survey: On area sur
Survex file:

\section*{x}

1768: CR-2, Sima
San Miguel 30T 4561974796640 (Datum: ETRS89 San Miguel 30T 4561974796640
Accuracy code: G) Altitude 325 m Length 13 m Depth 9 m Area position

Updated 16th April 2008
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the explored it. It would appear that the
entrance has been located with GPS but the entrance has been located with GPS but the
position and altitude [VN5629(3)9683(2) Alt position and altit
333 m ] is wrong.

The \(1 \times 1.5 \mathrm{~m}\) entrance lies at the side of a path and leads onto a small ramp and a 9 m pitch

Reference: SEAD website; file; anon., 2008c (Easter logbook)
Entrance picture: on the SEAD website; yes Underground picture(s): Detailed survey: elevation on the SEAD website On area survey Survex file:

X
1769: CR-4, Sima
San Miguel 30T 4563584796491 (Datum: ETRS89 Accuracy code: M) Altitude 372 m ( 312 m ) Length 16 m Depth 16 m
Area position
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps.

The \(2 \times 1 \mathrm{~m}\) entrance is the top of a 16 m pitch. A small aven goes up to one side at the bottom.

Reference: SEAD website; file
Entrance picture: on the SEAD website Underground picture(s): Detailed survey: elevation on the SEAD website Line survey: On area surve

1770: CR-5, Sima

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps
The \(3 \times 2.5 \mathrm{~m}\) entrance is the first pitch of 16 m . A 5 m pitch at the bottom chokes.

Reference: SEAD website; file
Reference: SEAD website; file
Entrance picture: on the SEAD website Underground picture(s):
Detailed survey: elevation on the SEAD website Line survey: On area sur:
Survex file:

\section*{1771: CR-6, Sima}

San Miguel 30T 4561784796291 (Datum: ETRS89. Accuracy code: M) Altitude 417 m

\section*{Length 17 m Depth 17 m} Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS

The single pitch has a \(4.7 \times 2.5 \mathrm{~m}\) top.
Reference: SEAD website; file

\section*{1772: CR-8, Sima}

\section*{San Miguel 30T 4562484796361 (Datum: ETRS89.} Length 15 m Depth 15 m Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps

A single pitch of 15 m entered through a 1 x 1 m aperture

Reference: SEAD website; file
Entrance picture: on the
Underground picture(s):
Detailed survey: elevation on the SEAD website Line survey: On area sur
Survex file:

\section*{1773: CR-9, Sima}

San Miguel 30T 4562484796341 (Datum: ETRS89. Accuracy code. M) Altitude 385 m ( 390 m ) Length 30 m Depth 27 m Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the
entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps.

The shaft top is \(4 \times 3 \mathrm{~m}\). The shaft drops 27 m to a floor and a aven off to one side.

Reference: SEAD website; file
Entrance picture: on the SEAD website
Underground picture(s):
Detailed survey: elevation on the SEAD website Line survey:
On area survey
Survex file

\section*{1774: M-8, Sima (M8)}

Muela 30T 4543784796321 (Datum: ETRS89. Accuracy code: M) Altitud
Length 50 m Depth 44 m Area position

Updated 3rd March 2020
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have Sociedad Espeleológica Alto Duero who have explored it. It would appear that th exp has been located with GPS but altitude (in brackets above) is wrong when plotted on 1:5000 maps

The 1.5 m diameter shaft is 3 m deep and lands on a small ramp to the head of a 41 m pitch. This is divided in \(8 \mathrm{~m}, 21 \mathrm{~m}\) and 12 m sections. The last part has another parallel shaft of the same dimensions.

It was possibly seen in February 2020 with a grid
reference of 04543714796351.
Reference: SEAD website; file; anon., 2020a (January, February logbook) Entrance picture: Underground picture(s): Detailed survey: elevation on the SEAD website Line survey: On area surve
Survex file:

X

\section*{1775: shaft}

\section*{Enaso below shaft 1295}
No description yet.

Reference: pers comm
Entrance picture: yes Underground picture(s): Detailed surve On area surve On area surv
Survex file:

\section*{1776: Lorry Pot}

Las Calzadillas 30 T 4489484795785 (Datum: ETRS89. Accuracy code: G) Altitude 440 m Area position
Updated 10th February 2020; 11th September 2022

A shaft with a lorry in it. Yet to be explored.
The lorry had slipped down about 5m with rubbish on top when seen in August 2022.

Reference: pers comm; anon., 2020a (January, February logbook); anon., 2022c (summer logbook) Entrance picture: 2003 and 2019
Underground picture(s): Detailed survey: Line survey: On area surve Survex file:

\section*{1777: M-32, Sima (M32)} Muela 30T 4545584795881 (Datum: ETRS89. Accuracy code: M) Altitude 742 m ( 724 m ) Length 19 m Depth 19 m Area position

\section*{Updated 3rd November 2002}

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps.
An entrance of \(1.5 \times 1.8 \mathrm{~m}\) opens out onto a choked 19 m pitch. This could be the p50ft mentioned in anon., 1977b - the 1977 logbook (3/8/77).

Reference: SEAD website; file; anon., 1977b Reference: SEAD website; file; anon.,
Entrance picture: on the SEAD website Underground picture(s): Detailed survey: elevation on the SEAD website Line survey: On area survey Survex file:

X
1778: M-39, Sima (M39)
Mullir 30T 4555484795741 (Datum: ETRS89 Accuracy code: M) Altitude \(663 \mathrm{~m}(480 \mathrm{~m})\) Length 23m Depth 23 m Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the explored it. It would appear that the
entrance has been located with GPS but the entrance has been located with GPS but the
altitude (in brackets above) is wrong when plotted on 1:5000 maps.

An entrance of \(5 \times 2 \mathrm{~m}\) is the top of a 23 m choked pitch.

Reference: SEAD website; file
Entrance picture: on the SEAD website Underground picture(s):
Detailed survey: elevation on the SEAD website Line survey: On area survey Survex file:
x
1779: M-40, Sima (M40)
Mullir 30T 455648 4796291 (Datum: ETRS89 Accuracy code: M) Altitude 538 m ( 540 m ) Length 25 m Depth 23 m

\section*{Area position}

Updated 3rd November 2002
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps.

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\hline
\end{tabular}

An entrance of \(5 \times 2.5 \mathrm{~m}\) is the top of a 21 m pitch. A short climb down reaches the depth of 23 m . The site was not found at the stated grid reference in summer 2002.

Reference: SEAD website; file; anon., 2002b
(summer logbook)
Entrance picture: on the SEAD website Entrance picture: on the
Underground picture(s)

\section*{1780: M-41, Sima (M41)}

Mullir 30T 4559984795641 (Datum: ETRS89 Mullir 30T 4559984795641 (Datum: ETRS Length 35 m Depth 31 m Area position

Updated 3rd October 2008
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the explored it. It would appear that the entrance has been located with GPS but the altude (in brackets above) is wrong when lotted on 1:5000 maps
The entrance has dimensions of \(5 \times 2 \mathrm{~m}\). The entrance pitch drops straight down 28 m . At the base a further climb down of 3 m chokes. It could be that the entrance has been covered over by the track building in 2007/2008, although this is unlikely given the dimensions of the entrance.

Reference: SEAD website; file; anon., 2008 e Reference: SEAD website; file; anon.
(summer logbook); Corrin Juan, 2009 Entrance picture: on the SEAD website possibly (2008)

Underground picture(s):
Detailed survey: elevation on the SEAD website Line survey:
On area sur On area sur
Survex file:
X

1781: M-42, Sima (M42)
Mullir 30T 4558484795721 (Datum: ETRS89 Accuracy code: M) Altitude 550 m ( 590 m ) Length 28 m Depth 28 m Area position

Updated 16th June 2002
This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps. This is site 1066 which would now appear to be in the wrong place - this would also mean that sites \(1065,1067,1069\) and 1071 are also likely to be wrongly placed.

A big open pitch of 28 m depth. There appears to be a bridge across the shaft.

Reference: SEAD website; file
Entrance picture: on the SEAD website Underground picture(s): Detailed survey: elevation on the SEAD website Line survey: Survex file:

\section*{X}

1782: M-47A, Sima (M47A) Mullir 30T 4553984795391 (Datum: ETRS8
Accuracy code: M) Altitude 718 m ( 725 m ) Accuracy code: M) Altitu
Length 40 m Depth 40 m Length 40 m
Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have explored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong wher plotted on 1:5000 maps. This site also has the same grid reference to site 1783 and 1784.

The \(10 \times 8 \mathrm{~m}\) entrance narrows into a 40 m pitch.

Reference: SEAD website; file
Entrance picture: on the SEAD website
Underground picture(s)
Detailed survey: elevation on the SEAD website Line survey:
On area surve On area survey: Survex file

1783: M-47B, Sima (M47B) Mullir 30T 4553984795391 (Datum: ETRS89 Mullir 30 T 4553984795391 (Datum: ETRS Length 50 m Depth 46 m Area position

This site is close to 1782 and is a large pitch, some 35 m long \(\times 12 \mathrm{~m}\) wide which drops to a 46 m pitch at the southern end

Reference: SEAD website; fil Entrance picture: on the SEAD website Entrance picture: on the
Underground picture(s): Detailed survey: elevation on the SEAD website Line survey: On area surve Survex file:
X
1784: M-48, Sima (M48)
Mullir 30T 4553984795391 (Datum: ETRS89
Accuracy code: M) Altitude 718 m ( 725 m )
Length 35 m Depth 31 m
Area position

This site is described on the web site of the Sociedad Espeleológica Alto Duero who have Sociedad Espeleologica Alto Duero who have xplored it. It would appear that the entrance has been located with GPS but the altitude (in brackets above) is wrong when plotted on 1:5000 maps. This site also has the same grid reference to site 1782 and 1783.
\(10 \times 5 \mathrm{~m}\) entrance is a 22 m pitch. At the base another pitch drops 9 m to a choke.

Reference: SEAD website; file
Entrance picture: on the SEAD website Underground picture(s): Detailed survey: elevation on the SEAD website Line survey: On area survey Survex file: X
1785: shaft
Las Calzadillas 30 T 4487164796075 (Datum ETRS89. Accuracy code: G) Altitude 541 m Length 10 m Depth 8 m Area position

Updated 14th May 2011
A fenced shaft which chokes at the base of an 8 m pitch lined with some decaying calcite.

Reference: anon., 2011a (January, February Togbook); anon., 2011
Logbook: 21/01/11
Entrance pictures : yes
Underground picture(s): yes Detailed Survey Line Survey On area surve Survex file

1786: Pilón, Torca El (Tora Bora)
Llueva 30T 4552384796801 (Datum: ETRS89 Accuracy code: M) Altitude 438 m Length 15 m Depth 10 m Area position

Updated 20th September 2014
An obvious walk-in entrance behind the farm house. Steps lead down into a small chamber with evidence of extensive use, e.g. remains of a wooden floor and domestic rubbish. On the left, a 9m shaft drops straight to a choke which contains 3 decayed rifles and ammunition.

Reference: anon., 2002b (summer logbook); Corrin Reference: anon., 2002b (sum
Juan, 2003b; Smith Peter 2012 Entrance picture: yes video of the surroundings and entrance Underground picture(s): vide of bottom of pitch
Detailed survey: Line survey: Line survey Survex file: X
1787: sink
Riaño 30T 4529684799571 (Datum: ETRS89 Accuracy code: M) Altitude 318 m
Area position

A sink in a valley which could be a feeder for site 1666 / 1617

Reference: anon., 2002b (summer logbook); Corrin Reference:
Entrance picture
Underground picture(s):
Detailed surve
Line survey:
On area surve
Survex file
X
1788: sink
Riaño 30T 4529484799631 (Datum: ETRS89 Accuracy code
Area position feeder for site 1666 / 1617

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\section*{Reference:
Juan, 2003b}

\section*{1789: sink}

Riaño 30T 4525684799701 (Datum: ETRS89. Accuracy code: M) Altitude 250 m
Accuracy code
Area position
Updated 26th September 2012
A sink at the end of a dry valley that takes a lot of water in wet weather. Choked with mud and branches with a "plug hole". The position was thought to be incorrect in 2012 but that would place it on the other side of a building. It is possible that this has been building. It is possible that this
covered over. (See site 3727 ). Reference: anon., 2002b (summer logbook); Corrin
Juan, 2003b; anon., 2012d (summer logbook) Juan, 2003b; anon., 2012
Entrance picture:
Underground picture(s)

\section*{1791: shaft}

Fuente las Varas 30 T 4532974799549 (Datum: ETRS89. Accuracy code: G) Altitude 440 m Length 5 m Depth 5 m Area position

The excavated entrance is the top of straight, choked 5 m shaft.

\section*{1793: shaf}

An undescended 5 m deep shaft covered with rocks.

Reference: anon., 2002b (summer logbook); Corrin Juan, 2003b Entrance picture
Underground picture(s):
Detailed surv
On area surve
Survex file:
x

\section*{1795: shaft}

Muela 30T 454230 4796281 (Datum: ETRS89. Accuracy code: G) Altitude 721 m
Depth 8 m
Depth 8 m

\section*{Area position}

Updated 6th October 2006; 7th May 2022
An 8 m deep shaft covered with a single boulder. The shaft is too small to descend beyond the first pitch but a chamber is visible below.
When seen in April 2022, it was declared a tiny hole of no interest whatsoever!"

Reference: anon., 2002b (summer logbook); Corrin Reference: anon., 2002b (summer logbook);
Juan, 2003b; anon., 2006d (summer logbook); Juan, 2003., 2022b (Easter logbook)
Entrance picture: 2006 and 2022 Underground picture(s): 2006 Detailed surve Line survey: On area survey:
Survex file:

X
1796: shaft
Muela 30T 4541474796354 (Datum: ETRS89. Accuracy code: G) Altitude 700 m Length 4 m Depth 4 m Area position

Updated 6th October 2006
An \(4 m\) deep shaft covered with rocks, ending at a flat base 3 m across.

Reference: anon., 2002b (summer logbook); Corrin Reference: anon., 2002b (summer logbook); C
Juan, 2003b; anon., 2006d (summer logbook) Juan, 2003b; anon.,
Entrance picture:
Underground picture(s): yes
Detailed surve
Line survey:
On area survey:
Survex file:
Survex file
x

\section*{1797: shaft}

Muela 30T 4541354796489 (Datum: ETRS89. Muela \(30 T 4541354796489\) (Datur
Accuracy code: G) Altitude 681 m
Length 16 m Depth 11 m
Area position
Updated 6th October 2006
On the top edge of a cliff line. An 11m deep shaft covered with rocks. About 2.5 m down is a small chamber with stal 0.75 m long and is a small chamber with sta
the base is 4.3 m diameter.

Reference: anon., 2002b (summer logbook); Corrin Juan, 2003b; anon., 2006d (summer logbook) Entrance picture: Underground picture(s): yes Line survey: On area survey Survex file:
x
1798: shaft
Mullir 30T 4555984796311 (Datum: ETRS89 Accuracy code: M) Altitude 550 m Depth 10 m

An undescended 10 m deep shaft.
Reference: anon., 2002b (summer logbook); Corrin
Juan, 2003b Juan, 2003b
Entrance picture:
Underground picture(s)
Underground pic
Detailed survey:
Line survey:
On area survey:
Survex file:
x
1799: shaft
Riaño 30T 4520894799958 (Datum: ETRS89
Accuracy code: G) Altitude 172 m
Length 2 m D
Area position
Updated 20th May 2006
A small \(2 m\) deep hole with a possible way on under the right hand wall.

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Reference: anon., 2002b (summer logbook); Corrin
Juan, 2003b; anon., 2006b (Easter logbook)
Juan, 2003b; anon.,
Underground picture: yes
Detailed survey
Line survey
On area sur
On area sur:
Survex file:

1800: Fridge Door Cave
Riaño 30T 4511624800782 (Datum: ETRS89 Accuracy code: G) Altitude 118 m Length included in the 4 Valleys System Vertical range \(-17 \mathrm{~m}+20 \mathrm{~m}\)
Sth-8th November 2023

Fridge Door Cave was joined to, and became the 16th entrance to the Four Valleys System (0107), when a dig in Cueva Llanío (3234) broke through on 5th April, 2023. The length of Fridge Door Cave before then was 1248 m . With this extension and other finds at Easter 2023, the length of the other finds at Easter 2023, the length of th Four Valleys System grew from just over 70 km to 71666 m . (The extra survey ( 23 m ) from Llanío ending at 3234-23-01.1
connected at station 1800-22-06.81 in FDC).
There was further activity in this area in the summer 2023. The Boob Tube (5000) entrance to Fridge Door Cave was opened up on July 22nd to become the 17th entrance into the Four Valleys System. It is now the favoured entrance to Fridge Door Cave as it involves no diving and an easy route to the far north of the cave. Vaca Bypass (5368, opened up after a short dig) was also linked into Fridge Door Cave at the downstream end of sump 2. This is not a favoured entrance although there are still leads in Vaca Bypass to pursue. Vaca Bypass became the 18th entrance to the Four Valleys System.

An excavated shaft top (enlarged in July 2018), just up from the track, is covered with a fridge door. The ladder is best rigged from the tree as this puts the ladder in the middle of the entrance. A previous GPS reading is VP5126(0)0098(8) Altitude 130 m . The current position is the result of a surface survey.

A 6 m shaft descends to a pool. The pitch was re-explored during very dry weather ir October 2013. On this occasion the cave was found to drop into a stream passage generally \(3-4 \mathrm{~m}\) in diameter with a small flow of water, leading after 130 m to an upstream sump. The water level was lowered by 5 cm in October 2014. A climb at the sump leads to tubes. The main passage contains deep mud, and is largely sumped in wetter mud, and

Some draughting passages around the Some draughting passages around th
base of the pitch may warrant a further base of the pitch may warrant a further
visit, one was connected to a climb from the visit, one w treamway
The downstream end (near the entrance), should be the feeder to Cueva Espada A dead goat prevented entry in Apri 2014. The body disintegrated, spilling out maggots and entrails when an attempt was made to remove it. It had disappeared 6 months later.
At Easter 2016, when water levels were high, the site was investigated by Jim Lister (video):
- downstream - taking a lot of water, blocked by boulders
- upstream - left hand side pool is blank after 2 m .
- upstream - under the way in, dived for 7 m (duck leading to dry passage in summer) The diver turned around as believed Bunnies and Beer passage sumped to the roof.

Intensive diving work took place over July and August 2016. The upstream sump was dived and surveyed by Jim Lister past a couple of airbells to a chamber where an inlet trickles in and a possible route required capping. Colin Hayward subsequently inspected an underwater arch on the right near the end of the sump. At the moment this is too low over a large silt bank. The upstream passage seems to be heading away from Cueva Llanío and under the ridge. However, water may be coming ir from Cueva Llanio or further afield, eg site 3451.

On the single trip in August 2017, Jim Lister capped out the "possible route" constriction beyond the sump and continued upstream for 31 m where another sump was met (sketch survey
Despite 2018 having a dry summer, the route upstream from the base of the ladder
\(\qquad\) Volume 3 - page 44
remained completely flooded, thwarting
dives at the "usual" sump. (It may be dives at the "usual" sump. (It may be
possible to lower the downstream stream bed by digging at the back end (upstream) in Cueva Espada.

A major breakthrough was made by Jim Lister in April 2022 when, over a couple of trips, 589 m of passages were surveyed ncluding a high level that headed back to the entrance and a draughting dig that corresponded to a dig in Cueva Llanío. The following account has been extracted from longer logbook entries made by Jim over his initial preparations, dives and passage exploration. Further information has been added from logbook accounts of two trips
(13th and 15th August 2022) by Jim and Mark "Killer" Smith.

\section*{Preparation}

Silt screws have been placed at appropriate distances along the initial passage so that a guide line can be installed in case of flooding! (The passage floods to the roof and is 100 meters long approximately.) Digging out the line was required in sump 1 as it was buried in mud banks. Two eels were encountered in the sump although they could only be seen for short time due to the silt causing very poor
visibility. isibility.
The dive base was reached and, taking my mask and reel, I headed towards sump
2. There is a slot and possible climb up into 2. There is a slot and possible climb up into
a continuation in the roof with a good echo above where, all those years ago, I capped my way into the continuation. I squeezed through the capped bit and climbed down 12 ft , to the bottom and looked for the way on which looked different to how I remember it I tied off the dive line and ducked under several arches until there was no obvious way on except for below water, which was was tied off to a good anchor point (eye hole) in the roof

\section*{14th April 2022}

Dived sump 1, with survey kit and haul cord, survival bag etc. Transported kit to sump 2, not easy as it needs carrying up climb, taking through capped squeeze and down the free climb on the other side. I took one 300 bar seven litre cylinder through firs and brought it back as a test as I was not sure if it could be done and did not want to get stuck beyond sump 1 !
Sump two dived, with the two 7 litre cylinders, no visibility most the time by feel. with big soft silt banks, some arches, a few bends. A quarter of the way through I found a nice eye hole in the roof to tie the guide a nice eye hole in the roof to tie the guide
line to, which was reassuring! I placed 4 silt screws in, one of which is on a sharp right hand bend, hopefully it will not cause unaware divers a problem with their legs going under the line and their fins snagging Another silt screw was placed and the diver passed under another arch before meeting a steeply ascending mud slope that lead to
surface in a large chamber. surface in a large chamber.
Another silt screw was set into the steeply ascending mud slope and the guide line was tied off. The passage was extremely wide with a steep mud bank in front, with what appeared to be two passages leading off at the top, behind the diver behind the sump pool appeared to be a large alcove - possib a big passage?

The passage in front, on the left is 3 m wide by 3 m high, with a small dried up stream bed along the middle and firm mud banks sloping up along the sides. (Very simular to the passage leading from the entrance to sump 1.) This passage was followed till it was partially blocked by a boulder choke, with what appeared to be boulder choke,
passage above?

The choke was passed easily and the passage was followed until eventually a side passage on the left was encountered. This was followed to an aven with a 2 m blind, pc
below. Above the aven appears to be blind but a large slot looks very exciting with wha
looks like a chamber or large passage ooks like a chamber or large passage.
Back at the main passage this continues to a sloping mud floor which falls away dow to a long, low duck. This was passed in the summer. (Survey batch 22-04; stations 36 62) leading up a sandy slope to a Tjunction. Left went back down into the streamway which led quickly to Sump 3. Right led up a sandy passage that led to a cross rift with a high roof. Right hand route followed to in reasonably wide passage over calcite boulder climbs before ending in a continued with small stream and ended with a mud choke in the floor with the way on looking like a climb requiring equipment.
At the dive base, the diver waded across the sump 2 pool and, after several attempts and the construction of an improvised foot
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loop made from spare dive line, was able to
climb up from the water to the bottom of an ascending mud ramp. The steep ramp leveled out and the mud changed to clay and then to sand.

The line was belayed to silt screws, which were sank into the deep clay banks, found on the passage sides, Much smaller 3 litre, 300 bar cylinders were used. Sump 1 was passed and the awkward climb up to the capped crawl and down the other side was completed. The visibility in sump 2 was zero so no attempt was made to survey it. The tags on the guide line were counted and confirmed sump two is only 55 meters long The last survey point from the previous trip was the silt screw at the edge of the sump pool, 1800-22-02.27. This was used for the start of the Sandy Passage survey and nominated as station zeror was surveyed through the change to sand continuing southeast to Stalagmite Junction.

The left hand passage was explored first as it was thought most likely to be heading towards Llanío. The passage was surveyed
as it was explored. A hole in the floor where as it was explored. A hole in the floor whe
a small stream sinks (impenetrable) was a small stream sinks (impenetrable) was
encountered and named the Bear Pit. It's encountered and named the Bear Pit. It's
only 1.5 meters deep and a few meters long only 1.5 meters deep and a few meters lon
and is best passed on the right hand side. Just passed the Bear Pit is a small inlet passage on the left (station 22-03.19) with a small amount of water running from it. A further 15 m along the passage stalamites can be seen on the roof and a slight bank of calsite acts as platform for some stalagmites. Behind them a large passage can be partly seen, behind a rock arch with a shaft in front with steeply, well decora sloping sides! The end of survey in this passage, station 1800-22-03.21. In Augus 22, the Jaws of the Shark pitch wa explored and found to be blind.

Returning to Stalagmite Junction, the survey and exploration continued! Turning right the passage / chamber drops down a on and then gently meanders right and th on and then gently meanders right and then
left. It then reduces in size to a passage of a ew meters wide, before then opening up into a mud floored chamber with a steeply sloping floor - Mud Slope Chamber. Down slope, the chanber ends in a passage which descends down a very steep twisting passage, 2 m by 3 m dimensions. This was explored in the summer for about 25 m ding in a mud choke. (Batch 22-07) To the left the chamber continues up (smooth round roof with cracked mud/ "Buttercup (Daisy?) and Stitch" is encountered. A big alcove is passed on the left, then well-proportioned unexplored passage is also passed on the left. (Station Exploration from station 33 occurred in e summer, 2022 as an ascending branch which led to a chamber with some unusual whirlpool features and "stick men" symbols before ending in a chamber with two ways on - a flat out crawl dug by MS leading to a steeply descending tight crawl. The other route was above and was an ascending crawl with slabs which were dug by J Passageway got smaller but continues and could be easily dug. The MS route (station 22-06.82) seems to be a mere 4.8 m away The main passage then changes and becomes "vadose", a very comfortable 2.5 m wide at the bottom which has a sandy flat floor. A chamber is reached with unexplored passages leading off on both sides, the left hand being " Vadose" and of simular proportions as the main passage (late connected through to Stairway to Heaven), the right hand side passage is a high thin slot that also warrants future MATIENZO UNDERGROUND site descriptions (printed 1902020 Volume 3 - page 46 yet another chamber is met, this time with and one on the right. A mud choked passag is then passed on the left (possible dig) and then a tight crawl on the right with some stalagmites on the roof

The cave then splits into three: the right The cave then splits into three: the right
hand passage becomes a wide, stooping size passage which was left because of the delicate stal on the roof; the left hand side goes up a slope and splits into two - the right hand side continues for 7 m and rejoins
the righthand passage with the stal the righthand passage with the stal mentioned earlier; the far left passage which is smaller \(2 \times 2 \mathrm{~m}\), with calcite floor. Thi continues steeply upwards, and is called Stairway to Heaven.
Back at the previous junction, the main passage continues and a passage / passages
on the left emit a draft (station \(22-03.62\), is郎 in point here). This is now the best place to continue in this direction - the altitude is the same as the car park infront of the the farmhouse) as the continuing "main passage" eventually ends in a large, mud / clay run-in choke (altitude 122 m , 15 m below the surface)
Going back to Stairway to Heaven passage, this continues to a junction. A narrow, twisting passage here ends after a few metres in a round chamber with no way ff. A route to the north leads back down to Ariadne Passage
Stairway to Heaven eventually becomes cramble up brown calcite to a wide low slot, with a few short dumpy stalagmites in it. In the summer '22, this was easily passe into a large chamber with a good echo. Roots and surface insects were noted in this chamber. At the top of the chamber, left led to a low passageway where a tree root was spotted (near station 22-06.93). Right led to a large walking sized passageway. Upon noticing the floor moving it was realized thi passageway was the top of a rift heading down some distance. There were a few hole in the floor but a rope and bolting kit would be needed for descent.

Station 22-06.93 was fixed by subphone (15/8/2022) and found be (after consulting the satellite photo) at 30 T 04513104800848 - some 35 m away from the original position, but only a couple of the original position, but only a couple of metres from the surface. A likely second entrance dig site is a few metres downhill,
under a limestone roof. One exploratory dri down in the autumn 2022 found about down in the autumn 2022 found about a metre depth of soil. (The centre line shows station 93 a couple of metres distant shows station 93 a couple of metres
a consequence of trying to lose the significant survey error in the unsurveyed sump 2.) See "Summer and autumn 2023" below

Note: Correction fluid used to mark tations and waterproof paper tags.

Work at Easter 2023 (See survey 1800-2023e-01.pdf)
The cave was connected to Cueva Llanío on 5th April (when station 81 was seen) then further enlarged to allow a full team A team also visited on the 8th.
A team also visited on the 8th.
(i) The route beyond Jaws of the Shark (i) The route beyond Jaws of the Shark
was rigged with a traverse line. A climb was rigged with a traverse line. A clim
down (p5) entered a small, excavated down (p5) entered a small, excavate passage that could be pushed with a
hammer. The end, up a slope at station \(23-\) 01.4 is close to station 3234-10-11.27 in Llanío. The latter lies 18 m above and 13 m horizontally away from 01.4 at a bearing of \(135^{\circ}\).
(ii) A line was installed down the slope and across sump 2 making the crossing to the northern passages rather easier.
(iii) The large void was noted before the duck to the north of the sump 2 pool. There was some doubt as to the location of the void - in the choke or where marked on the survey at station 22-02.0.
(iv) Many photos were taken on both the 6th (v) A pitch dropped at the end of Ariadne was dropped but became too small. (vi) Other possibilities for digging out to the surface noted in the southern-most passage running parallel to, and just under, the hillside. This was extended to depth in the hillside. This was extended to depth in the
autumn 2023, see description (v) below.

Work in the summer and autumn 2023 See survey below)
After a relatively small amount of digging close to station 22-06.93, which had been previously sub-phoned, a hole was made big enough for cavers to exit. The new entrance, Boob Tube (5000), was later provided with a short length of drainage tube (foamed, pinned and cemented in place), push-off steps in the roof at the place), push-off steps in the roof at the
bottom of the tube and a lid to keep animals out. See 5000 for more details. (i) Vaca Bypass (5368) was opened up and

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connected just downstream of the sump 2 dive line. See 5368 for more details.
(ii) The new Boob Tube entrance was used for all of the exploration carried out after 22 nd July. To the north, before sump 3, a climb up at station 22-02.0 enters high level passages heading back towards sump 2 and
a draughting route northeast through Stone Eye Passage (batch 23-02), down a p6 (to Eye Passage (batch 23-02), down a p6 (to
the downstream end of sump 3) and a ropethe downstream end of sump protected climb up to the easterly
continuation. The route continues through continuation. The route continues through
Matienzo Hash House Harriers, where a Matienzo Hash House Harriers, where a
sloping inlet rises to the south from station sloping inlet rises to the south from st
\(23-03.6\) (batch \(23-05\) ), then into the bouldery Diamonds in the Sky where stal are seen 20 m up. In this chamber, a slope down to the north meets a small passage
with a small stream which sumps up and with a smalls
down stream.

Continuing east ( \(\mathbf{O n} \mathbf{O n}\) ), a handline is required in a rift and water enters from an aven. A hands-and-knees crawl continues above the rift and leads to a complex chamber (around 23-3.27) with several ways on. A climb back up to the west enters On On (Upper level) that ends at a climb down (requires tackle) into Diamonds in the Sky. When explored in October 2023 it was thought that a roped climb up into the upper level would be an easier route than On On Part way along this upper level (at station 23-07.8), a small route sets off to the north, then east, becoming progressively larger as
a sandy-floored tube. The Crown Prince of a sandy-floored tube. The Crown Prince of
Denmark's New Clothes has a number of Denmark's New Clothes has a number of
unpushed side passages and exploration has unpushed side passages and exploration has
currently stopped at a sloping chamber with a tall mud run-in. The route continues on the other side.

The straightahead route from the complex chamber is draughting and has a few helictites. (batch 23-03) The draughting
route continues east and south, up a roped 3.5 m climb, and continues to station 23 04.16, beyond a a crawl under possibly loose boulders to a probably blind p6. A bolt has been put on each side of the pitch for a line but the calcite bridge on the side seems stable enough. Stal in the Stal Garden, were smashed to gain entry to a strongly
draughting low passage. This is batch 23 08, Low in Knickers and it has several flat out crawls with a number of side passages. This route was first entered in the autumn 2023, but not pushed to any conclusions The summer 23 exploration at the north
end of FDC added 491 m to the length; the end of FDC added autumn visits another 291m. (A blog autumn visits another 291m. (A blog can be read on pages 8 and 9 of the autumn logbook or here (date is \(29 / 10 / 2023\) ) (iii) The Vaca Bypass entrance added 408 m to the system. See site 5368 for details. (iv) Sump 3 was dived by Jim Lister, emerging at the base of window to the east of the new p6. (Not shown on survey.) There could be others possibilities in the sump.
(v) The passage running west from the Boob Tube entrance was extended in October 2023. Starting at station 23-09.16, a small hole and crawl heads back east into the top of rift 1. A p6 on ladder leads to a crawl into rift 2 . It is possible to get along the top of rift 2 secured with rope from 2 bolts. The rift gets narrow, but crawl size the top and may be passable by removing a couple of loose boulders. Iy is possible to see 12 m along. This was not pushed. The second p6 leads from 2 bolts to the bottom of rift 2, where the third p6 through a tube lads to the bottom. All passages seem to end in \(\varnothing 20 \mathrm{~cm}\) holes with some mud. We were there on a non draughting day, and there was not a clear draught. Surveyed for
59 m ; batch 23-09. [Torben Redder] 23-09. [Torben Redder]

Note on the survey alterations after summer 2023
Now having 3 entrances in quite accurate, known positions - and 5368 joining in at a
known point in FDC - the Survex survey has been calculated using just the above-water data. The data is then fixed by *SOLVE before the dive data is used. The ends of the before the dive data is used. The ends o
sumps 1 and 2 (and 3 ) have coordinates sumps 1 and 2 (and 3 ) have coordinates plotted directly from the above-wate rather than using the previous sump surveys. There are substantial differences
between the old 2023 Easter Survex and between the old 2023 Easter Survex an drawn surveys and the summer 2023 Survex and drawn surveys - hopefully now nearer the true positions.

Link to entry in the Cave Diving Sump Index.

Reference: anon., 2002b (summer logbook); Corrin Juan, 2003b; anon., 2012b (Easter logbook); anon., 2013e (autumn logbook); anon., 2014b (Eas
2016b (Easter logbook); anon., 2016c (summer
logbook); anon., 2022c (summer logbook); anon.,
2023b (Easter logbole logbook); anon., 2023d (autumn logbook) MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) Volume 3 - page 48

Entrance pictures: 2002, 2013, 2022 : Sub-phone
location (\#5000), August 2022, Underground picture(s): \(2016: 2017\) : April 2023 Peter Eagan) : April 2023 (Torben Redder) see 323
Summer 2023 : Stone Eye Passage and Matienzo Summer 2023: Stone Eye Passage and Matienzo Hash Hous
Videos: investigating pools, Easter 2016 : sheep disposal (YouTube) : sump diving videos summer 2016 (YouTube) : \(360^{\circ}\) surface subphone August 2022 (in hand) : Underground explorations and possible second entrance, August 2022 (YouTube) : Stone Eye Passage and p6 area, summer 2023 (YouTube) Explorations around batch \(23-05\), sump 4 and
station \(23-04.16\), summer 2023 (YouTube) autumn 2023 explorations (YouTube)

Explorations at Easter 2022 by Jim Down entrance mudbank to sump 1 (5:07) 2 Traversing the awkward passage between sumps 3 New: Mud choke back to sump 2 (11:16) New: End of passage heading toward Llanío (5:3 Dive out through sump 2 (7:47)

Going out through newly enlarged excavated sect

Detailed survey: sketch from logbook (2002) : survey (2013) : survey (2016) : additional sketch after summer 2017 : survey Easter 2022 : survey
after summer 2022: after Easter 2023 : after summer 2023 : after autumn 2023 Line survey: On area survey:
Survex file: with Espada, Llanío (Amended agnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.) : Stand-alone after Easter 2023 After Eas
System
After summer 2023: Stand-alone (with 5000 and 5368 ): with 5000 and 5368 as part of the 4 Valleys System

1801: cave
Riaño 30 T 4511524800774 (Datum: ETRS89
ccuracy code: G) Altitude 115 m
Length 3 m
A crawl dug out under a limestone face that chokes after 3 m .

\section*{Reference.}

Juan, 2003b
Entrance picture
Entrance picture:
Underground picture(s)
Detailed survey:
Line survey:
On area survey
Survex file:
X
1802: cave
Riaño 30T 4515274800672 (Datum: ETRS89 Accuraty code: G) Altitude 155 m
Length 3 m Length 3 m

Updated 25th May 2003; 26th June; 21st October 2010
"The top of a deep, wooded, jungle depression that appeared to have some promise but seems to have no holes." This was the original description but further inspection at Easter 2010 revealed a couple of interesting holes. The site is called Pozo Negro on the old maps.
There is an easy descent via a gully on the northwest side. At the foot of the gully, on the right, are 2 open joints that can be walked into. The first is blind, whilst the second one splits. The left branch is choked but the right hand one is blocked by rocks but the right hand one is blocked by rocks but opens into passable cav
is a good outward draught.
The rift on the right at the foot of the gully The rift on the right at the foot of the gully was excavated in the summer, 2010 and hht, 3 long passage entered which choked.

Reference: anon., 2002b (summer logbook); anon 2003b (Easter logbook); anon., 2010b (Eas ogbook); anon., 2010c (summer logbook) ntrance picture
Underground picture(s):
Line survey:
On area surve
Survex file:

1803: cave
Riaño 30T 4514354800685 (Datum: ETRS89. Accuracy code. G) Atm Area position

Updated 23rd May 2014
A 1 m high entrance in a field. The cave has a 3 m deep slot in the floor and is choked at the far side of the drop

Reference: anon., 2002b (summer logbook); Corrin uan, 2003b; anon., 2014b (Easter logbook) Entrance pictures: yes

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Underground picture(s):
Video: Entrance (YouTube)

1804: cave
Riaño 30T 4514884800544 (Datum: ETRS89. Accuracy code: G) Altitude 127 m Length 22 m Depth 5 m Length 22 m [
Area position

\section*{Updated 1st February 2006}

An open entrance in a depression below chicken coop. The 2 m wide entrance rift drops down over boulders until the passage turns left where it is about 5 m high. A few metres further on the rift closes in. It is metres further on the rift closes in. It
possible to climb up in the rift to see possible to climb up in the rift to see possible continuations, but the way on is near the floor where various contortions gains a wider chamber. At the far end of this, calcite closes in again and it appeared likely in 2002 that a generator and chisel would be needed to continue.
However, the Easter 2003 excavations in site 1805 gave an aural and visual link with this cave. Both appear to be near to the supposed downstream continuation of Cueva Riaño (site 105)

Reference: anon., 2002b (summer logbook); Corrin Reference: anon., 2002b (sun
Juan, 2003b; Corrin Juan, 2005 Entrance picture: yes Underground picture(s Detailed survey: \(1: 500\)

\section*{Line survey:}

\section*{On area survey}

Survex file: yes (Amended magnetic declinatior December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014. )
x
1805: cave
Riaño 30 T 4514464800566 (Datum: ETRS89 Accuracy code: G) Altitude 125 m Length 35 m Depth 5 m Area position

Updated 25th May 2003; 1st February 2006, 16th April 2008; 26th June 2010; 26th September 2012
[A GPS reading at the wall outside the entrance is 30T 04515504800779 ]
A short drop over the wall below site 1804. A 2 m climb down drops to a squeeze over boulders to a 10 m passage with rifts down on the left. At the end, a flat-out crawl ove and under boulders revealed a view into a possibly roomy continuation that was left for 2003.

At Easter 2003, the rifts in the floor were enlarged and access gained to the lower passage which choked towards the surface passage which choked towards the su The route over the boulders was also ared to where the route at floor floor level was choked with big slabs. The highe level lead to a continuation of the rift but this was found to have an aural and visual site 1804.
In 2012, at the base of the short pitch
excavation in boulders increased the deptr excavation in boulders increased the dept about 2.5 m , but more boulders, v
room to work, prevents progress.

Site 1805 should be surveyed at some point, rather than sketched.
Both sites appear to be near to the supposed downstream continuation of Cueva Riaño (site 105)

Reference: anon., 2002b (summer logbook); anon. 2003b (Easter logbook); Corrin Juan, 2003b; Corrin Juan, 2005; anon., 2008c (Easter logbook); anon., 2012d (summer logbook)
Entrance picture: yes
Videos: by Juan Corrin ): yes
Videos: by Juan Corrir
Harry Long moving into the "chamber" : Harry drilling into a boulder at the flat out crawl : stubby
Terry Whitaker, Harry and Lank - drilling finished : Plugs and feathers

\section*{On area s.an
suruex file}

\section*{x}

1807: cave
Riaño 30T 452958 4799741 (Datum: ETRS89. Accuracy code: M) Altitude 322 m Length 3 m

\section*{Area position}

A low rock shelter by a wall.
Reference: anon., 2002b (summer logbook); Corrin
Juan, 2003b Entrance picture:
Underground picture(s):
Detailed surve
Line survey:
On area survey
Survex file:

\section*{x}

1808: Casa Blanca, Cueva de Ozana 30T 4522934795556 (Datum: ETRS89. Accuracy code: G) Altitude 235 m Length 106 m Depth 22 m Area position

\section*{Updated 8th May 2018}

An excavated opening on the side of the hum enters the top of an 11 m pitch. A surface opening to the west also connects. At the bottom of the pitch, a slither down enters a low streamway on sandstone. After 40 m of stooping and crawling, the water disappears into a choked continuation on the left and the passage continues to a choke after a further 15 m . Just back from here, on the right, a small inlet leads to a flatout crawl to a better decorated section that crawl to a
closes in.

The cave is on the same horizon as Cueva del Mazo (site 312) and its resurgence site 368.

Reference: anon., 2002 e (February logbook);
anon. 2002 b (summer logbook); Corrin Juan, anon., 2002b (summer logbook); Corrin Juan, 2003b; anon., 2018b (Easter logbook) Entrance pictures: Easter 2018
Underground picture(s): 2002 Detailed survey: \(1: 500\) Line survey: On area survey: Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and
 x

1809: cave
1809: cave
Riaño 30T 4516514800485 (Datum: ETRS89 Accuracy code: G) Altitude 132 m Length 5m Depth 5 m Area position

Updated 16th April 2008; 4th, 5th November 2009; 26th September 2012

Just up the valley from the tower is a scar with an entrance down the back of a slipped lock. A \(2 m\) climb down has a dig into a nall chamber where the way on need enlarging. This was found to be draughting out in 2009 and it may repay a larger dig which will be relatively easy as the floor is compacted silt. Two other digs were found to be draughting out strongly but will be harder to do, with not a lot of space to stack debris.
After some digging in a draught in 2012 the logbook states, "It needs a big dig to remove enough of the silt and sand to see where it is coming from".

Reference: anon., 2002b (summer logbook); Corrin Reference: anon., 2002b (summer logbook); Corrin
Juan, 2003 b ; anon., 2008c (Easter logbook); anon.
2009c (summer logbook); anon., 2012d (summer 2009c (summer logbook); anon., 2012d (summer logbook)
Entrance picture: yes
Underground picture(s)
Detailed surve
On area surv:
Survex file:
X
1810: shaft
Riaño 30T 4529084799981 (Datum: ETRS89. Accuracy code: M) Altitude 335m Length 12 m Depth 7 m
Area position Area position

A 2.5 m pitch lands on a steep slope down to a squeeze then walking passage for 4 m to a pool with no exit.

Reference: anon., 2002b (summer logbook); Corrin Reference:
Juan, 2003b Entrance picture: yes Underground picture(s): Detailed survey: Line survey: On area survey: Survex file

Length \(4 m\) Depth 4 n
Area position

\section*{Are}
Rocks need removing to access a 4 m deep shaft that appears choked.

