

MATIENZO CAVES PROJECT

LOGBOOK

Year: 2024

Season: January : February

Logbook pages converted from an online *Google Doc*

Juan Corrin, February 2024

[HELP FILE](#)

2024 January / February Logbook

10/1/2024 Photos

Sent by Simon via WeTransfer in 7 batches. Photos for Hoyuca Trident and Paisley Passage [0107](#) and sites [0059](#) [0260](#) [0429](#) [0603](#) [0670](#) [0713](#) [0814](#) [0816](#) [1018](#) [1232](#) [1488](#) [1551](#) [2099](#) [4534](#) [5362](#) [5396](#) [5397](#) [5398](#)

[0107](#) Hoyuca survey from Xmas 13/1/2024

RE: Uzeka - Trident

From: Simon Cornhill (simonscornhill@dsl.pipex.com)

To: drfootleg@gmail.com; uzueka@aol.com

Cc: diza_cutart@hotmail.com

Date: Saturday, 13 January 2024 at 18:10 GMT

Hi Footleg & Juan,

We're back home now and dreaming of the happy valley and its fantastic caves.

Here is the 0107.svx file with all of our Christmas 2023 surveys added. These have ended up being two large data sets, and can be split into smaller surveys but keeping the same station numbers if you think it's a good idea?

0107-23-08 This is in Trident, from the Juan/Lugger station 17 in Macehead, taking in Gypsum traverse upper and lower levels, down the main passage heading SW and the un-surveyed passage on the right before the junction with Left Hand and Sandstone Passages. It continues with everything we went into in Left Hand Passage.

0107-24-01 This replaces virtually all of survey batch 0107-23-06 which is from the top of Judgement pitch to Duckham's sump, apart from the couple of legs which go through the duck. This has satisfyingly reduced the Decepción/Shrimp Bone Inlet loop closure error from over 20m to 2.24m and less than 0.5%! I put this down to a problem with our new Distox-BLE and sloppily not paying enough attention to the calibration drifting out by up to 5° somehow during this survey. I haven't opened it up to check if the battery has been moving about yet... However, I'm happy the other stuff we did in the summer seems to be of a high quality.

This survey batch also includes the inlet off Paisley Passage heading SW. Interestingly, it has a different general trend in direction compared to the original survey (some sort of historic baked in magnetic declination issue?) which now has it headed for an arm of Decepción and also ends in tall avens. I've left the original centreline in for this bit so that you can see how it has shifted, comment it out when you're ready.

I've also created Deception-Rocky Horror.svx which goes in the scenarios folder to help me whilst I've been adding the newdata.

I Hope this all looks OK and is acceptable.

[...]

Best wishes Di & Si

14/1/2024 Survex data for 5 sites received from Simon.

[0429](#) [0816](#) [1551](#) [5162](#) [5362](#)

15/1/2024 WhatsApp from Codisera ([0039](#)) team via Pete Smith

See 2 videos of Codisera from TopoDroid survey with commentary. On YouTube? Not yet.
See website description.

16/1/2024 New survey for [0017](#) Jivero 2 and #[1111](#) with Survex from Pete Smith

17/1/2024 "Updated Caves to Look At", 2024 from Phil

24/1/2024 around site [0898](#)

Good evening Juan

I went out for a walk in the sun this afternoon, drove up to the col above Llueva and ended up on the hill above the cliff line with [0273](#).

Anyway, near [0898](#) I looked for the shakeholes in a line below it and as 'it's about time they were separately documented', as a small contribution there seem to be two caves in a long shakehole: the top one (1) **NEW SITE 5399** is at the grid reference you give and the lower one (2) **NEW SITE 5400** is at 453775 4796876. I suppose they have to be explored to be documented fully!

Also photos of [2339](#). Not a very exciting cave.

Pete Smith

25/1/2024 [0028](#) Selvijo

Pete, Andy, JUAN back into Cueva Selvijo ([0028](#)) after more than 28 years to do a resurvey including LRUD data. It could be that the original centre line was the first Survex survey that the Matienzo cavers did (but without the LRUD data).