Reference: a Entrance picture: yes Underground picture(s) Detailed surve
Line survey: Line survey On area survey Survex file:

\section*{1812: dig}

1813: cave
EI Naso 30T 4516264796560 (Datum: ETRS89 Accuracy code: G) Altitude 425 m

Two holes in a limestone face in depression are windows into a small, 3 m high chamber. At the back is a tight rift that high chamber. At the back is a tight rift t turns right and may get bigger. On the downhill side of the shakehole there is a tiny through trip. On the uphill side lies the enlarged site 1829.

Reference: anon., 2002b (summer logbook); Corrin Juan, 2003b Entrance picture: yes Underground picture(s Detailed surv
Line survey: Line survey:
On area surv Survex file:

Reference: anon., 2002b (summer logbook); anon. 2002c (autumn logbook); Corrin Juan, 2003b Entrance picture: )
passage continues for approx 2 to 3 m before closing down to less than 20 cm wide.

Reference: anon., 2002b (summer logbook); anon.
 logbook)
Entrance picture: yes
Underground picture(s): yes
Video: 20Mb wmv file
Detailed surve
Line survey:
Line survey:
On area surve
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.),

X
1816: shaft
Las Calzadillas 30 T 4475424797305 (Datum ETRS89. Accuracy code: G) Altitude 328 m Length 40 m Depth 30 m

\section*{Area position}

A "slide-down" rift that drops about 30 m to level out and nip in.
Reference: anon., 2002b (summer logbook); anon Reference: anon., 2002b (Summer logbook);
2002c (autumn logbook); Corrin Juan, 2003b Entrance picture
Underground picture(s):
Detailed surv
On area survey
Survex file:
X
1817: shaft
Alisas 30 T 4476884794463 (Datum: ETRS89. Accuracy code: A) Altitude 547 m Length 20 m Depth 15 m Area position

Updated 21st October 2003; 1st February 2006; 7th November 2015

A draughting, walk-in hole to an excavated squeeze through to a ladder pitch to a bouldery floor. Rocks were thought to drop another 15 m into a chamber with a good echo.
After enlarging the head of the drop in 2003, the final pitch was found to be only 10 m , landing on a flat \(2 \times 7 \mathrm{~m}\) floor. A slight draught was detected from a small passage below the head of the pitch.

Reference: anon., 2002b (summer logbook); Corrin Juan, 2003b; anon., 2003c (summer logbook);
Corrin Juan, 2005; anon, 2015d (autumn logbook) Corrin Juan, 2005; anon, 2015d (autumn
Entrance pictures: yes
Underground picture(s): head of pitch Detailed survey:
Line survey: On area surve Survex file

1818: shaft
Trillos 30T 4481684794339 (Datum: ETRS89. Trillos 30 T 4481684794339 (Datu
Accuracy code: G) Altitude 500 m Accuracy code: G) Altitud
Length 18 m Depth 13 m Area position

An open shaft with a varied set of trees over the entrance. A 10 m pitch drops to a sloping floor with a decorated alcove and a short floor with a decorated alcove and
choked drop on the opposite side. Juan, 2003b


 Survex file:
x
1819: cave
Alisas 30T 4478404794516 (Datum: ETRS89 Accuracy code: G) Altitude 500 m Length 20 m

An unexpected open cave entrance just An unexpected open cave entrance just
above the woods in the valley. A single above the woods in the valley. A single chamber with formation. There is some
charcoal and glass but no others signs of previous use.
Reference: anon., 2002b (summer logbook); Corrin
Juan, 2003b Entrance picture: entrance Underground picture(s): yes Detailed surve On area survey: Survex file:

Updated 2nd June 2012; 24th September 2018; 15th November 2022

A phreatic remnant in the woods to the east of Cueva Vallina top entrance
An obvious entrance 50 m down from the
track which rises above Vallina top entrance. The entrance alcove slopes down to the right into passage 3 to 4 metres high. There are possible cat skeletons along the passage before a roof fall is met. Beyond, the
passage splits: straight on leads to a small
choke; to the left the passage heads back to the entrance, ending in a choked crawl. This section has evidence of previous visits there is dated lettering gouged in the mud there is dated lettering gouged in the \(m\)
The northern side of the "main chamber beyond the entrance comes close to the top of the ramp in the Vallina upper series.

Reference: anon., 2002c (autumn logbook);
Simonnot G, 2018; Simonnot G, 2022
Entrance picture: yes
Undergrour
Video : yes
Line survey
On area survey:
Surex file: yes
Survex file: yes (Amended magnetic declination December coordinates altered to fit ETRS89 datum, April 2014.) X
1824: cave (2109 (French: SCD)) Arredondo 30T 4501714792012 (Datum: ETRS89. Accuracy code: A) Altitude 253 m

\section*{been explored by the Catalans and by the nglish on a February trip. (No length or} depth notified).

The information below has been roughly translated from the French, Spéléo-Club Dijon reference, Simonnot G, 2016 and Simonnot G, 2022..

The second cavity from the junction towards Bustablado, along the road to the pass of Alisas. Cave open at both ends (?), which boils down to a stretch of large meander. Explored by the SCD in 1988.

Reference: anon., 2002c (autumn logbook) imonnot G, 2016; Simonnot G, 2018; Simonnot G 2022 Entrance picture: yes
Underground picture(s): Detailed survey: Line survey: On area survey Survex file:
x
1825: dig
El Naso 30T 4509324797019 (Datum: ETRS89. El Naso 30T 4509324797019 (Dater
Accuracy code: G) Altitude 440 m Length 3 m Depth 2 m Area position

The entrance is on the uphill, back edge of a The entrance is on the uphill, back edge of a floor where stones rattle down about 5 m . A possible dig with some draught.

Reference: anon., 2002c (autumn logbook) Entrance picture: yes Underground picture(s): Detailed survey: On area survey Survex file:

X

\section*{1826: shaft}

El Naso 30T 4511324796902 (Datum: ETRS89. Accuracy code: G) Altitude 407 m Length 4 m D

A small shaft, lightly covered with rocks. 2 m free climb is choked at the bottom.
```

Reference: anon., 2002c (autumn logbook)
Entrance picture: y
Underground picture(s)
Detailed surve
Line survey:
On area surve
Survex file
X
1827: cave
El Naso 30T 451210 4796817 (Datum: ETRS89.
Accuracy code: G) Altitude 410m
Length 5m
Area position

```

Updated 17th February 2022
The entrance is in the lowest, wooded shakehole in a complex of depressions. The downhill face has a 4 m wide, low and walled entrance. The right hand side gives the larger entry but the whole cave appears to choke about 5 m in. Stal drop into a soil floor so it may dig. No apparent draught.

The GPS is on the lip of the shakehole, above the entrance.

The site was mistakenly documented as 4513 @ 30T 4512094796813 at Easter 4513 @ \(30 T 4512094796813\) at Easter
2017. Site 4513 will be re-allocated but a Logbook Search will still find the 2017 entry

Reference: anon., 2002c (autumn logbook); anon. 2017b (Easter logbook) - \#4513; anon., 2022a Entrance picture: distant Entrance picture: distant
```

Detailed survey
Line survey:

```
On area surve
Survex file:

1828: shaft
El Naso 30T 451515 4796633 (Datum: ETRS89. Accuracy code: G) Altitude 426 m Length 10 m Depth 8 m Area position

A shaft covered with large blocks. An 8m descent in 3 m diameter shaft lands on a floor of large blocks.

Reference: anon., 2002c (autumn logbook) Entrance picture: yes Underground picture(s): Detailed surve On area surve Survex file:

X
1829: shaft
El Naso 30T 4516244796546 (Datum: ETRS89. Accuracy code: G) Altitude 425m
Length 20 m Depth 16 m Length 20 m Depth 16 m
Area position
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Updated 25th May 2003; 15th June 2008

The stronger measures were put in place in May 2008 and entry was gained to two May 2008 and entry was gained to two pitches. The top one drops 6 m into a smal chamber where a rift on the right contains the draught entering from site 1813. A 2 m deep slot leads down to the head of the final 8 m pitch, which is a narrow rift and completely choked at the base.

Reference: anon., 2002c (autumn logbook); anon., 2003b (Easter logbook); anon., 2008d (Whit logbook)
Entrance pictures: yes Underground picture(s): yes Line survey: Line survey:
On area sur Survex file:

\section*{1831: shaf}

\section*{na 30T 45324 \\ 4794917 (Datum: ETRS89.} Accuracy code: G) Altitude 317m

A small hole partly covered by a large block by the side of the track. A 5 m pitch to a by the side of
choked floor.

Reference: anon., 2002d (Christmas logbook) Entrance picture: ye
 Detailed survey Line survey: On area sur:
Survex file:

1832: dig
Ozana 30T 4532324794901 (Datum: ETRS89. Accuracy code: G) Altitude 320 m

1834: sha
Ozana 30T 4532644794969 (Datum: ETRS89 Accuracy code: G) Altitude 299 m Length 2 m Depth 2 m Area position

Small, vegetated hole.
Reference: anon., 2002d (Christmas logbook) Entrance pictures: yes Underground picture(s): Line survey: Line survey: Survex file:
X
1835: shaft
Ozana 30T 4532644794955 (Datum: ETRS89
Accuracy code: G) Altitude 303 m
Length 3 m Depth 2 m
Area position

Small hole, about \(3 \times 2 \mathrm{~m}\), choked with a large block.

Reference: anon., 2002d (Christmas logbook) Entrance pictures: yes Underground picture(s):
```

Detailed surve

```
Line survey:
On area survey
Survex file
X
1836: shaft
Ozana 30T 4533074794970 (Datum: ETRS89
Accuracy code: G) Altitude 298m
Length 35 m Depth 27 m
Area position

Updated 4th March 2003
An open, roomy shaft which lands on a stoney floor 19 m down. The floor slopes down, passing a calcited aven with pool on the left, to reach a 7 m pitch that is completely choked with calcite.

Reference: anon., 2002e (February logbook);
anon., 2002d (Christmas logbook); anon., 200 anon., 2002d (Christmas logbook); anon., 2003a (February logbook)
Entrance pictures
Underground picture(s): yes
Detailed survey:
Detailed survey:
Line survey:
On area survey:
Survex file:

1837: dig
837: dig
Cubija 30T 4500554797068 (Datum: ETRS89. Area position

A collapse on the track, partly covered by A collapse on the track, partly covered by
logs. Boulders need removing in order to logs. Boulders
enter a crawl.

Reference: anon., 2002d (Christmas logbook) Entrance pictures: yes Underground picture(s): Detailed surve On area survey: Survex file:
X
1838: cave
Cubija 30T 4498654796886 (Datum: ETRS89
Accuracy code: G) Altitude 355 m
Length 6 m
Length 6 m
Area positio
This 6 m long, walk-in fragment is found in
the base of a depression. There is a possible
dig.

Reference: anon., 2002d (Christmas logbook) Entrance pictures: Underground picture(s): Detailed survey Line survey Survex file:

X
1839: shaft
Cubija 30T 4498114796536 (Datum: ETRS89 Accuracy code: G) Altitude 408 m Depth 6m Area position

The rift is on top of the the rige, in limestone pavement to the south of the barn. The 6 m ? shaft can be descended when the loose soil bridge is removed.
```

Reference: anon., 2002d (Christmas logbook)
Reference: anon., 200
Entrance pictures:
Detailed survey:
Line survey:
On area survey
Survex file:
1840: shaft
Ozana 30T 453464 4794966 (Datum: ETRS89,
Ozana 30T 453464 4794966 (Datu

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Length 3 m Depth 3 m
Area position
Area position
A 3m deep, small shaft.
Reference: anon., 2002d (Christmas logbook)
Reference: anon., 2002d (Christmas
Entrance pictures: distant close up
Underground picture(s):
Detailed survey
Line survey:
On area survey
Survex file:
1841: shaft
1841: Shaft 4796550 (Datum: ETRS89.
Cubija 30T 4497134796550 (Da
Accuracy code: G) Altitude 407 m
Area position
A small rabbit hole in a grassy field has a
narrow shaft where stone rattle down for
about 6 m . Undescended.
Reference: anon., 2002d (Christmas logbook)
Entrance pictures: yes
Underground picture(s)
Underground pict
Detailed survey:
Detailed surv
Line survey:
Line survey:
On area surve
On area surv
Survex file:
x
1842: dig
Cubija 30 T 4499374796787 (Datum: ETRS89.
Accuracy code: G) Altitude 322 m
Area position
A low, arched opening with a possible dig in
boulders.
Reference: anon., 2002d (Christmas logbook)
Entrance pictures: yes
Underground picture(s)
Underground pi
Detailed survey
Line survey:
On area survey
On area surv
Survex file:
1843: dig
Cubija 30T 4498994796462 (Datum: ETRS89.
Accuracy code: G) Altitude 362 m
Accuracy code
Area position
A rock shelter with a possible dig.
Reference: anon., 2002d (Christmas logbook)
Entrance pictures:
Entrance pictures:
Underground picture(s):
Detailed survey:
Line survey:
On area survey
Survex file:
1844: dig
La Secada 30T 4530874797731 (Datum: ETRS89
Accuracy code: G) Altitude 247 m
Al
Area position
A narrow fissure on the same terrace as
Cueva de los Tres Niños (site 565). Worth a
dig.
Reference: anon., 2002d (Christmas logbook)
Reference: anon.,
Entrance pictures
Entrance pictures:
Underground picture(s
Underground pict
Detailed surv
Line survey
On area sur
On area su
Survex file:
1845: cave
La Secada 30T 4531374797725 (Datum: ETRS89
Accuracy code: G) Altitude 273 m
Length 6m
Area position

An open cave, not far from the footpath, and on the same terrace as Cueva de los Tres Niños (site 565). A single \(5 \times 2 \mathrm{~m}\) chamber with some dead stal.

Reference: anon., 2002d (Christmas logbook) Entrance pictures:
Underground picture(s)
Detailed survey
Line survey
On area survey
Survex file:
1846: cave
1846: Cave 0
Ozana 30 T 4532124794370 (Datl
Accuracy code: G) Altitude 363 m
Accuracy co
Length 3 m
Area positio
Updated 4th November 2009
A small sink cave that becomes too low just
inside the entrance

Reference: anon., 2003a (February logbook);
anon., 2009c (summer logbook)

\section*{On area surve}

\section*{x}

X
1847: cave
Ozana 30T 4530514794683 (Datum: ETRS89. Accuracy code: G) Altitude 336 m Length 26 m Depth 12 m Area position

Updated 21st October 2003; 1st February 2006

This site started as a muddy dig just off the side of a shallow valley by an old wall. Stones rattled down for a couple of metres and there was a warm draught out on a cold day.
The entrance was excavated and this opened up a 10 m deep rift, climbed down to a chamber. A flat out crawl was passed by further digging to a boulder choke. This was also dug through to a continuation where the flat-out crawl developed into a rift and became too small. Reference: anon., 2003a (February logbook);
anon., 2003c (summer logbook); Corrin Juan, 2005 anon., 2003 c (summer logbook), Corrin Juan,
Entrance pictures: yes
Underground picture(s): yes video of second Undergrounc
digging site Detailed survey: 1:500 Line survey: On area survey Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.) X
1848: cave
Ozana 30T 4530384794821 (Datum: ETRS89 Accuracy code: G) Altitude 325 m Length 8 m Depth 5 m

\section*{Area position}

A 5 m diameter open hole between two pylons just above the road. A climb down of 2 m onto rubbish leads to another 3 m climb down with no apparent way on.

Reference: anon., 2003a (February logbook)
Entrance pictures: yes video along line of entrance
```

Underground picture(s):

```
Detailed survey:
Line survey
On area survey:
On area sur
Survex file:
X
1849: cave
S Vega 30T 4510564794697 (Datum: ETRS89
S Vega 3074510564794697 (Dat
Accuracy code: G) Altitude 500 m
Length 5 m Depth 2 m
Area position

Updated 30th October 2020
A collapse cave under large blocks. This was entered down a 5 m ladder climb to the east of the original entrance in October east of the original entrance in October
2020, when the complex site was obscured 2020, when the complex site was obscured
with vegetation. The low cave has a number with vegetation. The low cave has a number
of feriliser bags and a hole at the back that of feriliser bags and a hole at the back that
may repay attention. An interesting rift - tod may repay attention. An interesting rift - to tight at the top - can be found next to the adder drop. This may repay some attention A few metres up the slope is another depression with a small hole with beer
bottles. bottles.
Reference: anon., 2003a (February logbook);
anon., 2020d (autumn logbook) Reference: anon., 2003a (Febru
anon., 2020d (autumn logbook)
Entrance pictures: Entrance pictures: 2003, 2020 Underground picture(s): 2020 Line survey: Line survey: Survex file:

X
1850: shaft
S Vega 30T 450214 4794732 (Datum: ETRS89.
Accuracy code: G) Altitude 493 m Accuracy code: G) Altitude 493 m Depth 10 m

A small opening just below site 854. The entrance needs digging out at the top and stones drop for about 10 m .

Reference: anon., 2003a (February logbook) Entrance pictures: yes
Underground picture Underground picture(s): Detailed survey: Line survey: On area surve
Survex file:

\section*{1851: shaft}

S Vega 30T 4503174794763 (Datum: ETRS89. Accuracy code: G) Altitude 477 m

\section*{Depth 3m}

Area position
A 5 m long shakehole with a 3 m undescended climb down in the base that appears to slope down. This may be site 340.

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Reference: anon., 2003a (February logbook)
Entrance pictures: yes slope of small boulders.

1856: shaft
Llueva 30T 4552034797049 (Datum: ETRS89. Accuracy code: G) Altitude 343 m Length 70 m Depth 60 m Area position

Updated 25th May 2003; 1st February 2006
A 5 m deep hole about \(3-4 \mathrm{~m}\) wide and 7 m A 5 m deep hole about \(3-4 \mathrm{~m}\) wide and long with a flat floor. At the west end is
hole that was excavated at Easter 2003 hole that was excavated at Easter 2003
opening up a 5 m drop down to a loose area opening up a 5 m drop down to a loose are
and a 50 m pitch. and a 50 m pitch.
Reference: anon., 2003a (February logbook);
anon., 2003b - sketch (Easter logbook); Corrin anon., 2003b - sketch (Easter logbook); Corrin Juan, 2005 Entrance pictures: top down first drop video of top climb video of capping

\section*{Length 20 r
Area positio}

Updated 1st February 2006
Right up against a small cliff are two 10 m deep holes connected at the base. Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005 Entrance pictures: yes Detailed survey: Line survey: On area surve
Survex file:

X
1858: cave
S Vega 30T 450629 4794783 (Datum: ETRS89. S Vega 30T 4506294794783 (Dat
Accuracy code: G) Altitude 450 m Accuracy code: G) Altitude 450 m Area position

Updated 1st February 2006; 26th June 2010 ; 22nd May 2017

A dig at the side of the track that needs boulders removing to enter a "chamber". boulders removing to enter a "ch
This was explored in April 2017.
This was explored in April 2017 .
A 2 m drop into an old canyon fragment A 2 m drop into an old canyon fragment
with ancient stal. A further 1 m to a small with ancient stal. A further 1 m to a smath
chamber. Down slope is too narrow at both mid and low level. The cave draughts in mildly and would dig fairly easily. "Quite an interesting site." Reference: anon., 2003b (Easter logbook); Corrin
Juan, 2005; anon., 2010b (Easter logbook); anon., 2017b (Easter logbook)
Entrance pictures: 2003 \& 2017 Underground pictures: Easter 2017 Video: Coming up from the bottom. (Facebook) Line survey: On area survey: Survex file: undercut at the bottom
```

Reference: anon., 2003b (Easter logbook); Corrin
Reference:
Entrance pictures: yes
Underground picture(s):
Detailed survey:
Line survey
On area survey;
Survex file:
x
1860: shaft
S Vega 30T 450416 4794857 (Datum: ETRS89,
S Vega 30T 450416 4794857 (Datu
Length 15m Depth 10m
Area position
Updated 1st February }200
Twin holes over the shaft top hide a spacious drop. A climb up and round a spacious drop. A climb up and round a corner leads to a continuation in the rift.
There is also a muddy grovel in the floor.
Reference: anon., 2003b (Easter logbook); Corrin
Juan, 2005 Juan, 2005
Entrance pictures: yes
Underground picture(s): yes Video: Miranda Sandys descending
John Forder ascending with acrobatics Detailed survey: Detailed surv
Line survey: On area surve
Survex file: levels out. A crawl splits up into several phreatic rifts - all too small.
Reference: anon., 2003b (Easter logbook); Corrin Reference
Juan, 2005
Entrance pictures: yes
Underground picture(s)
Video: temperature sensing
Harry Long descending rift
Crawl at base
Climbing up to the entrance
Detailed survey: sketch

```

MATIENZO UNDERGROUND - site descriptions (printed \(19 / 02 / 2024\)

\section*{Line survey}

A 2 m drop down a narrow rift that slopes to a bouldery chamber that has been dug. There is a vocal connection with nearby site 1867. It may be worth pursuing the dig (int a supposed continuation) as the point has been reached where the wall has turned under and the roof has anastomoses similar to those in site 1867.

Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005 Entrance pictures: 12
Video: Terry Whitaker descending the entrance slot: 12
Detailed survey: sketch with 1867 Line survey: On area survey Survex file:
```

X

```

1867: cave
Riaño 30T 451448 4800635 (Datum: ETRS89. Accuracy code: G) Altitude 145 m ength 12 m Depth 3 m Area position

Updated 1st February 2006
A walk down entrance that turns left and ises slightly to meet a small boulder choke There is a vocal connection with site 1866 and the latter has a reasonable dig into the
supposed continuation. supposed continuation.

Reference: anon., 2003b (Easter logbook); Corrin uan, 2005
Entrance pictures: yes
Underground picture(s)
```

Video: Near the chok
Detailed survey: sketch with }186

``` Line survey: On area surve)
Survex file: X 1868: cave Cobadal 30T 449081 4798233 (Datum: ETRS89 Accuracy code: G) Altitude 293m Length 29 m Depth 11 m Area position

Updated 1st February 2006
An excavated hole, set back from the road, which enters a 12 m long crawl to the top of a wide, 10 m deep chamber. The pitch is choked and the bouldery slope to the north reached by traversing off the ladder, chokes at the top. A slope in the opposite direction reaches the surface through an aural connection.

Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005 Entrance pictures: yes Entrance pictures: yes
Underground picture(s): yes
Video: location Pete Smith in the entrance "Big tunnel"
Pitch top Slope to boulder choke Crawl back to entrance
survey: \(1: 500\)
Detailed sur
Line survey:
Line survey:
Survex file: yes (Amended magnetic declination Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014 x
1869: cave
Cobadal 30T 449432 4798559 (Datum: ETRS89 Accuracy code: G) Altitude 324 m
Length 3 m Depth 1 m Length 3 m Depth 1 m Area position

A choked bouldery hole at the side of the road from La Gatuna to Cobadal.

Reference: anon., 2003b (Easter logbook)
Entrance pictures: yes
Underground picture(s)
Detailed surve
Line survey:
Survex file:
Sur
x
1870: shaft
Riaño 30T 4515014800610 (Datum: ETRS89 Accuracy code: G) Altitude 145 m Length 17 m Depth 8 m Area position

Updated 1st February 2006
A shaft, a short distance and downhill from some beehives, hidden beneath a large boulder. A 5 m pitch drops to a "streamway' where upstream chokes after a few metres where upstream chokes after a few matre draught.

Reference: anon., 2003b (Easter logbook); Corrin uan, 2005
Entrance pictures:

\section*{Petaile s. sur}

\section*{1872: caves - 2}

\section*{Muela 30T 4555034796412 (Datum: ETRS89.} Accuracy code: G) Altitude 612 m Length 6 m

Updated 1st February 2006
Two small caves, about 1m apart.
Reference: anon., 2003b (Easter logbook); Corri Reference
Juan, 2005
Videos:
\[
\begin{aligned}
& \text { Detailed survey } \\
& \text { Line survey: }
\end{aligned}
\]
\[
\begin{aligned}
& \text { Line survey: }
\end{aligned}
\]
\[
\begin{aligned}
& \text { On area survey: } \\
& \text { Survex file: }
\end{aligned}
\]

1873: Rubbish Dump Cave Cobadal 30T 4480604798334 (Datum: ETRS89. Accuracy code: G) Altitude 150 m

\section*{Length 5 m Depth 5 m}

Area position
Updated 1st February 2006
A rubbish-filled shakehole has a cave which is choked with rubbish after a short passage and pitch.

\title{
1874: Snottite Cave
}
(Esquimaduelas, Cueva de las) Cobadal 30T 4480364798353 (Datum: ETRS89. Accuracy code: G) Altitude 150 m

\section*{Length 470 m}

Updated 21st October 2003; 1st February, 20th May, 7th October 2006; 8th October 2007; 16th April, 8th November 2008; 7th May 2009; 27th May 2011; 24th April 2013; 20th September 2014; 30th November 2016; 1st July 2018

Apparently, the depression is called Las Esquimaduelas, so the cave should be called Cueva de las Esquimaduelas. The entrance had been covered over and was not visible at Easter 2013 and in October 2016 it was well filled with flood debris and earth.

The strongly draughting entrance lies in a The strongly draughting entrance lies in steep-sided, wooded shakehole, next to Rubbish Dump Cave (site 1873) and is a boulders. This may have to be re-excavated each year if the farmer decides to cover it over
A hands-and-knees crawl lowers to flat ou through an excavated section and the between mud banks. A route through boulders breaks into a stooping streamway which becomes walking-size before meeting a collapse at a chamber. A wriggle down between blocks enters a meandering streamway that meets Snottite Junction. Downstream the water disappears to the left and the passage becomes very low ahead. Some digging was carried out during Easte 2006 but the rock was proving "very hard' in the summer. This area was further attacked during the summer of 2007 and MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) Volume 3 - page 64
progress made along Owl Neck Crawl.
Bevond. the nassage develons into a 5 Beyond, the passage develops into a 5 m marrow rift that needs enlarging to ge deep, narrow rift that needs enlarging to ge
to the water below. At the end of the rift, the passage at high level is about 65 cm wide and 15 cm high. (See sketch). Work was curtailed during Easter 2008 because of the amount of water. At Easter 2009, it was the amount of water. At Easter 2009, it was
suggested that rock needed to be removed. suggested that rock needed to be remove
Upstream the passage rises past various Upstream the passage rises past various
inlets to meet a high rift chamber with the stream entering from a crawl 2 m above the stream entering from a crawl 2 m above possibly being fed by the shakehole at site possibly being fed by the shakehole at site
1873. The cave in this region has risen back 1873. The cave in this region has risen back
up to the altitude of the entrance. up to the altitude of the entrance.
On a trip in the summer of 2003, the inlets were pushed and surveyed.
Some suggestions for possible destinations for the water are shown here.

A diagram of the hydrology of the San Antonio - Hornedo - Cobadal area drawn after Easter 2011 can be found here.
Reference: anon., 2003b (Easter logbook); anon.,
2003c (summer logbook); Corrin Juan, 2005; anon.,
2006d (summer logbook); anon., 2007d (summer
logbook); anon., 2007d (summer logbook); anon.,
2008c (Easter logbook); Corrin Juan, 2007a; Corrin.
Juan, 2009; anon., 2009a (Easter logbook); anon.,
2013b (Easter logbook); anon., 2016d (autumn
logbook)
Entrance pictures: sandstone on limestone :
excavations: \(12:\) shakehole with entrance : Partia
re-excavation, Easter 2013: no entrance 2014
Underground picture(s):
Videos: Eski investigating the almost excavated
entrance See also walk from Orchard Cave towards
1874
Detailed survey: \(1: 500\) after Easter 2003 1:500
after summer 2003 sketch of dig area, 2007
Line survey:
On area survey: pdf file with Torcida, Orchard and
Woodcutters' Caves
Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.),
Passage direction rose diagram: 1/7/2018
X

\section*{1875: shaft}

Sega 30T 4502764794102 (Datum: ETRS89 Accuracy code: G) Altitude 562 m Depth 5m

Updated 1st May 2005
An undescended shaft of about 6 m depth The entrance is covered with a block.
```

Reference: anon., 2003b (Easter logbook); anon.,
2005b (Easter \& summe,
Entrance pictures: 12
Detailed survey:
Detailed surve
On area survey
Survex file:
X
1876: cave
La Colina 30T 453367 4796740 (Datum: ETRS89.
Accuracy code: G) Altitude 515m
Length 3m
Area position

```
Updated 1st February 2006

The entrance lies below a small triangula outcrop and is a drop into a \(2 \times 2 \mathrm{~m}\) chamber with no real prospects.
Video:
Detailed survey:
Line survey
On area survey
Survex file:
X
1877: shaft
S Vega 30T 450092 4794577 (Datum: ETRS89
S Vega 30T 4500924794577 (Dat
Accuracy code: G) Altitude 458 m
Depth 2 m
Area position
Updated 1st February 2006; 18th May 2023

An undescended shaft of about 2 m depth to a choke. The entrance is covered with a block.
This was seen again in April 2023 but it looks too different to be the same hole?

Reference: anon., 2003b (Easter logbook); Corrin
Juan, 2005; anon., 2023b (Easter logbook) Juan, 2005; anon., 2023b (Easter logbook) Entrance pictures: 2003 and 2023 Underground picture(s): Line survey: On area survey: Survex file:

\section*{1879: cave}

S Vega 30T 450058 4794671 (Datum: ETRS89 S Vega 30T 4500584794671 (Da
Accuracy code: M) Altitude 451 m Accuracy cod
Length 10 m Length \(10 n\)
Area positio


A small horizontal through trip "rediscovered" April 2018.

On area survey
Survex file:

A 3 m climb down onto boulders is followed by 2 consecutive 3 m climbs down that lead to a small chamber under the collapse..

Reference: anon., 2003b (Easter logbook); Corrin Reference: Entrance pictures: yes Underground picture(s): Video:
Detailed survey: Line survey On area survey
Survex file:
x
1884: cave
1884: Cave Accuracy code: G) Altitude 470m Accuracy code: G) Altit
Length 5 m Depth 4 m Area position

Updated 1st February 2006
A cave in a bramble bush. A 2 m climb down A cave in a bramble bush. A 2 m climb do
to another short climb to a set of bones. Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005 Entrance pictures: yes Underground picture(s) Detailed survey: Line survey: On area survey: Survex file:
```

x

```

\section*{1885: cave}

El Naso 30T 4516384796615 (Datum: ETRS89. Accuracy code: G) Altitude 411 m Length 10 m
Area position

Updated 1st February 2006
A 10 m long through trip on the downhill edge of the large depression associated with sites 1813 and 1829.

Reference: anon., 2003b (Easter logbook); Corrin Reference
Juan, 2005
Entrance pictures: distant closeup Underground picture(s) Video: showing position Detailed surve Oine survey: Survex file:
```

Updated 1st February }200

```
A small hole into a 3 m long chamber Reference
Juan, 2005 Entrance pictures: yes Underground picture(s) Video: Bob Cawthorne emerging from hole Detailed survey:
Line survey:
Line survey
On area survey:
Survex file 2006; 4th, 20th September 2022

The small, excavated entrance (just over the fence to the west of site 1514) leads to nearly 40 m of small passage with some draughting digs to work at. The draughting digs to work at. The
southwestern dig might now be passable by a small person
a small piece of black pottery was found at A small piece of black potte the junction before this dig.
The site is controlled by a similar set of The site is controlled by a similar set of
joints to nearby 1514 , but is 6 m lower at joints to nearby 1514 , but is 6 m lower at
the nearest point. It is only 4 m away from a the nearest point. It
dig in Adillos, 0034 .

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Reference: anon., 2003b (Easter logbook); anon.,
\(2003 c\) (summer logbook); Corrin Juan, 2005 "passage" leads off.

Updated 1st February 2006; 14th May 2011; 20th September 2014

A "deep hole". A small entrance on the west face of a shakehole with a lot of rubble. Undescended.
An entry in the Easter 2011 states, "Couldn't An entry in the Easter 2011 states, "Could
find any trace of hole as described in text" while, in August 2014, the site was seen and it was suggested that a handline or ladder was needed to check it out.

Reference: anon., 2003b (Easter logbook); Corrin Reference: anon., 2003b (Easter logbook); Corrin
Juan, 2005; anon., 2011b (Easter logbook); anon., 2014c (summer logbook
Video:
Detailed survey
Line survey:
On area survey:
On area sur
Survex file:
1891: cave

A 7 m long rock shelter. Reference: anon., 2003b (Easter logbook); Corrin
Juan, 2005; anon., 2009c (summer logbook); anon. Juan, 2005; anon., 2009 ntrance pictures: 2009 and 2023 Underground picture(s): Video:
Detailed survey: Line survey:
On area survey:
Survex file: yes (Amended magnetic declination Survex file: yes (Amended magnetic declinatio December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014. X
1893: shaft
Bosmartín 30T 4504294797413 (Datum: ETRS89. Accuracy code: G) Altitude 505 m
Length 5 m Depth 4 m Area position

Updated 1st February 2006; 14th May 2011
A 4 m deep shaft has a small chamber approximately 1 m diameter at the southeast end with a small choked rift about 8-10" wide choked with rubble.

Reference: anon., 2003b (Easter logbook); Corrin Reference: anon., 2003b (Easter logbook);
Juan, 2005; anon., 2011b (Easter logbook) Entrance pictures: yes Underground picture(s): yes Video:

\section*{Detailed surve}

Line survey:
Survex file:
X
1894: shaft
Cubija 30T 4499684796641 approx. (Datum ETRS89. Accuracy code: M) Altitude 325 m Length 20 m Depth 20 m

\section*{Area position}

Updated 1st February 2006
A 20 m shaft found "in error", directly below the pylon, when looking for Sima del Picón.

Reference: anon., 2003b (Easter logbook); Corrin uan, 2005 Entrance pictures Underground picture(s): Video:

\section*{Detailed sur}

Line survey:
On area surve
Survex file:
X
1895: diq
S Vega 30T 4506484794841 (Datum: ETRS89 Accuracy code: M) Altitude 435m Area position

Updated 1st February 2006
A diggable collapse with no obvious draught.
Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005
```

Entrance pictures
利erground picture(s)

```
Video:
```

Video:

```
Line survey:
On area survey:
On area sur
Survex file:
X
1896: cave (Salamander Cave)
Seldesuto 30T 449068 4794941 (
Accuracy code: M) Altitude 207 m
Length 5 m Depth 4 m
Area position
Updated 27th October 2003; 1st February 2006

A 3.5 m deep site which is a flood resurgence. There are possibilities for digging with a cool draught and echo.

Reference: anon., 2003b (Easter logbook); anon., 2003c (summer logbook); Corrin Juan, 2005 Entrance pictures:
Underground picture(s)
ideo:
Detailed survey:
Line survey:
On area survey:
Survex file:
x

1897: cave

A flood resurgence with a hands-and-knees opening into a small chamber with a fair draught.

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Reference: anon., 2003b (Easter logbook); anon.,
2003c (summer logbook); Corrin Juan, 2005 Entrance pictures: 2003, 202 Underground picture(s): Video:

The route was enlarged then pushed over 2 trips in December 2021. Unfortunately, the very tight constriction was passed into a the very tight constriction was passed into a body length flat out section where, to the left, a stal grill blocks progress and to the right, a tube is far too tight. "Definitely no 'nearly walking height' and not really worth a return!"

Reference: anon., 2003b (Easter logbook); anon 2003c (summer logbook); anon., 2004b (East logbook); Corrin Juan, 2005; anon., 2021f

\section*{Accuracy co
Length 4 m
Area positio}

A small cave fragment. The site is located just where the track starts to descend west to Seldesuto. The small chamber has a smal skylight at the far end. Reference: anon., 2003b (Easter logbook); Corrin
Juan, 2005; anon., 2022a (January, February Juan, 2005; anon., 2022a (January, February Entrance pictures: 2003, 2022 Underground picture(s): Video:
```

Detailed surv

```
Line survey:
On area survey
Survex file:
x

1903: diq Seldesuto 30T 4496624794393 (Datum: ETRS89. Seldesuto 30T 4496624794393 (
Accuracy code: G) Altitude 354 m Accuracy code
Area position

Updated 1st February 2006
A draughting fissure below site 580. Not easily diggable. See site 1904.

\section*{Reference: anon., 2003b (Easter logbook); Corrin} Juan, 2005 Entrance pictures: Underground picture(s): Underground pic
Video:
Detailed survey: Line survey: On area survey Survex file:
x

1904: dig
Seldesuto 30T 4496414794376 (Datum: ETRS89. Accuracy code: G) Altitude 354 m Area position

Updated 1st February 2006
A draughting fissure below site 580. Not easily diggable. See site 1903.

Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005 Entrance pictures: Underground picture(s): Video:
Detailed survey: Line survey: Survex file: X

1905: cave
Seldesuto 30T 4496894794349 (Datum: ETRS89. Accuracy code: G) Altitude 386 m Area position

Updated 1st February 2006
A short diggable fissure with a weak draught and blocked by sandstone rocks

Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005
Entrance picture Untrance pictures:
Underground picture(s): Video:
```

Detailed sur
Line survey:

```
On area surve
Survex file:
x
1906: dig
S Vega 30T 4506714794837 (Datum: ETRS89
S Vega 30T 4506714794837 (Dat
Accuracy code: G) Altitude 434 m
Accuracy cod
Area position
Updated 1st February 2006

A potential dig below the new track and below the pond.

Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005
Entrance pictures: three views
Entrance pictures: three vi
Underground picture(s):
```

Video:

```
```

Detailed survey:

```
```

Detailed survey:

```
Line survey:
On area survey:
On area sury
Survex file:
x

1907: dig
S Vega 30T 4505884794918 (Datum: ETRS89. Accuracy code: G) Altitude 435 m Area position

Updated 1st February 2006
A draughting hole with a non-draughting slo further up the slope.

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\section*{Reference
Juan, 2005}

\section*{1908: hole}

S Vega 30 T 4505564795131 (Datum: ETRS89 Accuracy code: G) Altitude 375 m
Area position

A hole beneath a small dead tree in the side of a 20 m depression. No go.

Reference: anon., 2003b (Easter logbook) Entrance pictures: yes

1910: cave
1910. Cave 4795233 (Datum: ETRS89 \begin{tabular}{l} 
S Vega 30 T 4504264795233 (Da \\
Accuracy code: G) Altitude 330 m \\
\hline
\end{tabular} Accuracy code: G) Altitude 330 m
Length 15 m Depth 2 m Height 1 m Length 15 m
Area position

Updated 1st February 2006; 3rd April, 14th September 2021

A crouching-sized, 3 m long chamber with no draught leads through a crawl to a \(3 \times 2 \mathrm{~m}\) chamber with a goat skeletons.

Reference: anon., 2003b (Easter logbook); Corrii Juan, 20 Entrance pictures: 2003 Underground pictures: November 2020 Detailed survey: pdf November 2020 Line survey On area survey: Survex file: November 2020

1911: cave
S Vega 30T 450547 4795296 (Datum: ETRS89 S Vega 30 T 4505474795296 (Da
Accuracy code: G) Altitude 320 m Accuracy \(\begin{aligned} & \text { Length } 10 \mathrm{~m} \\ & \text { Area position }\end{aligned}\)

\section*{Update}

A crouching-sized, horizontal tube in a A crouching-sized, horizontal tube in a
triangular cliff face shelter with no draught triangular cliff face shelter with no drau
The cave is 2 m diameter and quite wet The cave is 2 m diameter and quite wet
inside; 2 m from the entrance it turns lef inside; 2 m from the entrance it turns
and stops after 8 m . There are a large

On area surve

\section*{\(x\)}

\section*{1913: cave}

S Vega 30T 451275 4794988 (Datum: ETRS89. Accuracy code: G) Altitude 425 m Length 4 m

\section*{Area position}

Updated 1st February 2006
The entrance is in a shakehole to the northeast of site 1514 at the foot of an overhang. A 4 m long cave with a slight outward draught ends at a choke.

Reference: anon., 2003b (Easter logbook); Corrin Juan, 2005
Entrance pictures:
Underground picture(s): ideo:
Detailed survey:
Line survey:
Survex file:
x
1914: shaft
S Vega 30T 4514204794849 (Datum: ETRS89. Accuracy code: G) Altitude 415 m Depth 4 m

\section*{Area position}

Updated 27th October 2003; 1st February 2006

Hole at the base of a cliff, 10 m up from the corner of a fence. A flake currently blocks the way into a 4 m deep rift. The original GPS position, VN5150(9)9504(1); ETRS89: 30T 4514074794832 had the site at a position with no visible limestone. (The positions of sites 0404 and 0406 needs checking - they are to the east of 1914 and not the west?) Reference: anon., 2003b (Easter logbook); anon.,
2003c (summer logbook); Corrin Juan, 2005 Entrance pictures: Underground picture(s):
```

Video:

```
```

etailed
Line survey:

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

1915: cave (Goat Cave)
s Vega 30T 4514024795089 (Datum: ETRS89. S Vega 30T 451402 4795089 (Dat
Accuracy code: G) Altitude 390 m Accuracy cod
Length 5 m Area position

Updated 14th October 2004; 1st February 2006

A 5 m long open goat shelter.
Reference: anon., 2003b (Easter logbook); anon., 2004d (summer logbook); Corrin Juan, 2005 Entrance pictures: yes Underground picture(s):
```

Video:

```
```

Video:

```
```

Video:

```
Detailed surve
Line survey:
Line survey:
On area surve
Survex file:
x

1916: cave
S Vega 30T 4514834794894 (Datum: ETRS89. Accuracy code: G) Altitude 385 m Length 3 m
Area position

A ruined fence surrounds an open hole sloping down into a 3 m choked cave.

Reference: anon., 2003b (Easter logbook) Entrance pictures:
Underground picture(s):
Video:
Detailed survey
On area surve
Survex file:

Reference: anon., 2003b (Easter logbook); anon., 2003c (summer logbook); Corrin Juan, 2005 Entrance pictures: yes Underground picture(s):

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\section*{1919: diq}

\section*{S Vega 3014515774794875 (Datum: ETRS89} Accuracy code: G) Altitude 380 m Area position

Updated 1st February 2006
A sandstone block covers a draughting rift cave running into the hill

Reference: anon., 2003b (Easter logbook); Corrir Reference
Juan, 2005 Juan, 2005
```

Underground picture(s)

```
Video:
Video:
Detailed survey
Line survey:
On area survey:
Survex file:
x
1920: shaft
S Vega 30T 4516434794791 (Datum: ETRS89.
S Vega 30 T 4516434794791 (Dat
Accuracy code: G) Altitude 395 m
Length 4 m Depth 4 m
Area position
Updated 27th October 2003; 1st February
2006
This shaft - covered with fence poles and slabs - lies 50 m southwest from a barn with a new roof. A narrow, 4 m deep shaft that chokes.

Reference: anon., 2003b (Easter logbook); anon. 2003c (summer loghook); (Easter logbook), Entrance pictures: yes

1921: cave
S Vega 30T 451799 4794719 (Datum: ETRS89 S Vega 30T 4517994794719 (Da
Accuracy code: G) Altitude 440 m
```

Length 5m

```
Area position

Updated 27th October 2003; 1st February 2006

This site lies 70 m N of a barn and has wooden poles on either side of the entrance. A choked cave.