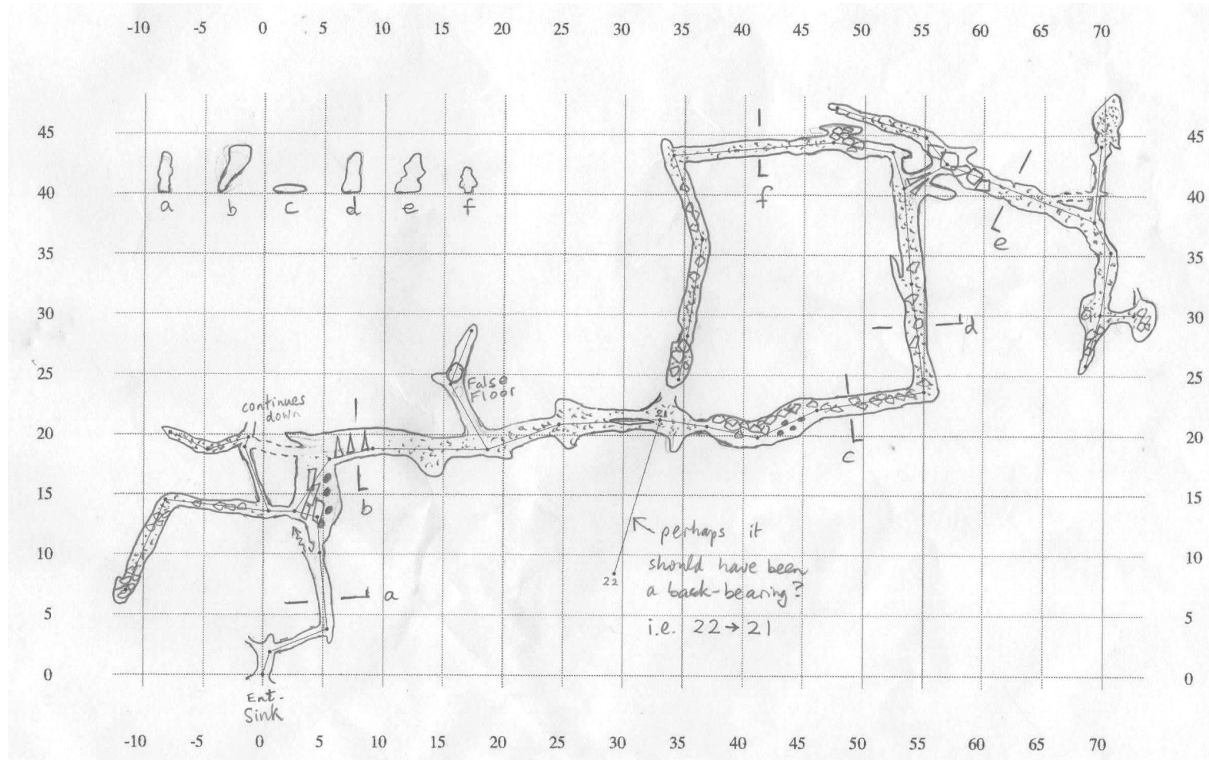
Went to the eastern end and surveyed out, taking about 4 hours for the whole trip. I think that we were all surprised at how "technical" the cave had become after all these years - a flat out crawl and traverse over holes concentrated the mind. There are a number of leads still to look at, mainly including drops down into the lower passage(s) - see the updated drawn survey when eventually produced. Some previously surveyed sections were not entered as they required tackle which we didn't have.

A horseshoe bat was seen hibernating on the rift wall at the 3.5m climb up from the stream near the entrance.↘

↖ Surveying was done old style, with a large 1995 survey on an A4 clip board and A4 paper to write down the readings. This worked well, despite the sediments, traverses, some water and the crawl.

Looking at mapas cantabria (both 2023 aerial photos and the topo map) after the trip i would give the entrance gridref. As 454069 4794583 and altitude of 258m. AQ.

Pete's original drawing from 1995 is below. Perhaps this should have been the published survey rather than the less detailed "final" drawing - although that one seems to have been the first to be drawn using the Acorn Archimedes. (JC)



0039 Codisera

Ángel San Juan

De: mortacleto@hotmail.com

A: Pedro, 'Juan Corrán'

Buenos días,

Estuvimos en Codisera el sábado 13 de enero. Fuimos 4 y principalmente nos dedicamos a hacer la topo desde el pozo de las chinas hasta la zona "nueva". Consideramos importante hacer la topo para ver hacia dónde íbamos. También vimos un par de pozos en el pasamanos, no continúan, pero hemos visto que están muy próximos a la sala antes de la escalada. También mejoramos la instalación, pusimos un desviador en la zona de palomitas de maíz, así como un fraccionamiento en la salida de la gatera de arena.

Este próximo sábado 3 iremos para continuar con el topo que falta y hacer la escalada pendiente.

.....

Good morning,

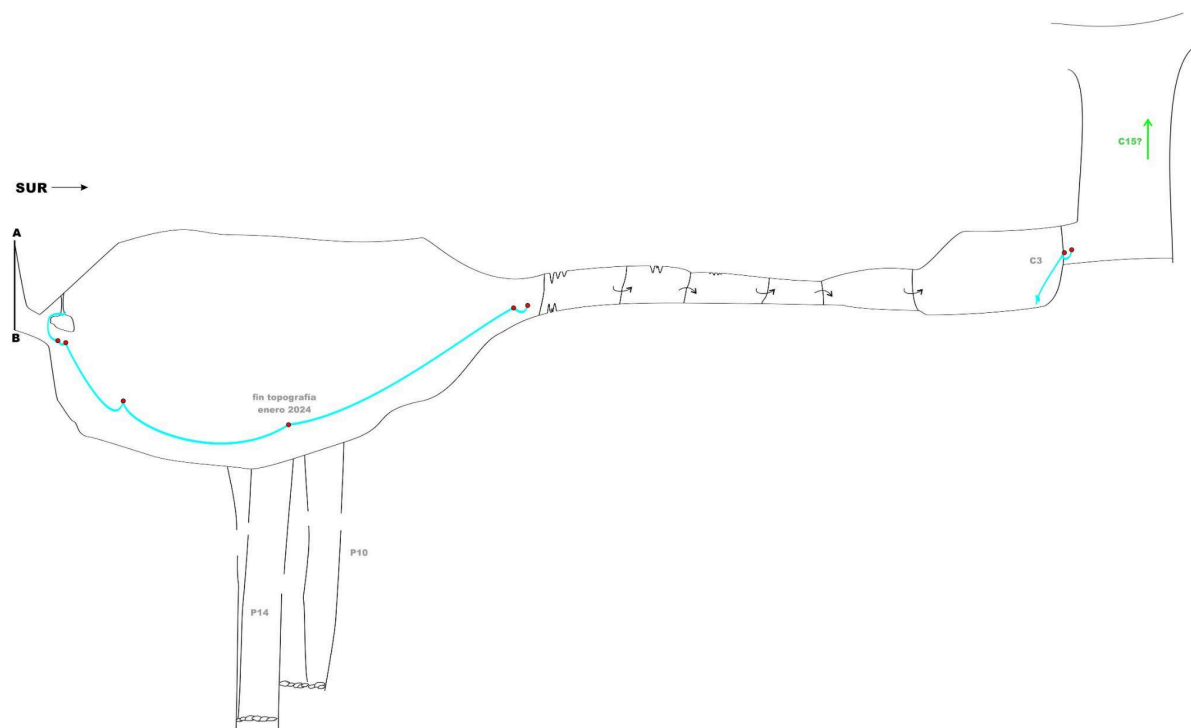
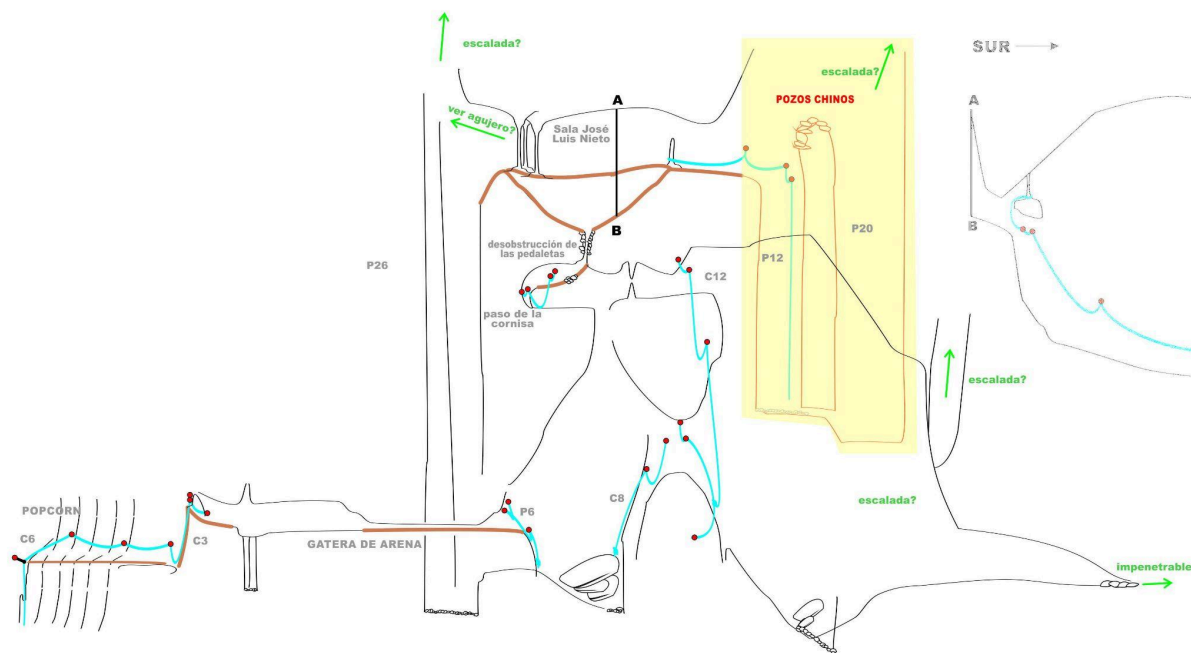
4 Matienzo Caves Project 2024 January / February logbook