Reference: anon., 2003b (Easter logbook); anon 2003c (summer logbook); Corrin Juan, 2005 Entrance pictures: yes
Underground picture(s

On area surve
Survex file:

\section*{Survex file:}

\section*{X}

\section*{1923: cave}

SVega 30T 4515754794835 (Datum: ETRS89. Accuracy code: G) Altitude 391 m Length 7 m

\section*{Area position}

Updated 1st February 2006
A 4 m wide, low cave entrance at the base of a limestone outcrop. A crawl of about 7 m reaches the back, and the site appears to choke all round.

Reference: anon., 2003c (summer logbook); Corrin Juan, 2005 Entrance pictures: yes Underground picture(s): Video:
Detailed survey:
Line survey:
Survex file:
X
1924: shaft
S Vega 30T 4515824794906 (Datum: ETRS89.
Accuracy code: G) Altitude 367 m S Vega 30T 4515824794906 (Datu
Accuracy code: G) Altitude 367 m
Length 12 m Depth 7 m
Area position
Updated 1st February, 20th May 2006
A vegetated depression, downhill and to the east of site 0306. A slither down the entrance slope leads to the top of a 7 m pitch which chokes with mud. A parallel shaft, entered from a climb up from the bottom, has not been descended; there may be possiblities in a rift at the far side.

At the start of the Easter 2006 activities, the site was the scene of a successful calf rescue.

Reference: anon., 2003c (summer logbook); Corrin Juan, 2005; anon., 2006b (Easter logbook) Juan, 2005; anon., 2006b
Entrance pictures: yes Entrance pictures: yes
Underground picture(s)
Video: entrance and underground pitch Sketch survey: scan from log book
Line survey:
On area survey
Survex file:

\section*{x}

1925: cave
S Vega 30T 451487 4794892 (Datum: ETRS89. Accuracy code: G) Altitude 385 m Length 4 m Depth 3 m Area position

Updated 1st February 2006
A 3 m drop down a soil slope to a small, choked chamber.

\section*{Reference: \\ Juan, 2005 anon., 2003c (summer logbook); Corrin} Entrance pictures: yes Underground picture(s):
Video:
Detailed survey
On area surve
Survex file:
x
1926: cave
SVega 30T 451481 4794841 (Datum: ETRS89. Accuracy code: G) Altitude 410 m
Length 3 m Depth 5 m Area position

Updated 1st February 2006
An obvious 1 m diameter tube which has a 5 m deep, tight drop in the floor just inside. The rift may enlarge.

Reference: anon., 2003c (summer logbook); Corrin Reference
Juan, 2005
Entrance pictures: yes
```

Underg

```
Video:
Detailed survey:
Line survey:
One survey:
On area surve
Survex file:
X

1927: dig
S Vega 30T 451605 4794719 (Datum: ETRS89. Accuracy code: G) Altitude 427 m
Depth 4 m Depth 4 m
Area position
Some boulders have been removed from this shaft, but it appears to be choked 4 m down.

Reference: anon., 2003c (summer logbook) Entrance pictures: yes Underground picture(s): Video:

MATIENZO UNDERGROUND - site descriptions (printed \(19102 / 2022\)
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$$
\begin{array} { l } { \text { Line survey } } \\ { \text { On area sul} } \end{array}
$$

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Corre sury

```
1928: shaft
S Vega 30T 4518904795116 (Datum: ETRS89.
Accuracy code: G) Altitude 307 m
Length 2 m Depth 2 m
Area position

A \(2 m\) deep climb down under a limestone outcrop, just to the west of site 0776 .

Reference: anon., 2003c (summer logbook) Entrance pictures: yes Underground picture(s)
```

Video:

```
Detailed survey
Line survey:
On area survey
Survex file:
1929: dig
SVega 30T 451827 4794912 (Datum: ETRS89
Accuracy code: G) Altitude 377 m
Length 5 m Depth 3 m
Area position
Updated 1st February 2006

An excavated entrance that drops 2 m to a set of tiny beddings and rifts that may yield to some more digging. The site has an excellent draught out. Bottom entrance 30T 04487524798020 (Datun ETRS89. Accuracy code: A) Altitude 203m Length 7493 m Depth 101 m Vertical Range from 232 m (Top Tip) to 130 m (downstream soakaway) Area positior

Updated 5th, 16th May, 13th June, 6th, 24th August , 14th October, 6th November 2004; 22nd February, 11th October 2005; 1st February, 20th May 2006; 8th, 27th October 2007; 16th April, 8th November 2008; 7th, 19th May 2009; 26th June 2010; 6th January, 14th May 2011; 1st July 2018; 18th May 2023

On May 8th 2010, the entrance was seen to have partially collapsed. After further
inspection a year later it is thought a short dig would be enough to re-open the cave. dig would be enough \(t\)
(See entrance photos)
The cave was open when an underground The cave was open when an underground
trip to check the route to the downstream trip to check the route to the downstrea
boulder choke took place in April 2023.

Entrance Series
The Top entrance is above and to the east of the sink. A strongly draughting rift has been enlarged to allow entry. A 6 m drop enters a very tight descending tube that has also been enlarged. Below, a climb down enters the passage coming in from the bottom entrance.
The Bottom entrance has been excavated in the cliff-lined hollow containing the sink and cave 553. A slide down over mud and cave 553 . A slide down over mud and
boulders into a small, solid chamber is followed by a flatout crawl round to the right that emerges in a small enlargement. that emerges in a small enlargement.
(Carrying straight on at the base of the (Carrying straight on at the base of
entrance slope enters a wet, 1 m wide entrance slope enters a wet, 1 m wide bedding \({ }^{\text {airspace). }}\)
On the right leads to a small aven, and On the right leads to a small aven, and to
the left passes under the route from the top the left passes under the route from the top entrance. The passage continues mainly stooping or hands and knees crawling. After about 140 m a small chamber is met where a climb up a rift on the right takes the draught, leading to Loop Pitch and Pinnacle Passage.
Continuing past the chamber the main route reaches a bouldery chamber where the stream enters at several points on the left; there is usually no flow here in dry weather The water has not been pursued upstream.

Loop Pitch
The Loop Pitch route goes off the entrance passage, where a rift goes up on the right from a small enlargement. This climb rises 11 m to a calcite choke. About halfway up, another rift on the right becomes small and then enlarges at the top of a 5 m ladde climb. In summer 2007 a bypass was discovered that cuts out the pitch entirely: MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) Volume 3 - page 76

The Samurai Tiger Bypass sets off lower
down the rift, on the right, and two left turns brings the explorer out into Pinnacle Passage, about 15 m southwest of Loop
Pitch. The remaining 200 m of passages Pitch. The remaining 200 m of passages beyond the bypass turnings are generally
small and end in digs which appear to be heading towards site 2091 at the base of the hill southwest of the entrance
hill southwest of the entrance.
At the base of Loop Pitch, 5 m high Pinnacle At the base of Loop Pitch, 5 m high Pinnacle
Passage, sets off in two directions. To the Passage, sets off in two directions.
northeast, a calcited boulder choke
northeast, a calcited boulder choke
(probably from the surface) is met where (probably from the surface) is met where
routes may exist over the top and straight routes may exist over the top and straight
on towards another choked passage about 15 m away. During wet weather, a large stream enters at this end.
To the southwest, the walking size passage passes floor pinnacles and then becomes smaller with broken calcite on the floor. A pile of boulders is reached which should have "Station 228" marked on paper. This was the furthest point surveyed by the Easter 2004 team that explored to here from the bottom of the cave through Passage of Vom. The remainder of Two Fools Passage and The Evidence of Measure is described below
During the summer of 2004, a small high During the summer of 2004, a small
level series was explored connecting level series was explored connecting
Pinnacle Passage with Two Fools Passage. Taters Deep, Mountain High is reached via Taters Deep, Mountain
the rift continuing northwest from station 228. The narrow route splits: the passage straight ahead becomes too tight and the passage to the left also splits with all routes ending up about 5m above Pinnacle Passage opposite Loop Pitch. By climbing 9m up near the start of Taters Deep, Mountain High a "very good looking" high level passage is reached with a flat roof. This heads south
west for 40 m but closes down. Part way west for 40 m but closes down. Part way along there is a bouldery climb down to the oulder pile at station 228

Meander Passage and Maze Area From the bouldery chamber, going left follows large passage with fine incised stream. The end chokes: a route through boulders on the right following a strong draught comes to within a few metres of the draught comes to within a few metre
boulders in site 1725 . (This has been confirmed with a voice connection). Near th start of Meander Passage a well decorated passage on the right runs for about 200 m ear the start, a route off on the right enters a maze of rifts, not fully explore One passage ends at a choke close to Pinnacle Passage. There are a number of connections down to the main streamway. In 2007, a passage up on the left near the start of Meander Passage was entered via
4 m climb up. Wounded Knee Series is a complicated set of smallish passages with some good formations and deep mud. At Easter 2008 this was surveyed down into Meander Inlet (survey batch _08_01) In the same year, the passage heading off to the north east (NB Passage) was confirmed as ending in a stal and mud choke and all side passages had nothing of any note.
On a trip in October 2008, it was confirmed that another unsurveyed pretty chamber exists in this area.

Main streamway down to Eye-glasses Passage
From the bouldery chamber, the stream runs off right and can be reached 40 m further by taking a sandy crawl. Another 40 m downstream, just after a low section with formations, a passage on the right links back to the stream; on the left a passage connects to an aven with passage visible at the top. A climb before the aven up a rift connects to the Maze Area. Continuing downstream, for the next 150 m there are several levels of interconnecting oxbows, with a number of small inlets. At about 300 m from the bouldery chamber, traversing above the stream on the right enters Eye-glasses Passage. The Eye glasses are a pair of parallel tubes. Some glasses are a pair of parallel tubes. Some
70 m above Eye-glasses Passage is the large chamber in Cueva Candenosa and the chamber in Cueva Candeno
pitches in Torca Candenosa. following an inlet down to the right, while to following an inlet down to the right, while ts the left Grabba's Oxbow sets off for 90 m . This rejoins the main stream just beyond the sumpy section. This is much smalle
than the previous oxbows but has man than the previous oxbows but has many
small inlets entering along it's length. The small inlets entering along it's length. Th
largest, at the beginning, becomes very tight. However, the next inlet is the route to dry bypass to this section and continues unexplored beyond a few blocks
The streamway continues past formations to Cascade Climb which is a 3 m handline climb (bolt belay). Within 15 m a 5 m pitch is met (bolt \& thread belays). A climb across the top of the 5 m pitch enters an alcove. Beyond, the stream can be followed, or a after the ladder pitch. Both passages meet MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024
bouldery chamber where the water
disannears This was nushed down disappears. This was pushed down and up
during the summer 2004 expedition. About 50 m after the pitch, in the stream, the T4 Inlet enters on the right. This begins as Inlet enters on the right. This begins as
stooping passage which soon degenerates into crawling in water. The end is quite into crawling in water. The end is quite
sharp and becomes too tight to progress sharp and becomes too tight to progr
Following the water down through the Following the water down through the
boulders passes one squeeze and the boulders passes one squeeze and the
stream then descends steeply to the head stream then descends steeply to the head of an 11 m wet pitch. At the base, the way
is under the deluge and down a boulder slope. The bottom levels out and the water sinks in a small hole near an apparent fault (altitude 127 m ). An alternative route down exists to the east, beyond the p11 where an 8 m pitch drops to a tight route through to the base of p11
"Upstairs" in the boulder choke has been enlarged and boulders removed. The possible route onwards appears unstable with boulders in clay. This was last looked at during Easter 2009, when another leg was surveyed.
On an 8-person trip to the boulder chamber on April 13th 2006, about 21 litres of optical brightener solution (containing 2.1 kg of Tinopal CBS-X) was poured into the wate Cotton wool detectors were installed at Los Boyones, a resurgence at Arronte and at Boyones, a resurgence at Arronte and at Fuente Aguanaz. The OBA was successfull detected at Fuente Aguanaz after 5 days. This result obviously begs the question: Where is all the passage that is feeding Goo litres per sec average flow to
Fuente Aguanaz? Fuente Aguanaz?
The paper documenting the equipment, methods and results can be read here. Some suggestions as to where else th water may go to are outlined here.

Wessex Inlet
In the eastern side of the chamber, in the roof, the Wessex Inlet goes off. A wide stooping height tube leads off until the inlet stream is met coming towards you and sinking in the floor. Shortly after, the inlet sinking in the floor. Shortly after, the
splits with a good portion of the water splits with a good portion of the water coming from a small passage on the left. dry side passage goes off here to a crawl with several echoey pocket avens overhead Continuing on, the inlet gets smaller over the next 100 m until a low wet bedding is met which sumped. This was dug in October 2004 to allow the sump to drain. Further progress has been made along the passage through tight and chiselled sections to where a "calcite island" is reached with water all round and a draught. A wet suit is now required to make further progress. The site was pushed slightly further at Easter 2006.

Passage of Vom and Just an Inlet
Thirty metres before the boulder chamber is reached, this major inlet comes in on the right. It is entered from the high level route below the 5 m pitch. The passage begins dry for 50 m to a side passage on the right whi leads down to the stream. Continuing straight on leads to a climb and continuation to emerge as a pitch down to the stream (not descended). The streamway gets bigger as progress is made upstream. Part of the water comes from a low calcite crawl on the left. The passage continues to a 10 m wide breakdown chamber. The streamway gets low in a bedding on the left, but the way on is up a mud bank at the end of the chamber At a 3 m pitch back down, the streamway can clearly be heard.
Beyond this drop, best rigged with a ladder as a low wide bedding on sandstone. By keeping to the left most of this section cal be passed by crawling. Soon the passage increases in size to a tall narrow rift with roof tube occasionally visable (the Highs ano Lows). There are a number of places where it is necessary to climb up over jammed號 from an immature passage on the right, with the way on up and down several muddy ramps, before returning to the main stream passage
The passage widens and there are more
breakdown blocks. At one blockage it is necessary to crawl with the stream. At a second large blockfall the streamway soon becomes too small and the way on is up balanced blocks to the much larger roo la lad tout crawl to the right at roo level leads to Rat Junction. Old fossil passage leads in both directions Right was originally followed for approximately 500 m (The Evidence of ceasure) in passage \(2 \times 1 \mathrm{~m}\) with some breakdown, but enlarging to \(4 \times 2 \mathrm{~m}\) near the end. After about 300 m a junction is met (marked station 219) with the righthanc below.
Easterd station (marked station 228) for the Easter 2004 explorations was left on the top of a small block fall in Two Fools Passage MATIENZO UNDERGROUND site descritions (rinted 19022 Volume 3 - page 78
now been connected via a 5 m pitch up to
Birthday Passage
Starting at station 219, two routes combine in walking size passage floored with shiny, cracked mud. A section of passage with a rift in the floor is followed by a breakdown area with a climb up over boulders and a slide down under blocks. One of the be decorated sections of the cave is then reached, followed by more walking passage until the route becomes small. Ahead appears to choke while a couple of short crawls to the right combine on the boulders above the stream at station 180, near to Ra Junction. Birthday Passage Extension is high level breakdown that continues east above the stream. It is possible to climb down at a number of points.

Going south at Rat Junction enters a
chamber with station 230. The obvious route to the west leads over breakdown to a pitch up after 50 m . This has been climbed by throwing a ladder over a stal to gain half th height and then throwing a rope through a thread at the top. A rift passage starts well but after a 5 m climb degenerates into a narrow rift and closes down after 50 m .

Big Keyhole Series
passages in this area appear to collect water from the east - west valley to the water from the east - west valley to the south of the cave entrance. The higher routes end in chambers with sandstone beds and breakdown, while the lower routes carr
the water to Just An Inlet. the water to Just An Inlet
Back in the chamber with station 230, a passage on the southern wall leads to a short climb down into a rift passage which goes north and south.
oo the north, after a grotto is reached, a small hole in the floor leads to a junction. A flat calcite floor leads to a blockage to the northwest after 15 m . To the south, a large chamber in entered with calcited inlets flowing across the floor from bouldery areas To the south in the rift, a short crawl emerges at the top of a 4 m climb down into another sandstone chamber (with station 10) where water flows down to the north. A mud-floored tube at the low point links to the water through a small boulder choke The water can be followed downstream to a complicated area of breakdown wh Upstream has been followed for about 100 m a sandstone floor and a 20 m drippy 100 m Two routes from the chamber lead to a third Two routes from the chamber lead to a third sandstone chamber (with station 13). A 7m climb at the southwest end of the chamber leads to twin, 25 m avens. At the southeast corner, upward trending passage leads into Top Tip, blocked with breakdown. A 3 m climb to open passage on the northern side of Top Tip has yet to be climbed.

Just an Inlet Inlet
This is another series of passages that bring water into Just an Inlet from sandstone breakdown chambers and along sandstonefloored stream passages. The series ends in high avens and draughting slots. A passage carrying water to the east joins Just an Inle at floor level.

Evidence Oxbow Series
This has been pushed through boulder breakdown to a series of passages with several leads still open and draughting. These were pushed in the following year. The crawl at the end of the series continued for about 30 m through very small passage
to where it became too tight with a boulder to where it became too tight with a boulder
blocking the way. The inlet on the southern side of side of the Oxbow Series continues for about 40 m upstream through rift passages just above stream level to a small chamber. The passage continues west with flowstone floor. At the end, the passage becomes lower with a mud floor. A restriction has been excavated but the passage ends. From the chamber, the stream could only be followed for a short distance (unsurveyed).

The original explorers in Just an Inlet, stopping about 70 m from the entrance passages took two and a half hours to tatrace steps back to daylight. This point
takout 30 minutes to reach via the rift and Loop Pitch. The disappearing
downstream water is about 700 m from a flowing sump in Torca de Regaton but the flowing sump in Torca de Regaton but the
Wessex Inlet comes to within 330 m of the same cave.

The first round trip was completed on 20th April 2006, entering the dry series first dow through Vom Inlet and returning up the main stream.

Over three days in July 2011, the upstream course of Fuente Aguanaz (or, at least, part of it) was dowsed. The furthest point eached was a small sink close to the
MATIENZO UNDERGROUND - site descripions (printed 19/02/2024)
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entrance of the Sumidero de Cobadal (site route, on the north side, 3 wide reactions were noted. See the links below.
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\begin{array} { l } { \text { Link to } } \\ { \text { Index.} } \end{array}
$$

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Reference: anon., 2003c (summer logbook); ano 2004b (Easter logbook); anon., 2004c (Whit logbook); anon., 2004d (summer logbook); anon.,
2004e (autumn logbook); anon., 2005a (February logbook); anon., 2005b (Easter \& summer); Corri Juan, 2005; Corrin Juan, 2006a; anon., 2006b
(Easter logbook); Corrin Juan, 2006 (survey): (Easter logbook); Corrin Juan, 2006 (survey); Corrin
Juan, 2007; anon., 2007b (Easter logbook); Corrin Juan, 2007; anon., 2007b (Easter logbook); Corrin
Juan and Smith Peter, 2007 (photos and survey); Juan and Smith Peter, 2007 (photos and survey);
anon., 2008c (Easter logbook); Corrin Juan, 2007a ann., 2008f (autumn 2008); Corrin Juan, 2009; anon., 2009a (Easter logbook); anon., 2010b (Easte logbook); León García José, 2010 (Volume 1 and Volume 2) (survey); anon., 2011b (Easter logbook)
Papard Philip, Corrin Juan and Smith Peter, 2014; Papard Philip, Corrin Juan and
anon., 2023 b (Easter logbook)
Entrance pictures:
entrance, 2010-2011
entrance,
Underground picture(s):
Pictures taken Easter 2009: Round trip and upstairs
Pictures taken Eas
in boulder choke
Pictures taken 2007: NB Passage (off Meander
Passage) and Wounded Knee Series
Optical brightener test, Easter 2006
Optical brightener test, Easter 2006
Pictures from summer 2004 : Photos from Easter
Pictures
2004
Video:
Short video recording some aspects of the round
trip, Easter 2009 by Julian Todd ( 22 Mb )
Snippets from summer 2004. Filmed by Juan Corrin
with Ian Chandler,
with Ian Chandler,
Peter Clewes, Jenny Corrin, Nigel Dibben, James
Gelling, Paul Gelling
Gelling, Paul Gelling, Corrin, Nigel Dibben, James
Gareth Goodall, Ashl
Gana Ancáková, Peter Carný, Wright, Jozef
信,
Pavol Cerven and Jana Cervenová.
Peter Clewes in the entrance
entrance entrance passages 12
entrance entrance passages 12
early stream passage deeper water streamway 3
45 streamway - Ian Chandler
Paul Gelling on 3 m - Ian Chandler
pitch Nigel Dibben on 5 m pitch
Eye-glasses Passage Meander Passage Crawl ne
entrance down rift back from Loop Pitch
Up rift to Loop Pitch Loop Pitch 122 Pinnacle
\(\begin{array}{llll}\text { Passage } 1 & 2 & \text { Two Fools Passage } \\ \text { Birthday Passage: } & 1 & 2 \text { traverse boulders }\end{array}\)
Snippets from 2003
top of drop into top entrance lower down drop
walk to the sink area in the middle distance
Detailed survey: first draft from Easter 200
\((540 \mathrm{~kb})\)
Surver) Whit 2004 summer 2004 pdf file
Line survey
On area survey: Dowsing reactions close to this
cave : All dowsing reactions in the supposed Fuente
cave : All dowsing reactions in the supposed Fu
Aguanaz catchment. (Article about the dowsing
carried out in July 2011 can be found here.)
Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, Apri
coordinates altered to fit ETRS89 datum, Ap
2014.)
cave with neighbours (Amended magnetic
declination December 2013 to align with Eur79 grid
and coordinates altered to fit ETRS899 datum
and co
2014.)
Passage direction rose diagram: \(1 / 7 / 2018\)
1931: Green Pepper Cave
Cobadal 30T 4484804797703 (Datum: ETRS89
Accuracy code: A) Altitude 220 m
Length 29 m
Area position

Updated 17th October 2004; 1st February 2006; 21st October 2010

The entrance is at the right hand side of a vegetated depression, near a field of green peppers. A climb down to a small, excavated stream passage leads through a flat out crawl that swings left after a pool, and chokes after another 10 m with calcite. The reasonable-sized stream passage is floored with sandstone.

Reference: anon., 2003c (summer logbook); anon., 2004d (summer logbook); Corrin Juan, 2005 Entrance pictures: ye
Underground picture(s): yes Video: by Juan Corrin
Ali Neill \& Harry Hesketh at entrance Ali Neill and green pepper crop
climbing above crawl stream passage 123
surveying 122345
1
Detailed survey: 1:500
Line survey:
On area survey:
Survex file: yes (Amended magnetic declination Survex file: yes (Amended magnetic declina
December 2013 to align with Eur79 grid and December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.)
x
1932: shaf
Bosmartín 30T 4509404798353 (Datum: ETRS89 Accuracy code: G) Altitude 549 m
Depth 3 m
Area positio
Updated 1st February 2006
An undescended 3m deep hole in a small bramble-filled shakehole on the ridge line. The bottom is mud-floored and appears to choke

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Reference: anon., 2003c (summer logbook); Corrin Juan, 2005

\section*{etailed sur} Line survey: Survex file:
X
1933: shaft

Updated 1st February 2006
An obvious entrance in a small rock outcrop ies behind bushes. A short crawl turns to the right and encounters a 2 m climb down to the head of a 5 m pitch into a roomy chamber. The hole in the floor chokes and chamber. The hole in the floor chokes and Daylight can be seen up a narrow rift on the Daylight can be seen up a narrow
other side of the chamber, and the other side of the chamber, and the corresponding hole on the surface lies to the east on the same outcrop line

Reference: anon., 2003c (summer logbook); Corrin uan, 2005
Entrance pictures: yes
Underground picture(s):
Video: by Juan Corrin with Tony Brocklebank: entrance entrance crawl
climbing down pitch climbing up pitch
Detailed survey: 1:500 Line survey: On area survey Survex file: yes (Amended magnetic declination Survex file: yes (Amended magnetic declina December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014 x
1936: shaft
S Vega 30T 4521714794910 (Datum: ETRS89 Accuracy code: G) Altitude 417 m Length 6 m Depth 3 m

\section*{Area position}

Updated 1st February 2006; 24th September 2018

The grid reference was confirmed in 2018.
\[
\text { A } 2.5 \mathrm{~m} \text { drop to a } 3 \mathrm{~m} \text { long, low passage that }
\] chokes at a possible dig

Reference: anon., 2003c (summer logbook); Corrin Juan, 2005; anon., 2018c (summer logbook) Entrance pictures: 2003, 2018 Underground picture(s): Video: Line survey:
On area surve On area sury
Survex file:
x
1937: depression S Vega 30T 4521564794898 (Datum: ETRS89 Accuracy code: A) Altitude 425 m Area position

Updated 30th April 2016; 8th May, 24th
September 2018 September 2018
[Previous grid references are 30T 452153 4794901 and 30T 4521704794901 .]

A vegetated depression that has sandstone blocks and a limestone face. At Easter 2016, it was not looked at in detail. It was again it was not looked at in detail. It was again
investigated in March 2018 and the position investigated in March 20
confirmed in July 2018.

Reference: anon., 2003c (summer logbook); anon., 2016b (Easter logbook); anon., 2018b (East Entrance pictures: 2003 and 2016: March Entrance pictures: 2003 and 2016 : March \& summer 2018
Video:
Line survey
On area survey Survex file

1938: dig
S Vega 30T 4514284794791 (Datum: ETRS89 S Vega 30 t
Accuracy code: M) Altitude 442 m Accuracy code
Area position

\section*{Dig.}

Reference: anon., 2003c (summer logbook) Entrance pictures: Underground picture(s
Video:
Line survey:
On area survey
Survex file:

\section*{1939: dig}

S Vega 30T 4514084794891 (Datum: ETRS89 Accuracy code: M) Altitude 403 m
Area position Area positior

The entrance lies up in the trees on left of the northern track to Carcavueso. An excavated hole that is a crawl enlargin slightly to another excavated section up to the top of a rope climb down a 6 m slipper slope into a chamber. This has some well decorated sections and leads to a climb up and down through boulders to a flat out glutinous crawl into another decorated chamber that terminates in a draughting boulder choke.
The cave trends north and lies between the eastern end of Bollon and the western end of Carcavueso.
In 2010 the entrance had collapsed.
Reference: anon., 2003c (summer logbook); Corrin Reference: anon., 2003c (summer logbook)
Juan, 2005; anon., 2010c (summer logbook)

Jane Chilton and Tim Allen surveying ( 1.8 Mb )

Roped slope ( 0.9 Mb )
Squeeze through at slope top ( 1.7 Mb ) Detailed survey: 1:500 Line survey: Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid anc December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.
x

\section*{1942: shaft}

S Vega 30T 4517454794981 (Datum: ETRS89. Accuracy code: G) Altitude 325 m Length 3 m Depth 3 m Length 3 m
Area position

Updated 1st February 2006
A 3 m deep shaft.
Reference: anon., 2003c (summer logbook); Corrin uan, 2005 Entrance pictures: Underground picture(s): Video: On area survey Survex file:
x
1943: shaft
Sega 30T 4517484794981 (Datum: ETRS89.
Accuracy code: M) Altitude 326 m
Length 9 m Depth 4 m
Length 9 m D
Area position

Updated 1st February 2006
Surrounded by one of two adjacent rectangular fences. A 4 m deep shaft to a 5 m tight rift.

Reference: anon., 2003c (summer logbook); Corrin Juan, 2005 Entrance pictures Underground picture(s): Video: Line survey: On area surve
Survex file:
X

1944: shaft
S Vega 30T 4517484794981 (Datum: ETRS89 Accuracy code: M) Altitude 326 m Length 3 m Depth 3 m Area position

Updated 1st February 2006
Surrounded by one of two adjacent rectangular fences. A 3m deep shaft.

Reference: anon., 2003c (summer logbook); Corrin Reference
Juan, 2005 Entrance pictures Underground picture(s): Video:
Line survey:
On area surve Survex file

X
1945: dig / shaft
Arredondo 30T 4500494793046 (Datum: ETRS89 Accuracy code: G) Altitude 550 m Area position

Updated 15th November 2022
A draughting shaft / dig above the downstream dive site in Cueva Vallina. downstream dive site in Cueva Vallina.
Guy Simonnot has search for the site - twic Guy Simonnot has search for the site - twice
in January 2022 - and states, " No cavity at in January 2022 - and state
the indicated coordinates".

Reference: Catalans 2003; Simonnot G, 2022 Entrance pictures: Entrance pictures:
Underground picture(s): Video: On area surve Survex file:

1946: shaft
Muela 30T 4543084796611 (Datum: ETRS89 Accuracy code: M) Altitude 720 m Length 10 m Depth 5 m Area position

Updated 1st February 2006
Situated near the base of a shakehole. This shaft is 5 m deep with a squeeze through to a second shaft up. There is no way on or draught.

Reference: anon., 2003c (summer logbook); Corrin Reference
Juan, 2005 Juan, 2005 Entrance pictures

A climb down into a shakehole with passage that passes under a shaft and an aven. The passage continues 4 ft high and 2ft across.

Updated 1st February 2006
A bramble-covered hole is a 2 m climb down to a choked floor

Reference: anon., 2003c (summer logbook); Corrin Juan, 2005 Entrance pictures: distant and closeup Underground picture(s): Video: Line survey:
On area surve On area sur
Survex file:
x
1951: shaft
El Naso 30T 450530 4796938 (Datum: ETRS89
El Naso 30T 4505304796938 (Da
Accuracy code: G) Altitude 427 m
Depth 3 m
Area position
Updated 1st February 2006

The lowest shakehole in a set of slumping depressions. An small, undescended hole with a red plastic bag choking the shaft about 3 m down.

Reference: anon., 2003c (summer logbook); Corrin Juan, 2005 .
```

Entrance pictures: yes

```
Underground
Video:
Line survey:
On area surve
Survex file:
Survex file:
x
1952: shaft
EI Naso 30T 4505484796914 (Datum: ETRS89.
Accuracy code: G) Altitude 436 m
Length 3 m Depth 2 m
Area position
Updated 1st February 2006
A small shaft in the third shakehole up in
the series running down across a field.
Reference: anon., 2003c (summer logbook); Corrin
Juan, 2005
Entrance pictures: yes
Underground picture(s):
Video:
Video:
Line survey:
Line survey:
On area survey
Survex file:
x
1953: shaft
Cubija 30T 4504614796827 (Datum: ETRS89.
Accuracy code: G) Altitude 410 m
Length 15 m Depth 10 m
Area position
Updated 1st February 2006

The \(4 \times 3 \mathrm{~m}\) shaft top is hidden under a limestone overhang. A 10 m deep, roomy shaft to a choked floor.

Reference: anon., 2003c (summer logbook); Corrin Reference
Juan, 2005 Entrance pictures: yes Underground picture(s): yes
Video: Video: Line survey: On area surve
Survex file:
X
\(\frac{\text { 1954: shaft }}{\text { Muela } 30 T 4543514796191 \text { (Datum: ETRS89 }}\)
Muela 30T 4543514796191 (Datu
Accuracy code: G) Altitude 740 m
Accuracy cod
Area position

Updated 1st February 2006; 13th May 2022
A tight entrance to this shaft that needs hammering out. Stones drop for 1-2 seconds then roll for 5-6 seconds. The shaft appears to widen below. The hole could not
be found in April 2022 . Reference: anon., 2003c (summer logbook); Corrir
Juan, 2005; anon., 2022b (Easter logbook) Entrance pictures: Underground picture(s): Video: On area surve Survex file: stal. Also see site 384 .

\section*{Line survey
On area su}
choked.
Reference: anon., 2003c (summer logbook); Corrin
Juan, 2005
Entrance pictures:
Underground picture(s)
Video:
Line survey:
On area survey
On area sur
Survex file:
1958: shaft
Mullir 30T 4558944795854 (Datum: ETRS89
Accuracy code: G) Altitude 537 m
Length 2 m Depth 2 m
Area position
Updated 6th May 2004; 1st February 2006
A 2 m deep, mud-filled shaft.
Reference: anon., 2003c (summer logbook); anon.,
Reference: anon., 2003c (summer logbook
2004b (Easter logbook); Corrin Juan, 2005
2004b (Easter logbo
Underground picture(s)
Video:
Line survey:
On area survey:
Survex file:
1959: dig
Mullir 30T 455668 4795790 (Datum: ETRS89
Mullir 30 T 4556684795790 (Datu
Accuracy code: G) Altitude 590 m
Area position
Updated 1st February 2006; 4th November
2009
A draughting dig in the base of a shakehole.
The site was dug for an hour but stronger
measures are required.
Reference: anon., 2003c (summer logbook); Corrin Juan, 2005; anon., 2009c (summer logbook) Entrance pictures: three photos Underground picture(s)
Video:
Video:
Line surve
On area survey
Survex file:

Updated 1st February 2006; 18th May 2023
A boulder-floored dig in a field above Simas del Picón with a strong draught in. It was ound draughting in on a \(17^{\circ} \mathrm{C}\) day in April 2023 when the grid reference was also checked.

Reference: anon., 2003c (summer logbook); Corrin Jan, 2005; anon., 2023b (Easter logbook) Entrance picture: 2023 Entrance picture: 2023
Line survey:
On area survey
Survex file:
x

1962: shaft Piluca 30T 4519944793997 (Datum: ETRS89 Piluca 30T 4519944793997 (Datu
Accuracy code: G) Altitude 626 m Accuracy code: G) Altitu
Length 11 m Depth 10 m Length 11 m D
Area position

Updated 1st February 2006
A boulder-capped hole with a bouldery shaft A descent over boulders leads to a free climb down and a streamway that "lasts for \(1 \mathrm{~m} "\).

Reference: anon., 2003c (summer logbook); Corrin Reference
Juan, 2005 Entrance pictures: yes Underground picture(s): Video: entrance preparations On area survey Survex file:
x

1963: shaft
S Vega 30T 4500334794801 (Datum: ETRS89. Accuracy code: G) Altitude 440 m Length 3 m Depth 3 m
Area position
A 3 m climb down to a choked floor.
```

Reference: anon., 2003d (autumn logbook)
Entrance pictures: yes
Underground picture(s)
Undergro
Video:
Line survey:
On area sur
X
1964: shaft
S Vega 30T 4500814794849 (Datum: ETRS89
Accuracy code: G) Altitude 452m
Length 4m Depth 4m

```
Area position

A tight, excavated entrance onto a 4 m climb down into a choked rift. The top should be covered with a block

\section*{Reference: anon., 2003d (autumn logbook)} Reference: anon., 2003d
Entrance pictures: yes Underground picture(s):
Video: Ian Chandler descending 12 Video: Ian Cha
Line survey: On area surve) Survex file:
1965: cave
1965: CaVe
S Vega 30T 4500614794442 (Datu
Accuracy code: G) Altitude 445 m
Accuracy code: G) Altit
Length 5 m Depth 4 m
Area position
A \(2 m\) climb down in a rift to where it is
possible to see down another 2 m in a 5 m
possible
long slit.
Reference: anon., 2003d (autumn logbook)
Entrance pictures: yes
Underground picture(s)
Undergro
Video:
Line survey:
On area survey
Survex file:
x
1966: dig
Seldesuto 30T 4495444794620 (Datum: ETRS89.
Accuracy code: G) Altitude 271 m
Area position

A wet weather stream sink at the base of a 1 m high waterfall, just below where the river bed is first crossed by the track. The pool absorbs a reasonable flow as shown on the video

Reference: anon., 2003d (autumn logbook) Entrance pictures. Underground picture(s): Video: stream sinl Line survey: On area survey:
Survex file: Survex fil

X
1967: shaft
Ozana 30T 4553644794455 (Datum: ETRS89 Accuracy code: G) Altitude 512m

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\section*{Length \(6 m \mathrm{me}\)
Area position}

Updated 16th April 2008; 30th April 2016
An open hole in the trees. A 4m pitch drops to a couple of alcoves. The site was redescended at Easter 2008 and again at Easter 2016 when "nothing interesting" was seen.
The site could be 901 but that is located 70 m to the east.

Reference: anon., 2003d (autumn logbook); anon., 2003e (Christmas logbook); anon., 2008c (Easter logbook); anon., 2016b (Easter logbook) Entrance pictures: yes
Video:
Line surve
On area survey
Survex file:

1968: shaft
Cruz Llorada 30T 4515774798089 (Datum ETRS89. Accuracy code: G) Altitude 378 m Area position

A small shaft top just below the track needs digging out. It seems to be about 5 m deep.

\section*{Reference: anon., 2003d (autumn logbook)} Entrance pictures: yes Underground picture(s) ideo: Line survey: Survex file:

\section*{1969: shaf}

Alisas 30 T 4472584794591 (Datum: ETRS89 Accuracy code: M) Altitude 622 m Length 72 m Depth 47 m Area positio

Updated 6th May 2004; 13th October 2011; 2nd December 2014; 8th May 2018

A large shaft on a corner of the road just to the north of, and below Alisas. Road workings have left a slope of rubble down into the first part of the shaft. At the base about 30 m down, it is possible to throw rocks into a continuation where they seem to fall about 40 m into a chamber. With the position of the site, it must have been descended before by other groups, although no signs were noticed
The shaft was descended over Easter 2004. A short horizontal section leads to the top of a 47.3 m drop in a choction leads to the top of a 47.3 m drop in a choked shaft with water sinking in the floor. A parallel shaft entered part way down ended at the same depth when investigated in November 2014. Further up the road, on the ground within the road hairpin there are a number of other sites which also take water: 2035, 2036 and 2037.

Dowsing in July 2011 failed to find any reactions on the road below all these sites. A summary of the dowsing results can be seen here.

Over Easter 2018, optical brightener was injected into this site and detected betwee 2 and 3 days later at Fuente Aguanaz (ir flood conditions). Other caves checked for OBA included Comellantes, La Riega and Wild Mare. These all proved negative. (Details of the water trace can be found here.)

Reference: anon., 2004a (February logbook) anon., 2004b (Easter logbook); anon., 2011d (summer logbook); anon., 2014d (autumn logbook); Entrance pictures: yes
Underground picture(s): yes
Video: Entrance John Forder bolting shaft top Video: Entranc
Line survey: Line survey:
On area survey

\section*{1971: shaft}

Ideopuerta 30T 4469484796051 (Datum: ETRS89 Accuracy code: M) Altitude 393m Length 7 m Depth 5 m

\section*{Area position}

This hole is to the east of site 1970, by a solitary tree. A 5 m free climb down into a rift which is choked by calcite is one direction.
```

Ference: anon., 2004a (February logbook)
Entrance pictures: ye
Underground picture(s):
Video:
Line survey:
On area surv
X
1972: shaft
Ideopuerta 30T 4464194795599 (Datum: ETRS89
Accuracy code: G) Altitude 388m
Length 19m Depth 14m
Area position

```

Updated 9th October 2007
This hole lies about 1 km from Ideopuerta, just below the track near a pronounced valley. A 9 m pitch drops to a shelf with a further 4 m to a sloping boulder floor that descends 2 m then levels out. The base chamber is about 2 m wide. There are a number of canine bones and a hole on the left has a slight draught.

Reference: anon., 2004a (February logbook) anon., 2007d (summer logbook); Corrin Juan, 2007a Entrance pictures: yes
Underground picture(s): yes
```

Video:

```
Line survey:
On area survey
Survex file:

1973: shaft
Las Calzadillas 30T 4475404795607 (Datum: ETRS89. Accuracy code: G) Altitude 413 m Length 25 m Depth 10 m

Updated 17th May 2015; 20th October 2016

This shaft lies about 50m above the road at some water troughs. A large shaft top which appears to be about 30 m deep with possibilities at the base. Water sinks in a
small cave to the north. The hole takes a small cave to the north. The hole takes a substantial stream in wet weather.
The shaft was descended in July 2006 and found to be \(8 \mathrm{~m}(!)\) deep and covered with dead ponies in plastic bags. The base is easy to dig.

In April 2015, the 8 m shaft was descended to a rubbish-covered floor, with a further \(3 n\) to a rubbish-covered floor, with a further 3 m
climb down under a wall into an offset small climb down under a wall into an offset small
chamber. A 1 m step up leads to 5 m of inlet passage blocked by fallen slabs. At the base passage blocked by fallen slabs. At the base
of the rubbish pile, a wet slot leads to a 2 m of the rubbish pile, a wet slot leads to a 21
deep, clean washed rift with a small inlet deep, clean washed rift with a small inlet
stream which closes down. A more accurate Stream which closes down. A more act
GPS reading was also taken (above).

Reference: anon., 2004a (February logbook); Reference: anon., 2004a (February logbook);
anon., 2006d (summer logbook); anon., 2015b (Easter logbook); anon., 2016c (summer logbook) Entrance pictures: Underground picture(s):
Line sur
On area survey:
:
Survex file:
x
1974: Machorras, Torca de Las Calzadillas 30T 446800 4795200 (Datum:
ETRS88. Accuracy code: G) Altitude 567 m Length 32 m Depth 32 m

\section*{Area positi}

Updated 6th May, 17th October 2004
An area of depressions with an area about \(500 \times 700 \mathrm{~m}\) leads up to the southwest from Barrio de Calzadillas. The depression with this shaft is near the northwestern extremit
of these features. The shaft is surround by barbed wire and has a small top with boulders. It could be about 40 m deep with stone rattling down for 7 seconds.
It was descended at Easter 2004 to a depth of 32 m to a bouldery slope and choke through which stones drop further.

Reference: anon., 2004a (February logbook);
anon., 2004b (Easter logbook) Entrance pictures: in snow distant close-up Underground picture(s): Video: Bill Nix exploring distant close up
Victure(s): Line survey: On area surve) Survex file:

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\hline
\end{tabular}

\section*{1975: Mortiro, Torca de}

Ideopuerta 30T 4469944796774 (Datum: ETRS89.
Accuracy code: G) Altitude 244 m Accuracy code: G) Altitude 244 m
Length 356 m Depth 101 m
Area position
Updated 6th, 16th May, 17th October 2004; 6th October 2006; 28th October 2007; 19th September 2013

This site lies at the end of a track, about 50 m up in the woods from 3 houses. The 6 m diameter shaft has a bridge of boulders part way down that can be reached from a more westerly hole that descends o boulders. The main shaft has an to terminate the valley stream bed.
sound of water
The site was pushed holes are found in the floor, but these

Heading along the rift a climb up over

\section*{Modated} 2016; 5th January 2018

A stream sink that takes all of the water (in moderate flow conditions) in one on the main valleys coming down from Alisas. The sink is a small pool against a limestone scar After a dry period, the pool dries out but there is no sign of any holes, draughting or otherwise, to dig out in the immediate acinity. Above the sink and on the other side of the road is an old cold store, site 3215, which is being excavated.
Over three days in July 2011, the supposed upstream course of Fuente Aguanaz (or, at least, part of it) was dowsed. The furthest point reached was a small sink close to the entrance of the Sumidero de Cobadal and a complicated set reactions were found around this sink, 1976. A number of other possible inlets and sinks were also highlighted. See the links below.

Optical brightener was poured into the sink on \(27^{\text {th }}\) March 2016 after overnight rain It was detected at Fuente Aguanaz on the nd April giving a throughput time of 4-7 days.

Reference: anon., 2004a (February logbook) non., 2004d (summer logbook); Corrin Juan, 2006 anon., 2009a (Easter logbook); anon., 2011b (Easter
logbook); anon., 2011d (summer logbook); anon., 2016b (Easter logbook) Entrance pictures: 2004 and 2009 : Injecting optical brightener, Easter 2016 Underground picture(s):
Video: duck in a sink Look Video: duck in a sink Looking down on the sink with water flowing from left to right : water level eter
Pete O'Neill in dry sink : wet conditions at Easter 2012 (YouTube) Line survey:
On area survey: Dowsing reactions close to this cave : All dowsing reactions in the supposed Fuente Aguanaz catchment. (Article about the dowsin arried out in July 2011 can be found here.) Survex file:

\section*{X}

1977: cave
Mullir 30T 4551784795178 (Datum: ETRS89. Accuracy code: G) Altitude 642 m Length 20 m Depth 15 m
Area position
Updated 28th February, 16th April 2008
A cave above Cueva de Cuatribu, high up or the southern slopes of Mullir with fine views over Matienzo and Cruz Uzano. There is a wall in the cave entrance with a 15 m shaft wall in the cave entrance with just on the other side of it. The shaft d
to a short rift, quickly choking in both to a short r
directions.

Reference: anon., 2004a (February logbook); anon., 2008b (February logbook); anon., 2008c Entrance pictur
Entrance pictures: distant close up
```

U Video:

```
Line survey
On area surve
Survex file:
1978: shaft
Alisas 30T 4463184794747 (Datum: ETRS89
Alisas 30T 4463184794747 (Datu
Accuracy code: G) Altitude 662 m
Accuracy cod
Depth 5 m
Area position

\section*{Updated 6th May 2004}

An undescended \(5 \times 1 \mathrm{~m}\) entrance to a 5 m deep shaft which is "probably blocked". Another hole to the southeast 8 m is marked CA-6.

Reference: anon., 2004a (February logbook) anon., 2004b (Easter logbook) Entrance pictures: ye Underground picture(s): Video: On area surve Survex file: side of a shakehole with a fir and holly tree. The site is marked CA-13 with an unaltered blank rectangle. The capped shaft at site 2056 is a few metres to the east.

Reference: anon., 2004a (February logbook), Reference: and (Easter
anon, 2004b
(Easter \& summer)
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Entrance pictures: in snow better weather
Underground picture(s):
Undergr
Video:
Line sur
Line survey:
On area survey
Survex file:
1980: shaf
Alisas 30T 4456184794685 (Datum: ETRS89.
Accuracy code: G) Altitude 683 m
Accuracy Co
Depth 4 m
Area positio
An undescended 4 m deep shaft.
Reference: anon., 2004a (February logbook)
Entrance pictures: yes
Undergr
Video:
Line survey:
On area survey
Survex file:
1981: shaft
Lueva 30T 4544784798591 (Datum: ETRS89
Llueva 30T 4544784798591 (Da
Accuracy code: M) Altitude 308 m
Lecuracy code: M) Alt
Length 5 m Depth 5 m
Length \(5 m\) D
Area position
Fifty metres east along the track from the
barn and tower is a hole covered by a
square steel plate. A 5 m deep, choked shaft.
Reference: anon., 2004b (Easter logbook)
Entrance pictures
Underground picture(s)
Video:
Line survey:
On area surv
Survex file:
x
1982: shaft
Llueva 30T 4542184798411 (Datum: ETRS89.
Accuracy code: M) Altitude 264 m
Length 12 m Depth 7 m
Area position
Small entrance over the top of a descending
rift. Depth about 7 m but narrowing as it
gets deeper. It is possible to traverse along
the rift at roof level over jammed, sandstone
blocks to the end of the rift. The distance to
the calcited end is 4 m .
Reference: anon., 2004b (Easter logbook)
Entrance pictures:
Underground picture(s)
Video:
Line survey:
On area surv
1983: cave
Llueva 30T 4542184798321 (Datum: ETRS89.
Accuracy code: M) Altitude 250 m
Length 5m Depth 2 m
Area position
On the road, about 20 m back up from the
start of the track. A letter box entry to a 2 m
drop to a choked floor.
Reference: anon., 2004b (Easter logbook)
Reference: anon.,
Entrance pictures:
Entrance pictures:
Underground picture(s)
Video:
Line survey:
On area survey
Survex file:
1984: cave
Llueva 30T 454278 4798391 (Datum: ETRS89.
Llueva 30 T 4542784798391 (Da
Accuracy code: M) Altitude 243 m
Accuracy code: M) Altit
Length 10 m Depth 3 m
Area position
Updated 20th October 2004; 18th November
2009

Downhill along the road, 60 m from the junction with the track is a rift entrance concealed behind trees. A 2 m crawl leads to a 3 m climb down and 4 m of passage to a choke of clean rocks with a strong outwar draught. Although it should dig OK with plenty of stacking space, there was no draught on the one occasion it has been excavated.

In October 2009, it was found "almost obliterated" by road widening, although how this might affect the dig is unknown.
Underground picture(s)
Underg
Video:
Line survey:
On area survey
Survex file:

1985: shaft

\section*{ength 12 m Depth 4 m Area position}
pdated 20th October 2004; 22nd January 2013

About 8 m after the gate on the main track, on the left, is an undescended, 4 m deep shaft. In December 2012, after enlarging the entrance, a steep slope led to a short 8 m long walking rift which closes up.

Reference: anon., 2004b (Easter logbook); anon., Reference: anon., 2004b
2012 f (Christmas logbook) Entrance pictures: yes Underground picture(s) Video: Line survey: On area surve Survex file:

1986: cave
Llueva 30T 4553434798546 (Datum: ETRS89 ccuracy code: G) Altitude 226 m Length 5 m

Updated 20th October 2004; 27th April 2012; 22nd January 2013

About 25 m further along the track from site 1985. A 1m diameter phreatic tube which eems to enlarge beyond a constriction 2 m n. When entered in December 2012, a blind enlargement was found to be just large enough to turn around in. Reference: anon., 2004b (Easter logbook); anon.,
2012b (Easter logbook); anon., 2012 f (Christmas logbook)
Entrance pictures: yes Underground picture(s)
Video:
Line survey:
Survex file:
X
1987: cave
Llueva 30T 4547154798353 (Datum: ETRS89 Accuracy code: G) Altitude 209 m length 14 m Depth 11 m
Area position
Updated 17th October 2004; 18th NovembeI 2009

A narrow slot in a scar next to the road with large stals visible. The site was enlarged in the summer of 2004 allowing a tight squeeze down to the pitch head. The explorers down the 9 m pitch found an old bolt at the top, suggesting that the site had been descended by thinner people in the past but not documented. A dig at the base of the pitch closes in.

Road widening in 2009 appears to have left the site relatively untouched.

Reference: anon., 2004b (Easter logbook); anon., 2004d (summer logbook); Corrin Juan, 2006; anon., 2004d (summer logbook
2009d (autumn logbook) Underground picture(s): view down the pitch Video: entrance at side of road "cast of thousands
Tony Brocklebank emerges from 1st loo Tony Brocklebank emerges from 1st look
Tony Brocklebank on pitch Pete Smith emerg Tony Brocklebank on pitch Pete Smith emerging from entrance On area surve On area sur
Survex file:

X
1988: cave
Llueva 30T 454855 4798350 (Datum: ETRS89. Accuracy code: G) Altitude 183 m Length 10 m Depth 2 m Area position

Updated 20th October 2004
An entrance hidden behind a small tree. This goes into passage running back to the right, parallel to the road. A 1.5 m drop gives a walk along an undulating floor for 6 m to a junction. The right route chokes immediately whilst to the left, the passage narrows and is blocked with mud.
```

Reference: anon., 2004b (Easter logbook)
Entrance pictures: yes
Undergro
Line survey:
On area surve
Survex file:
x
1989: cave
Llueva 30T 454101 4798016 (Datum: ETRS89
Accuracy code: A) Altitude 327m
Length 45m Depth 15m
Area position
Updated 22nd February 2005; 18th
November 2009

The excavated entrance is on a ledge, 2 m
above a small depression next to the road. and may be a tad closer to the road than and may be a tad closer to the road thar pitch has a tight start then opens out into a pitch has a tight start then opens out into
large, well decorated chamber about 30 m large, well decorated chamber about 30 m
long, 20 m wide and 6 m high. The chambe is floored with large, dropped blocks with no is floored with large, dropped blocks with no obvious route through. Two flowstone inlets close down after a couple of body lengths Although rubble from the road widening depression, the site entrance above appears depression, the site entrance above appea untouched

1990: cave
Video:
Video:
Line surve
Line survey:
On area survey
On area surv
Survex file:
X

## 1991: caves

## Riaño 30T 4524284799431 (Datum: ETRS89

 Accuracy code: M) Altitude 282 m
## Area position

Updated 17th October 2004
Rifts in the back of depressions and
collapses after recent tree felling. On the other side of the track is a crawl under a sandstone bed. A narrow rift opens up ahead and it may need some hammering. An unexplored rift is nearby.

A depression at the end of a track (full of vegetation in 2006) has a 4 m climb dowr over soil and rubble at the western end (a ladder improves the experience) to a tall, 10 m long chamber with old calcite wall flows and sloping floor. A rift at the end can be and sloping floor. A rift at the end can be climbed up for 12 m . Digs in the floor have been attacked but with no way on

Reference: anon., 2004b (Easter logbook); anon., 2004d (summer logboc Entrance picture: ye Entrance picture: yes
Underground picture(s

```
UV很
Line survey
On area survey
```

Survex file:
X
1994: sink
Alisas 30T 4470594794616 (Datum: ETRS89
Alisas 30T 4470594794616 (Datu
Accuracy code
Updated 8th May 2018

A depression which takes water and was, around 2004, filled with farm slurry. This had cleared allowing exploration in April 2018. A 6 m descent to the base of the dopression meets a rift leading off for 3 m to depression meets a rift leading off for $3 m$
a small choke. This is choked with leaves a small choke. This is choked with leaves
and plastic bottles but the site takes a smal and plastic bottles but the site takes a small stream.

Reference: anon., 2004b (Easter logbook); anon., Reference: anon., 200
2018b (Easter logbook) Entrance pictures
Underground picture(s):

```
Video:
```

Line survey:
On area sur
Survex file:
x
1995: shaft
Alisas 30T 4469804794745 (Datum: ETRS89
Accuracy code: G) Altitude 622 m
Accuracy code
Area position

A 50 cm wide slot at a rock face. Possibly 5 m deep.

Reference: anon., 2004b (Easter logbook)
Entrance pictures: yes Underground picture(s):
Video:
Line surv
Line survey:
On area surve
Survex file:
X
1996: cave
Alisas 30T 447002 4794698 (Datum: ETRS89
Alisas 30T 4470024794698 (Datu
Accuracy code: G) Altitude 639m
Length $2 m$
Area position
A small rift with a right angle.
Reference: anon., 2004b (Easter logbook)
Entrance pictures:
Underground picture(s):
Video:
Line survey:
On area survey:
Survex file:
X
1997: shaft
Alisas 30T 446979 4794597 (Datum: ETRS89.
Accuracy code: G) Altitude 660 m
Length 3 m Depth 3 m
Area position

A narrow, draughting slot drops to a pile of rubbish.

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes Underground picture(s): Video: On area survey Survex file:
X
1998: dig
Alisas 30T 446981 4794682 (Datum: ETRS89.
Accuracy code: G) Altitude 648 m
Area position

A narrow, draughting slot drops to a pile of rubbish.

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes
Underground picture(s):
Video: Video:


Area position

An alcove in a cliff with a slot and no draught.

Reference: anon., 2004b (Easter logbook)
Reference: anon., 2004b
Entrance pictures: yes
Underground picture(s):

## Video:

Line survey:
On area survey
Survex file:
Survex file:
x

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## $\frac{2000: ~ s}{\text { Pocket }}$

Alisas 30 T 4468054794940 (Datum: ETRS89. Accuracy code: G) Altitude 603 m
Length 98 m Depth 65 m Length 98 m Depth 65 m Area positio

Updated 19th September 2013
Two shafts on the side of a large shakehole which also contains sites 2004 and 2012. These deep holes are fenced off and have been investigated before by another group as a bolt is to be found on bed rock at the lower edge of the deeper shaft.
The upper shaft is a roomy hole that chokes 28 m down. The lower hole have been descended to 40 m where the rope ran out in a rift with $10-20 \mathrm{~m}$ to go. This was completely explored at the end of July 2013 when it was described as a "rather uninspiring hole"
uninspiring hole".
After a short drop down the hole, a 10-15r After a short drop down the hole, a 10 drop lands on a sloping muddy ledge. A series of further short and very loose drops enters the main hang - a 25-30m drop past a series of smaller ledges landing in a rift. A 4 m climb drops into a large rift with a high aven where both ends choke after 10 m each way.

Reference: anon., 2004b (Easter logbook); anon.
2013d (summer logbook) 2013d (summer logbook) Detailed survey: sketch Line survey: On area surv
Survex file: Survex file:

## 2001: cave

## 0

2003: shaft
Alisas 30T 4467334794838 (Datum: ETRS89, Accuracy code: G) Altitude 638 m

On the south side of the shakehole above site 2010. Five metres down a rift passage is site 2010 . Five metres down a rift passage is
blocked by a boulder that could be removed.

```
Reference: anon., 2004b (Easter logbook)
```

Reference: anon.,
Entrance pictures: yes
Underground picture(s)
Video:
Line survey:
Sn area surv
Survex file:

## 2012: shaf

Alisas 30 T 4468364794988 (Datum: ETRS89. Accuracy code: G) Altitude 605 m Length 15 m Depth 8 m An 8 m pitch leads to a 5 m crawl in a rift.

Reference: anon., 2004b (Easter logbook)
Entrance pictures: y
Underground picture(s): near top and base of shaft
Video: Dave Tuffery exploring 12
Line survey:
Survex file:

Updated 8th May 2018
The original description read: "A small hole that needs digging out. The drop below is probably about 8 m deep." This was descended in April 2018 and no way on was found.

Reference: anon., 2004b (Easter logbook); anon., Reference: anon., 20
2018b (Easter logbook

2014: cave

2015: shaft
San Antonio 30T 4456304801036 (Datum ETRS89. Accuracy code: G) Altitude 90 m Length 40 m
Area position

## Updated 11th October 2005

A small draughting hole on the side of a depression. The entrance has been enlarged and drops in a 3.5 m pitch to a cross rift. All 3 rifts draught: left is an easy short crawl with an oxbow; right is a short crawl to a small pocket; straight on is an easy section of passage with old stal and bosses blocked with rocks. The way on is narrow with tree roots.
Back under the ladder, the floor has been dug out to a low area of stal flow with a hole. More stal can be seen beyond and there is a good draught and echo

Reference: anon., 2004b (Easter logbook); anon 2005b (Easter \& summer) Entrance pictures:
Underground picture(s).
Survey: sketc
Line survey
On area survey
Survex file

## 2016: cave

San Antonio 30T 4456314801037 (Datum ETRS89. Accuracy code: G) Altitude 90 m Length 5 m

## Area positic

Updated 11th October 2005; 22nd October 2010
Adjacent to site 2015. A cave with 2 routes combining at a draughtless sand choke There is a sketch in the 2010 summer logbook (August 13th) which shows the 2 entrances to sites 2016 and 2298.

Reference: anon., 2004b (Easter logbook); anon., 2005b (Easter \& summer); anon., 2010c (summer logbook)
Entrance pictures:
Untrance pictures:
Underground picture(s): Video:
Detailed survey: sketches - plan \& elevation Line survey: On area surve
Survex file: Survex file:

## x

2017: shaft
Cobadal 30T 4481404797640 (Datum: ETRS89. Accuracy code: G) Altitude 232 m
Length 4 m Depth 4 m

## Area position

A 3.5 m deep slump hole with the sound of running water. The outlet passage is a meandering rift which is too narrow to follow.

Reference: anon., 2004b (Easter logbook) Entrance pictures Underground picture(s): Video: Line survey: On area surve Survex fil

X
2018: dig
Cobadal 30T 4480514797613 (Datum: ETRS89 Accuracy code: G) Altitude 248 m Area position

This rock-edged depression has an undercut full of bags. Further up is a possible hole through boulders.

Reference: anon., 2004b (Easter logbook) Entrance pictures:
Undergro
Video:
Line survey
On area surve
Survex file:
x
2019: shaft
Cobadal 30T 4480784797556 (top of gulley) (Datum: ETRS89. Accuracy code: G) Altitude 267 m Length 6 m Depth 6 m Area position

This 6 m deep hole has water falling and the noise of a larger flow somewhere below. It noise of a larger flow somewhere belov
ends too narrow and filled with debris.

## Reference: anon., 2004b (Easter logbook) Entrance pictures:

 Underground picture(s): Video: Line survey:On area surve Survex file:

X
2020: shaft
Cobadal 30T 4480664797581 (Datum: ETRS89 Accuracy code: G) Altitude 260 m
Length 10 m Depth 7 m
Length 10 m Depth 7 m
Area position
A 7 m deep hole where 2 m wide passage narrows in a each end to impossible dimensions.

Reference: anon., 2004b (Easter logbook) Entrance pictures: Underground picture(s): Video: Line survey:
On area surve
Survex fil

X
2021: shaft
Cobadal 30T 4481864797548 (Datum: ETRS89 Accuracy code: G) Altitude 262 m Length 3m Depth 3m
Area position
A choked 3 m deep hole in the bank on the uphill side of the track.

Reference: anon., 2004b (Easter logbook) Reference: anon.,
Entrance pictures: Underground picture(s): Video: Line survey: On area surve
Survex file:

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## Updated 30th April 2016

An undescended shaft with a constriction at the top which is 5 or 6 metres deep with an echo. When the site couldn't be found at Easter 2016, it was suggested that it may have been covered over by the farmer

Reference: anon., 2004b (Easter logbook); anon., 2016b (Easter logbook Entrance pictures: Underground picture(s): Video: Line survey
On area sur On area sur:
Survex file:

2023: shaft
Cobadal 30T 4483754797594 (Datum: ETRS89 Accuracy code: G) Altitude 255 m Length 5 m Depth 5 m Area position

Updated 30th April 2016
This 4 m deep hole with an echo lies on the top side of the track but needs a large part of the bank excavating to descend.
At Easter 2016, two long water pipes marked the shaft. It was descended 5 m to a choked base.

Reference: anon., 2004b (Easter logbook); anon., Reference: anon.,
2016b (Easter logbook
Entrance pictures:
Underground picture(s)
Video:
Line survey:
On area survey
Survex file
2024: shaft
Cobadal 30T 4485624797551 (Datum: ETRS89

Accuracy code: G) Altit
Length 9m Depth 4 m
Length 9 m
Area position
Updated 30th April 2016
A 4 m deep rift ( $4 \times 1 \mathrm{~m}$ ) near the foot of a side valley with a rock outcrop around the uphill side. It was descended at Easter 2016 to a squeeze into a 5 m horizontal crawl that just ended.

Reference: anon., 2004b (Easter logbook); anon., 2016b (Easter logboo Entrance pictures Underground picture(s)
Video:
Line survey: On area surv
Survex file:
x

## 2025: Fox Hat, The

Reference: anon., 1978 (logbook); anon., 2004b
(Easter logbook); anon., 2006d (summer 2006); Corrin Juan, 2007a; anon., 2016a (January February logbook)

Entrance pictures: yes
Underground picture(s): yes
Video: 3 minute video: low res ( 7 Mb ) higher res Video: 3 minute video: low res
$(25 \mathrm{Mb})$ Detailed Survey : 1:500 pdf Line survey: On area survey: Survex file: stand alone (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April on file with nearby caves

X
2026: shaft
Cobadal 30T 4487084797544 (Datum: ETRS89. Accuracy code: G) Altitude 305 m

## Depth 6 m

Area position
Updated 17th October 2004
A sloping rift under a scar edge 20 m ou from the track into a freshly burnt area. The hole is 6 or 7 m deep but needs rocks at the entrance clearing to gain access. (An attempt was made in the summer, 2004 but the roof collapsed when some rocks were removed. Heavier equipment is required).

Reference: anon., 2004b (Easter logbook); anon., Reference: anon., 2004b
2004d (summer logbook) 2004d (summer logb Underground picture(s):

## Video:

Detailed Surve
Line survey: Line survey: On area surve
Survex file: Survex file

X

## 2027: shaft

Cobadal 30T 4486474797486 (Datum: ETRS89 Accuracy code: G) Altitude 295 m Depth 3 m
Area position
Updated 30th April 2016
A small 3 m deep circular shaft above the track that appears choked. At Easter 2016 it was said to be "a few metres deep".

Reference: anon., 2004b (Easter logbook); anon., 2016b (Easter logbook) Entrance pictures:
Underground picture(s) Underg
Video:

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\[
\begin{aligned}
& \text { Detailed Surv } \\
& \text { Line survey: }
\end{aligned}
\]
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$$
\begin{aligned}
& \text { Line survey: } \\
& \text { On area survey }
\end{aligned}
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$$
\begin{aligned}
& \text { On area surv, } \\
& \text { Survex file: }
\end{aligned}
$$

x
2028: shaft
Cobadal 30T 4488244797708 (Datum: ETRS89 Cobadal 30T 448824 4797708 (Da
Accuracy code: G) Altitude 302 m Accuracy code
Area position

A shaft in a burnt-off area with lots of wire from burnt tyres

```
Reference: anon., 2004b (Easter logbook)
Entrance pictures:
Underground pictu
Video:
Line survey:
On area survey
Survex file:
x
2029: dig
Cobadal 30T 448704 4797926 (Datum: ETRS89.
Cobadaly code: G) Altitude 204m
Area position
```

A low bedding under a scar just south of site 1725. Draughting in strongly and looks passable beyond a body length of digging. However, a better spot might be 2 m to the left which has been dug for a few feet and should go further with more work.

Reference: anon., 2004b (Easter logbook) Entrance pictures: Underground picture(s): Video:
Detailed Survey Line survey On area survey
Survex file

X
2030: cave
Arredondo 30T 4511754792643 (Datum: ETRS89 Accuracy code: G) Altitude 455 m
Area position
A walled off bedding cave at the base of a cliff line. It looks like a short rock shelter.

Reference: anon., 2004b (Easter logbook)
Reference: anon., 2004
Entrance picture: yes
Entrance picture: yes
Underground picture(s):

## Video:

Detailed Survey
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```
On area surv
Survex file:
```

2031: caves (2148 (French:
SCD)
Arredondo 30T 4509684793094 (Datum: ETRS89.
Accuracy code: G) Altitude 458m
Accuracy cod
Area position
Updated 11th February 2016; 24th
September 2018; 15th November 2022
A previous position was ETRS89 30T 450973
A previous
4793082.
A wooded doline leads down to the base of a
A wooded doline leads down to the base of a
10 m high sandstone cliff. There are various
10 m high sandstone cliff. There are variou
grovels in blocks under the cliff, two
Reference: anon., 2004b (Easter logbook);
Simonnot G, 2016; Simonnot G, 2018; Simonnot G,
2022
Entrance picture: yes
Underground picture(s
Underg
Video:
Detailed Survey
Line survey:
On area surve
Survex file
2032: shaft
Arredondo 30T 4511824792791 (Datum: ETRS89.
Arredondo 30T 4511824792791
Accuracy code: G) Altitude 492 m
Accuracy co
Depth 6 m
Depth 6 m
Area position
A large, wooded shaft which needs about
A large, wooded shaft which needs about
6 m of tackle to descend. There may be cave
6 m of tackle to desc
passage leading off.
Reference: anon., 2004b (Easter logbook)
Entrance picture.
Underground picture(s)
Video:
Video:
Detailed Survey
Line survey:
On area survey
On area sur
Survex file:
2033: shaft
Arredondo 30T 4512034792780 (Datum: ETRS89
Accuracy code: G) Altitude 500 m
Length 15 m Depth 13 m
Area position
Updated 6th November 2004
An 11 m pitch through vegetation to where
passage continues for 2 m around a corner
and chokes.
Reference: anon., 2004b (Easter logbook); anon.,
2004e (autumn logbook)
Entrance pictures: ye
Underground picture(s)
Video: descent by Pete Smith
Detailed Survey
Detailed Sur
Line survey:
On area survey
Survex file:
X
2034: shaft (2075 (French:
SCD))
Arredondo 30T 4513664792721 (Datum: ETRS89.
Accuracy code: G) Altitude 493m
Length 22 m Depth 17 m
Area position
Updated 6th November 2004; 11th February
2016; 24th September 2018; 16th
November 2022
A 1.5 m diameter, 11 m deep shaft where the
A 1.5 mineter 11 m deep shaft where the
obvious bushes are below the track. At the
base, the passage drops round to the right
and becomes very narrow with a skeleton on
and becomes very narrow with a skeleton
a mud floor beyond. This may have been
descended by the SCD in 2010 where "many
goat and cow bones litter the ground at the
end which has a small aven. No draught."
Reference: anon., 2004b (Easter logbook); anon.
2004e (autumn logbook); Simonnot G, 2016;
Simonnot G, 2018; Simonnot G, 2022 ,
Entrance pictures: yes
Underground picture(s
Underground pict
Video:
Detailed Survey :
Line survey:
On area survey
On
Survex file:
x
2035: shaft
Alisas 30T 4472124794595 (Datum: ETRS89.
Accuracy code: G) Altitude 629 m
Length 40 m Depth 20 m
Area position
Updated 17th October 2004; 14th October
2011; 9th May 2018
Sites 2035, 2036 and 2037 lie inside a
hairpin road bend to the north of Alisas and
MATIENZO UNDERGROUND site descripioions (printed 19/02/2024)
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above site 1969. Together with site 1994 they all take water and presumbably, in the entrances should eventually meet an enlarging system.
This shaft is the largest of the three and takes water from a covered resurgence. A 20 m long, cliff-lined. complex shaft which is choked with rocks, rubbish and sediment at all places.
The information board at Fuente Aguanaz states that the resurging water comes from Alisas.

Dowsing in July 2011 failed to find any eactions on the road below all these sites. summary of the dowsing results can be seen here.

Nearby sink, site 1969, was injected with optical brightening agent on 10th April, 2018. It was detected at Fuente Aguanaz 3 days later, the fluorocapteur proving negative the day before. (Details of the water trace can be found here.) Reference: anon., 2004b (Easter logbook); anon.,
2004d (summer logbook); Corrin Juan, 2006; anon. 2011d (summer logbook); anon., 2018b (Easter logbook)
Entrance picture: 2004 and 2018
Underground picture(s): Underground picture(s):
Video: entrance
Detailed Survey : sketch plan from logbook Detailed Sur Line survey: Survex file:
x
2036: shaft
Alisas 30T 4471894794581 (Datum: ETRS89 Accuracy code: G) Altitude 635 m Length 18 m Depth 9 m
Area position Area position

Updated 17th October 2004; 14th October 2011; 9th May 2018

Sites 2035, 2036 and 2037 lie inside a hairpin road bend to the north of Alisas and above site 1969. Together with site 1994 they all take water and presumbably, getting beyond the breakdown and rubbish in the entrances should eventually meet an enlarging system This area has 3 or 4 holes with water sinking in the upper one. The site splits immediately and both shafts are about 9m deep and choked.

Dowsing in July 2011 failed to find any reactions on the road below all these sites. summary of the dowsing results can be seen here.
Nearby sink, site 1969, was injected with optical brightening agent on 10th April, 2018. It was detected at Fuente Aguanaz 3 days later, the fluorocapteur proving negative the day before. (Details of the water trace can be found here.) Reference: anon., 2004b (Easter logbook); anon.,
2004d (summer logbook); Corrin Juan, 2006; anon. 2011d (summer logbook); anon., 2018b (Easter logbook)
Entrance picture: 2004
Underground picture(s):
Detailed Survey : sketch plan from logbook Line survey:
On area survey:
Survex file:

## x

## 2037: shaft

Alisas 30T 4471394794573 (Datum: ETRS89. Accuracy code: G) Altitude 636 m Length 3 m Depth 3 m

## Area position

Updated 17th October 2004; 14th October 2011; 9th May 2018

Sites 2035, 2036 and 2037 lie inside a hairpin road bend to the north of Alisas and above site 1969. Together with site 1994 they all take water and presumbably, getting beyond the breakdown and rubbish in the entrances should eventually meet an enlarging system.
This hole is the one nearest to the bend and is a choked 3 m deep hole.

Dowsing in July 2011 failed to find any reactions on the road below all these sites. A summary of the dowsing results can be see here.

Nearby sink, site 1969, was injected with Nearby sink, site 1969, was injected
optical brightening agent on 10th April, optical brightening agent on 10th April,
2018. It was detected at Fuente Aguanaz 3 2018. It was detected at Fuente Agua
days later, the fluorocapteur proving days later, the fluorocapteur proving
negative the day before. (Details of the negative the day before. (Details
water trace can be found here.)

Reference: anon., 2004b (Easter logbook); anon., 2004d (summer logbook); Corrin Juan, 2006; anon
2011d (summer logbook); anon., 2018b (Easter

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rance picture: 2004 and 2018
Underground picture(s)
Survex file:

## 2039: sink

Alisas 30T 4466844794835 (Datum: ETRS89. Alisas $30 T 4466844794835$ (Dat
Accuracy code: G) Altitude 652 m

Updated 17th October 2004
Video: entrance
Detailed Survey
: sketch from logbook
Detailed Surv
Line survey:
On area survey
Survex file:
x
2043: shaft
Alisas 30T 4466834795032 (Datum: ETRS89
Alisas 30T 4466834795032 (Datu
Accuracy code: G) Altitude 610 m
Depth 12 m
Area position
A 12 m deep hole hidden at the head of a
gulley. The site blows out warm air and has
been descended. Description coming
Reference: anon., 2004b (Easter logbook)
Entrance picture: yes
Underground picture(s):
Video: entrance
Underground
Detailed Surv
On area survey
Survex file:
x
2044: cave
Alisas 30T 4466964795070 (Datum: ETRS89
Accuracy code: G) Altitude 600 m
Length 8 m Depth 3 m
Area position

A short climb down into 2 small chambers with small formations and goat skeletons

```
Reference: anon., 2004b (Easter logbook)
Entrance picture: yes
```

Underground picture(s):
Video:
Detailed Survey
Detailed Sur
Line survey:
On area surve
Survex file:
x
2045: shafts
Alisas 30T 4463634794771 (Datum: ETRS89
Accuracy code: G) Altitude 658 m
Length 2 m Depth 2 m
Length 2 m D
Area position
Two small rifts with no way on.


```
Length 2m 
```

Area position
Updated 17th O ctober 2004
This $1 \times 5 \mathrm{~m}$ rift is in a shakehole in the
valley floor and is choked 2 m down. This
site may have been refound or confused
with others in the vacinity.
Reference: anon., 2004b (Easter logbook); anon.
2004d (summer logbook)
2004d (summer log
Entrance picture:
Underground picture(s
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
2049: shaft
2049: Shaft 4795142 (Datum: ETRS89
Alisas 30 T 4464574795142 (Dat
Accuracy code: G) Altitude 563 m
Accuracy code: G Altitu
Length 14 m Depth 9 m
Length 14 m
Area position
Updated 19th September 2013

A 6 m pitch in a $1 \times 1 \mathrm{~m}$ hole lands on a
boulder slope that chokes. Some time was
boulder slope that chokes. Some time was
spent prospecting in the woods in 2013 near
spent prospecting in the woods in 2013 near
this site but nothing was found
Reference: anon., 2004b (Easter logbook); anon.,
2013d (summer logbook)
Entrance picture: yes
Underground picture(s)
Video:
Detailed
Detailed Sur
Line survey:
On area survey
Survex file:
X
2050: cave
Alisas 30T 4464104795007 (Datum: ETRS89.
Accuracy code: G) Altitude 600 m
Area position
A $4 m$ high rift in the cliff face. The entrance
is covered by ivy and thorns and the small
is covered by ivy and thorns and the small
passage is blocked after 4 m .
Reference: anon., 2004b (Easter logbook)
Entrance picture:
Entrance picture:
Underground picture(s):
Video:
Video:
Detailed Survey :
Detailed Sur
On area survey
On
On area sur
Survex file:
X
2051: shaft
Alisas 30T 4466544795096 (Datum: ETRS89.
Accuracy code: G) Altitude 588 m
Length 25 m Depth 16 m
Area position
The entrance is a rift in the side of a
shakehole. A 13 m pitch to a large rift
passage which chokes at both ends.
Reference: anon., 2004b (Easter logbook)
Entrance picture
Entrance picture:
Underground picture: yes
Video:
Detailed Survey
Detailed Su
Line survey
On area sur
Survex file:
x
2052: shaf
Alisas 30 T 4468494794734 (Datum: ETRS89.
Accuracy code: G) Altitude 645 m
Length 50 m estimated Depth 100 m estimated
Area position
Updated 9th May; 6th June 2018

Originally described in 2004 as, "An undescended, sloping rift of about 4 m depth with 3 or 4 rocks covering the widest part", the hole was descended 14 years later for 40 m in a deep rift to where it becomes tight. The rift continues to a possible shelf and the route down should be possible for "thinnies". Boulders fall a considerable further distance.

Reference: anon., 2004b (Easter logbook); anon., Reference: anon., 2004b (Easter log
2018b (Easter logbook)
Entrance pictures: 2004 and 2018 Entrance pictures: 2004 and 2018
Underground picture(s):
Video:
Detailed Survey : elevation sketch, Easter 2018
Line survey:
One survey:
On area survey:
Survex file:
x
2053: shaft
Alisas 30T 4463234794808 (Datum: ETRS89.
Alcuracy code: G) Altitude 647 m
Accuracy cod
Depth 12 m
Area position

Reference: anon., 2004b (Easter logbook)
Entrance pictures: yes Entrance pictures: yes
Underground picture(s): Video: Detailed Survey Line survey: On area surve
Survex file:

X
2054: shaft
Alisas 30T 4463344794836 (Datum: ETRS89 Accuracy code: G) Altitude 639 m Depth 3m Area position

An undescended 3 m enlarged joint covered with large blocks.

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey Line survey:
On area survey
Survex file:
Survex fil

X
2055: shaft
Alisas 30 T 4462804794818 (Datum: ETRS89. Accuracy code: G) Altitude 642 m Depth 5 m

## Area position

This shaft is marked CA-12 and appears to be 5 m deep with a slot at one end to a deeper section.

## Reference: anon., 2004b (Easter logbook)

 Reference: anon., 2004 bEntrance pictures: yes
Underground picture(s)
Detailed Survey
Detailed Surve
Line survey:
On area surve
On area surve
Survex file
X
2056: shaft
Alisas 30T 4461484794776 (Datum: ETRS89
Accuracy code: G) Altitude 655 m
Accuracy cod
Depth 13 m
Area position

This shaft is currently covered with a beehive of rocks that may be difficult to remove. It appears to be about 13 m deep.

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes
Underground picture(s): Underg Detailed Survey : Line survey: On area survey:
Survex file: Survex file:

X
2057: dig
Cobadal 30T 4487284797951 (Datum: ETRS89 Cobadal 30T 4487284797951 (Dat
Accuracy code: M) Altitude 203m Accuracy code: M) Altitu
Length 10 m Depth 5 m Area position

A hole 10 m to the left and slightly uphill of site 1725. A 3m drop leads to a constriction site 1725. A 3 m drop leads to a constriction
and a flat out crawl in a static pool that has yet to be passed.

Reference: anon., 2004b (Easter logbook)
Entrance pictures: Entrance pictures: Underground picture(s): Video: Line survey:
On area survey.
Survex file:
x
2058: shaft
Mullir 30T 4561254795277 (Datum: ETRS89
Accuracy code: G) Altitude 565 m
Length 35 m Depth 22 m

## Area position

A hole half way up the side of a depression which is a 22 m blind pot. A passage 7 m from the base leads to another blind pot (Grid ref same as 2059; see Easter 04 log book and GPS file 040406Carmen -Muela to correct).

Reference: anon., 2004b (Easter logbook) Entrance pictures: distant and closeup views Underground picture(s):

## Video:

Detailed Survey
Line survey: Line survey Survex file:

X
2059: shaft
Mullir 30T 4561254795277 (Datum: ETRS89. Accuracy code: G) Altitude 565 m Depth 13m Area position

A slot near the top of a depression with a holly bush growing out of it. The 8 m deep MATIENZO UNDERGROUND - site descriptions (printed $19 / 02 / 2024$ )
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pot continues down in an undescended ver)
tiaht rift to a floor 5 m down. (Grid ref same tight rift to a floor 5 m down. (Grid ref sam file 040406Carmen -Muela to correct)

Reference: anon., 2004b (Easter logbook)
Reference: anon., 2004b
Entrance pictures: yes
Underground picture(s) Video:
Detailed Survey
Line survey
On area survey Survex file

2060: shaft
Mullir 30T 4560094795303 (Datum: ETRS89. Mullir $30 T$ 456009 4795303 (Datu
Accuracy code: G) Altitude 564 m Accuracy code: G) Altitud
Length 27 m Depth 27 m Area position

A small slot in the side of a 10 m diameter depression. A 27 m , clean-washed, fluted depression. A 2 .
and blind shaft.

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes Underground picture(s
Video:
Detailed Survey
Line survey
On area survey
On area su
Survex file

2061: cave
Mullir 30T 456225 4795292 (Datum: ETRS89 Mullir 30 T 4562254795292 (Datu
Accuracy code: G) Altitude 550m Accuracy cod
Length 15 m Area position

A walk-in, 2 m high entrance to a triangular cross-section chamber, about 15 m long with decomposing stal.

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes
Underground picture(s): yes
Video:
Detailed Survey :
ine survey:

```
On area sur
```

X
2062: cave
Mullir 30T 4561674795434 (Datum: ETRS89
Accuracy code: G) Altitude 487 m
Length 3 m
Area positior
A 3 m long chamber
Reference: anon., 2004b (Easter logbook
Entrance pictures: distant and closeup
Underground picture(s)
Video:
Detailed Survey
Line survey:
On area sur
Survex file:
Survex file:
2063: shaf
Mullir 30T 4562394795476 (Datum: ETRS89.
Accuracy code: G) Altitude 482 m
Depth 7m

An undescended shaft in open woodland above the valley floor. A 7 m deep rift with a small rift continuing.

Reference: anon., 2004b (Easter logbook) Entrance pictures: distant and closeup Underground picture(s)

2064: shaf
Muela 30T 4560814795724 (Datum: ETRS89 Accuracy code: G) Altitude 534m

## ```Entrance pictures \\ UNderground picture(s) \\ Video: \\ Detailed Survey \\ Line survey: \\ On area sur \\ X \\ 2066: Sewer, The \\ Cobadal 30T 448755 4798206 (Datum: ETRS89 \\ Accuracy code: G) Altitude 194m \\ Length 252m Depth 21m \\ Area position```

Updated 17th October 2004; 7th October
2006; 16th April 2008; 26th June, 4th, 14th
uly, 22nd October 2010; 27th May, 21st
June, 14th October 2011

A depression on the opposite side of the road from the farmhouse. The first notable feature is the centre opening which draughts out very strongly. This has had some out very strongly. This has had some
boulders removed and the crawl inside splits. To the left, the passage enlarges and ends at a draughting choke that probably ends at a draughting choke that probably
requires a cage to progress. Photos of this requires a cage to progre
area were taken in 2006 .
To the right, The Sewer is entered flatout, confined passage which, by 2008 was 40 m long downstream and has been was 40 m long downstream and has been left wide open with good draught". This
route is not a passage to push if it is rainins route is not a passage to push if it is raining
This was shown at Easter 2008, although This was shown at Easter 2008,
the route was made a bit larger, the route was made a bit larger.
The second feature is the rift some 40 r above and to the left of the first. This opening in a $1 \times 2 \mathrm{~m}$ limestone outcrop drops in a very narrow, sharp, spikey rift to a
choked floor (about 20m?). A narrow rift continues back up the other side. There was no noticeable draught at Easter 2004. This has been given a separate site number 3349

Over Easter 2010, the cave was extended downstream through very tight squeezes in a crawl and up an inlet into large, old passage. A survey was carried out and the passage. A survey was carried
following description produced: ollowing description produced: The entrance is located under a rock arch at the base of a drainage gully. A flatout crawl over cobbles soon reaches a junction Straight on enters a medium-sized chamber choked at the far end - a possible dig here choked at the far end - a possible dig here
will require care. Bats have been seen in will requi
this area this area
Back at the junction, a right turn leads into The Sewer proper. A constricted crawl past dog-leg and right hand bend reaches a smal cascade, immediately followed by a narrow entry into the first squeeze, the $U$-bend. More flatout crawling reaches The Sludge Digestion Unit, a technical squeeze that is more difficult on the return. Five metres of awkward thrutching ends at a slope down and drop into a pool. Easier going reaches a further pool out of which is the final
squeeze, The Septic Tank. The passage soon enlarges at a confluence.
Upstream is Effluent Inlet, low for 15 m before a climb up to the right through the
Manhole. This enters a large chamber, a Manhole. Thil passage about 8 m wide and
large fossil decorated with stal at its northeastern end. decorated with stal at its northeastern end. off and rejoins Effluent Inlet upstream of th off and rejoins Effluent Inlet upstream of the
Manhole. This connection is unsurveyed. The Manhole. This connection is unsurveyed
passage soon ends at a draughting dig. Downstream from The Confluence passes a curtain on the left and continues, walking size, with occasional stooping for about 60 m . At one point it is possible to climb up an aven series (Filtration Aven) containing a vertical tube in the roof and a horizontal dig
The final chamber has a blind 8 m aven and The final chamber has a blind 8 m aven and
two squeezes in the streamway drop into a two squeezes in the streamway drop into a stream requires the removal of blocks by capping.
The streamway flows on a sandstone bed and trends in a northeasterly direction into the hill.

This downstream area was excavated in the summer 2010 when the right hand wall was removed and rubble dug out. Beyond is removed and rubble dug out. Beyond is
about 10 m of crawling to a choke with voids about 10 m of crawling to a choke with void below. A draught is also felt in the floor at the excavation and this revealed a rift whic was opened up to about 15 m of passage ending lower down in the choke than the first lead. With more time and effort there should be a way through the draughting
choke. (Sketch). Further progress was m choke. (Sketch). Further progress was made
in June 2011.

A diagram of the hydrology of the San Antonio - Hornedo - Cobadal area drawn after Easter 2011 can be found here.

Over three days in July 2011, the supposed upstream course of Fuente Aguanaz (or, at least, part of it) was dowsed. The furthest point reached was a small sink close to the MATIENZO UNDERGROUND - site descriptions (printed 19002/2022
number of inlets and sinks were also highlighted. See the links below.

Reference: anon., 2004b (Easter logbook); anon
2004d (summer logbook); Corrin Juan, 2006; ano Reference: anon., 2004b (Easter logbook); anor
2004d (summer logbook); Corrin Juan, 2006; and
2006d (summer 2006); anon., 2008c (Easter 2006d (summer 2006); anon., 2008c (Easter
logbook); anon., 2010b (Easter logbook); anon logbook); anon., 2010b (Easter logbook); anon.,
2010c (summer logbook); Corrin Juan, 2011 (survey \& photo); anon., 2011c (Whit logbook); anon., 2011d (summer logboo Entrance pictures: yes
Entrance pictures. yes
Underground picture(s): inside entrance : Underground picture(s): inside entrance :
possible digging area : squalor, Easter 2010 Video:
Detailed Survey : sketch from logbook : Easter 2010, complete survey : sketch from 2010 summer logbook
Line sury
On area survey: Dowsing reactions close to this cave : All dowsing reactions in the supposed Fuente cave : All dowsing reactions in the supposed Fu
Aguanaz catchment. (Article about the dowsing
carried out in July 2011 can be found here.) Survex file: yes (Easter 2010) (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April
2014 .) 2014.)

2067: shaf
La Colina 30T 4535024796507 (Datum: ETRS89. La Colina 30 T 4535024796507 (I
Accuracy code: G) Altitude 517 m Accuracy code: Ge) Altitud
Length 12 m Depth 12 m Length 12 m
Area position

Fifty metres NE of the large trough block on the corner entering the waterfall valley. A the corner entering the waterfall valley. A
12 m deep, choked shaft. (See also site 1009 12 m deep, choked shaft.
and especially site 1320 ).

Reference: anon., 2004b (Easter logbook) Entrance pictures: Underground picture(s)

```
Video:
```

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

2068: Corporales, Cueva de Barrio La Mina 30T 4459734799879 (Datum ETRS89. Accuracy code: G) Altitude 260 m Length 15 m

A hard to find entrance in a large bramble with a tree hiding it. The cave is a remnant $13 \times 5 \mathrm{~m}$ chamber with no prospects. There is a rift to the east and a choked tube at the back

Reference: anon., 2004b (Easter logbook) Entrance pictures: yes
Underground picture(s): chamber Video
Detailed Survey : 1:500
Line survey:
Survex file: yes (Amended magnetic declinatior December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.
col

## 2069: dig

Barrio La Mina 30T 4459634799816 (Datum:
ETRS89. Accuracy code: G) Altitude ETRS89. Accuracy code: G) Altitude 244 m
Area position Area positior

A dig near to Cueva Corporales (site 2068). A rubbish-filled slot is found behind a boulder in a shakehole near the road junction.

Reference: anon., 2004b (Easter logbook Entrance pictures: yes

A dig near to Cueva Corporales (site 2068) Under a small cliff in a depression, a 2 m drop down leads to a dig in fill. In October 2007 this was covered with branches and had a partly rotted calf at the base In August 2019, the dig was "written off"

Reference: anon., 2004b (Easter logbook); anon., 2007e (autumn + Christmas logbook); anon., 2019d (summer logbook)
Entrance pictures: yes Underground picture(s

## Accuracy code

Two sites. An undercut under a small cliff with a slight draught. Two metres deep to mud through boulders.
The second is a large undercut apparently blocked by boulders.

Reference: anon., 2004b (Easter logbook) Entrance pictures:
underground picture(s):
 Line survey: Line survey:
On area survey Survex file:

2072: dig Cobadal 30T 4491424796958 (Datum: ETRS89 Accuracy code: G) Altitude 472 m Area position

In a large depression, 2 holes have apparently been blocked by rocks.

Reference: anon., 2004b (Easter logbook)
Entrance pictures: Underground picture(s): Video:

```
etailed Surv
```

Line survey:
Survex file:
x

## 2073: shaft

Cobadal 30T 4492274797134 (Datum: ETRS89 Accuracy code: G) Altitude 449 m
Depth 5 m

## Area position

Updated 20th May 2006
A 3 m diameter, 5 m deep fenced shaft. The drop is undescended and the rift at the bas appears blocked. This may be site 923, although it seems unlikely - there are a number of photos on that page.

Reference: anon., 2004b (Easter logbook); anon., 2006b (Easter 2006) Entrance pictures:
Underground picture(s):
Video:

 Detailed Sur Survex file:

Updated 20th May 2006
A clean shaft chokes after 12 m .
Reference: anon., 2004b (Easter logbook); anon., 2006b (Easter logbook) Entrance pictures: Underground picture(s): Video:

## Detailed Surv

Line survey
On area surve
Survex file:
x
2075: shaft
Cobadal 30T 4491114797416 (Datum: ETRS89. Accuracy code: G) Altitude 417 m Length 3m Depth 3 m Area position

Updated 20th May 2006
A tight 3 m deep shaft fenced with rebar Continues too tight.

Reference: anon., 2004b (Easter logbook); anon., Reference: anon., 2006 (Easter logbook)
2006b Entrance pictures: yes Underground picture(s): Video:
Detailed Survey Line survey On area surve
Survex file:
x
2076: shaft
Cobadal 30T 4492734797412 (Datum: ETRS89 Accuracy code: G) Altitude 441 m Depth 8m Depth 8 m
Area position

An open, undescended, $2 m$ diameter shaft that appears to be 8 m deep. "Deserves attention"

Reference: anon.
Underground picture(s)

## Video:

## Detailed Surve

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## On area surve <br> Survex file:

## 2077: shaft

Cobadal 30T 449412 4797431 (Datum: ETRS89 Accuracy code: G) Altitude 460 m positio

## a positio

Updated 17th October 2004
[Originally three fenced-off, undescended shafts. 8 m deep, one 3 m deep and one blocked. Thes have now been separated to different site number , 2105 and 2106.

An undescended 8 m shaft.
Reference: anon., 2004b (Easter logbook); anon., 2004d (summer logbook)

## 2078: shaft

A 6 m drop onto a leafy slope that bisects rift at right angles. There is a 4 second stone rattle at the base and there is a slight echo and draught.

## Reference: anon., 2004b (Easter logbook)

 Entrance pictures: yes Underground picture(s)Video:
Detailed
Detailed Sur
On area sur
Survex file:

## 2079: shaf

S Vega 30T 4525514794310 (Datum: ETRS89 Accuracy code: G) Altitude 530 m
Length 20 m
Area position
Area positior
A roomy and echoing shaft between 2 paths on the hillside above the entrance to Cueva de Coquisera. An 8 m pitch drops on to slope that turns down to the right and chokes at an aven that rises to the surface

Reference: anon., 2004c (Whit logbook)
Entrance pictures: 1234
Underground picture(s
Video: surrounding and preparations Detailed Surv
Line survey:
Line survey
On area sur Survex file:
x
2080: cave
S Vega 30T 4522224794249 (Datum: ETRS89 Accuracy code: G) Altitude 560 m Length 8 m Depth 3 m Area position

Updated 10th January 2022
A cave with a crawl to a $3 m$ deep pit in the floor. It was deemed "not promising" in December 2021. Site 2081 is 5 m to the northwest.

Reference: anon., 2004c (Whit logbook); anon. Reference: anon., 2004c
2021 f (Christmas logbook)
Entrance pictures: 2004, 2021 Underground picture(s): Video:
Detailed Survey
Line surve
On area sur:
Survex file:

X
2081: Muérdago, Torca del S Vega 30T 4522184794249 (Datum: ETRS89 Accuracy code: A) Altitude 561 m

## Length 2131 m Depth 213 m Area position

Updated 9th, 16th January, 2nd February, May, 20th September, 27th Decembe 2022; 22nd September 2023

The original description from 1992 reads: "A rift to the northwest of site 2080. A large boulder hangs over a hole where rocks can drop about 30 m ." Most ropes and maillons were removed from the system in August 2022. Rust was present on the maillons and there was only a faint draught. There was no draught noted at the end of July 2023.

The description below has been written by Simon Cornhill and Diane Arthurs (December 2022)
a large sinkhole containing a tree decorated with a giant ball of mistletoe.
On December 26th, 2021, a large boulder
was removed to gain access into the rift by squeezing between boulders. Care should b taken upon entering as a gentle slope leads taken upon entering as a gentle slope
directly to the top of a scaffolded 24 m entrance pitch: Himalayan Balsam. The entrance pitch: Himalayan Balsam. The
entrance pitch drops onto a ledge after 8 m entrance pitch drops onto a ledge after 8
and following a re-belay 14 m down, the and following a re-belay 14 m down,
shaft opens up and drops into a fine shaft opens up and drops into a fine
passage. Heading NE and up a slope chokes passage. Heading NE and up a slope choke,
after 12 m whilst downslope the passage after 12 m whilst downslope the passage
continues for about 25 m where the floor continues for about 25 m where the fl
drops away in a partially choked rift.

A bolt traverse reaches a good place for both the descent down Euphorbia and ascent up into The Botanical Highway

Descending Euphorbia, two pitches of 7 m and 10 m , land in a small chamber containing a few bones. The only way on is through a dig in the floor where a large block was pulled out. (On the last trip into this section, a portable Hammond organ and microwave-sized boulders moved as the exiting explorers slid over them and extreme care is required - maybe blocked?) A wriggle between the boulders soon opens out into a sloping chamber to a drop down out into a sloping chamber to a drop do
vertical slot and the rift reaches a tight vertical slot and the rift reaches a tight
hammered out pitch head, Bramble Pitch p7.

A squeeze under the base of the Bramble Pitch leads to a crawl and a 10 m deep pit, Ghost Orchid with two too-tight rifts at the bottom. A traverse over the top of Ghost Orchid reaches a ledge where a hole at the
top was excavated. This revealed another top was excavated. This revealed anoth
tightish pitch, $0.5-0.75 \mathrm{~m}$ wide, which drops into one of the too-tight rifts from the neighbouring shaft.
More digging is required to enter this. However, it is guarded by a huge wall of
steeply overhanging mega death choss bove the opening, which is topped by some big precarious looking boulders. It all appears to be very loosely attached to the wall and 'ready to go'. Maybe this could be brought down safely with a long crowbar, maybe not. Attempts to climb up and over i were thwarted when seemingly g
and foot holds kept giving way.

Returning to the base of Bramble Pitch the cave opens out festooned in popcorn alite with a 4 m diameter, 12 m deep pit, Sombre Bee Orchid. Traversing round the top of this, a good passage is reached but it soon ends in an aven, Ivy Climb, and a 8 m : high level passage closes climbed for 8 m : high level passage closes up and, back
in the direction of entry, the aven ascends in the direction of entry, the aven ascends steeply and seems very likely to connect to
the rift at the top of The Botanical the rift at the top of The Botanical Highway.
At the base of Sombre Bee Orchid, 12 m pitch, a parallel 7 m shaft was excavated after a short slope up. At the bottom of this 7 m drop, yet another good looking horizontal sandy passage also choked up too soon

Back at the top of the 2nd pitch another series, The Botanical Highway, is reached by climbing up to the roof above Euphorbia and traversing at this level. This is a continuous roped traverse which consumes 105 m rope and 26 hangers (removed). The first major obstacle is tiptoeing past three very large sleeping rhinos wedged in the to of the rift which are seemingly levitating The roof traverse continues with deep holes in the floor and the rock becoming increasingly poor, necessitating excavating a hole in the wall to try and find hard limestone for each bolt placement. Descending a sloping 7 m pitch the traverse reaches the Venus Flytrap - a 5 m diamete 13 m deep shaft, with the roof tunnel continuing on the other side. The rock here is incredibly poor, resembling a cross between Manchego and crumbly Lancashire cheeses.

The 13 m pit Venus Flytrap, required much gardening, placing two high bolts and gaining the far side of the shaft which provided a suitable free hang. The walls of this shaft largely comprise of massive sheet of detached calcite crust so carefully tiptoeing down and up the rope is highly down back under enters a roomy chamber The rift from the passage above drops in The rift from the passage above drops in falling debris. A pile of half-buried bones was found just at the step down into this was found just at the step down into this chamber, so they have been moved to a safer location in the chamber. It is guessed
that these are the remains of a bear that these are the remains of a bear.

Back at the top of the Venus Flytrap, the high-level traverse continues to a neighbouring pitch of 13 m , Audrey II, this descends into a chamber with a large, old calcite flow blocking progress and a rift back towards Venus Flytrap is also choked. The high-level rope traverse continues The through a MATIENZO UNDERGROUND - site descripions (printed 19/022/2024
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squeeze, leading to a small chamber in the
roof with very fragile false floors and walls roof with very fragile false floors and walls
leading to another squeeze up, emerging into caveable passage, where the length continuously roped Botanical Highway traverse ends. After negotiating a snug rift and a wriggle over a large slab, the top of
Shitehawk Pitch, the passage continues for Shitehawk Pitch, the passage continues for
around 80 m in very friable rock. Following a around 80 m in very friable rock. Following
loose climb down over a blind pit and on a left-hand bend, a small well decorated passage on the right becomes too tight Continuing, the main passage ends abruptly at a window into a large, drippy 3 m
diameter 38 m shaft, 15 m up and 24 m diameter 38 m shaft, 15 m up and 24 m down, The Perihelion. (A side passage was surveyed which also had a small slot overlooking the shaft.) Descending The Perihelion, a short muddy climb down leads to a traverse to the top of Petticoat Pitches, p19 leading straight on to the hammered out pitch head of a p20 and p7. The water here disappears through thick mud banks into a tiny impenetrable slot. Returning to the foot of the large slab and the top of Shitehawk pitch, which starts as a 9 m descent down a loose shaft (care required) immediately followed by a p2 penduluming onto a traverse 5 m above penduluming onto a traverse 5 m above the
bottom of a blind pit lands on a broad ledge bottom of a blind pit lands on a broad ledg
Clambering up a slope at the back of this Clambering up a slope at the back of this the passage gains in size, which leads to a
small hole down at the end of it which takes small hole down at the end of it which tak the draught. Descending a steep boulder
slope passes the remains of a bat and a slope passes the remains of a bat and a
short hands and knees crawl which ends a short hands and knees crawl which ends a the top of Sparrowhawk p6. This drops
into a larger tunnel where an area of sever into a larger tunnel where an area of several
interconnecting shafts/avens is met interconnecting shafts/avens is met Terrahawk.
A traverse along the right-hand wall as far
as possible gains a saddle with a short descent, teetering across a rock bridge and a climb up the other side gains the continuation of the large horizontal passage. This continues finely decorated for around 70 m which ends abruptly at a 3 m climb down into a blind pit/aven.
Part way along the traverse on the rightcan be made, a re-belay just over the li and a $y$-hang 4 m below provides a free hang to the floor.
Landing in the Sandwich Streamway
Landing in the Sandwich Streamway
upstream passes a few squeezes before
upstream passes a few squeezes before
becoming too tight after 50 m . A few metres becoming too tight after 50 m . A few metre downstream it is possible to climb up into he base of another large impressive aven. Continuing downstream, progress is mainly made in the water, climbing out at one point onto a higher sandy ledge on the right to be deposited back into the water and a low
watery squeeze, The Great Northern watery squeeze, The Great Northern Loon. After this the passage quicky gains in size, passing a giant column and a hidden aven before emerging into Wild Cat Passage. The water sinks at the start of this into a flat-out crawl, cascading over a吕 undescended drop into what looks like a larger continuation Above the stream sink is an inlet, all as the rock is far too soft to take a bolt and even digging big steps disintegrate wher weighted. Either a scaling pole or a Matienzo acrobatic human pyramid squad is required Wild Cat Passage is a large tunnel
traversing over several holes in the floor to Lynx Pitch p7, to a larger chamber below Lynx Pitch p7, to a larger chamber below.
The lowest point of this chamber is another The lowest point of this chamber is anothe
well decorated grotto which ends in a too well decorated grotto
tight slot on the floor.

Up to the Lynx Pitch area the genera passage direction has been mainly trending South-West and the way on and subsequent passages suddenly head South-East. Further investigation of this area would be
worthwhile; however, any progress would From the bottom of Lynx Pitch, up short slope, the main route quickly degenerates to hands and knees then flatout crawling, passing a couple of squeezes, down into another enlargement, the streamway is re-joined.
hort climb up to a too Log Flume. A bedding where the water tomerges from would require a reasonable digging operation to get into an enlargement visible beyond this constriction

Downstream The log Flume descends on a steady 12 degrees angle and is mostly crawling interspersed with larger sections, deep pools and climbs. After 100 m the top of a 3 m pitch is met, The Flume Herder. A brief enlargement soon degenerates to enlargement in the streamway. At anothe enlargement a passage on the right enters Real Cat after a 1 m climb up. This is a higher level comprising mainly of a wide dry sandy bedding, containing animal tracks and bones. A brief squeeze enters a further dry diamber and another well decorated MATIENZO UNDERGR
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area with an unentered hole in the roof
which is guarded by teetering boulders. Back in the streamway, The Log Flume continues to descend with more crawling in water. At a slight enlargement a junction is met, upstream becoming too tight and downstream exploration was halted at a very tight low duck.

## Notes:

Due to the very friable nature of the rock Due to the very friable nature of the rock
throughout this cave and several near throughout this cave and several near misses, it is highly recommended that
entrance pitches are inspected upon each entrance pitches are inspected upon each visit and descended one at a time from the surface and calling "rope free" only when well out of the way at the very bottom, as
anything falling down the entrance will hit a anything falling down the entrance will hit a descending potholer.

- The Botanical Highway rope traverse passes numerous sections of large loose and very dubious rock, so careful and delicate caving is required along its length as hand foot holds can and have regularly broken off.
- The Sandwich Streamway has not been experienced in wet weather, so it is unknown if low sections such as The Great Northern Loon would be passable. Northern Loon would be passable.
- The Log Flume was explored during - The Log Flume was explored during return up the Log Flume can be time return up the Log Flume can be time
consuming and strenuous particularly with a big bag, so any rise in water level would big bag, so any rise in water level wou
make this very difficult, dangerous or impassable. It is strongly recommended to impassable. It is strongly recommended
visit these areas in dry settled weather.

Rigging - all bolts are 8mm thru-bolts: Himalayan Balsam (entrance P25): 45m rope, 7xhangers
Botanical Highway (lengthy traverse with inclined p7): 105 m rope 26 xhangers Shite Hawk (p9+p24): $25+45 \mathrm{~m}$ rope 8xhangers
Sparrow Hawk (p6): 10m rope (left in alcove), 2xhangers
Terrahawk (p44): 60 m rope, 8 xhangers Lynx Pitch (p7): 15 m rope (left at top of pitch) $1 \times$ xhanger, $1 \times n a t u r a l, 1 \times d e v i a t i o n ~ o f f ~ a ~$ thread
Flume Herder (p3): 8 m rope (left in alcove in streamway), 1xhanger, 1xnatural in streamway), 1xhanger, $1 \times$ nat Audrey II (p13): 20m rope
Audrey II (p13): 20m rope
The Perihelion (p24): 30m rope, 3xhangers Petticoat Pitches (P10+p20+p7) 25+45m rope, $9 x$ hangers
Euphorbia (p7+p10): 24 m rope, 5 xhangers Bramble Pitch (p7): 10 m rope, 3 xhangers Sombre Bee Orchid (p12+p7): $20+15 \mathrm{~m}$ ope, 5xhangers, 4xnaturals
Ghost Orchid ( p 10 ): 20 m rope, 2 xhangers,
$1 \times n a t u r a l$ 1xnatural

Reference: anon., 2004c (Whit logbook); anon., 2021 f (Christmas logbook); Scaife C, 2022; anon., 2022e (Christmas logbook); anon., 2023c (summer logbook)
Entrance pictures: 2004, 2021: 2021 :
Underground pictures: Early explorations: 26th December 2021 - 3rd January 2022 - 1st and 2nd pitches • 3rd, 4th, 5th, Ghost Orchid pitches; Ivy Climb • Botanical Highway • animal bones
Underground pictures: 7th - 18th April 2022 Flume and Real Cat • miscellaneous
Video: Explorations from 26th Dec Video. Explorations from 26th Dec 2021 to 3rd January 2022 (YouTube)
videos Easter 2022
1 Botanical Highway and a side passage at the top 2 Around Petticoat Pitch - opening up new pitches d 3 Exploring the new Shitehawk and Sparrowhawk p 4 The new Terrahawk Pitch area and Sandwich Stre 5 The newly discovered Lynx Pitch and Wildcat Pass 6 The new Log Flume and Real Cat (15:41)

Detailed Survey: 2022 Easter Overview survey : Final drawing by Simon Cornhill and Diane Arthurs completed December 2022: plan : elevation: plan \& elevation
On area survey: Area survex file (after Easter 2022) Survex file: Dec/Jan 2021 : Easter 2022

Reference: anon., 2004c (Whit logbook); anon.
2006d (summer 2006); anon., 2023c (summer logbook)
Video:
Detailed Survey
Line survey:
On area survey:
Survex file:
x
2085: shaft

A tiny rift filled with tyres, at least one of which is a Grabber tyre (now adorning the entrance to the Sumidero de Cobadal). Undescended.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s): Video: Detailed Survey Line survey: On area sur
Survex file:

X
2089: dig
Cobadal 30T 4483194798342 (edge of depression) (Datum: ETRS89. Accuracy code: G) Altitude 185m Area position

The draught emerges between boulders in a wooded depression where a stream sinks in wet weather.

$$
\begin{aligned}
& \text { Line survey: } \\
& \text { On area survev }
\end{aligned}
$$

On area survey:
Survex file:

X
2090: Shanty Town
Cobadal 30T 4477024798536 (Datum: ETRS89. Accuracy code: G) Altitude 150 m Length 4 m Depth 3 m Area position

Updated 24th April 2013; 20th September 2014; 9th May 2018

An excavated, draughting, bouldery hole above a wet weather stream sink in a wooded shakehole. Further work was carried out at Easter 2013 and in the summer 2014 out at Easter 2013 and in the summer 2014
when it was left with scaffolding required.

A couple of days were spent removing A couple of days were spent removing
more material over Easter 2018. The site more material over Easter 2018. The site now requ

Reference: anon., 2004d (summer logbook); Corrin Juan, 2006; anon., 2013b (Easter logbook); anon., 2014c (summer logbook); anon., 2018b (Easter logbook)
Entrance pictures: July 2004 : April 2018 Entrance pictures: July 2 (
Underground picture(s):
Underground picture(s):
Video: from 2004 - sink and dig : Andy Pringle
digging with Ian Chandler: Pete O'Neill resting : digging with Ian Chandler: Pete O'Neill resting : looking upstream and walling the dig
Digging helpers, April 2018 (YouTube) Digging helpers, Ap
Detailed Survey :
Line surver.
Line survey:
Survex file:
X
2091: diq (Firestone Dig)
Cobadal 30T 4485704797747 (Datum: ETRS89 Accuracy code: G) Altitude 210 m Area position

Updated 14th October 2011; 19th September 2013

The "Firestone Dig", excavated to a flatout section which has a good draught but has not been entered.

Over three days in July 2011, the supposed upstream course of Fuente Aguanaz (or, at upstream course of Fuente Aguanaz (or, at
least, part of it) was dowsed. The furthest least, part of it) was dowsed. The furthest point reached was a small sink close to the entrance of the Sumidero de Cobadal. number of inlets and sinks were also highlighted. See the links below.
In July 2013, a team, parked near to the greenhouses, were told to go away by a local (farmer?).

Reference: anon., 2004d (summer logbook); anon 2011d (sun logbook)
Entrance pictures: yes distant position Underground picture(s):

## Video:

Detailed Survey
Line survey
On area survey: Dowsing reactions close to this cave : All dowsing reactions in the supposed Fuente Aguanaz catchment. (Article about the dowsing carried out in July 2011 can be found here.) Survex file:
x
2093: shaft
El Naso 30T 4513684796311 (Datum: ETRS89. El Naso 30T 451368 4796311 (Dat
Accuracy code: M) Altitude 425 m Accuracy cc
Depth 3 m Area position
the goat path at the foot of a scar. single diagonal line. A choked shaft.

Reference: anon., 2004d (summer logbook); anon. (Easter \& summer); Corrin Juan, 2006 Entrance pictures: yes Entrance pictures: yes
Underground picture(s)

A shaft against a small rock scar. There is a rock bridge half way along the top of the 4 m long shaft. The shaft drops about 10 m to a ledge with a large birds nest and ends at 16 m with choked rifts.

Reference: anon., 2004d (summer logbook); anon Reference: anon., 2004d (summer logbook);
2005b (Easter \& summer); Corrin Juan, 2006a Entrance pictures: ye

Updated 27th September 2012; 6th, 23rd January 2024

An draughting, excavated shaft of about 2.5 m depth. Stones fall another 6-8m. The hole couldn't be found in 2012, "probably hole couldn't be found in 2012, "probably
the old datum issue". [To change WGS84 to the old datum issue". [To change WGS84 to Eur79, add
northing.]
The site could also not be found in December 2023 in very overgrown conditions.

Reference: anon., 2004d (summer logbook); anon 2012d (summer logbook); anon., 2023 B (Christmas
logbook); anon., 2024a (January, February logbook) logbook); anon., 2024a (January, February logbook)
Entrance pictures: 2004 : December 2023 Entrance pictures: $\mathbf{~ U n d e r g r o u n d ~ p i c t u r e ( s ) : ~}$
Video:

```
Detailed Surve
```

On area survey:
On area sur
Survex file:
X

2100: cave
Llueva 30T 454363 4798262 (Datum: ETRS89 Accuracy code: G) Altitude 238 m Length c30m Area position

Updated 15th May 2019
An obvious cave entrance in the rock face below the bottom entrance of Cueva del Túnel. The site is probably best approached through Cueva del Túnel and then hacking down through the 50 m of jungle to the entrance on the left.

At the back of the small entrance chamber, 7 or 8 m of stooping below a false floor emerges in walking passage that floor emerges in walking passage that
chokes down to the right and closes in at chokes down to the rigt and closes in at higher level on the left. There are numerous roots, especially near the end of the cave. A visit looking for red marks (as recently found in Túnel) in April 2019 found only animal scratches.

Reference: anon., 2004d (summer logbook); Corrin
Reference: anon., 2004d (summer logbook);
Juan, 2006; anon., 2019b (Easter logbook) Entrance pictures:
Underground picture(s): 2004 : April 2019 ,
Videos: jungle at entrance : roots near end Videos: jungle at entrance : roots near end : roof walking-sized passage : crawl/stoop out to entrance walking-sized pass
12
Detailed Survey
Line survey: Detailed Sur On area survey Survex file:

2101: dig
La Secada 30T 4514294797619 (Datum: ETRS89. Accuracy code: G) Altitude 224 m

Updated 22nd September 2023
A strongly draughting, excavated shaft right next to the first dogleg on the northern road out of the Matienzo depression. There is a lot of neatly stacked spoil visible from the road.
The dig was left to stabilise at about 3 m deep.
In the summer 2023 the dig, with a good draught, was deepened over 2 sessions to about 5 m with lots more work to do.

Reference: anon., 2004d (summer logbook); anon. 2023c (summer logbook) Entrance picture: yes Underground picture(s): Video:

## Detailed Surv

Line survey
On area sur
Survex file:
x
2102: shaft
Seldesuto 30T 4483124794177 (Datum: ETRS89. Accuracy code: G) Altitude 535 m Length 12 m Depth 7 m
Area position Area position

Updated 3rd January 2021; 22nd September 2023

A 4 m pitch drops into an 8 m long rif passage which is probably on a fault. In August 2023, the entrance appeared to have been closed off with rocks. Reference: anon., 2004d (summer logbook); anon.
2021a (January, February logbook); anon., 2023c 2021a (January, Fe
(summer logbook)
Entrance pictures: 2004, 2023 Underground picture(s): 2004 Video:

## Detailed Sur

Line survey:
Survex file:

X
2103: shaft
Bosmartín 30T 4494604797248 (Datum: ETRS89.

In 2004 this was described as a rocky-sided and brambly depression which is about 4 m and brambly depression which is about 4 m
diameter and appears to be about 4 m deep. diameter and appears to be about 4 m deep
Undescended. Seven years later the hole Undescended. Seven years later the
has been obscured by the brambles.

```
Reference: anon., 2004d (summer logbook); anon.,
Reference: anon., 200 (E)
Entrance picture: yes
Entrance picture: yes
Underground picture(s
Video:
Detailed Surve
On area survey
Survex file:
x
2105: shaft
Cobadal 30T 449427 4797437 (Datum: ETRS89,
Accuracy code: G) Altitude 462m
```

Depth 3 m
Area positio

An undescended $3 m$ deep shaft a few metres from site 2077

```
Reference: anon., 2004d (summer logbook)
Entrance picture: yes
Underground picture(s)
Video:
Detailed Survey
Detailed Sur
On area sur
Survex file:
2106: shaft
Cobadal 30T 4494104497396 (Datum: ETRS89.
Accuracy code: G) Altitude 473m
```

Area position

A small shaft completely filled with white goods.

Reference: anon., 2004d (summer logbook) Entrance picture: yes Underground picture(s) Video:
Detailed Survey
Line survey
On area surv
Survex file:

2107: shaft
Cobadal 30T 4497864797759 (Datum: ETRS89 Accuracy code: G) Altitude 457 m Depth 4m Area positior

A brambley top to an undescended 4 m drop.
Reference: anon., 2004d (summer logbook)
Entrance pictures: yes
Underground picture(s)
Under:
Detailed Survey
Line survey
On area sur
Survex file:
X

2108: Apprentice Cave La Secada 30T 4515114797712 (Datum: ETRS89. Accuracy code: G) Altitude 236 m Length 50 m Depth 7 m

This site, along with nearby site 2101 lie over the end of the passage heading west in Cueva Bollón.

Small extensions were made in August 2023. Uphill from the chamber was pushed to an upper stal chamber with all ways blocked and with no draught. Downhill was pushed through 2 constrictions to a bouldery rift on the right and a excavted route on the eft to a uphill rift which closed down after 2 to 3 metres. At the end of the rift there is a short, choked descending passage. The extensions were not surveyed but the approximate length has been included in the length above. There are no more prospects.

Reference: anon., 2004d (summer logbook); anon 2006d (summer 2006); Corrin Juan, 2007; anon., 2023c (summer logbook) Entrance pict Underground pictu
2006 : August 2023 2006: August 2023
Video:[ 2004: chamber -1 st exploration Video:[ 2004: chamber - 1st exploration
formations climb out Pete Smith on the climb and formations climb out Pete Smith on the clim
crawl up ] : August 2023
Detailed Survey : sketch from August 2023 Detailed Survey : sketch from August 2023 Line survey: n area survey: Survex file: 2006 (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014. X
2109: dig
La Secada 30T 4515074797718 (Datum: ETRS89. Accuracy code: G) Altitude 237 m

\section*{| Length 5 m |
| :--- |}

Updated 23rd September 2023
[Previous grid reference: 30T 451512 [Previous
$4797725]$
The northern hole in this wooded depression which also contains the rift entrance for site which also contains the rift entrance for site
2108 . A 5 m long, mud-floored, excavated crawl leads to a face of mud and calcite witl crawl leads to a face of mud and calcite w
nothing to really encourage digging. This site, along with nearby site 2101 lie over th site, along with nearby site 2101 lie over th
end of the passage heading west in Cueva Bollón.

## Reference: anon., 2004d (summer logbook); anon

 Reference: anon., 2004 C2023c (summer logbook) Entrance pictures: yes Underground picture(s):

```
Video:
```

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

## 2110: shaft

S Vega 30T 452386 4794285 (Datum: ETRS89. Accuracy code: G) Altitude 555 m Depth 4 m Area position

The first encounter had stones dropping "a long way"; the second showed the hole in the grass as being about 4 m deep. Undescended.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey
Line survey: Line survey: Survex file:
x
2111: shaft
S Vega 30T 4525124794314 (Datum: ETRS89. Accuracy code: G) Altitude 542 m
Depth 3 m Depth 3m Area position
A 3 m deep hole covered with a slab. Undescended.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s) Video:
Detailed Survey :
Line survey: Line survey On area surve
Survex file:

X
2112: dig
Arredondo 30T 4502544792601 (Datum: ETRS89. Accuracy code: G) Altitude 469 m
Area position
Area position
This site lies in the same wood as 1350. A small rift is choked with stal and a small, 25 $x 15 \mathrm{~cm}$ hole draughts out. Probably not worth a dig.

Reference: anon., 2004d (summer logbook)
Reference: anon., 2004d
Entrance pictures: yes
Underground picture(s):
Underground picture(s):
Video:
Detailed Survey
Line survey:

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Volume 3 - page 12

On area surve
Survex file:

2114: cave (3398 (French: SCD)) Arredondo 30T 4503124792771 (Datum: ETRS89. Arredondo 30T 4503124792771
Accuracy code: G) Altitude 527 m Accuracy coo
Length 12 m Area position

Updated 16th November 2022

The cave is at the top of the next field up above site 2113 . It lies under a 1.5 m high face and the entrance crawl leads to face and the entrance crawl leads to a
stooping-sized chamber with bats. There are stooping-sized chamber with bats. There a
three possible ways on and a smoke test three possible ways on and a smoke test
would be useful to show which route takes would be useful to show which route takes the inward draught

Guy Simonnot visited and "cleared" the hole on January 15, 2022, finding a "current of air then blowing at the entrance and at the back on the left"

Reference: anon., 2004d (summer logbook)

The cave, next to the track in a wood, is marked SCD at the entrance. A walk-in hole leads to a crawl with a very strong outward draught.
The site was explored by the SC Dijon in 1988 and Simonnot G, 2016 has the following description (roughly translated from the French)

A small 3 m long cave extends, after a narrow passage, by a descending lower gallery opening at 15 m distance from a pitch into the open air ( 5 m , climbing) in lapiaz. This second entry provides the draught in the cave. The downstream conduit was followed for 5 m to a narrowing but the continuation does not appear of great interest.

Reference: anon., 2004d (summer logbook)
(sketch); Simonnot G, 2016; Simonnot G, 2018 (sketch); Simonnot
Simonnot G, 2022
Entrance pictures: yes

# Updated 6th November 2004 

This cave, high above the track running past Torca de Azpilicueta, is an old, choked cave with roof pendants. The entrance is about 8 m wide and low at the back with a number of possible digs. It may be worthwhile digging, as the entrance gives the impression of a large passage choked with sediment.
The digs on the right and centre of the cave appear to draught.

Reference: anon., 2004d (summer logbook); anon. Reference: anon., 2004d
2004e (autumn logbook) Entrance pictures: yes Underground picture
Video: entrance pan Video: entrance pa Line survey: Line survey: Survex file:

X
2117: dig
La Secada 30T 4533224797685 (Datum: ETRS89. Accuracy code: G) Altitude 313m
Area position
A rift by a track by a tree.
Reference: anon., 2004d (summer logbook)
Entrance pictures: yes
Underground picture(s):
Videor.
Detailed Survey:
Line survey:
On area survey:
Survex file:
X
2118: dig
La Secada 30T 4532824797974 (Datum: ETRS89.
Accuracy code: G) Altitude 328 m
Area position
A dig opposite the telephone pole, just inside the wire gate.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey :
Line survey:
On area surve
Survex file:
x
2119: cave
Alisas 30T 4465424794767 (Datum: ETRS89 Accuracy code: G) Altitude 675 m Length 3 m Area position

A 3m rift in a small outcrop.
Reference: anon., 2004d (summer logbook)
Entrance pictures: yes Entrance pictures: yes Underground picture(s): Detaile Line survey:
On area surve
Survex file:
x
2120: shaft
Alisas 30T 4462944795054 (Datum: ETRS89 Accuracy code: A) Altitude 564 m Area position

An unexplored shaft in a wooded depression.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey Line survey: Survex file:
etween boulders. Beyond there are some large helictites and a group of fine formations including some curtains. Not all the passages have been pushed but it is assumed they will connect to the main route
The cave ends at an 8 m pitch which is choked. To the left, the passage continues as a stal choke. This has been dug once but little progress made
A mesolithic deposit near the entrance includes various stone tools and a human mandible fragment. (See Ruiz Cobo J and Muñoz Fernández E, 2013, pp359-360.)

Reference: anon., 2004d (summer logbook); Corrin
Juan, 2006; anon., 2008c (Easter logbook); Ruiz Reference: anon., 2004d (summer logbook);
Juan, 2006; anon., 2008c (Easter logbook); Rui Cobo J and Muñoz Fernández E, 2013 Entrance pictures: distant and close up Underground picture(s): yes
Video: by Juan Corrin with Michael Wood and Pete Smith, 2004 entrance : ladder pitch at end : crawl near pitch passage

```
formations
```

helictites
Full video from 2004 (YouTube)
Detailed Survey : $1: 5$
Sport Santander leafle
Line survey:
On area survey
Survex file: yes (Amended magnetic declinatior
December 2013 to align with Eur79 grid and
December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014. )
$\frac{\text { 2122: caves - } 3}{\text { EI Naso 30T } 4512214796257 \text { (Datum: ETRS89 }}$
El Naso 30T 4512214796257 (Da
Accuracy code: G) Altitude 363 m
Length 11 m
Area position

A set of 3 tiny caves at the base of a cliff. The left and middle holes are 3 m long, the right hand tube about 5 m long

Reference: anon., 2004d (summer logbook) Entrance pictures: yes
Underground pil
Video:
Detailed Survey
Line survey:
Line survey:
On area survey
Survex file:
2123: cave
aso 30T 4512054796262 (Datum: ETRS89
Accuracy code: G) Altitude 365 m
Area positio
A tiny, 3 m long, choked tube above site
356.
Reference: anon., 2004d (summer logbook,
Entrance pictures: yes
Underground picture(s)
Video:
Detailed Su
Line survey
Line survey
On area sur
Survex file:
2124: shaft
Cobadal 30T 4481644798637 (Datum: ETRS89
Accuracy code: G) Altitude 225 m
Length 3 m Depth 3 m
Area position

A 3 m deep rift where a corkscrew passage ends in total blockage at a mud floor.

Reference: anon., 2004b (Easter logbook); anon.

## Depth $4 m$ Area positi

A 4m deep, undescended shaft.
Reference: anon., 2004d (summer logbook) Reference: anon., 2004d
Entrance pictures: yes
Underground picture(s) Entrance pictures: yes
Underground picture(s Video: Detailed Surve
Line survey: Line survey:
On area surve On area sur
Survex file: Survex fild

X
2127: cave
S Vega 30T 450985 4794534 (Datum: ETRS89. S Vega 30T 450985 4794534 (Datu
Accuracy code: G) Altitude 558m Length 60 m Depth 50 m Area position

Updated 6th November 2004
A short crawl leads into a small, sit-up chamber with mainly soft calcite walls. At the far side, a 50 m deep, blind pitch has been descended in a roomy shaft with rifts been desce
and avens.

Reference: anon., 2004d (summer logbook); anon. 2004e (autumn logbook); Corrin Juan, 2006; Corrin 2004e (autum
Entrance pictures: yes
Entrance pictures: yes
Underground picture(s)
Video: rock down pitch

```
Detailed Survey : sketch from logbook
```

Line survey:
On area survey:
Survex file:
x
2128: shaft
2128: Shaft 479485 (Datum: ETRS89
S Vega 30T 4509794794485 (Dat
Accuracy code: G) Altitude 580 m
Depth $2 m$
A $2 m$ deep drop with possible holes in the
floor that need investigating

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Undergro
Video:

```
Detailed \
```

Line survey:
On area survey
Survex file:
X
2129: shaft
S Vega 30T 4510164794474 (Datum: ETRS89
S Vega 30T 4510164794474 (Dat
Accuracy code: G) Altitud
Length 20 m Depth 12 m
Length 20 m
Area position

Updated 6th November 2004
An open, roomy and long rift which drops 8 m to a floor with a further 4 m pitch to where the site becomes choked with rocks and bones.

Reference: anon., 2004d (summer logbook); anon. Reference: anon., 2004d
2004e (autumn logbook)
Entrance pictures: yes
Underground picture(s):
Video: Jenny Pinder lining Ali Neill
Video: Jenny Pinder lining Ali Neill
Detailed Survey: sketch from logbook Detailed Surve
Line survey: On area survey Survex file: of the scar.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey
Line survey: Line survey On area surve
Survex file:
Survex fil
X
2131: shaft
S Vega 30T 4514134794704 (Datum: ETRS89 Accuracy code: G) Altitude 475 m Depth 4m Area position

An undescended, 4 m deep shaft under a large sandstone block.

Reference: anon., 2004d (summer logbook) Entrance pictures: yes Underground picture(s):

## Video:

Detailed Survey
Line survey:
Survex file:
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## 2133: shaf

Reference: anon., 2004e (autumn logbook)
Reference: anon., 2004
Entrance pictures: yes
Entrance pictures: yes
Underground picture(s)

2136: shaf
2136: shaft

## x

$$
\begin{aligned}
& \text { Situated just to the northwest of site } 213 \\
& \text { this } 6 \mathrm{~m} \text { shaft has a slope to a choke. . }
\end{aligned}
$$

Reference: anon., 2004f (Christmas logbook) Reference: anon., Underground picture(s): Video: Detailed Surve
Line survey: Line survey:
On area surve On area sur
Survex file:

## x

2138: cave

Cubijia 30 T 4502274797050 (Datum: ETRS89 | Accuracy code: G) Altitude 364 m |
| :--- | Length 10 m Depth 7 m Area position

Updated 21st December 2004
A small cave entrance lies above the track. A short crawl meets a junction. To the left, a squeeze through into a rift lands on the top squeeze through into a rift lands on th of a narrow shaft, about 7 m deep and
covered with blocks that need removing. To covered with blocks that need removing. To the right, a squeeze through at the end of
5 m of stooping-height rift passage enters a 5 m of stooping-height rift passage enters a section of tiny tubes.
On the right of the entrance, a tiny hole is at the top of a small shaft which is about 10 m deep. This may dig.

Reference: anon., 2004e (autumn logbook); anon., 2004 f (Christmas logbook) entrance pictures: yes Underground picture(s): yes Video: Detailed Surve Line survey: On area surv
Survex file:

2139: Cráneo, Torca del (Torco de Cubija)
Cubija 30T 4504074796839 (Datum: ETRS89
Accuracy code: G) Altitude 393m
Accuraty code: G) Altitud
Length 51 m Depth 10 m
Area position : A Google search for this site (Cráneo
Torca del+Cubija) Torca del+Cubija) Updated 22nd December 2004, 12th
October 2005; 27th October 2007; 23rd December 2008; 19th February, 30th November, 3rd December 2016; 8th January 2020

A small cave entrance below a 1.5 m scar is blocked by 2 rocks. A 3 m crawl slopes down the quickly enlarges to the head of a down the quickly enlarges to the head of
10 m pitch. The pitch top is $3-4 \mathrm{~m}$ across and, to the right, a step down and free climb and, to the right, a step down and free climb
down the back reaches the base of the cave through a small rift

If a ladder is used down the main drop
If a ladder is used down the main drop
this hangs between large flakes and lands in a well decorated, low chamber. To the north, a 4 m wide rift ascends past the entry point on the right from the free climb to where it chokes with calcite after some 15 m . There appears to be a hole about 8 m up above the calcite which may pass over the blockage. A maypole could be useful to ascend the calcited walls.
Near the base of the ladder when the cave was first entered in December 2004 there was black pottery and some bones. Half way up the ladder, on a ledge at the western side of the pitch, about 5 m above the floor, lay a damaged human skull. On a ledge hidden under the skull was some more pottery.

One theory for the position of the remains is that the bones were packed into an urr which was placed on the entrance slope above the pitch. This eventually rolled down hit the flake part way down the drop with the urn and contents shattering. The skull and some pottery landed across the drop and the remaining pottery and possibly bones fell to the base
During the summer 2005, the skull, pottery and bones were removed. The pottery belongs to at least 5 bronze age objects and the skull is likely to belong to an adolescent from about 3500bp, ie the Middle Bronze Age, about 1500BC. The pottery has mamelones", characteristic protrusions or nipples similar to those on pottery from Torca del Serruco.
The results of a preliminary study by Jesús Ruiz Cobo is found here as a pdf file. major article Heads Will Roll: Prehistoric human remains and pottery from two sites in the Matienzo area (North Spain) (Smith P, Corrin J \& Ruiz Cobo J, 2008) describes the finds and compares the pottery assemblage with pottery found in sites 0003, 0065, with pottery found in sites 0003, 0065 ,
$0089,0179,0360,0913$ and 1232 . This publication also suggests that it is probable this site "was associated with a small openair settlement, possibly located at the head air settlement, possibly located at the head Line drawings of
Line drawings of the skull from 4 sides (from Ruiz Cobo Jesús et al, 2008) can be viewed here. In reference Ruiz Cobo Jesús, 2016a, Chuchi calls the site El Torco de MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024

Reference Smith P et al, 2015 has a Refery of the archaeological work carrie out within 2004-2016.

References: anon., 2004e (autumn logbook); References: anon., 2004e (autumn logbook);
anon., 2004f (Christmas logbook); anon., 2005 b
(Easter \& summer); Corrin Juan, 2006; Corrin Juan (Easter \& summer); Corrin Juan, 2006; Corrin Jua
and Smith Peter, 2007; Smith P, Corrin J and Ruiz Cobo J, 2008 (survey and drawings); Ruiz Cobo Jesús et al, 2008 (survey and drawings); Ruiz Cobo and Muñoz Fernández E, 2013; Ruiz Cobo Jesús 2016a; Smith Peter et al, 2016 Entrance pictures: yes Underground picture(s): yes Underground picture(s): yes
Archaeological remains: yes Video: by Juan Corrin 145Mb 10 minute wmv o excavations Piso 1:
Pete Eagan on entrance pitch: close up of skull Pete Smith looking into entrance : Jesús Ruiz Cob measuring on "piso 1"

## 2141: cave

## S Vega 30T 451113 4794554 (Datum: ETRS89

 racy code: G) Altitude 573m```
\begin{array} { l } { \text { Undergro} } \\ { \text { Video: } } \\ { \text { Detailed} } \end{array}
Detailed Surve
Line survey:
On area survey:
```

Survex file:
X
2144: shaft
EI Naso 30T 452113 4796529 (Datum: ETRS89.
Accuracy code: G) Altitude 260 m
Length 6 m Depth 6 m
Area position
A 6 m deep shaft near site 1295 .
Reference: anon., 2004f (Christmas logbook)
Entrance pictures:
Underground picture(s):
Video:
Detailed Survey:
Line survey:
On area survey:
Survex file:
X
2145: dig
S Vega $30 T 4512574794102$ (Datum: ETRS89.
Accuracy code: G) Altitude 599 m
Length 2 m Depth 2 m
Area position
A 2 m excavated drop into a bouldery mess
that may dig.
Reference: anon., 2004e (autumn logbook)
Entrance pictures: yes
Underground picture(s):
Underground picture(s):
Video: Pete Eagan emerging from site 2145
Video: Pete Eagan
Detailed Survey :
Line survey:
On area survey
Survex file:
$\frac{2146 \text { : diq }}{5146: 30}$
S Vega 30T 4512784794037 (Datum: ETRS89
S Vega 30T 4512784794037 (Dat
Accuracy code: G) Altitude 600 m
Accuracy code
Area position

A small hole with a good draught.
Reference: anon., 2004e (autumn logbook) Entrance pictures: yes Underground picture(s): Video: Line survey: On area surve Survex file:
x
2147: shaft (3385 (French:
SCD)
Arredondo 30T 4496084793221 (Datum: ETRS89. Accuracy code: M) Altitude 648m Length20m Depth 15 m
Area position Area position
Updated 14th, 18th October 2011; 16th November 2022

A small but obvious hole opposite site 1754 leads $1-2 \mathrm{~m}$ down slippery mud and into a shaft of approximately $8-10 \mathrm{~m}$ depth. The
landing is on a boulder floor amongst the landing is on a boulder floor amongst the
bones of a dead sheep and some plastic bones of a dead sheep and some plastic
sheeting. A few rocks were removed from sheeting. A few rocks were removed from
the floor to find a false floor. To force a gap the floor to find a false floor. To force a gap
big enough to fit through, a dig through the big enough to fit through, a dig through the decayed sheep carcass was required.
revealed the second half of the shaft.

The shaft ends quickly - filled with small, loose rocks approximately 6 m below the false floor - at this point the shaft being approximately 2 m wide. There is the remote possibility of an unpleasant and unpromising dig through these rocks in one direction - where the wall of the shaft appeared to start to bend towards the horizontal - however, this might be a waste of energy given the other promising leads in this region.

Reference: anon., 2004e (autumn logbook); anon., Reference: anon., 2004e (autumn logbook);
2011d (summer logbook); Simonnot G, 2022 Entrance pictures: yes Underground picture(s): 2011 Video: 2011
Detailed Survey :
Line survey:
On area sury
On area surve
Survex file:
X
2148: dig
San Pantaleón de Aras 30T 4593334799803 (Datum: ETRS89. Accuracy code: G) Altitude 60 m
Area position Area position

An archaeological dig
Reference: anon., 2004e (autumn logbook) Reference: anon., 2004e
Entrance pictures: yes
Underground picture(s):
Video:

Detailed Survey :
Line survey:

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on area surve
survex file

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Survex file:
```


## 2149: dig

Arredondo 30T 4502284793008 (Datum: ETRS89 Accuracy code: G) Altitude 510m

A dig at the rear of a depression which draughts out in winter

Reference: anon., 2004f (Christmas logbook) Entrance pictures: y Underground picture(s)

## 2151: cave

San Pantaleón de Aras 30T 4593464799677 (Datum: ETRS89. Accuracy code: G) Altitude 44 m Length 35 m Depth 3 m Area position

A narrow labyrinth.
Reference: anon., 2004e (autumn logbook) Reference.
Entrance pictures: yes
Underground picture(s): yes
Video:
Detailed Survey : 1:500 gif 1:500 pdf Line survey:

## On area survey

Survex file: yes (Amended magnetic declinatio coordinates altered to align with Eur79 grid and
x
2152: Cubo, Cueva de (Avellano Cueva del)
San Pantaleón de Aras 30 T 4592634799738 (Datum: ETRS89. Accuracy code: G) Altitude $45 m$ Length 66 m Depth 9 r Area position

Updat
2009
The rock shelter entrance with
archaeological levels is in a rock face. There is a narrow drop down to a larger passag Ruiz Cobo Jesús et al, 2008 mentions a molar from a Dicerorhinus mercki (rhino). A comprehensive summary of the deposits is found in Ruiz Cobo Jesús and Muñoz Fernández Emilio et al, 2009.

Reference: anon., 2004e (autumn logbook); Ruiz Cobo Jesús et al, 2008; Ruiz Cobo Jesús and Muñoz Fernández Emilio et al, 2009 (survey and photo) Entrance pictures: Underground picture(s): yes

```
Video:
Detailed Survey : 1:500 gif 1:500 pd
```

Line survey:
On area survey
Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.)

2153: cave
Cubija 30T 450297 4796733 (Datum: ETRS89. Cubija 30T 4502974796733 (Dat
Accuracy code: G) Altitude 320 m Length 31 m Area position

A cave entrance hidden behind brambles in a small depression higher than the fence a small depression higher than the
above Torca de Mostajo. Inside the
entrance, a crawl down to the left enters a entrance, a crawl down to the left enters a small chamber with formations above and deep animal scratches in the calcite on the left hand wall. Further crawling enters a slight enlargement and a tight crawl along a hading rift to a roomy dogleg where the walls are fossilised with breccia. Another tight crawl has not been pushed where it becomes 30 cm wide and ascends gently on calcite.

Reference: anon., 2004 f (Christmas logbook),

Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.

## x

2154: dig
Muela 30T 4537974796409 (Datum: ETRS89 Accuracy code: G) Altitude 483 m

## Area position

A small sink in sandstone about 10 m below the contact with limestone. It looks like it may have collapsed recently. The site would dig.
Reference: anon., 2004e (autumn logbook)
Entrance pictures: yes
Underground picture(s):
Video:
Detailed Survey:
Line survey:
On area survey:
Survex file:
X
2155: cave
Muela 30T 453832 4796412 (Datum: ETRS89
Accuracy code: G) Altitude 500m
Length 5m
Area position

A cave above site 2154 in the base of a limestone band. The passage is 5 m long to a tight dig that does not look promising.

```
Reference: anon., 2004e (autumn logbook)
```

Reference: anon., 2004e
Entrance pictures: yes
Underground picture(s):
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
X
2156: dig
Muela 30T 4539054796223 (Datum: ETRS89
Accuracy code: G) Altitude 558 m
Acrearacy position

A spring/cave above the main springs. Water appears and sinks inside a very small cave and it seems to feed the main spring. The site may dig but is tight.

Reference: anon., 2004e (autumn logbook) Entrance pictures: yes
Underground picture(s) Underg
 Line survey: On area survey:
Survex file: Survex file:

X
2157: dig
Arredondo 30T 4500774793439 (Datum: ETRS89 Accuracy code: G) Altitude 630 m
Accuracy cod
Depth 3 m
Area position
A small hole seems to go down about 3 m .
Reference: anon., 2004f (Christmas logbook) Entrance pictures: yes
Underground picture(s) Underground picture(

 On area sury
Survex file:
x
2158: shaft
Arredondo 30T 4499124793470 (Datum: ETRS89 Arredondo 30T 4499124793470
Accuracy code: G) Altitude 667 m Accuracy code: G) Alti Area position

Updated 1st May, 13th October 2005
A hole covered with wood and rocks and descends 4 m to a choke and narrow rift.

Reference: anon., 2004f (Christmas logbook); anon., 2005b (Easter \& summer)

Entrance pictures: yes
Underground picture(s): looking down shaft

```
Video: Detailed
```

Line survey: On area surve Survex file:
x
2159: shaft
Arredondo 30T 4498994793479 (Datum: ETRS89. Accuracy code: G) Altitude 667 m

## Length 4 m D

Updated 1st May, 13th October 2005
A small, 4 m deep hole that lies on top of the ridge about 20 m N of site 2158 . The shaft draughts out in cold weather. There's a suggestion that this could be site 2210.

Reference: anon., 2004 f (Christmas logbook),
anon., 2005b (Easter \& summer) anon., 2005b (Easter \& summer)
MATIENZO UNDERGROUND - site descriptions (printed 19002/2024
Entrance pictures: ye
Underaround nicture
Underground picture(s)
Video:
Detailed Survey
Line survey
On area surv
Survex file
2160: shaft
Arredondo 30T 4498634793246 (Datum: ETRS89
Accuracy code: G) Altitude 625 m
Depth 4 m
Depth 4 m
Area position

A 2 m diameter shaft that appears choked. It lies only 5 m north of the deep shaft at site 2161 but there seems to be no connection.

Reference: anon., 2004f (Christmas logbook)
Entrance pictures: yes
Undergr
Detailed Survey
Line survey:
On area survey.
Survex file

2161: shaft ( 3422 (French:
SCD)
Arredondo 30T 4498664793249 (Datum: ETRS89, Accuracy code: G) Altitude 625 m
Length 101m Depth 53m
Area position
Updated 13th October 2005; 16th November 2022

A large shaft with the entrance marked with red paint (possibly VT9903). A 31m pitch lands on a steep slope down into a 6 m diameter chamber. A further 6 m pitch drops into a short, tall passage, 12 m long and closing down with a sticky mud floor. A short side passage leads off the chamber.

Reference: anon., 2004f (Christmas logbook); Reference: anon.,
anon., 2005b (Easter \& summer); Simonnot G, 2022 Entrance pictures: yes
Underground picture(s)
Video: boulder down (by Steve Openshaw)
by Juan Corrin: 18Mb video wmv file another boulde

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depth
Neill down Radio from bottom Ali Neill
```

```
up
```

Line survey
Line survey:
On area survey
On area survey:
Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and
Dise
coordinates altered to fit ETRS89 datum, April 2014.)

## 2162: resurgence

 Cruz Llorada 30T 4497994798129 (Datum Cruz Llorada 30T 4497994798129 (DatumETRS89. Accuracy code: G) Altitude 429 m Length 6 m Area position

A spring emerging on sandstone. The cave lies at the back of a hollow and a wet crawl continues after 6 m .

Reference: anon., 2004f (Christmas logbook) Entrance pictures: yes Video:
Detailed Survey
Line survey
On area surv Survex file

2163: dig
Cobadal 30T 4493874798177 (Datum: ETRS89 Cobadal 30T 4493874798177 (D Accuracy code
Area position

A possible dig or cave behind a bramble bush.
Reference: anon., 2004f (Christmas logbook)

## 2165: shaft

A roomy 11 m shaft next to a cliff line. At the base there is a possible dig into a rift.

Reference: anon., 2005a (February logbook);
anon., 2005b (Easter \& summer); Corrin Juan, aba Entrance pictures: yes
Underground picture(s) Underground picture(s):
Video: winter view exploration in the summer: 16 Mb wmv file 2.5 Mb wmv
Detailed Surve Line survey: On area surve
Survex file: x
2166: shaft
La Colina 30T 4538864797126 (Datum: ETRS89. Accuracy code: G) Altitude 525 m Area position

A narrow shaft top marked M3 with green paint.

Reference: anon., 2005b (Easter \& summer) Entrance pictures:
Underground picture(s): Detailed Line survey: On area surve Survex file:

2167: Frank's Cave Length 40 m
Area position

Updated 6th, 21st, 30th November 2005; 20th May 2006; 18th February, 29 th Noth May 2006; 18th February, 29th November 2012; 19th September 2013,
30th April 2016; 28th November 2023

A 10 m deep, excavated rift that has been pushed beyond a muddy crawl to a narrow 2 m deep rift where more excavation is required.
The draughting entrance ( $0.1 \times 0.2 \mathrm{~m}$ ) was discovered in August 2004 during recordings made by Frank Esmann, Martin Kragh, Louise Korsgaard and Torben Redder for the Danish National Television, DR.
The site was declared "finished" when it was possible to see down 6 m in a $20 \times 40 \mathrm{~cm}$ rift.

In February 2012, the site was found to be draughting out in cold weather, the same as draughting out in cold weather, the sa
in hot weather. By autumn, 2012, the covered site had all but disappeared into the landscape

In 2013, the site was opened up again and the right hand rift capped and snappered open to reveal an 8 m narrow and awkward drop (where a ladder should be used) into a chamber where the draught issues from number of possible digs. An annotated survey has been produced. The length and depth are an estimate. The site should be surveyed to work out its proximity to Picón or Regaton.

At Easter 2016, the tight section was found to require capping to continue, the squeeze being too tight even for thin cavers. Two being too tight even for thin cavers. Two
visits (at least one found no draught) in visits (at least one found no draught) in November 2023 confirmed capping was required but thought there were "better prospects elsewhere". The logbook account describes the route to the entrance.

Reference: anon., 2005b (Easter \& summer);
anon., 2005c (autumn logbook); anon., 2006b anon., 2005c (autumn logbook); anon., 2006b (Easter logbook); anon., 2012a (January, February logbook); anon., 2013d (summer logbook); anon.,
2016b (Easter logbook); anon., 2023d (autumn 2016b (E
logbook)
Entrance pictures: during excavations : autumn 2012
Underground picture(s):
Video: Video:
Detailed Survey : 2006 : annotated, 2013 Line survey:
Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and coordinates altered to fit ETRS89 datum, April 2014.
x

## 2168: diq

La Secada 30T 4525134798331 (Datum: ETRS89. Accuracy code: G) Altitude 341 m
Area position

A possible dig into passage.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s):
Vide:
Video:
Detailed Surv
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On area surve
Survex fulile:

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Survex file:
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2169: dig
La Secada 30 T 4525484798366 (Datum: ETRS89
Accuracy code: G) Altitude 344 m
Depth 5 m
Area position

This site needs digging out to reach a 5 10 m pitch.

## Reference: anon., 2005b (Easter \& summer)

 Entrance pictures: yes Underground picture(s)Video:
Detailed Survey
Detailed Su
Line survey:
Line survey:
On area sur:
Survex file:
2170: shaf
La Secada 30T 4525664798382 (Datum: ETRS89
Accuracy code: G) Altitude 342 m
Area position
Area position
An unexplored rift
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s)
Video
Detailed Survey
Line survey
On area sur
Survex file:

2171: shaft
La Secada $30 T 4525814798392$ (Datum: ETRS89 Accuracy code: G) Altitude 342 m Accuracy code
Area position

An unexplored shaft with a $1.5 \times 0.5 \mathrm{~m}$ top This could be site 1646.

Reference: anon., 2005b (Easter \& summer) Reference: anon.,
Entrance pictures: yes Underground picture(s
Video:
Detailed Survey Line survey On area survey Survex file

2172: dig

A slightly draughting, bouldery dig in gulley

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Video:
Detailed Survey
Line survey:
On area survey

2173: collapse
La Secada 30T 4526394798464 (Datum: ETRS89 La Secada 30T 4526394798464 (

```
A collapse depression
```

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s
Video:
Detailed Survey
Line survey:
On area survey
Survex file:

## 2174: shaft

La Secada 30T 4527984798602 (Datum: ETRS89 Accuracy code: G) Altitude 382 m

5m
An unexplored 5 m shaft covered with rocks.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s)
Video:
Detailed Survey
Line survey:
On area sur
Survex file:

2175: shaf
La Secada 30 T 4527344798597 (Datum: ETRS89 Accuracy code: G) Altitude 390 m

20 m
An obscure, unexplored 20 m shaft that requires a bar to open it up.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes
Underground picture(s): Video: Detailed Survey Line survey: On area sur
Survex file:

X
2176: shaft
La Secada 30T 4526464798599 (Datum: ETRS89. Accuracy code: G) Altitude 405 m Depth 5m Area position

An unexplored 5 m shaft that is partly covered.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey : Line survey: On area survey: Survex fil

X
2177: depressior
Cobadal 30T 4476814798443 (Datum: ETRS89 Accuracy code: G) Altitude 187 m Area position

A fenced depression alongside the track There are collapsed sandstone beds, but the site has not been examined in detail.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes
Underground picture(s): Video:

```
Detailed Sur
```

Line survey:
On area survey:
Survex file:
X

2178: Slow-worm Hole Cobadal 30T 4475464798389 (Datum: ETRS89. Cobadal 30T 447546 47983899(Da
Accuracy code: G) Altitude 199m Length 5 m Depth 3 m Area position

A large shakehole which has an excavated, draughting hole in sandstone on the top draughting hole in sandstone on the top
side. A 3 m drop lands in a small, choked chamber

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes
Underground picture(s) Underground picture(s): Video: Line survey: On area surve Survex file:
x
2179: Badger Hole
Cobadal 30T 4476644798314 (Datum: ETRS89 Accuracy code: G) Altitude 192 m Area position

Updated 20th October 2016; 20th September 2022

This very large depression has a small watercourse and a 2 m high cave entrance in limestone. A tight squeeze leads down to a flat out bedding that ends in a small chamber with a mud and boulder floor. "Should be dug." A fresh, nearby collapse has been noticed as site 4453 .

Reference: anon., 2005b (Easter \& summer); Reference: anon., 2005b (Easte
anon., 2016c (summer logbook) Entrance pictures: 2005 : Easter 2016 Underground picture(s): August 2022 Video:
Detailed Survey Line survey On area surv
Survex file:
x
2180: Well Dressing Hole Cobadal 30T 4474934798259 (Datum: ETRS89 Accuracy code: G) Altitude 216 m Length $2 m$ Area position

A small spring with a man-made well and water pipe leading off. A narrow rift in sandstone alongside the well is 2 m long and becomes too narrow.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b
Entrance pictures: yes Underground picture(s):
Video:
Detailed Survey
Line survey:
Line survey:
On area survey:
Survex file:

X
2181: collapse Cobadal 30T 4476784798252 (Datum: ETRS89.

## 2184: sink

 Cobadal 30T 4477404798312 (Datum: ETRS89 Accuracy codeArea position

The sink in boulders for the water emerging from Woodcutters' Cave, site 2183.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: Underground picture(s):

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Underground pict
ideo:
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Letailed Surv On area surve Survex file:
x
2185: Double Horse Trough

## Rising

Cobadal 30T 4479554798316 (Datum: ETRS89 Accuracy code: G) Altitude 160 m Length 130 m Area position

Updated 24th April, 10th May 2013
"A small amount of water flows out past the door in the cave entrance. Walking sized passage quickly leads to crawling. Some digging out of cobbles leads, after 10 m of crawling, to wallowing in mud banks and a right hand bend. The passage continues."

The cave was pushed at Easter 2013. The first 15 m or so are flat out in water with an excavated section through to a cross rift where it is possible to stand up. More digging, following the stream, allowed the explorers to break out into a calcited, sharply-noduled passage. This continues for about 50 m to a large aven passing two calcite squeezes. At the aven, the stream does a U-turn and continues past another aven and a further squeeze. The draught here is howling out. Eventually a point is reached which needs some work with a lump hammer to progress. A small person may be able to progress but neoprene is recommended. The draught is really good but it seems unlikely that the cave will break into anything significant.

It may be that one of the upstream end feeders comes from the water that sinks outside the entrance to the Woodcutters' Cave resurgence.

Reference: anon., 2005b (Easter \& summer) anon., 2013b (Easter logbook)
anor., 2013b (Easter log
Entrance pictures: yes
Underground pictures: yes
Video: exploration (YouTube)
Detailed Survey : pdf Easter 2013 Line survey: On area survey Survex file: yes (Amended magnetic declination December 2013 to align with Eur79 grid and
 X
2186: cave
La Gatuna 30T 4496834799128 (Datum: ETRS89. Accuracy code: G) Altitude 182 m Length 6 m Depth 4 m
Area position

## Area position

The entrance lies above the track in trees and is a 4 m climb down in a choked rift.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Entrance pictures: yes
Video:
Video:
Detailed Survey
Detailed Sur
On area survey:
Survex file:

X
2187: dia
La Gatuna 30T 4496374799131 (Datum: ETRS89. La Gatuna
Accuracy code: G) Altitude 181 m Area position

A choked, deep shakehole with a cool A choked
draught.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: Underground picture(s): Detailed Survey: Line survey: On area surve Survex file:

X
2188: dig
La Gatuna 30T 4496344799105 (Datum: ETRS89. Accuracy code: G) Altitude 190 m

A long depression with a hole in the floor which has a slight draught.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: Entrance pictures

## Video:

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\begin{array} { l } { \text { Line survey } } \\ { \text { On area su} } \end{array}

2189: shaft
La Gatuna 30T 4495804798985 (Datum: ETRS89 Accuracy code: G) Altitude 237 m
Length 15 m Depth 10 m
Area position
Updated 14th October 2005
An interesting-looking wide shaft at the base of a steep-sided depression., although all routes to it from the valley below are very vegetated. A 6 m pitch land on boulders which slope down to a wall in a 6-7m diameter chamber. On the left, a stoop over boulders leads down to a choke at a final depth of about 10 m

Reference: anon., 2005b (Easter \& summer); Corrin Juan, 2006a Entrance pictures: when found exploration Underground picture(s): yes
Vide: Video:
Detailed Survey Line survey: On area sur
Survex file: Survex file:

\section*{2190: shafts}

La Gatuna 30T 4497264798953 (Datum: ETRS89 Accuracy code: G) Altitude 217 m
Length 15 m Depth 5 m
Area position
A set of narrow shafts, all in limestone
capped with sandstone. The right hand shaft is a walk-down rift to a very narrow 5 m deep drop. The middle hole has a small pitch. The left hand slot has a 5 m undescended pitch that appears blind.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey Line survey:
On area survey Survex file

2191: dig
La Gatuna 30T 4498794798975 (Datum: ETRS89 Accuracy code: G) Altitude 190 m Accuracy code
Area position

A limestone face above the track has a dig at the base.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Video:
Detailed Survey
Line survey
On area survey

2192: dig
Seldesuto 30T 4498194793551 (Datum: ETRS89 Accuracy code: G) Altitude 648 m

A hole in the bottom of a small hollow with a possible draught. The site slopes off for about 2 m .

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s)
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Video:

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Detailed Survey
Line survey:
On area su
Survex file
Sur
```

Area position

```

A small rift is orientated SE-NW approximately 1 m wide and 2.5 m long. A 10 m descent leads to a rocky floor.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s)

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Underground picture(s) Video: Detailed Survey Line survey On area surve
Survex file:
X

2195: shaft
S Vega 30T 4500734793656 (Datum: ETRS89. Accuracy code: G) Altitude 672 m Length 7 m Depth 3 m Area position

A 4 m long rift which is 3 m deep. The small surface hole at the NE end is site 2196.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b (Easter \& summ
Entrance pictures: yes with site 2196 Underground picture(s): Video:
Detailed Survey : Line survey:
On area survey
Survex file:
X
2196: shaft
S Vega 30T 4500744793658 (Datum: ETRS89 Accuracy code: G) Altitude 672 m Length 4 m Depth 4 m Area position

A small, 4 m deep hole at the end of the rift site 2195. A sheep skeleton lies at the base

Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b (Easter \& summ
Entrance pictures: yes with site 2195 Underground picture(s):
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Video:

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Detailed Survey
Line survey:
On area survey:
Survex file:
X
2197: shaft
S Vega 30T 4500624793758 (Datum: ETRS89
Accuracy code: G) Altitude 656 m
Length 3 m Depth 3 m
Area position

A 1 m diameter hole drops 3 m to a stream.
```

Reference: anon., 2005b (Easter \& summer)
Reference: anon., 2005b (
Video:
Detailed Surve
Line survey:
On area survey:
Survex file:
X
2198: shaft
\mathrm{ 2198: Shaft }
S Vega 30T 450055 4793749 (Datu
Length 2m Depth 2m
Area position
A slot drops 2m to a stream.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underg
Detailed Survey :
Line survey
On area survey:
Survex file:
x
2199: shaft
S199: Shaft
S Vega 30T 4500614793752 (Dat
Accuracy code
A 2.5 x 1.5m hole drops to a stream at the
western end

```
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Entrance pictures: yes
Underground picture(s
Video:
Video:
Detailed Survey
Line survey:
On area survey:
Survex file:
x
2200: shaft
S Vega 30T 450067 4793735 (Datum: ETRS89.
Accuracy code: G) Altitude 660 m
Length 5 m Depth 5 m
Area position

A \(5 m\) deep hole (containing a dead sheep) near a stream sink.
```

Reference: anon., 2005b (Easter \& summer)

```
Entrance pictures: yes
Underground picture(s):
Underground pictu
Video:
Detailed Survey :
Detailed Surve
Line survey:
Line survey:
On area surve
Survex file:
X
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2201: shaft
Video:
Detailed Survey :
Line survey
On area survey
Survex file:
2202: shaft
S Vega 30T 4500284793796 (Datum: ETRS89.
Accuracy code: G) Altitude 642 m
Length 13 m Depth 10 m
Area position

A 1 m high slot just below the path drops 13 m on a 60 deg slope in a westerly direction to end under drips.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s) Underground picture(s)
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Video:

```
Detailed Surve
Line survey:
On area survey
Survex file:
Sur

\section*{x}
2203: holes
S Vega 30T 4504244794010 (Datum: ETRS89
Accuracy code: G) Altitude 617 m

A 3m deep, undescended shaft
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey
Line survey
On area survey
Survex file:
2206: shaft
S Vega 30T 4502794793768 (Datum: ETRS89
Accuracy code: G) Altitude 681 m
Length 2 m Depth 2 m
Area position
A 2 m deep rift.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s)
Video:
Video:
Detailed Survey
Line surve
On area survey
Survex file:

\section*{2207: dia}

Arredondo 30T 4502524793719 (Datum: ETRS89 Accuracy code: G) Altitude 683 m Accuracy code
Area position

A hole in a depression that goes 1 m to the left to a possible dig

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Underground picture(s) Underground picture(s): Video: Detailed Survey
Line survey: Line survey: On area surv
Survex file:

X
2208: shaft
Arredondo 30T 4499744793529 (Datum: ETRS89 Accuracy code: G) Altitude 670 m Length 12 m Depth 10 m Area position

A \(1 \times 1.5 \mathrm{~m}\) hole that is about 10 m deep. Probably unexplored?
```

Reference: anon., 2005b (Easter \& summer)

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Reference: anon., 2005
Underground picture(s):
Video:
Detailed Survey
Line survey:
On area surve
Survex file
X
2209: shafts
Arredondo 30T 4499764793526 (Datum: ETRS89
Accuracy code: G) Altitude 670 m
Area position
Several unexplored holes that may connect.
Reference: anon., 2005b (Easter \& summer)
Reference: anon., 2005b (
Entrance pictures: yes
Underground picture(s):
Underg:
Detailed Surve
Line survey:
On area surve
On area survey:
Survex file:
x
2210: shaft
2210: Shaft
Arredondo 30T 4498944793473 (
Accuracy code: G) Altitude 667 m
Length 2 m Depth 2 m
Area position
Updated 14th October 2005
A 30cm diameter hole, 2 m deep. This may
be the same as site 2159.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s):
Video:
Detailed Survey :
Detailed Sur
On area survey
Survex file:

2211: No Binaria, Torca (LC229) Cierrolinos

A dig (2 blocks) noted by La Cambera and bout 15 m from site 5014. Position to come.
Reference: anon., 2022e (Christmas logbook) Entrance pictures : Underground pictures Line Survey: On area survey : Survex file :
X
2212: dig
La Gatuna 30T 4498304799335 (Datum: ETRS89. La Gatuna 30T 4498304799335 (
Accuracy code: G) Altitude 155 m Accuracy cod
Area position

The entrance is below a track junction, where the path is collapsing. The site is the where the path is collapsing. The site is the
right hand of two holes under a cliff and is right hand of two holes under a cliff an
an easy dig which draughts out when an easy dig which draughts out when
external air temperature is \(21 C\). The other external air temperature is 21 C . The other hole to the left is site 2224.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes Underground picture(s): Video:
Detailed Survey One survey: Survex file: X

\section*{2213: diq}

La Gatuna 30T 4497914799190 (Datum: ETRS89. Accuracy code: G) Altitude 162 m
Area position

The original description has this hole as being the last in a line of holes running south, and under a boulder bridge next to a 3 m rock face. The description from the following day has the site as an undescended \(10 \mathrm{~m}+\) shaft in the corner of the scar on the south side, about 6 m above site 2225.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b
Entrance pictures: ys
Underground picture(s): Video:
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Detailed Surv
Line survey:

\section*{2216: holes}

La Gatuna 30T 4498504799194 (Datum: ETRS89 Accuracy code: G) Altitude 180 m

\section*{Accuracy cod
Area position}

A complex of holes at the base of limestone lumps. The passage may continue.

Reference: anon., 2005b (Easter \& summer) Reference: anon.,
Entrance pictures:
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Underground picture(s

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

2217: cave
La Gatuna 30T 4498274799139 (Datum: ETRS89. Accuracy code: G) Altitude 180 m

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey
Line surve
On area survey
Survex file:
2218: cave
La Gatuna 30T 4498384799114 (Datum: ETRS89
La Gatuna 30T 4498384799114
Accuracy code: G) Altitude 192 m
Area position

A possible cave in the northern shakehole of two. The site needs vegetation removing to investigate.

Reference: anon., 2005b (Easter \& summer) Entrance pictures Underground picture(s)
Video:
Detailed Survey
Line survey:
Line survey:
On area survey
On area surv
Survex file:
x
2219: dig
La Gatuna 30T 4498614798964 (Datum: ETRS89
Accuracy code: G) Altitude 187 m
Accuracy con
Area positior

A dig in a shakehole with large sandstone slabs. It is possible to see down about 4 m in intersecting rifts.

Reference: anon., 2005b (Easter \& summer)

A deep shakehole that has a choked cave at the base and a 4 m deep choked rift on the northern wall.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s) Video:
Detailed Survey Oine survey: Survex file:
x

\section*{2221: shaft}

La Gatuna 30T 4498814799147 (Datum: ETRS89. Accuracy code: G) Altitude 198 m Depth 5m

A large rift with a limestone wall. The site could be 5 m deep but fallen trees and vegetation prevent easy exploration.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video: vegetation-
Detailed Survey : Detailed Sury: On area surve Survex file:

X
2222: cave
La Gatuna 30T 449839 4799356 (Datum: ETRS89. Accuracy code: G) Altitude 160 m Length 12 m Area position

Updated 13th June, 14th October 2005
A low bedding descends gently for about 7 m and turns to the right where it becomes smaller. The good draught comes from between rocks in the floor at the end which have been excavated. This leads to a small chamber with a draught through a calcite hole which has been dug to an "underwhelming" conclusion. Back near the "underwhelming" conclusion. Back near entrance, a crawl up to the left enters a draughting bouldery section which could be dug. Debris can be thrown down to this point from the nearby site 2215.

Reference: anon., 2005b (Easter \& summer);
anon., 2005d (Whit logbook); Corrin Juan, 2006a anon., 2005d (Whit logbo
Entrance pictures: yes
Underground picture(s Underground picture(s): yes
Video: by Juan Corrin with Pete Eagan and Ali Neill Detailed Survey : Line survey: On area surve
Survex file:

X
2223: cave
La Gatuna 30T 4497214799780 (Datum: ETRS89. Accuracy code: G) Altitude 154m Accuracy code: G) Altitud
Length 130 m Depth 9 m Length 130 m
Area position

Updated 15th October 2005
A draughting rift in a limestone scar lies in a wooded depression behind a house. At the base of the free-climbable 4 m entrance drop are various items of rubbish including udder wash containers. The passage leads to a tall rift chamber with holes in the floor between boulders. Blocks were removed at the top of a climb up to going cave. A side passage on the left is passed before crawling is required, then passing a pit on the left (which has a narrow, choked slot at the base). Some 45 m from the entrance this passage ends at the base of a run-in which does not look promising. This point is about 8 m horizontally and 5 m vertically away from a point to the south in Cubio de La Gatuna. (The whole of this cave appears to have developed on a beds 5 m higher than the Cubio, but this could be a surveying error). Cubio, but this could be a surveying err
The side passage can be followed to a The side passage can be followed to a junction where passage to the right rejoins the main passage. At the next junction, the right hand route leads through a mixture of stooping and crawling on sand with some nice scallops to two doglegs. Beyond, a rocl blockage in a narrowing crawl prevents further progress. The passage can be seen
getting smaller uphill for about 6 m . getting smaller uphill for about 6 m . Back at the junction, the northern route leads to a pit in the floor and a choke. A dig just back from here on the western side of the passage requires the removal of a rib of rock in the floor.
At the base of the entrance climb there are a series of narrow rifts under the wall that become too tight.

Reference: anon., 2005b (Easter \& summer);
Corrin Juan, 2006a (survey) slight draught.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes

\section*{2228: dig}

La Gatuna 30T 4496244799235 (Datum: ETRS89 Accuracy code: G) Altitude 138 m
Area position

\section*{Area positior}

A shallow depression in a eucalyptus wood has a strong outward draught. Some sandstone boulders have been removed to reveal possible limestone bedrock.

\section*{2229: diq}

La Gatuna 30T 4496104799112 (Datum: ETRS89. Accuracy code: G) Altitude 189 m
Area position Area position

A small hole in the wood with a very good draught when the outside temperature is 18C.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Entrance pictures: yes
Underground picture(s): Video:
Detailed Survey Line survey: On area surve
Survex file:
x
2230: diq
La Gatuna 30T 4496604799155 (Datum: ETRS89. Accuracy code: G) Altitude 170 m
Area position

This is a small hole below the track that drops into a 1 m deep rift with no draught. The hole would dig but is a "poor site". Site 2230a is described as "a draughting hole in foot of large depression". Both holes currently have the same GPS.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes
Underground picture(s): Underg
```

Detailed s

$$
\begin{aligned}
& \text { Detailed Surve } \\
& \text { Line survey: }
\end{aligned}
$$

```
On area survey:
Survex file:
x
2231: diq
La Gatuna 30T 4498134799442 (Datum: ETRS89. La Gatuna 30T 4498134799442 (
Accuracy code: G) Altitude 150 m Accuracy code
Area position

Updated 13th June 2005 A rift above the track that could be opened
with minimal work. There is a possible dig with minimal work. There is a possible dig below the track.
Later in 2005 the block in the entrance was removed and the site linked to a bottom entrance. A dig requires hotter weather for detecting the draught.

Reference: anon., 2005b (Easter \& summer);
Reference: anon., 2005b (E
anon., 2005d (Whit logbook)
Entrance pictures: yes
Underground picture(s):
Video:
Detailed Survey On area surve Survex file:
x
2232: shaft
Arredondo 30T 4503434793732 (Datum: ETRS89 Accuracy code: G) Altitude 676 m
Depth 5 m Depth 5 Area position

An undescended 5 m shaft.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Entrance pictures: yes
Underground picture(s): Video:
Detailed Survey
Line survey: Line survey: Survex file:

X
2233: shaft
S Vega 30T 4500364793731 (Datum: ETRS89. Accuracy code: G) Altitude 657 m
Depth 4 m
Depth 4 m
Area position
An undescended 4 m shaft that looks choked at the base.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey
Line survey: Line survey On area surve
Survex file:

X
2234: cave
S Vega 30T 4505474794577 (Datum: ETRS89 Accuracy code: G) Altitude 490 m Length 3 m Area position

A choked "half-tube" behind Cueva Serruco, visible from the track. There is a tiny hole at the back.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video: approaching the entrance
Detailed Survey: MATIENZO UNDE

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\section*{Line survey
On area}
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
X
2236: shaft
La Gatuna 30T 4495804800042 (Datum: ETRS89,
La Gatuna 30T 4495804800042 (
Accuracy code: G) Altitude 144 m
Length 10 m Depth 10 m
Area position
Updated 14th October 2011
An undescended fenced rift, up to 10 m
deep. This was "checked" in 2011 and has
bags of dead animals blocking a possible
bags of
way on.
Reference: anon., 2005b (Easter \& summer);
anor., 201 d (summer logbook
Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey
Line surve)
On area survey
Survex file:
2237: shaft
La Gatuna 30T 4498694799341 (Datum: ETRS89
La Gatuna 30T 4498694799341
Accuracy code: G) Altitude 177 m
Accuracy co
Depth 8 m
Depth 8 m
Area position

An slightly draughting, open hole in an old forestry track, covered by a large sandstone forestry track, covered by a large sandstone slab. An undescended \(2 m\) vertical di
to two eyeholes where the depth is to two eyeholes
estimated at 6 m

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s)
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Video

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Line survey:
On area survey
On area sur
Survex file:
x
2238: cave
La Gatuna 30T 4500334800124 (Datum: ETRS8
Accuracy code: G) Altitude 212 m
Length 5 m
Area position

An obvious cave entrance when seen dowr in the valley, but the site is only a 5 m long crawl to a small hole at the rear of the cave

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s Underground picture(s)
On area sur
Survex file:

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: Irance pictures: Underground picture(s):
Video: entrances - sites 2239 and 2240 Video: entrances -
Detailed Survey : Detailed Su On area surve
Survex file:
Survex file
X
2240: shaft
La Gatuna 30T 4500064800056 (Datum: ETRS89. Accuracy code: G) Altitude 218 m Length 5 m Depth 3 m Area position

Updated 15th October 2005
Blocks conceal a hole with a 3 m drop over a large block to a 15 cm tight rift in limestone running across the hole that closes down.

Reference: anon., 2005b (Easter \& summer) Reference: anon.,
Entrance pictures: yes
y Underground picture(s) Video: entrances - sites 2239 and 2240 Detailed Survey Line survey: On area survey: Survex file X
2241: cave
El Suto 30T 450262 4800672 (Datum: ETRS89 Accuracy code: G) Altitude 125 m

\section*{Accuracy cod
Length 8 m}

Area position
Updated 14th May, 14th October 2011
A prominent resurgence in the small hamlet of El Suto between the northern end of La Gatuna and Riaño. About 40 m from the Gatuna and Riano. About 40 m from the road, water resurges on and under thick sandstone beds. A 8 m crawl finishes a complete choke with water dribbling through.

Reference: anon., 2005b (Easter \& summer)
anon., 2011b (Easter logbook
Entrance pictures: yes
Underground picture(s):
Video: walk to the entrance
Video: walk to the
Detailed Survey :
Line survey:
On area surve
Survex file:
x
2242: dig
La Gatuna 30T 449584799138 (Datum: ETRS89 La Gatuna 30T 4495814799138
Accuracy code: G) Altitude 183 m Accuracy code
Area position

A hole on the side of a large hollow takes a stick for 1.5 m .

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes Underground picture(s):
Video:
Detailed Survey
Line survey:
On area surve
Survex file:
x
2243: dig
La Gatuna 30T 4495774799217 (Datum: ETRS89. La Gatuna 30 T 4495774799217 (
Accuracy code: G) Altitude 150 m
Area position

A slot beneath a rock outcrop.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey Line survey On area surv
Survex file: Survex fil

X
2244: dig
La Gatuna 30T 4496474799105 (Datum: ETRS89. Accuracy code: G) Altitude 190 m
Area position

A small draughting hole above the lowest point in a large depression that has been excavated.

Reference: anon., 2005b (Easter \& summer) Reference: anon.,
Entrance pictures: ys
Underground picture(s):
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Video:

```
```

Detailed

```
Detailed Surve
Line survey:
On area surve
On area survey:
Survex file:
x
2245: cave
2245: cave
La Gatuna 30T 4496504800406 (
Accuracy code: G) Altitude 130 m
Accuracy 50
Length 5 m
Area position

A mud-floored through cave in a shakehole.
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Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes Entrance pictures: yes
Underground picture(s)
"A rift system in the base of a rubbish tip. The rift is some 60 cm wide with a possible sink / dig in the floor. This needs a look at in warmer weather when it may draught."

The cave was opened up in the summer 2011 by removing boulders and rubbish. Entry was gained to a descending route between boulders and bags of rubbish with a 4 m roped climb to boulder slopes and a streamway. Left (upstream) was dry during the first explorations and downstream was investigated for about 100 m

The unstable boulder slopes were stabilised on the second trip in. Downstream was surveyed becoming hard going because the muddy squalor increases. Inlets were also surveyed. About 190 m from cave entrance downstream surveying stopped at a junction with a draughting inlet / dry passage and low slot on the mud floor. (The inlet will require a crowbar to release sandstone rocks blocking the way on and maybe a capping kit to widen the snug parts.) The dry passage has been pushed for about 60 m passing another drafting ascending inlet with a small stream issuing from narrow side alcove. At the end of the passage (hands and knees crawl on sandy floor) the way on is plugged with mud and a low continuation on the \(\mathrm{r} / \mathrm{h}\) wall is again plugged with mud - there is no draught. The low slot on the floor is a wet flat-out bedding with a shingle floor. Water can be heard gathering pace in the distance suggesting the passage gets taller? A good
draught is felt from this area. Near the end of the summer expedition, downstream was pushed into high and low levels.

The upstream passage from the base of the entrance boulder slopes needs a descriptio and, after the survey is complete, a better description for the whole cave.

A report from Simon Cornhill (with Diane Arthurs), December 2019, confirmed the difficulty of extending the cave
The two through bolts on the ladder pitch were unusable but a nearby large natural was an adequate belay. The lead nat the furthest downstream limit is too tight. I'm not sure if digging the floor would do it, capping is probably needed to make any progress here, as for 'water could be heard gathering pace in the distance suggesting the passage gets taller?' maybe it was drier today but we didn't get that impression. There was very little air movement in this area today and with the heavily mud coated walls to around 2 m above stream level and lack of footprints it seems that the water backs up to a reasonably high level. We also checked the high level passages at the downstream end. There are no leads apart from long term looking digs and no draught to speak of either.
The inlet on the left that goes into a modest chamber appears to have also been well explored, leaving very little hope for this cave to grow in size. However, we didn't cave to grow in size. However, we didn't
really find out where the draught went tha really find out where the draught went that part way along the streamway by a tiny part
inlet.
What on earth inspired us both to go back What on earth inspired us both to go back
down this sweaty shithole I'll never know!

Reference: anon., 2005b (Easter \& summer);
anon., 2011d (summer logbook); anon., anon., anon., 2011d (summer logh
2018e (Christmas logbook)
2018e (Christmas logbo
Entrance pictures: ye
Entrance pictures: yes
Underground picture(s)
Underground picture(s): yes
Video: Compilation of some of the 2011 photos 6 m pitch down to streamway (?)
Detailed Survey : in preparation

A hole in the side of an elongated depression with a 1 m rock face above. A be a long dig.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Video:
\[
\begin{aligned}
& \text { Detailed Survey : } \\
& \text { Line survey: }
\end{aligned}
\]
\[
\begin{aligned}
& \text { One survey: } \\
& \text { On arey }
\end{aligned}
\]
Survex file:

X
2248: diq
La Gatuna 30T 4501134799900 (Datum: ETRS89. La Gatuna 30T 4501134799900 (
Accuracy code: G) Altitude 217 m Accuracy code
Area position

This site is 8 m to the north of site 2247 . A 2 m deep hole with a possible draught.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video: Detailed Survey Line survey:
On area survey.
Survex file:
X
2249: dig
La Gatuna 30T 4500264799789 (Datum: ETRS89. Accuracy code: G) Altitude 220 m
Area position
A small, possibly draughting hole just below the top, eastern edge of a wooded shakehole. A poor site. Twelve metres to the north is a rift at the same level which appears to be a slip feature

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s) Video:
Detailed Survey Line survey On area surve
Survex file:

X
2250: dig
La Gatuna 30T 4499454799379 (Datum: ETRS89. Accuracy code: G) Altitude 217 m
Area position
Near to where the shaft site 402 should be. A bush below the track has a 2 m incline down to a vertical dig where a small person is needed.

Reference: anon., 2005b (Easter \& summer)
Reference: anon., 2005b
Entrance pictures: yes
Entrance pictures: yes
Underground picture(s): yes
Video:
Detailed Survey Line survey: On area survey
Survex file:

2251: dig
La Gatuna 30T 4499954799718 (Datum: ETRS89. Accuracy code: G) Altitude 215 m Accuracy cod
Length 10 m

\section*{Updated 15th October 2005}

A draughting site with a tinned roof at the north end of a grassy depression. Two north end of a grassy depression. Two
blocks at the entrance have been removed blocks at the entrance have been removed
to allow entry into a 8.5 m by 4 m chamber, to allow entry into a 8.5 m by 4 m chamber, 1.5 high. There are lots of cow heads on floor - it is clear the south wall was open and used as a dump! A dig on the south sid has a small draught out but will need a major excavation due to loose fill.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey Line survey: Survex file:
track.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes

Detailed Survey
Line survey:
Survex file:

\section*{x}

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2253: shaft

A small, unexplored hole in a rift line, covered with planks.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: Underground picture(s)
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Underground pi
Video:

```
Detailed Survey
Line survey:
On area survey
Survex file:
X
2254: dig
Seldesuto 30T 4498284794291 (Datum: ETRS89
Seldesuto 30T 4498284794291 (D
Accuracy code: M) Altitude 460 m
Area position

A draughting dig in a rift on the side of a shakehole.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s)

A hole choked by two blocks
Reference: anon., 2005b (Easter \& summer
Video:
Detailed Survey
Line surve
On area survey
Survex file:

\section*{2257: cave}

\section*{A hole under a block.}

Reference: anon., 2005b (Easter \& summer) Entrance pictures
Video:
Video
Detail
Line survey:
On area survey
Survex file:

2258: shaf
S Vega 30T 450028 4794281 (Datum: ETRS89 Accuracy code: M) Altitude 472 m

A hole at the edge of the wood which possibly continues.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures Entrance pictures: yes Underground picture(s)
Video:
Detailed Survey Line survey: On area sur:
Survex file: Sur

A small cave, probably choked.
Reference: anon., 2005b (Easter \& summer) Entrance pictures.

\section*{On area surv}

\section*{x}

\section*{x}

2260: shaft
S Vega 30T 450478 4794721 (Datum: ETRS89.
Accuracy code: G) Altitude 489 m Accuracy code: G) Altitude 489 m
Length 4 m Depth 4 m Length 4 m Depth 4 m Area position

Updated 22nd May 2017
An undescended shaft below Torca de Serruco was finally descended at Easter 2017 and found to be choked 4 m down.

Reference: anon., 2005b (Easter \& summer);
Reference: anon., 2005b (East
anon., 2017 b (Easter logbook)
Entrance pictures:
Underground picture(s): Video:
Detailed Survey Line survey: Survex file:

\section*{x

\section*{x

\section*{x \\ 2261: dig}

Alisas 30 T 4466664794719 (Datum: ETRS89. Alisas 30 T 4466664794719 (Datur
Accuracy code: G) Altitude 694 m
Area position

A \(3 \times 1 \mathrm{~m}\) entrance in the track. After 2 m there is a strongly draughting, unstable drop down which needs digging.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b
Entrance pictures: yes
Underground picture(s): Underg
Video:
Detailed Survey :
Line survey:
On area surve
Survex file:
x
2262: diq
Alisas 30T 4466414794714 (Datum: ETRS89. Accuracy code: G) Altitude 695m Accuracy code
Areasition

An entrance in a field which needs digging out.

Reference: anon., 2005b (Easter \& summer) Entrance pictures:
```

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

```
Survex file:
X
2263: shaft
Alisas 30T 4460334794802 (Datum: ETRS89
Alisas 30 T 4460334794802 (Datu
Accuracy code: G) Altitude 637 m
Accuracy cod
Depth 30 m
Area position

Updated 15th October 2005
An unexplored, 2 m diameter, walled shaft. It draughts out on a cold day and is possibly It draughts out on a cold day and is possibly
\(25-30 \mathrm{~m}\) deep. There is a bolt 2 m down but the shaft has not been bottomed. Marked CA8 with square and cross.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s

\section*{Video:}

Detailed Surv
On area surve
Survex file:

\section*{x}

\section*{2264: shaft}

Alisas 30T 4459354794814 (Datum: ETRS89. Accuracy code: G) Altitude 632 m Length 206 m Depth 138 m

\section*{Area position}

Updated 15th October 2005; 9th January, 20th May , 7th October 2006

The entrance is marked CA4 with square and cross and the original explorers appear to have dropped at least two pitches (p18 and p14) to the head of another drop in the western arm of a 2 m wide rift. The eastern side of the rift is draughting. Here there are 12 and 10 m pitches.
In the summer of 2006, two trips appeared to "finish" the hole. To the west 36 m and 42 m ropes were used to explore pitches of \(14,12,5,13\) and 8 m to obtain the previously reached level. From here, an undescended 12 m pitch was dropped and found to be blind. Higher up the shaft, a traverse out to the Higher up the shaft, a traverse out t
east enabled a blind 8 m pitch to be east enab
explored.

References: anon., 2005b (Easter \& summer); Corrin Juan, 2006a; anon., 2006b (Easter logbook); anon., 2006d (summer 2006); Corrin Juan, 2007;
León García José, 2010 (Volume 1 and Volume 2) (survey and photo)
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```

Entrance pictures: yes
Underground picture: yes

``` excavating.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 20051
Entrance pictures: yes Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
x
2267: shaf
Alisas 30T 4457644794809 (Datum: ETRS89.
Alisas 30 T 4457644794809 (Datu
Accuracy code: G) Altitude 650 m
Accuracy co
Depth 5 m
Area position
An unexplored 4-5m deep shaft marked
with a red dot.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey
Line survey
On area survey
Survex file
2268: shaft
Alisas 30T 4457384794834 (Datum: ETRS89.
Alisas \(30 T 4457384794834\) (Datı
Accuracy code: G) Altitude 635 m
Accuracy code: G) Altitud
Length 14 m Depth 14 m
Area position
Updated 15th October 2005

A 14 m deep shaft, covered with blocks, which ends at a choke of rocks and bones.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: ye
Underground picture: yes
Video:
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
2269: shaf
Alisas 30 T 4455074794697 (Datum: ETRS89
Accuracy code: G) Altitude 642 m
Length 5 m Depth 5 m
Area position
Updated 27th May 2019
A \(5 \mathrm{~m}+\) scramble down in a draughting hole
that continues. Much more vegetation was
noted in April 2019.
Reference: anon., 2005b (Easter \& summer);
anon., 2019b (Easter logbook)
Entrance pictures: y
Underground picture(s)
Video:
Detailed Surve
Line survey:
On area sur
Survex file:
X

A \(1.5 \times 0.5 \mathrm{~m}\) entrance goes in about 15 m to a climb down to the head of a short drop into a choked chamber. Marked CA11 with a square and line

Reference: anon., 2005b (Easter \& summer) Corrin Juan, 2006a Entrance pictures: Underground picture(s): yes Video:
```

Detailed S

``` Line survey: On area survey: Survex file: yes (Amended magnetic declinatior Survex file: yes (Amended magnetic declina
December 2013 to align with Eur79 grid and December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.) X
2271: shafts
Alisas 30T 4453624794634 (Datum: ETRS89 Accuracy code: G) Altitude 648m Area position

These holes, which surround a stream sink, are outside the current permit area.
```

Reference: anon., 2005b (Easter \& summer)

```
Reference: anon., 2005b
Entrance pictures: yes
Underground picture(s):
Video:
Detailed
Detailed Surve
Line survey:
On area survey:
Survex file:
X
2272: shaft
Alisas 30T 4453214794630 (Datum: ETRS89
Accuracy code: G) Altitude 654 m
Accuracy cod
Area position
A unexplored \(10-15 \mathrm{~m}\) deep shaft which is
out of the current permit area.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s):
Underg
Detailed Survey :
Line survey:
On area survey:
Survex file:
x
2273: dig
Alisas 30T 4454844794730 (Datum: ETRS89
Alisas 30T 4454844794730 (Datu
Accuracy code: G) Altitude 627 m
Accuracy code
Area position

A diggable stream sink.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s)
```

Video:

```
Detailed Surve
On area surve
Survex file:
X
2274: shaft
Alisas 30T 4455984794885 (Datum: ETRS89
Accuracy code: G) Altitude 636 m
Accuracy code: G) Alt
Length 6 m D
Area position

Updated 16th October 2005
A 2 m diameter shaft where a 3 m climb down enters a chamber with a too-small rift with bones visible beyond.
```

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s):
Video:
Detailed Survey
Line survey:
Survex file:
X
2275: shaft
Alisas 30T 445862 4794895 (Datum: ETRS89
Accuracy code: G) Altitude 604m
Depth 3m
Area position
An unexplored 3 m drop into possible passage.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underg
Video: Detailed Survey Line survey On area surv
Survex file:
X
2276: shaft
Alisas 30T 4458784794919 (Datum: ETRS89. Accuracy code: G) Altitude 594m Length 6 m Area position
An unexplored 6 m long rift which looks choked.

```

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Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes

\section*{2277: shaft}

Alisas 30 T 4459054794841 (Datum: ETRS89 Accuracy code: G) Altitude 615 m Depth 20 m
Area positio

An unexplored shaft that could be 20 m deep. Marked CA7 with a square and cross

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Video:
Detailed Survey
Line survey:
On area survey
On area sur
Survex file:
X
2279: shaf
Alisas 30 T 4461484794962 (Datum: ETRS89
Accuracy code: G) Altitude 606 m
Accuracy co
Depth 15 m
Area position
A small hole covered by rocks that may be
between \(10-15 \mathrm{~m}\) deep
Reference: anon., 2005b (Easter \& summer)
Reference: anon., 2005b
Entrance pictures: yes
Underground picture(s)
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
2280: shaft
Alisas 30T 4462414794909 (Datum: ETRS89
Alisas 30T 4462414794909 (Dat
Accuracy co
Depth 15 m
Area position
A hole covered by rocks that may be
between \(10-15 \mathrm{~m}\) deep.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures
Underground picture(s)
Video:
Detailed Survey
Line survey
On area surv
Survex file
2281: holes
Alisas 30 T 4463654794940 (Datum: ETRS89
Alisas 30744636547940 ( Accuracy code: G) Altitude 618 m
Area position

Two unexplored shallow holes in a depression.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures:
Entrance pictures
Underground picture(s)
Underground pict
Video:
Detailed Survey :
Letailed Sur
On area survey
Survex file:

\section*{2282: shaf}

Alisas 30T 4464044794930 (Datum: ETRS89 \begin{tabular}{l} 
Accuracy code: G) Altitude 625 m \\
\hline
\end{tabular}
Depth 5m
An unexplored shaft, possibly 5 m deep.
Reference: anon., 2005b (Easter \& summer) Entrance pictures Entrance pictures:
Underground picture(s

\section*{2283: shat}

\section*{Area position}

A \(4 \times 1 \mathrm{~m}\) entrance covered with rocks concealing an unexplored shaft, possibly 5 m deep.

\section*{Reference: anon., 2005b (Easter \& summer)} Entrance pictures: yes
Underground picture(
```

Underground picture(s)

```
Video:
Detailed Survey
Detailed Sur
On area surve
Survex file:
x
2284: dig
Alisas 30T 4465464794994 (Datum: ETRS89
Alisas 30 T 4465464794994 (Datu
Accuracy code: G) Altitude 617 m
Area position
A draughting dig in a depression
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: yes
Underground picture(s):
Video:
Detailed Survey
Line survey
On area surv
Survex file:
X
2285: shaft
Riaño 30T 4505484798991 (Datum: ETRS89
Accuracy code: M) Altitude 364 m
Depth 4 m
Depth 4 m
Area position

An undescended, 3 to 4 m deep rift filled with rubbish that lies 5 m northeast of the road at the col near sites 1365 to 1371.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures:
Entrance pictures:
Video:
Video:
Detailed Survey
Line survey:
On area survey:
On area sur
Survex file:
X
2286: shaft
La Colina 30T 4537484796922 (Datum: ETRS89
Accuracy code: G) Altitude 551 m
Accuracy code: G) Altituc
Length 32 m Depth 12 m
Length 32 m
Area position

Updated 16th October 2005; 4th November 2021

A 12 m roomy shaft drops down a pronounced rift. At the bottom, a duck under the northern wall leads to a drop under the northern wall leads to a drop
down to a hands and knees crawl over down to a hands and knees crawl over
crystal pools. After about 8 m this ends at a crystal pools. After about 8 mt
calcited run-in which may dig.
Calcited \(\begin{aligned} & \text { On } \\ & \text { On }\end{aligned}\) in which 1st, 2021, a hunting dog On November 1st, 2021, a hunting dog
was rescued almost unharmed from the was rescued almo

Reference: anon., 2005b (Easter \& summer); Corrin Juan, 2006a; anon., 2021d (autumn logbook Entrance pictures: 2005 : November 2021 (dog rescue)
Underground picture(s): 2005
Underground picture(s): 2005
Video: \(15 \mathrm{Mb} \mathrm{wmv}=3.5 \mathrm{Mb} \mathrm{wmv}\) (2005)
Detailed Survey : Detailed Survey : sketch
Line survey: Line survey:
On area survey:
Survex file:
Survex file:
x
2287: shaft
S Vega 30T 4506364793976 (Datum: ETRS89 Accuracy code: G) Altitude 658m Accuracy code: G) Altitud
Length 60 m Depth 45 m Length 60 m
Area position

Updated 16th October 2005
A covered shaft above site 1219. Some boulders were removed for exploration; care soulders were removed for exploration; should be taken around the shaft top most of the \(5-6 \mathrm{~m}\) long, 2 m wide shaft appears to be capped and covered with vegetation.
Ten metres down the shaft divides into three and reunites another 10 m down. The shaft then drops 25 m to a rocky floor, \(3 \times 6 \mathrm{~m}\) with lots of dog bones. One tight rift at the base is 3 m deep, another is \(6^{\prime \prime}\) wide and continuing. The double barrels from a shot gun were removed from the bottom.

Reference: anon., 2005b (Easter \& summer); Reference: anon.,
Corrin Juan, 2006a Entrance pictures: yes Underground picture: yes
Video: site 1219 with 228742 Mb wmv file 2 Mb wmv file
Detailed
Detailed Survey : sketch Line survey: Survex file:

\section*{2288: cave}

S Vega 30T 452399 4795045 (Datum: ETRS89 Accuracy code: G) Altitude 300 m Length 4 m Depth 2 m Area position

An open hole a few metres to the east of the valley. A small drop into a small, choked "chamber"

Reference: anon., 2005b (Easter \& summer);
anon., 2005d (Whit logbook) Reference: anon., 2005b
anon., 2005d (Whit logbook Entrance pictures: yes
Underground picture(s Underground picture(s) Video:
Detailed Detailed Survey Line survey:
On area sur Survex file:

X
2289: shaf
S Vega 30T 4523974794947 (Datum: ETRS89 Accuracy code: G) Altitude 347 m Depth 4m
Area positio
A shaft next to the fence which has two possible entrances. The site is undescended but appears to choke 4 m down

Reference: anon., 2005b (Easter \& summer); anon., 2005d (Whit logbook Entrance pictures: y Underground picture(s):
Video:
Detailed Surve,
Line survey: Line survey: Survex file:

X
2290: resurgence
S Vega 30T 4524514794915 (Datum: ETRS89 Accuracy code: G) Altitude 349 m Length 41 m

Updated 7th October 2006; 19th
September, 21st October 2013; 9th May 2018

A resurgence cave that flows in wet weather. The water then sinks and resurges down a small, shallow valley and appears to finally sink 30 m away from Cueva de los Tablons (site 242). The sink shown in the photo has yet to be positively identified or investigated on the surface(?)
The cave was explored in the summer of 2006 and was mainly crawling with some places where it was possible to stand up The cave was surveyed to 41 m length in 2013 with the following description.

A horrible, stagnant entrance with many flies, spiders, tiny leeches, etc in the first crawls. The end was found to be too small to push a helment through. It draughts well but would need chemical persuasion to continue. It wasn't 70 m or big enough t stand as suggested previously. A nice toac was found in the now-named Toad Hall.

In April 2018, it was noted that the cave lies on a 1 m thick bed of sandstone and that this feature may be visible about 100 m down in Torca del Dron (site 4669).

Reference: anon., 2005b (Easter \& summer)
aner 2005d (Whit logbook); anon., 2006d anon., 2005d (Whit logbook); anon., 2006d (summer 2006); Corrin Juan, 2007; anon., 2013d
(summer logbook); anon., 2018b (Easter logbook) Entrance pictures:

A small excavated hole at the base of a
vegetated shakehole. A tight sqeeze dowr Draught issues from a slot under the main face.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes
Underground picture(s): Underground picture( Detailed Survey : Line survey: On area survey: Survex file:
X
2293: dig
La Gatuna 30T 4500514799822 (Datum: ETRS89. La Gatuna 30T 4500514799822 (
Accuracy code: G) Altitude 223 m Accuracy code
Area position

A small hole to a tight rift which draughts.
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey
Line survey:
On area survey:
Survex file:
x
2294: diq
La Gatuna 30T 4500114799900 (Datum: ETRS89. Accuracy code: G) Altitude 231m
Length 3 m Depth 3 m
Area position
A 2.5 m deep hole to the northwest of the ridge line. A small hole at the southern end is not really worth a dig.
```

Entrance pictures: yes (Easter \& summer)
Entrance pictures: yes
Underground picture(s):
Video:
Video:
Detailed Sur
Line survey:
Survex file:
x
2295: shaft
Muela 30T 454288 4796647 (Datum: ETRS89.
Accuracy code: G) Altitude 717m
Length 6m Depth 6m
Area position

```

The entrance lies just downhill of the large depression associated with sites 1946 and 1947. A 6 m deep pot drops to a choked floor.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s): Video:
Detailed Survey
Line survey: Line survey On area surve
Survex file:

X
2296: shaft
S Vega 30T 450327 4793884 (Datum: ETRS89. Accuracy code: G) Altitude 660 m Length 4 m Depth 4 m Area position

A 4 m deep, choked shaft.
Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005 b
Entrance pictures: yes Underground picture(s): Video:
Detailed Survey
Line survey:
On area surve
Survex file:
X
2297: cave
San Antonio 30T 4452984801053 (Datum: ETRS89. Accuracy code: G) Altitude 153 m Length \(2 m\)
Area position

A low arch under sandstone.
```

Reference: anon., 2005b (Easter \& summer)
Reference: anon.,
Entrance pictures:
Video:
Dideo:
Line survey:
On area survey:
On area sur
X
2298: cave
San Antonio 30T 445628 4801046 (Datum:
San Ant. Accuracy code: G) Altitude 92m
Length 8m
Area position
A draughting crawl that continues low
ahead. (The crawl on the left hasn't been
pushed?)

There is a sketch in the 2010 summer logbook (August 13th) which shows the 2 entrances to sites 2016 and 2298 Presumably 2016 links to 2298

Reference: anon., 2005b (Easter \& summer) Reference: anon.,
Entrance pictures: Entrance pictures:
Underground picture(s) Video:
Detailed Survey : sketches - plan \& elevation Line survey: On area survey Survex file: deep. The site is marked
with a square and cross.

Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Video Detailed
Line survey:
On area survey
On area sur
Survex file:
x
2300: shaf
S Vega 30T 4508824794061 (Datum: ETRS89. Accuracy code: G) Altitude 650n

A $4 m$ deep hole surround by a fence anc completely choked at the base. To the eas completely choked at the
is a cave dig (site 2358).
Reference: anon., 2005b (Easter \& summer) Entrance pictures: yes Underground picture(s)







A slope down to a mud and rock bouldery floor which is barely out of daylight. There floor which is barely out of daylight. There
are one or two alcoves which may repay pushing with caving gear.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: y
Underground picture(s)
Video: 0.6 Mb wmv file area panoramic with other
holes
Detailed Survey
Line survey:
On area survey
Survex file:

X

Reference: anon., 2005b (Easter \& summer) Entrance pictures: ye
Underground picture(s
Video: area panoramic with other holes
Video: area pano
Detailed Survey this fenced shaft are fossil corals.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b
Entrance pictures: yes
Underground picture(s) Underground picture(s):
Video: area panoramic with other holes fossil corals above site 2304
Detailed Surve Line survey: On area surve Survex file

X
2305: shaft
s Vega 30T 4513974794191 (Datum: ETRS89 Accuracy code: G) Altitude 550 m Accuracy 4 m
Area position
A 4m deep hole that needs opening up.
Reference: anon., 2005b (Easter \& summer) Reference: anon., 2005b
Entrance pictures: yes Entrance Video:

```
Detailed S
```

Line survey:
On area survey:
Survex file:
X

## 2306: shaft

Seldesuto 30T 449660 4793476 (Datum: ETRS89. Seldesuto 30T 449660 4793476 (
Accuracy code: G) Altitude 633 m Length 12 m Depth 12 m
Area position
Updated 14th October 2011
A shaft, about 12 m deep, covered with a couple of boulders. This was explored in 2011 but there is no description.

Reference: anon., 2005b (Easter \& summer) Corrin Juan, 2006a; anon., 2011d (summer logbook) Entrance pictures: yes
Underground picture(s) Video: 2.7 Mb wmv file

```
Detailed Survey
```

Line survey:
On area survey:
Survex file:
X

2307: cave
Barrio de los Urros 30T 4479364799524 (Datum: Barrio de los Urros 30T 4479364799524
ETRS89. Accuracy code: G) Altitude 381 m ETRS89. Acc
Length 5 m Length 5 m
Area position

The cave entrance lies under a vegetable patch in a private garden. Crawling leads to patch in a private garden. Cra
where the cave closes down.

Reference: anon., 2005b (Easter \& summer)
Entrance pictures: Entrance pictures: Underground picture(s): Video: Dideo: Line survey: On area surve Survex file:
x
2308: shaft
La Collada 30T 448780 4799369 (Datum: ETRS89. Accuracy code: G) Altitude 387 m

Updated 17th May 2015
An unexplored narrow slot to a mud floor. At An unexplored narrow slot to a mud flo
Easter 2015 it was described as a cleft blocked by boulders and vegetation.

```
Reference: anon., 2005b (Easter & summer);
Reference: anon., 2005b (East
```

Entrance pictures:
Underground picture(s):
Underground pict
Video:
Detailed Survey :
Line survey:
On area survey:
Survex file:
x
2309: shaft
La Collada 30T 4488054799328 (Datum: ETRS89.
Accuracy code: G) Altitude 362 m
Depth 3m
Area position

An unexplored narrow slot to a mud floor.
Reference: anon., 2005b (Easter \& summer)
Entrance pictures: Entrance pictures:
Underground picture(s):
Video:
Detailed Survey
Line survey:
On area sur
Survex file:
x
2310: shaft
Ozana 30T 4543144794354 (Datum: ETRS89 Accuracy code: G) Altitude 330 m Length 15 m Depth 14 m
Area position
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An excavated 3 m slope to an excavated squeeze followed by a 12 m pitch to a choke floor and an inpenetrable outlet.

Reference: anon., 2005b (Easter \& summer) Corrin Juan, 2006a Underground picture(s) hall descending ( 4.3 Mb mov file)
Detailed Survey :

```
Detailed Survey
```

Line survey:
On area survey:
Survex file:

2311: cave
Video:
Survey : 1:500 pdf
Line survey:
On area survey
On area survey:
Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and
December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.)
2312: caves
2312: Caves 4743974 (Datum: ETRS89
La Gatuna 30T 4493774799774 (D
Accuracy code: G) Altitude 160 m
Accuracy code
Length 11 m
Area positior
Two short caves, 8 and 3 m long.
Reference: anon., 2005b (Easter \& summer)
Entrance picture: yes
Underg
Detailed Survey
Line survey
On area survey
Survex file
2313: cave
La Gatuna 30T 4494094799710 (Datum: ETRS89
La Gatuna 30T 4494094799710
Accuracy code: G) Altitude 158 m
Accuracy code
Area position
A cave which needs digging out
Reference: anon., 2005b (Easter \& summer)
Entrance picture: yes
Underground picture(s
Video:
Detailed Su
Line survey
On area survey
Survex file:

## On area sur <br> Survex file:

## x

2316: cave
La Gatuna 30T 4494574799617 (Datum: ETRS89. Accuracy code: G) Altitude 154 m
Length 4 m Depth 2 m Area position

A 4 m long crawl which is described as a "Mulu notch". Daylight comes through the roof.

Reference: anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s) Video:
Detailed Survey
Line survey:
Survex file:
X
2317: cave
La Gatuna 30T 4493284799669 (Datum: ETRS89. Accuracy code: G) Altitude 197 m Length 34 m Depth 20 m Area position

Updated 20th May 2006; 22nd January, 5th March 2013
The entrance lies under a sandstone bed in a depression. A crawl at the base leads to a 12 ft climb to a continuing, draughting passage, although this was found to be too tight at Easter 2006. It was thought worthwhile returning to excavate the floor see sketch.

In January 2013, the sand at the bottom was excavated and entry gained into a rift was excavated and entry gained into a rift
passage with a twitching bat. There was no clear way on.
Reference: anon., 2005b (Easter \& summer);
anon., 2006b (Easter 2006); Corrin Juan, 2007;
anon., 2012f (Christmas logbook)
Entrance pictures: yes
Underground picture(s): yes
Video: entrance : extension 2013 (YouTube)
Detailed Survey : sketch elevation : plan and
elevation pdf
Line survey:
On area survey:
Survex file: yes (Amended magnetic declination
December 2013 to align with Eur79 grid and
coordinates altered to fit ETRS89 datum, April 2014.) coordinates altered to fit ETRS89 datum, April 2014. ) X
2318: shaft
La Gatuna 30T 4493094799587 (Datum: ETRS89. Accuracy code: G) Altitude 220 m
lem 2 m Depth 2 m

```
Area position
```

An unexplored 2 m climb down under a sandstone bed.

```
Reference: anon., 2005b (Easter & summer)
\begin{array} { l } { \text { Reference: anon., 2005b (E)} } \\ { \text { Entrance picture:} } \\ { \text { Underground picture(s):} } \end{array}
UN\mp@code{Unground pict}
Detailed Surve
Line survey:
On area survey:
Survex file:
x
2319: shaft
2319: Shaft 
Accuracy code: G) Altitude 205m
Accuracy cod
Area position
```

Updated 22nd January 2013
A small entrance under a sandstone bed in a
depression. A draughting, 20m drop in a
depression. A draughting, 20 m drop in a
narrow rift is undescended and needs caps
narrow rift
and bolts.
Reference: anon., 2005b (Easter \& summer);
anon., 2012 f (Christmas logbook)
anon., 2012 f (Christmas logbook)
Entrance picture: y
Underground picture(s):
Video: Entrance (YouTube)
Video: Entrance (Y
Detailed Survey :
Detailed Surve
Line survey:
On area survey:
Survex file:
x
2320: Catskull Cave
La Gatuna 30T 4494094799596 (Datum: ETRS89.
Accuracy code: G) Altitude 165 m
Length 25 m
The entrance leads to a chamber with a 20 m
The entrance leads to a chamber with a 20 m
crawl to a calcite choke. The cave contains a crawl to a c
cat's skull.

Reference: anon., 2005b (Easter \& summer) Entrance picture Underground picture(s): Video:
Detaile
Line survey:
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On area surve
Survex fulile: Survex file:

## 2321: holes

La Gatuna 30T 449345 4799704 (Datum: ETRS89 Accuracy code: G) Altitude 188 m Area position

Holes under sandstone.
Reference: anon., 2005b (Easter \& summer Entrance picture: yes Underground picture(s) Video: Detailed Survey Line survey On area sur
Survex file:

## 2322: dig

La Gatuna 30T 4493804799465 (Datum: ETRS89 Accuracy code: G) Altitude 150 m Area position

A draughting tube that needs digging.
Reference: anon., 2005b (Easter \& summer) Entrance picture: yes

```
Underground picture(s)
```

Video
Detailed Survey
Line survey:
On area survey
On area sur
Survex file:
2323: cave
Cubija 30T 4504554796789 (Datum: ETRS89.
Accuracy code: G) Altitude 401m
Length 3 m
Length 3 m
Area position
A small cave with a tiny aven
Reference: anon., 2005b (Easter \& summer)
Reference: anone,
Entrance picture: yes
Underground picture(s)
Video:
Video:
Detailed Survey
Line survey:
On area survey:
Survex file
2324: shaf
EL Naso 30T 4507814796540 (Datum: ETRS89
Accuracy code: G) Altitude 436 m
Length 3 m Depth 9 m
Area position
Updated 20th May 2006
A shaft with a good rattle and a sandstone
wedge which has been removed to show
Wedge which has been removed to sho
another block at -4 m with a plumb
Reference: anon., 2005b (Easter \& summer);
anon., 2006b (Easter logbook)
Entrance picture: yes
Video:
Detailed Survey
Line survey.
On area survey
Survex file:
2325: cave
El Naso 30T 450842 4796604 (Datum: ETRS89
El Naso Accuracy code: G) Altitude 470 m
Accuracy cod
Area position
"Just above a shakehole with a cave".
Reference: anon., 2005b (Easter \& summer)
Entrance picture: yes
Underground picture(s)
Video:
Detailed Survey
Detailed St
Line surve
On area survey
On area sur
Survex file:
2326: shaft
La Gatuna 30T 4492144799567 (Datum: ETRS89
Accuracy code: G) Altitude 245 m
Al
Accuracy code: G) Alti
Length 6 m Depth 3 m
Length 6 m D
Area position

Updated 24th January 2013
A 30 cm wide rift next to the track opens up to a pitch or climb with a further descent beyond. When entered in January 2013, after hammering a lump off, a 6 m long and 2 m high passage was found with no draught
and no visible way on.

Reference: anon., 2005b (Easter \& summer);

On area surve x 2327: cave La Gatuna 30T 4491094799465 (Datum: ETRS89. Accuracy code: G) Altitude 271m Length $2 m$
Area position Area position
A 1 m high and 2 m long rift under sandstone.
Reference: anon., 2005b (Easter \& summer)
Entrance picture: yes Reference: anon., 2005
Entrance picture: yes
Underground picture(s):
Video: Ian Chandler at entrance Detailed Surve On area survey: Survex file:

2328: shaft
La Gatuna 30T 4491844799563 (Datum: ETRS89. Accuracy code: G) Altitude 262 m Length 4 m Depth 3 m Area position

Updated 24th January 2013
A 2 m deep hole in the middle of the track which appears to slope down into a low chamber. When explored in January 2013 it turned out to be about 3 m deep to a too tight rift.

Reference: anon., 2005b (Easter \& summer);
Reference: anon., 2005b (Easter 8
anon., 2012f (Christmas logbook)
anon., 2012 f (Christmas
Entrance picture: yes
Video: Penny and Jenny Corrin investigating the entrance ( 1 Mb ) 18 Mb version : exploration (YouTube)
Detailed Survey
Line survey:
Survex file:
X
2329: shaft
La Gatuna 30T 4492214799733 (Datum: ETRS89.
Accuracy code: G) Altitude 243m
Depth 2 m
Depth $2 m$
Area position
A 2 m deep rift at the side of the track which continues under sandstone.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 200
Entrance picture: yes Underground picture(s) Video: looking into entrance
Detailed Survey : Detailed Surve Line survey: On area survey: Survex file:

X
2330: shaft
La Gatuna 30T 4492424799708 (Datum: ETRS89. La Gatuna 3014422424799708 (
Accuracy code: G) Altitude 238 m Length 5 m Depth 3 m Area position

A rift on the uphill side of the track which is about 0.8 m diameter and 3 m deep. It is possible to see 4 to 5 m in this unexplored hole.

Reference: anon., 2005b (Easter \& summer)
Reference: anon., 2005
Entrance picture: yes
Entrance picture: yes
Underground picture(s)
Underground picture(s):
Video: Ian Chandler looking into entrance
Detailed Survey :
Line survey:
On area survey: Survex file:
x
2331: shafts
La Gatuna 30T 449245 4799669 (Datum: ETRS89. La Gatuna 30T 4492454799669 (
Accuracy code: G) Altitude 242 m
Accuracy C
Depth 5 m
Depth $5 m$
Area position
There are about 8 shafts along a 35 m
There are about 8 shafts along a 35 m
section of forestry track. The GPS is for the section of forestry track. The GPS is for the N site, just uphill of the track. None of the shafts have been explored. They appear to
be up to 1 m wide and 5 m deep, and quite be up to 1 m wide and 5 m deep
sharp or loose in some cases.

Reference: anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s):
Video: various unexplored entrances Video: various unex
Detailed Survey : Line survey: On area survey: Survex file:
x
2332: shaft
La Gatuna 30T 4492374799604 (Datum: ETRS89. Accuracy code: G) Altitude 240 m Area position

Two narrow unexplored rifts below site 2331.

Reference: anon., 2005b (Easter \& summer) Reference: anon., 200
Entrance picture: yes Entrance picture: yes
Underground picture(s Video: entrances position Detailed Survey : Line survey: On area survey Survex file:

## 2333: cave

2334: cave
which opens up inside and appears about m deep. It's "not possible to see all the walls for passages". There may be a route on at the base under an overhang.

Reference: anon., 2005b (Easter \& summer); Corrin Juan, 2006a; anon., 2009a \& (Easter logbook); Entrance pictures: Looking into the hole Underground picture(s): Video:
Detailed Survey Line survey: On area surve Survex file

X
2339: cave
Muela 30T 4539544796926 (Datum: ETRS89 Accuracy code: G) Altitude 600 m Length 4 m
Area position
Updated 10th February 2024
A small cliff overlooks a meadow with a ruin. The cave in the cliff has two entrances and is about 4 m long

Reference: anon., 2005b (Easter \& summer); anon., 2024a (January, February \& logbook) Entrance pictures: January 2024 Video:
Detailed Surve
Line survey: Line survey: On area surve
Survex file: Survex file

X
2340: cave
S Vega 30T 4522204794247 (Datum: ETRS89 Accuracy code: G) Altitude 561 m Area position

A step down into a short rift.
Reference: anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s): Letailed Surv On area surve Survex file:
x
2341: cave S Vega 30T 452178 4794387 (Datum: ETRS89 S Vega 30 T 4521784794387 (Dat
Accuracy code: G) Altitude 545 m Accuracy cod
Length 7 m Area position

A 7 m long cave with holes between the bouldery ceiling

Reference: anon., 2005b (Easter \& summer)
Entrance picture: yes Entrance picture: yes Underground picture(s): yes Video:
Detailed Survey
On area surve
Survex file:
x
2342: shaft
S Vega 30T 4521624794367 (Datum: ETRS89 Accuracy code: G) Altitude 553 m ength 18 m Depth 15 m Area position

A short pitch down over rocks lands on a ledge with a further 11 m pitch over a fine edge with a further 11 m pitch over a fine calcite wall to the base of a drippy 6 m long chamber. The outlet is a very narrow twisty rift where stones don't appear to drop any distance. The shaft has a good echo.

Reference: anon., 2005b (Easter \& summer);
Corrin Juan, 2006a
Entrance picture: yes
Underground picture(s): yes
Underground picture
Video: 8Mb wmv file Detailed Survey : sketch Line survey: Survex file:

X
2343: cave
S Vega 30T 452157 4794360 (Datum: ETRS89. Accuracy code: G) Altitude 560 m Length 4m

A $4 \times 2 \mathrm{~m}$ cave in the cliff above site 2342 .
Reference: anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s): Video:
Line survey: Line survey: Survex file:
Length 12 m
Area position
A rift entrance in a cliff ends after 12 m .
Reference: anon., 2005b (Easter \& summer)
Reference: anon., 2005
Entrance picture: yes
Entrance picture: yes
Underground picture(s)
Video:
Detailed Survey
Line survey:
On area survey
Survex file:
x
2345: cave
S Vega 30T 4523044794654 (Datum: ETRS89
S Vega 30 T 4523044794654 (Dat
Accuracy code: G) Altitude 498 m
Accuracy code
Area position
Updated 2nd December 2014

There is a tight rift on the left 2 m inside the entrance. This could be site 606 although that site couldn't be found in November 2014.

Reference: anon., 2005b (Easter \& summer); Refer., 2014d (autumn logbook)

# Updated 2nd December 2014 

A cave in a cliff behind a tree closes in.
Reference: anon., 2005b (Easter \& summer);
anon., 2014d (autumn Reference: anon., 2005b (Easte
anon., 2014d (autumn logbook)
Video:
Detailed Survey
Line survey:
On area sur
On area sur
Survex file:

A dig / shaft under boulders.
x
2352: shaft
S Vega 30T 450945 4794009 (Datum: ETRS89
Accuracy code: G) Altitude 675 m
Accuracy code: G) Altitı
Length 15 m Depth 7 m
Length 15 m
Area position
A wide shaft, precariously capped with
A wide shaft, precariously capped with
boulders, is about 7 m deep. The exploration
ntrance was excavated a short distance
away allowing tight entry to one side of the
shaft. At the base, a short crawl above floor
level enters a choked aven.
Reference: anon., 2005b (Easter \& summer);
Reference: anon.,
Corrin Juan, 2006a
Entrance picture: yes
Underground picture(s):
Video: 13.3 Mb wmv file
Detailed Survey : sketch
Line survey:
On area surve
Survex file:
Survex file
x
2353: cave
S Vega 30T 451120 4794029 (Datum: ETRS89
Accuracy code: G) Altitude 648 m
Length 7m
Updated 9th November 2006; 14th
September 2021

A long depression with a short rift at the eastern end.
This was re-investigated in August 2021 and further described as having a hole at the base of the shakehole which closes off. A slot halfway down the northern end opened up to 2 m horizontal passage with a $2 \times 2 \mathrm{~m}$ chamber at the end which closed up. A small hole at the base is too tight.

Reference: anon., 2005b (Easter \& summer); anon., 2006e (autu
(summer logbook) (summer logbook)

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Underground picture(s
```

Video:
Detailed Survey
Line survey:
On area surve
Survex file:
X
2354: shaft
S Vega 30T 4511234794039 (Datum: ETRS89
Accuracy code: G) Altitude 647 m
Accuracy C
Depth 3 m
Area position

An unexplored, 3 m deep narrow rift at the base of a small shakehole. (See also site 2583).

Reference: anon., 2005b (Easter \& summer) Reference: anon.,
Entrance picture:

```
Underground picture(s)
```

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

2355: shaft
S Vega 30T 4511494794044 (Datum: ETRS89. Accuracy code: G) Altitude 641 m Length 5m Depth 5 m
Area position
A 5 m deep clint on the side of a deeper depression.

Reference: anon., 2005b (Easter \& summer)
Reference: anon.,
Entrance picture:
Entrance picture:
Underground picture(s):
Video:
Detailed Survey
Line survey:
Line survey:
MATIENZO UNDERGROUND - site descriptions (printed 19002/2024 $\begin{gathered}\text { Volume 3- page } 167\end{gathered}$

On area survey
Survex file:

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Survex file:
```


## 2358: dig

## S. Vega 30T 4t S Vega 30T 4508934794056 (Da

 Accuracy codeArea position

At the edge of the depression that contains At the edge of the depression that contain
sites 2300-2305 and to the east of site sites 2300-2305 and to the east of site
2300. A dig with a slight draught that 2300. A dig with a slight draught that requires further excavation.

Reference: anon., 2005b (Easter \& summer) Entrance picture: yes Underground picture(s)
Video:
Detailed Survey
Detailed Sur
On area survey
On area sur
Survex file:
X
2359: shaft

S Vega 30T 4526034794623 (Datum: ETRS89. Accuracy code: G) Altitude 467 m

## Length 20 m Depth 17 m

This entrance is hidden above a small pine

## Area position

Updated 9th May 2007
A small, walk-in rift that bends to the right and chokes in a tiny undercut. The site was probably seen again Easter 2007 at GPS prosably seen aga2 $\begin{aligned} & \text { position } 30704522724794876 ; \text { ETRS89: }\end{aligned}$ 30T 4521704794667

Reference: anon., 2005c (autumn logbook); anon. 2007b (Easter logbook) Entrance pictures: yes
Underground picture(s):

```
Video:
```

```
Detailed Sur
```

Detailed Sur
Line Survey:

```
On area sury
Survex file :
X
2362: dia
Riaño 30T 452593 4799277 (Datum: ETRS89
Riaño 30T 452593 4799277 (Datu
Accuracy code: G) Altitude 290 m
Accuracy cod
Length 12 m
Length 12 m
Area position
Updated 7th October 2006; 30th April 2016
In winter, this site is a very obvious
undercut a few metres off the left bank of
undercut a few metres off the left bank of
the stream. The entrance appears choked
with easily dug rocks. A pool lies at the bas
of the entrance slope, some 4 or 5m in
The site was opened up in 2006 and a
The site was opened up in 2006 and a
sloping passage over rocks followed for 5 m
sloping passage over rocks followed for 5 m
to a dry chamber. The floor was dug where
to a dry chamber. The floor was dug where
a stream sinks, undercutting the back wall.
In mid-March 2016, a short dig was carried
out but the entrance crawl was "very wet".
Reference: anon., 2006a (February logbook),
anon., 2006d (summer 2006); anon., 2016b (Easter
logbook)
Entrance pictures : yes video
Underground picture(s):
Underground picture(s):
Video: 2006 explorations
Video: 2006 explorations ( 12 Mb )
Detailed Surve
n area survey
Survex file
x
2363: cave
resnedo 30T 4544384800971 (Datum: ETRS89.
Accuracy code: U) Altitude 418 m
Area position
A cave entrance near to Casa Rafa opposite
the "golf ball" near Campo la Cruz. Position
very uncertain - see sketch map from log
book (by Armando).
Reference: anon., 2006a (February logbook)
Entrance pictures:
Entrance pictures :
Underground picture(s):
Video:
Detailed Survey
Line Survey
On area surve
Survex file :
X
2364: Molino, Fuente
Arronte 30T 4433654799694 (Datum: ETRS89.
Accuracy code: G) Altitude 65 m
Area position

Updated 30th April 2016
A small, greatly modified resurgence that now drops into the stream flowing towards La Cavada. Most of the water may be pumped off before it resurges. There was a possibility that water from the Sumidero de Cobadal may have resurged here and so this was the scene of optical brightening agent was the scene of optical brightening agen detector exchanges for a fortnight over and results can be read here). and results can be read here).
Similar detectors were placed when, over Easter 2016, water traces were carried out from Duck Pond Sink and the Torca del Hoyón depression. No positive results were seen at Fuente Molino as water was successfully traced to Fuente Aguanaz and Comellantes, respectively.

Reference: anon., 2006b (Easter logbook); anon., Reference: anon., 2006
2016b (Easter logbook) Entrance pictures : Putting in cotton wool OBA detectors, 2006 : resurgence and OBA detectors, 2016
Underground picture(s):
Video: resurgence and OBA, 2006 : resurgence, Video: resurgence and OBA, 2016 (YouTube) Line Survey On area surve Survex file :
x
2365: Sucia, Cueva
Secadura 30T 4562934800556 (Datum: ETRS89 Accuracy code: G) Altitude 105 m Area position

Updated 8th January 2020

When you're standing next to it, the cave has an obvious, draughting entrance that was pointed out to Matienzo cavers on Sunday afternoon by a Spaniard who'd remembered it from his childhood. The location was confirmed in 2018

Each section should be given a proper description. The surveys next to the batches are png files produced from Tunnel (with no shown scale). This is (probably) a temporary measure until the descriptions of each section is written up (with references to some photos?!). The Easter 2006 draft 1
survey (with scale) can be seen here survey (with scale) can be seen here. The
survey with the addition of the Easter 2008 survey with the addition of the Eas

Entrance Series (survey - batch 2366_06_01 Carmen)
he entrance lies at the top of a field, near a fence and is a crouch into taller, metrewide passage. The ways soon split but by keeping to the left a pair of 3 m drops are met. The first one is the easiest and drops into a short crawl to enlarging passage, 3 to 4 m high. After some 60 or 70 m the passage lowers over mud to a mud choke. A few metres back, a narrow 3 m climb up (Rotter's Rift, marked by rock debris on the floor) enters a narrow phreatic rift that intersects a draughting rift parallel to the previous passage. Following the southern route, a narrow passage soon enters an enlargement with a number of passages going off. The first passage to the east reaches a choke after 20 m where a bone has been found All other routes to the east end up in comparatively large chamber with large comparatively large chamber with large
blocks climbing up to a choke. Undergroun blocks climbing up to a choke. Undergrou hammering from this area was probably heard on the surface near a low arch 37 m north of the Torno barn. It seems possibl that this choke was an old entrance and possibly the route taken by the skull found in Skull Chamber (which is currently 2 hours away in a long loop, or much less through the tight Andy's Back Passage). With thi possibility in mind, some digging has
occurred in the Tigger Series (see below). The chamber area also has interesting mixed floor / wall deposits with alternating calcite and cobble sequences

\section*{Easter 08 Series}

This starts a few metres back from Rotter's Rift as a climb into the roof. A complicated and generally small series that heads out to the west, parallelling the
entrance hillside and ending up close to the valley that runs up to Barrio Regolfo Surveying and digging out sections in nearly 1.1 km of new passage provided several teams with a project over a number of days. Batch 08-05 From station 17 (near the formations in the main passage), a side passage continues straight ahead for about 15 m until it becomes very small and splits into two. This point is very near to the Granny's Slippers area in the main cave Just before the end an opening on the right appears to get a little larger ahead. At the start of the side-passage, a crawl on the left curves back towards the main passage before becoming very low.
Batch 08-06 The passage continuing straight ahead at the junction is a mixture of

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flat-out crawling and hands-and-knees. After
45 m it reaches a small chamber with a slope 45 m it reaches a small chamber with a slop
down into a tight passage, only suitable for very small people. On the left at the junction the passage soon turns right again until it runs parallel to the first passage. It ends uns parallel to the first passage. It ends Batch 08-07 From station 5 in the main passage, a calcite slope becomes too small passage, a calcite slope becomes to
after only 10 m , although an audio after only 10 m , although an audio
connection could be made with the passage connection could be made with the passage arting at station 11
Batches 08-08/09 From station 11 the passage slopes up, becomes a crawl and turns left. Straight ahead reaches the audio connection with the side-passage from station 5 . The way on is to the right, along crawl to a U-tube in the floor that was dug out. This rises to a tube ("Tom's Gambit") that continues tortuously round several sharp corners for about 45 m , until it reaches another crawl that needed digging out. This breaks out into a much larger passage. On the right (heading East) it becomes a wide, walking-size tunnel 45 m long, ending at a choke with a small hole down on the left with a slight draught. To the left (bearing West) two passages on the right-hand side meet in a high and narrow rift passage that meet in a high and narrow rift passage that heads north-east, divided up along its length by a number of flowstone "humps". At the top of the last flowstone slope, an aven can be seen through a small hole in the calcite. A lump hammer is needed to gain access to the aven and possibly the continuation of West Passage, a mud and boulder of the West Passage, a mud and boulder slope rises to a passage becoming too low, while on the left a sandy-floored rift is the start o "Endgame". (This end is also described in the
2008 autumn logbook, date 21/10/08.)

Description required for the following batches:
2366_08_02 Carmen Smith, Sarah Payne, Tom Chapman
2366_08_03 Carmen Smith, Dave Cooke (later addition from Patrick / Becka) 2366_08_10 "Torno - Endgame" Patrick Warren, Becka Lawson

Main route down to Axe Wars Inlet (survey - batch 2366_06_02 Carmen)
The roped traverse is intersected by the解 left just before the end of the roped traverse. On the opposite side is a passage (batch 2366_08_01 Bob Toogood, Dave Gledhill, Martin Barnicott) past a stal barrier into a small bedding chamber with the way on choked with mud. On a trip in 2008, the rope traverse in Meander Passage was bypassed (sketch) by dropping down a hole just before the start (to the left of the large block). This drops straight into the major inlet" to the chamber, described below.

Continue down to near Torno Chamber survey - batch 2366_06_03 Pete Smith)
At the right-hand corner that marks the end of Mundy's Meanders, drop down to floor level. The rift soon turns to the left and slopes down to meet a stream passage. On the left, the upstream passage is Axe Wars Inlet. Downstream, scramble over a pile of boulders to a slightly larger passage where an inlet [No name?] enters on the right. Continuing downstream, after a further 20 m another inlet, Where are the Numbers? enters on the left. The main passage now enters on the lef. The main passage now continues for approximately 100 m , with a
cobble floor and some pools, and gradually cobble floor and some pools, and gradually reduces in height from stooping to crawling, dug out.

Major inlet passing under main route in survey - batch 2366_06_04 Sam
(Note: It is possible to climb up from the inlet to avoid the rope traverse - see "Main route down to Axe Wars Inlet", above.) Nea the end of this batch, in the autumn of 2008, a body-sized tube on the right was noticed with visible passage beyond a removable constriction

Tigger Series (survey - batch 2366_06_05 Ali) Tigger Series is entered opposite the large to the west from the main passage and keeping left, crawling leads past 2 faeca keeping left, crawling leads past 2 faecal
deposits to a tighter section and a crawl deposits to a tighter section and a crawl
heading east and slightly uphill - the Kings Dig. This is, according to the 2006 survey, Dig. This is, according to the 2006 surve
directly below Skull Chamber. Sand has directly below Skull Chamber. Sand has been dug out but the going is now more
difficult in clay. Bird bones have been found difficult in clay. Bird bones have been founc
in these deposits. Digging at Easter 2007 in these deposits. Digging at Easter 2007 was curtailed by possible "bad air". The
other digs just beyond this junction have ye other digs just beyond this junction have ye be attempted.
The small chamber at the start of the Tigger Series had been molephonepositioned to the surface; photos can be
seen here.品

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High level extension downstream of
Tigger Series (survey - batch 2366_06_08 Pete Eagan Description
Where Are the Numbers? \& Dead Animals All Around (survey - batch 2366_06_09 Paul Dold?)
Description. A small number of sample fossils were removed for identification ir December 2006 and can be seen here

Axe Wars high level extensions (survey batch 2366_06_10 Sam) Description

Short link into Torno Chamber; Torno Chamber; 1st section of Rampant Rabbit inlet (survey to be altered Paul Dold?)

> Paul Dold?) There ar
the the lowest point is easily diggable and has a weak draught. The furthest northwest point has a strong draught exiting the cham over a too-low crawl on mud. It would probably need \(1-2\) days work to clear to the furthest visible point ( 6 m or so). Next to this on the left is the Lube Tube - best le alone. A climb up a giant sloping boulder leads to the Canyon Extension - see below In December 2006, the bedding which takes water from an inlet in the roof was pushed through Toad Crawl to a sump which is about 1 m wide, and half a metre high with 0.25 m of soft silt on the floor. The main sink, where water disappears under rocks is a long term dig.
Batch 2366_09_03 is the survey into the "sandy dig" at the bottom of Tornc Chamber. This goes about 20 m with a squeeze between rocks. There is a small "sit-up" chamber with a drop into over welly water. This has been pushed through 2 " airspace into (unsurveyed?) passage. Th sandy crawl continues for another 20 m sandy crawl continues for another 20 m approximately and then a junction with a cobbled floor is seen with at least 3 ways on. A cold draught can be felt at this point and remains to be pushed. A visit at Easter mad progress. A visit in the summer 2011 found the area too wet to make any progress.

Rampant Rabbit (survey - batch 2366_06_12 Jim)
Northern extension off Rampant Rabbit (survey - batch 2366_06_13 Paul Windle?)

The summer 2006 extensions (batches
\(06 \quad 14\) to 06 20) have not in Tunnel. The full survey, redrawn in Corel Draw after September 2006, can be seen here. Passage descriptions below have been lifted from the summer 2006 logbook.

Canyon Extension (NW of Torno Chamber) batch 23660614 Patrick Warren \& Carmen - batch
Haskell

A climb up a giant sloping boulder at the northern end of Torno Chamber enters a crawl over a pool and a short passage to a chamber. The left (right?) inlet (not shown on survey) is a horrible rift connected to the canyon below Windles Junction. The right (left?) inlet is a 3 m climb and a short canyon to a chmaber and climb up mud to pop out into a very large NW-SE trending rift. Downstream (NW) leads to boulder falls. The apparent main way on is to the west but this is also boulder-choked - a small crawl at floor level is too tight. A climb up at the end of the big rift gains a large chamber with boulders. A phreatic passage leads off right but gets too small after about 30m.
Canyon Passage 08 Extension
The Canyon Passage in the southwest sector of Cueva del Torno at Fresnedo was dug on a number of occasions and entry gained through the boulder choke in a low level crawl to open passage. The main route varies between 1.5 to 3.5 m wide with roof approaching 20 m above in places. Th draughting route finishes in another
dangerous boulder choke collapse, 50 m
from the Road to Torno in Cueva Riaño. An inlet near the end was bolted up during an 18 hour trip but the water emerged from a tiny hole. To prove the connection, a smoke test with molephones should be the way to go. In all, 667 m were surveyed in this section of the cave, including 120 m in a high level rift passage that heads south east from the initial boulder choke. In 2012, after another push for the Cueva Riaño link, i was thought a good idea to have people at MATIENZO UNDERGROUND site descripioions (printed 19/02/2024) Volume 3 - page 172
both ends of the caves to aid the
connection.
In the summer of 2008 , this latter
In the summer of 2008, this latter series above Torno Chamber (batch 2366_08_16) (photo). The side passage goes through a thrutch up and through into a whole new network of draughting passages above the previously known system. The series starts with a couple of highly entertaining squeezes through calcite windows, leading into traverses in dry meandering rifts with a stream far below until a slope up to a complex junction is reached. The righthand passage is traversing at high level in tortuous rift passage. There must have been extensive amounts of false floor because at times it appeared to be around 2 m below and at others around 15 m . The route breaks out into a high rift chamber with a potential way on up a wall and under a large wedged boulder. The disto reveals this to continue up for at least 20 m with tantalising glimpse of white helictite covered stals appearing from the blackness. A return with bolts and dynamic rope is required. The chamber is eft via a wonderfully exposed climb up a chamber with an excellent rock arch runnin chamber with an excellent
the length of the area. This chamber also has a possible climb up into a black space has a possible climb up into a black sp
beyond a series of worryingly perched beyond a series of worryingly perched
blocks. Climbing would theoretically be easy - if you could rely on the blocks staying in situ. Descent (in a condition fit to leave the cave unaided) would be trickier, as all th holds sloped down and out. Across the chamber, half-way up the sheer wall, a passage leads off and round a bend. As this involves a climb up above the previous climb up, a slip would result in a good \(10 \mathrm{~m}+\) fall The roof of the chamber has a tube inlet heading up from which there is a small but steady flow of water. The positioning of this chamber and the type of rock etc. gives a strong indication that this could well be the bottom of the inlet from site 2414, although this is as yet unproven.
A 2 m climb/step up and back from the unction leads to a dry canyon passage and scramble up over blocks into a marvellously covered in flowstone. It may be possible to climb but would wreck some of it. This may Climb but would wreck some of
lead into the same area as the firs ead into the same area as the first before wreaking destruction in this out before wreaking destruction in this part of the cave. The chamber ends at a very large
boulder choke with no immediately obvious boulder choke with no immediately obvious way on. At the junction again, a very bold climb / bridge up ( 10 m ) and to the left over some very loose looking slabs gains a highe
series of passages. These are negotiated ith squeezes through / step over / run ong / climb up a series of passages and avens. One passage ended in an excellent chamber with the lower section covered in gypsum flowers and a dog-tooth crystal floor, which is very painful on the knees Another passage ends in a climb up an ascending rift where progress is blocked by loose, perched blocks above. Yet another easy crawling passage leads to a draughting aven from which a good inward draught emits. The slabs at the bottom of this aven are covered in scratch marks and paw prints. It was obvious that some lar animal (badger / fox?) has spent considerable effort trying to get up the aven. Other similar scratch marks can be found in other areas of this section although no obvious sign of bones (other than a mouse and a caddis fly) or piles of shit. From the junction, a left turn along a rift which then turns left and descends sharply. Various twists and turns meet the passage leading up to the 'complex' junction. (See Eldon PC Newsletter).
This area (2366_08_16) was re-visited in November 2015 and the logbook account of 2009 Extensions
This inlet into the Canyon Passage is approximately 100 m after passing through
the boulder choke. Hands-and-knees (and lower) progression passes through occasional pools with 30 cm of water. The walls and floor are predominantly mud and the draught is in. There are "woodlice-like creatures in the water - completely white. Exploration stopped after \(140-150 \mathrm{~m}\) where passage widened to about \(3-4 \mathrm{~m}\). It needs passage widened to about \(3-4 m\). It
a thin and determined person in dry conditions to pursue this lead. (Batch conditions to pursue this lead. (Batch
2366_09_01). A separate survey has been 2366_09_01). A separate sur
drawn out for this passage.

While attempting a connection with Cueva Riaño this new area (batch 2366_09_02) wa found. Unfortunately, this was an inlet heading away from Riaño. A descending rift passage over blocks leads to a floor leads to a crsytal-covered floor with a shallow pool. A squeeze round a block enters the continuation of the rift with predominant stal MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024)
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and straw decoration. The rift forks and the right is blocked by excellent flowstone
decoration. The left hand branch is als heavily decorated but it is possible to climl up through and beyond to a mass of loose up through and beyond to a mass of
boulders and false floors. There is no apparent way on. From the log: "Returned apparent way on. From the log: "Return
to chamber which appears to have been visited previously but not surveyed. Very visited previously but not surveyed. Very,
very loose and not pleasant at all. Several very loose and not pleasant at all. Seve
squeezes led to terminal chamberwith squeezes led to terminal chamberwit hanging death everywhere. I am not returning. No obvious way on at present."
Drawn survey of batch. Drawn survey of batch.
On a trip to the end on 11th August 2019 (after some work in Cueva de Riaño), "all of the climbs / digs / chokes, etc" were rechecked and "nothing seemed very promising". It took 130 minutes to get out from the end. Photos can be seen here and video here.

Full description required for batches:
2366_08_04 Dan Hibberts, Johnny Latimer, Bill Sherrington, Bob Toogood
2366_08_11 Martin Barnicott, Bob Toogood (SE from boulder choke) (Passage in Gallery left of climb up into Posture of Progression)

\section*{Up to \(\mathbf{G}\)
Ali Neill \\ Ali Nei}

The passage leading to Grann's tarts with fine formations including larg ancient gours on the left. (Passage behind gours links with route in). The passage continues under "organ pipes" and an inlet on the right (batch 06_17 below). The passage ends at a small stal blockage with no draught. However, holes in the right hand wall give access to a parallel passage. At a junction left looking out leads to a crawl and bend to the right. This pops out into a much larger chamber with fine formations. On the original exploration progress was stopped by a pit in the floor with the route continuing beyond.
At Easter 2007, a higher level passage was At Easter 2007 , a higher level passage wa
entered near station 2366_06_15.8. This series went for 127 m , climbing almost up to entrance altitude. (Batch 2366_07_03-Dan Hibberts, Jim Lister, Bob Toogood, Dave Gledhill and Martin Barnicott). A description is required.

\section*{Rampant Rabbit Inlet - ba
Patrick Warren \& Carmen Haskell}

A 3m climb off Rampant Rabbit gains the A which rises up to a choke over RR At the highest point the passage has broken into a chamber in the next bed of limestone up with many fine straws. Climbs of 3 and 4 m enter a phreatic tube maze with a loop back.

Side Passage before Granny's Slippers -
batch 2366_06_17 Patrick Warren \& Carmen Haskell This side passage starts as walking but reduces to hands and knees before choking.
narrow rift exiting containing a good
drauaht. Both this rift and the initial t draught. Both this rift and the initial tight S
bend were dug at Easter 2007 to make a connection with the roped traverse earlier in the cave and this now provides a much the cave and this now provides a mul Chamber. (It was by this (new) route that the archeologist was escorted into the cave the archeologist was escorted into th
Two other side passages near the major
Two other side passages near the majo In this area there are a number of animal) bones and, at a corner above the Tigger Series, a human skull was found in August 2006 lying on mud. Nearby there art
other bones and a metal artefact in a pit. ther bones and a metal artefact in a pit. The skull was taped off and then removed
in April 2007 for study by Pedro Rasines, the specialist in human remains at the Altamira Museum. Initial cleaning of the skull brough to light that the person had sustained a substantial head injury with bone damage that appeared to partially heal over. (Photos and line drawings of the cranium by Jesús Ruiz Cobo are here). A station close to the skull was molephone-positioned at Easter 2007 and the surface above pock-marked with digs in the vacinity. Hand-held radio contact was made as well as hammering and shouting. (P
The discovery of the skull started the hun
for another entrance and the opening up of for another entrance and the opening up of Pig Nut Cave (site 2523) - which has its own remains (including bear) - and the dig in the streambed (site 2522). The Kings' Dig in th Tigger Series was also started (see above). A major article in volume 16 of Studies in Speleology - Heads Will Roll: Prehistoric human remains and pottery from two sites in the Matienzo area (North Spain) (Smith P Corrin J and Ruiz Cobo J, 2008) describes the cranium and other bones found. The remains have been dated to the Bronze Age because of the method of burial: just inside a small cave entrance which is covered over This method is common in the area and has been associated with pottery and artefacts which have been dated in other caves. Examples of similar burials include those in sites 709 and 565.

Reference Ruiz Cobo Jesús and Muñoz Fernández Emilio et al, 2009 has a photo and describes the find. Ruiz Cobo Jesús et al, 2008a is a well-illustrated, major article describing the skull and the injury with causes. etc. The article can be read here

In 2009, a sand-filled tube in the Posture Progression was dug over a couple of trips and about 8 m of progress was made

\section*{Western end of PoP to pit - batch
\(2366 \_06 \_20\) Patrick Warren, Paul Fretwell}

Survey
The survey is due for another total redraw (ie version 3) after Easter 2007 when 2 molephone points were fixed. Certain passages have now moved 6 or 7 m . This is probably a good time to use Tunnel again. The current survey is shown here (without batches 2366_07_01, _02 and _03 and the 2008 Easter extensions). The current survex file is shown here. As a temporary measure scans are available of batches 07_01 and -03.

Miscellaneous
In 2008, a fossil was removed and identified as a Liostrea Oyster from the Cretaceous. During a trip at Easter 2009, a connection down to "Ali25" in "eggshells" found.
Reference Smith P et al, 2015 has a summary of the archaeological work carried out within 2004-2016.

Link to entry in the Cave Diving Sump Index. Reference: anon., 2006b (Easter logbook); anon.,
2006d (summer logbook); anon., 2006e (autumn
logbook); anon., 2006f (Christmas logbook); Corrin logbook); anon., 2006 f (Christmas logbook); Corrin
Juan, 2007 (survey and photos); anon., 2007b
(Easter logbook); Corrin Juan and Smith Peter, 200 (Easter logbook); Corrin Juan and Smith Peter, 2007
(photos and survey); Corrin Juan, 2007a; anon., (photos and survey); Corrin Juan, 2007a; anon.,
2008c (Easter logbook); anon., 2008e (summer logbook); anon., \(2008 f\) (autumn logbook); Corrin
Juan, 2009; Smith P, Corrin J and Ruiz Cobo J, 2008 (survey and drawings); a anon., 2009a (Easter
logbook); Ruiz Cobo Jesús et al, 2008 ( logbook); Ruiz Cobo Jesús et al, 2008 (survey and
photos); Ruiz Cobo Jesús and Muñoz Fernández photos); Ruiz Cobo Jesús and Muñoz Fernández
Emilio et al, 2009 (photo); a non., 2009 c (summer
logbook): Corrin Juan, 2010; León García José, 201 logbook); Corrin Juan, 2010; León García José, 2010
(Volume 1 and Volume 2) (survey and photos); anon., 2011b (Easter logbook); anon., 2011d
anoter (summer logbook); anon., 2012d (summer
logbook); Ruiz Cob logbook); Ruiz Cobo J and Muñoz Fernández E,
2013; Corrin Juan, 2013a; Papard Philip, Corrin 2013; Corrin Juan, 2013a; Papard Philip, Corrin and Smith Peter, 2014; anon., 2015d (autumi logbook); Smith P et al, 2015; anon., 2018 d
(summer logbook); anon., 2019d (summer Entrance pictures : 2006, 2007, 2018 Underground picture(s):
Entrance chamber, 2018 : Torno Chamber dig, 2011 : Spanish blog with photo, Sept 2011
2009 summer photos : Chamber with fossils, Easter
MATIENZO UNDERGROUND - site descriptions (printed 19/02/2024

82 pictures from Easter \(2006: 77\) pictures from
summer 2006:14 pictures in the entrance series, summer 200
Xmas 2006 12 pictures from Skull Dead Animals. Pictures from Easter 2007: Molephoning (surface and underground); skull removal; others
underground); skull removal; others
Archaeology: Pictures of the cleaned-up skull Video: (by Carmen Haskell) Steve Martin in tigh section prior to enlargement

Reference: anon., 2006b (Easter logbook)
Entrance picture : and too narrow.
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Reference: anon., 2006b (Easter logbook)

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Entrance picture
Underground picture(s):
Video:
Video:
Detailed Survey
Line Survey
On area survey :
Survex file :
X
2373: cave
San Antonio 30T 4467084801471 (Datum
ETRS89. Accuracy code: M) Altitude 85 m
Length 2 m
Area position

A bedding under a low outcrop which is too tight for the first two metres (diggable) but enlarges beyond with a drop in the floor. No draught.
```

Reference: anon., 2006b (Easter logbook)
Reference: anon.,
Entrance picture :
Video:
Detailed Survey
Line Survey
On area survey
Survex file :
x
2374: cave
San Antonio 30T 4469884801201 (Datum: San Antonio 30T 4469884801201 (Datum
ETRS89. Accuracy code: M) Altitude 130 m Length 6 m Area position

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A walk-in entrance just below the road. The cave with a sandstone roof quickly lowers to a crawl on bottles and ends after about 6 m .

Reference: anon., 2006b (Easter logbook) Entrance pictures : yes Underg
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Detailed Sur

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On area survey
Survex file :
x

2375: shaft El Naso 30T 451012 4796948 (Datum: ETRS89. Accuracy code: G) Altitude 443m Accuracy code: G) Altitud
Length 20 m Depth 17 m Length 20 m
Area position

Updated 19th September 2013; 22nd May 2017

An "undescended 7m deep shaft". This was not found in 2013. An earlier GPS reading is 30T 4510084796949 (Datum: ETRS89) When explored at Easter 2017, it was found covered with rocks and a fence post. The hole starts off tight then opens up into a smooth shaft ending after 11 m on a sloping ledge with a further 4 m drop to a choke. Reference: anon., 2006b (Easter logbook); anon.,
2013d (summer logbook); anon., 2017b (Easter logbook)
Entrance pictures : 2006 \& 2017
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Underg

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Video
Detailed Sur
On area surve

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Detailed Survey : sketch
Survex file :
X

2376: cave
El Naso 30T 451201 4796877 (Datum: ETRS89. El \(\begin{aligned} & \text { Accuracy code: G) Altitude } 400 \mathrm{~m} \\ & \text { Area position }\end{aligned}\)

Two unexplored small holes which probably connect.

Reference: anon., 2006b (Easter logbook) Entrance picture : yes Underground picture(s): Video:
Detailed Survey :
Line Survey : Line Survey On area surv
Survex file :

X
2377: shaft
El Naso 30T 4512874796818 (Datum: ETRS89. MATIENZO UNDERGROUND - site descriptions (printed 19/02/20244
Volume \(3-\) page 17

Accuracy
Depth 5 the tight section.

Reference: anon., 2006b (Easter logbook); anon.
2008c (Easter logbook); 2008c (Easter logbook); anon., 2011b (Easte 2008c (Easter logbook); anon., 2011b (Eَ
logbook); anon., 2017b (Easter logbook) Entrance picture : yes
lo and
Video :
Video :
Detailed Survey :
Line Survey
On area survey
On area sur
Survex file
2378: shaf
El Naso 30T 4512794796841 (Datum: ETRS89
Accuracy code: G) Altitude 398m
Length 22 m Depth 12 m
Area position
Updated 16th April 2008; 14th May 2011
There has been confusion between this site
and site 2379. Site 2379 seems to be on a
grassy area. More confusingly, this site 2378
may have not been seen when 2377-2379
were originally found.
were originally found.
The open entrance is on a heathery slope. A
The open entrance is on a heathery slope.
10 m pitch drops into a 10 m long chamber
with a rock bridge. There is a possible dig in
with a rock bridge. There
mud at the deepest point.
Reference: anon., 2006b (Easter logbook); anon.
Reference: anon., 2006b (Easter logbook); ar
2008c (Easter logbook); anon., 2011b (Easter
Entrance pictures : yes
Underground picture(s): yes
Video : looking down entrance pitch
Detailed Survey : sketch
Line Survey :
On area survey
Survex file
X
2379: shaf
El Naso 30T 4512884796833 (Datum: ETRS89
El Naso 30 T 4512884796833 ( Da
Accuracy code: G) Altitude 397 m
Accuracy co
Depth 2 m
Area positior
Updated 14th May 2011; 22nd May 2017
There has been confusion between this site
and site 2378 . Site 2379 seems to be on a
grassy area. More confusingly, site 2378
may have not been seen when \(2377-2379\)
were originally found. This had a grid
were originally found. This had a grid
reference of \(30 T 4512874796829\) (Datum:
ETRS89)
At Easter 2017, it was described as a very
At Easter 2017, it was described as
small 2 m deep rift with no draught.
Reference: anon., 2006b (Easter logbook); anon
2011b (E
Entrance picture : yes
Underg
Detailed Survey
Line Survey
On area surv
Survex file
2380: shaft
El Naso 30T 451005 4796829 (Datum: ETRS89
El Naso 30T 4510054796829 (Dat
Accuracy code: G) Altitude 450 m
Accuracy co
Depth 6 m
Depth 6 m
Area positio
A small, undescended hole, about 6 m deep.
Reference: anon., 2006b (Easter logbook)
Entrance picture : yes
Underground picture(s)
Video :
Detailed Survey
Line Survey
On area survey
Survex file
2381: shaft
Barrio La Mina 30T 4447514800406 (Datum:
ETRS89. Accuracy code: G) Altitude 162 m
Length 100 m
Area position


In a depression with an occasional stream shown on the map. A 3 m wide, 10 m deep undescended shaft which was discovered in 2006 but not explored until 2014 as it was out of the permit area. The length and depth are a guess requiring confirmation through a survey.

\section*{channels are in evidence.}

On the north side across the chamber, a 20 m high aven with a small high level inlet and possible passage at the top. To the east, below the ladder and behind a large boulder is an inward draughting drop into an
area of passage and chambers terminated area of passage and chambers termir
by boulders and run-ins. (A return is required with joss sticks). Is this the exploration described as "Behind boulder below entrance slope on the right. Small chamber approx 5 m long and 2 m wide by 1 m high. All ways blocked by rubbish and boulders. About 5m long" ?

Moving anticlockwise from the north, a smal inlet passage enters which splits in two nlet passage enters which splits in two. (Has this been explored as, "To the left of (Has this been explored as, "To the left
the 20 m high aven under the rock arch. the 20m high aven under the rock arch. Comfortable crawling over rocks and co
reaches right hand branch that quickly reaches right hand branch that quickly
chokes. Left hand branch goes for a bit chokes. Left hand branch goes for a bit
further before choking in a small boulder further before choking in a small boulder
choke. Length \(12 m . ")\) choke. Length \(12 \mathrm{~m} .{ }^{\prime \prime}\) )

To the west, now at right angles to the major joint in the entrance chamber, a low section opens up into a walking-size continuation - large and with boulders and a few formations to a point where a roof collapse may bar the way on at this level. However, an obvious way down under the collapse opens immediately onto a pitch.

From 19/4/2014: There is a small waterfall to the left of the entrance pitch (when facing away). A small climb following the water leads to a too-tight squeeze. However, hidden passage on the right leads to muddy sideways going. After some distance a calcite obstruction is passed before easier passage leads to larger passage at a corner
(right). Harder going in tight passage ends (right). Harder going in tight passage ends abruptly at a very difficult left hand turn. The passage appears to close down ahead. (Length 15m)

This second ?m pitch drops into a chamber with a further drop. There are 2 possible ways on at the base of the rubble slope. The western one was too tight to get down past a large boulder, but the size of the rock was reduced allowing access. Care is needed as the boulder is now split in two and holding up the slope above. There are two spits in the wall for a ladder to avoid touching the boulder. Below leads after a few metres to three-way junction where one passage chokes almost immediately; another is a small triangular passage and the third goes a few metres to a junction where right is a choke and straight on degenerates into a snug body-sized tube with sand and water on the floor. This goes for some distance without showing any sign of improvement. The end is described as becoming worse at a \(70^{\circ}\) bend to the right: "water deepens as well as the mud. Forward progress become almost impossible. Passage does not appear to improve in front, although dripping was heard." (Length 20 m )

The eastern rift was excavated to small rift The eastern rift was excavated to small rift passages and cross joints which lead, after about 8 m , to a small hole in a calcite flow After a couple of sessions enlarging, the constriction was passed. A crawl leads to a small calcited chamber. To the right a slope eads up where the passage becomes too tight with calcited rocks. These could be removed but the route was not draughting.

A small crawl at the head of the second pitch has no draught but it is easy digging and it may bypass the choke.

Various small passages have been sketched in the logbook and these will become available in due course

Reference: anon., 2006b (Easter logbook); anon., 2014b (Easter logbook)
Entrance picture : April 2014
Underground picture(s): Easter 2014, Chris Camm
Video
Detaile
Detailed Survey Line Survey On area sur
Survex file
x
2382: Cuadra, Cueva de la Navajeda 30T 4445134800667 (Datum: ETRS89. Accuraca yoor
Lensth
Hom
Area position: A Google search for this site (Cuadra
Cueva de la+Navajeda) Areva de la+Navajeda)
Cueval
updated 17th July 2015; 19th February

An obvious 4 m wide by 2.5 m high entrance on the side of the hill with old
water channels along either wall for the first
20 m . Bevond a man-made wall nearlv roof20 m . Beyond a man-made wall high is a chamber with a 4 or 5-way junction. To the right ends at a diggable crawl. Straight on is a slope up into an upper level chamber with some stal and a hole on the left which drops to a third hole on the left which drops to a third
passage out of the main chamber which has passage out of the main chamber which \(h\)
a lowering roof to a choked rift. The final a lowering roof to a choked rift. The final
passage is a narrow rift on the left which gassage too tight.

The cave has / had archaeological The cave has / had archaeological
material: a flint and carbon fragments material: a flint and carbon fragments.
There are also panels of black marks. (See There are also panels of black marks. (See
Ruiz Cobo J and Muñoz Fernández E, 2013, Ruiz Cobo J ano
pp \(368-369\).

Reference: anon., 2006b (Easter logbook) Entrance picture : yes
Underground picture(s)
Video :
Detaile
 Line Survey : On area survey
Survex file : yes

2383: Bocarones 2, Cueva de los
Navajeda 30T 4448584801131 (Datum: ETRS89 Navajeda 30T 4448584801131
Accuracy code: G) Altitude 90 m
Accuracy cod
Length 10 m
Length 10 m : A Google search for this site
Area position : (Bocarones 2, Cueva de los+Navajeda)

Updated 19th February 2016
In a hillock above Famous Five Cave (Cueva del Bocarón). A walk-in entrance to a 10 m diameter chamber with no way on. Flints and ceramics have been found. (See Ruiz
Cobo J and Muñoz Fernández E, 2013, p368)

Reference: anon., 2006b (Easter logbook); Ruiz
Cobo Jand Munt
Entrance picture
Underground picture(s)
Detailed Survey : from
Fernández E, 2013, p368
Line Survey:
Line Survey :
On area survey Survex file

2384: shaft
San Antonio 30T 4474264801509 (Datum: ETRS89. Accuracy code: G) Altitude 100 m Length 4 m Depth 4 m Area position

A 4 m deep rift covered with a large block that provides a tight entry. Choked at the base.

Reference: anon., 2006b (Easter logbook) Entrance picture

 Detailed

2385: cave
Secadura 30T 4563484800391 (Datum: ETRS89 Secadura 30T 4563484800391
Accuracy code: M) Altitude 75 m

\section*{Accuracy cod
Length 15 m}

Area position
Updated 19th September 2013
A cave entered through a hut at the side of the road. Three metres of stooping is
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Mvideo
M

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On area sur
Survex file
x
2387: resurgence
Seat:resurgence

Accuracy code
Area position
Updated 28th September 2006; 19th
Updated 28th September 2006;
November 2007; 2nd July 2009

A choked sump at a resurgence with mini tubes above.

Link to entry in the Cave Diving Sump Index.

Reference: anon., 2006b (Easter logbook); pers comm Entrance picture : yes
Underground picture(s) Underground picture( Video : Detailed Survey On area surve Survex file : x

\section*{2388: cave}

Secadura 30T 456588 4800391 (Datum: ETRS89. Accuracy code: M) Altitude 56 m
Area position Area position

Updated 19th November 2007
An open cave entrance at a sink. The stooping height passage visible is shared by sewage from a pipe on the bank at the entrance.

Reference: anon., 2006b (Easter logbook) Reference: anon., 2006b
Entrance pictures : yes Entrance pictures : yes
Underground picture(s): Video:
Detailed Survey Line Survey : On area surve
Survex file Survex fil

X
2389: cave
Secadura 30T 4564784800491 (Datum: ETRS89. Accuracy code: M) Altitude 65 m Length 5 m Depth 2 m
Area position Area position

This walled entrance lies in the corner of the road up to the church. A 2 m tight route slopes down into a 2 m diameter, 1 m tall "chamber" with no way out.
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Reference: anon., 2006b (Easter logbook)
Reference: anon., 2006
Entrance picture :
Undergr
Detailed Surve
On area survey :
Survex file :
X
2390: cave
Secadura 30T 456707 4800985 (Datum: ETRS89.
Secadura 30T 456707 4800985 ([
Length 30m Depth 15m
L_

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Updated 16th April 2008

The entrance lies off the side of a valley in a small depression. A steep and tight slope down under a wall for 2 m leads to a standing-height passage and gentle slope to a junction. Above this point is a very steep slope up to daylight with barbed wire slope up to daylight with barbed wire
coming down. Right at the junction slopes down to a total depth of 9 m . Left goes down down to a total depth of 9 m . Left goes down
a slope to a vertical drop and a p9. There is a slope to a vertical drop and a p9. There is
an echo and draught from this route. an echo and draught from this route. At the base is a \(8 \times 3 \mathrm{~m}\) chamber with a tight crawl out which is a dead end.
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Reference: anon., 2006b (Easter logbook); anon.,
Reference: anon., 2000

```
Entrance picture : yes
Underground picture(s):
Underground pictu
Video:
Detailed Survey :
Line Survey :
On area survey :
On area sur
Survex file :
x
2391: cave
Secadura 30T 4584534800137 (Datum: ETRS89.
Accuracy code: G) Altitude 30 m
Length 23 m

The cave entrance is along the road towards Badames from Secadura by the first bridge ver the river in low level karst and near a small rising and pumphouse in a wooded area. Hands and knees crawling for 5 m enlarges to walking to a second entrance after 15 m . A low passage to the right goes MATIENZO UNDERGROUND - site descriptions (printed 19002/2024

\section*{2392 shaft}

Alisas (grid reference missing from log book)
An unpromising narrow rift that needs enlarging.

Reference: anon., 2006b (Easter logbook)
Reference: anon.
Entrance picture
Video :
Video:
Detailed Survey
Line Survey
On area survey
Survex file
2393: shaft
Bosmartín 30T 4495784797084 (Datum: ETRS89
Bosmartín 30T 449578 4797084 (
Accuracy code: G) Altitude 485 m
Length 4 m Depth 4 m
Area position
A 4 m pitch drops into a very narrow rift,
choked in both directions
Reference: anon., 2006b (Easter logbook)
Entrance picture :
Underground picture(s
Video :
Detailed Survey
Line Survey
On area survey
On area sur
Survex file
2394: shaf
2394: Shaft
Cobadal 30T 4490814797220 (Da
Accuracy code: G) Altit
Length 5 m Depth 5 m
Area position
A 4.5 m pitch to a chamber with a too tight
exit.
Reference: anon., 2006b (Easter logbook)
Entrance picture
Entrance picture :
Underground picture(s
Underground pict
Video :
Detail
Line Survey
Line Survey
On area sur
On area sur
Survex file
2395: shaf
Cobadal 30T 449080 4797240 (Datum: ETRS89
Cobadal 30T 449080 4797240 (D D
Accuracy code: G) Altitude 410 m
Accuracy code: G) Alti
Length 4 m Depth 4 m
Area position
This site is covered by a large rock and goes
4 m to a choke. Probably a shaft?
Reference: anon., 2006b (Easter logbook)
Entrance picture
Underground picture(s)
Video :
Detailed Surve
Line Survey
On area survey
Survex file
2396: shaft
Bosmartín 30T 4495724797122 (Datum: ETRS89
Accuracy code: G) Altitude 497 m
Length 10 m Depth 10 m
Area position
A small, capped hole by an animal track
which has old flowstone down one wall and
is choked with mud at the base.
Reference: anon., 2006b (Easter logbook)
Entrance pictures
Underground picture(s)
Video:
Detailed Survey
Detailed Su
Line Survey
Line Survey
On area sur
On area sur
Survex file
2397: shaft
Bosmartín 30T 449545 4797091 (Datum: ETRS89.
Accuracy code: G) Altitude 501 m
Accuracy code: G) Altitude 501 m
Length 5 m Depth 5 m
Area position

A 2 m diameter shaft which drops to a choked mud and boulder floor.

Reference: anon., 2006b (Easter logbook) Entrance pictures : yes Underground picture(s)

Detailed Survey
Line Survey:
 On area surve Survex file

X
2398: hole
Bosmartín 30T 4495294797148 (Datum: ETRS89. Bosmartín 30T 4495294797148
Accuracy code: G) Altitude 519 m Accuracy code
Area position

A small hole in the heather which may be big enough to get into when a covering rock
is removed. is removed.

\section*{Reference: anon., 2006b (Easter logbook)
Entrance pictures: Entrance pictures : Underground picture(s): \\ ```
Video :
``` \\ Detailed Survey \\ Iine Survey : \\ Survex file : \\ x \\ 2399: shaft (Caroline's Big Hole) Cobadal 30 T 4491654797059 (Datum: ETRS89. Accuracy code: G) Altitude 436 m} Length 30 m Depth 16 m Area position

Shaft named Caroline's Big Hole. An impressive rift hidden in an area of scrub and trees below site 2073 (or is it 923?). A \(5 \times 1.5 \mathrm{~m}\) opening can be descended 8 m to a floor at the highest end. The floor slopes down into a large, fluted rift about 5 m wide at the base and round the corner to the right where the floor is choked with mud. Some digging has been attempted. There is a possible continuation in the roof of the rift over the mud choke. A serious climb using suspect holds has not been attempted.

Reference: anon., 2006b (Easter logbook)
Reference: anon., 2006b (East
Entrance pictures : yes
Underground picture(s): yes

\section*{Video :}

Detailed Surve
On area surve
Survex file :
x
2400: cave
Cobadal 30T 449067 4796771 (Datum: ETRS89 Accuracy code: G) Altitude 489 m
Accuracy cod
Length 8 m
Length 8 m
Area position
A hole in the base of a depression with a flat out crawl down a 45deg muddy slope for 3 m into a 3 m high chamber. This has fossil stal into a 3 m high chamber. This has fossi
up to 1 m long and a mud and boulder up to 1 m long and a mud and boulder ascends above the level of the entrance ascen
hole.

Reference: anon., 2006b (Easter logbook) Entrance picture : Underground picture(s):
Dideo: Survey : area sketch with sites 1275 Detailed Survey: area sketch
(called 2401), 2406 and 2407 Line Survey
On area survey
On area sur
Survex file :
X```