We were at Codisera on Saturday, January 13. There were 4 of us and we mainly dedicated ourselves to doing the topo from the Chinese well to the "new" area. We considered it important to do the topo to see where we were going. We also saw a couple of holes in the handrail, they do not continue, but we have seen that they are very close to the room before the climb. We also improved the installation, we put a diverter in the popcorn area, as well as a division at the exit of the sand chute.

This coming Saturday the 3rd we will go to continue with the missing topo and make the pending climb.

Survey attachments: Codisera_completo 2024.tro; Codisera_completo 2024.zip; Codisera puente dic 2023.jpg

Sketch updated from the Xmas 2023 logbook:



Four Valleys System 31/1/2024

Four Valleys System: Part of an email from Paul "Footleg" Fretwell (6th Dec 2023):
Juan, you can see which files I have updated in the attached as their file modified dates will be more recent than the copies you gave me at Hidden Earth.

All 4 main 4VS systems are now using auto calculated declinations where data does not already have a declination baked into the numbers.

Connection points between all the systems are now up-to-date and online.

Files affected and now up-to-date are [0081](#) [0105](#) [0107](#)* [0114](#) [0252](#) and the "scenarios" that provide 4valleys-lite.3d, 4valleys.3d and 4valley-full.3d

*The Cueva Hoyuca 0107.svx is from Si and Di after Xmas explorations, dated 13/1/2024

According to the log file for 4valleys-lite.svx, the traverse length for the 4VS is 73530m
(With the addition of 0575 Riaño resurgence, the length is 73996m. Doesn't include Los Boyones.JC)

[0039](#) Codisera 4/2/2024

Juan, they were in Codisera again yesterday and still have 2 or 3 leads.
 Ángel has sent some videos of them in the cave and this one with the survey.
Pete Smith via WhatsApp

[0107](#) Hoyuca - Xmas a/c and logbook description. 6/2/2024

Trident info from Di Arthurs. (email)

[0084](#) Cosas [0048](#) Reñada [2538](#) Cubillón 6/2/2024

From: sam@samsphotogallery.com

To: Juan Corrin

Tue, 6 Feb at 13:50

Hi Juan,

I hope you are well and am looking forward to meeting up with everyone on the 17th at Helwith Bridge. I can't remember if I ever sent you these images to add to the cave entries on the matienzo website. Let me know if you need different formats.

0084: Cosas, Cueva las. Summer 2023. Sam Davis in the main chamber with daylight beam from entrance.

0048: Reñada, Cueva-Cubío de la. Summer 2023. Chris Hunter in Anastomosis Chamber

2538: Cubillón, El. Summer 2023. Amanda Rowe in ?first south passage.

Not 100% sure where this was taken on the survey but it was just beyond where Alex Ritchie's new Third south passage branched off to the right. Photo possibly the mudchoke marked on the survey.

Sam Davis

From: smith_peter2004@yahoo.es

To: Juan Corrin

Sat, 10 Feb at 13:41

Hello Juan

How are you? If you aren't too busy getting ready for the Matienzo meeting next week, I was wondering if you could add some photos to the Matienzo stal page.

I'd suggest

One of Rob Eavis's photos from Peña Encaramada, either 3 or 4, 'Champagne Supernova'

One of the gypsum in Gypsum Paradise in Vallina last Easter (so many, but my choice would be the second in the fourth row from the bottom)

And in the speleogens, the roof pendants in Anderal 2 (Cave 0008).

Andy and I are attempting an OBA test from the sink at the head of the Cubija valley (near Regatón). We've got detectors in Penny's Cave #[0280](#) and 'Riotuerto Inlet' in Agua #[0059](#), which are the nearest options, unless the water goes off to the 4 Valleys, or Cobadal.

Cheers

Pete

From: smith_peter2004@yahoo.es

To: Juan Corrin

Tue, 13 Feb at 08:28

Good morning Juan

Thanks for the re-drawn Selvijo survey. I suppose we just haven't found a day when could both go to the cave. Then the Cubija dye-test is the latest distraction. The idea was to take advantage of the rain after a long dry spell. But it's still very dry at the sink, trickles of water are just soaking away. (But if it gets wetter, Agua might be impassable!)

Anyway, I changed the detectors yesterday and they were both negative. We'll give the new ones a few more days.

From: drfootleg@gmail.com

To: Juan Corrin

Tue, 13 Feb at 14:48

Hi Juan,

I've taken a look into the SOLVE in 1800, and have a proposed alternative solution which keeps all the dry cave in more or less the same position, but without the *SOLVE (which causes problems in scenarios where it fixes positions of stations before fixes are processed in other connected caves, resulting in errors sometimes).

I have removed the *SOLVE from 1800.svx, and instead put an SD line into the 1800-2016s-dive.svx file (attached).

*sd compass 4.0 degrees

This tells Survex to treat the compass readings in that diving data as less accurate (+/- 4 degrees seems to keep things in a similar position to leaving the diving data out) when closing the loop. ↘

↙

I've adopted the latest versions of all the other sites you sent me. So I no longer include 1800 via 0103 and these caves are not equated via surface legs now.

This has enabled me to clean up my scenario files, and remove duplication. I have 4valleys-lite (the interconnected surveys which make up the 4 valleys system official length), 4valleys.svx (which now consumes 4valleys-lite and adds various caves which over-lie the main system), and 4valleys-full (which is my wider area survey). My 4valleys-full includes a few more caves than the one you last sent me.

Note the 4 Valleys Lite includes Riaño resurgence now, since a human connection has been made, so this increases the system length to 73675m which is a bit more than Phil's end of year report shows (as that does not include the 0575 data).

One last change I've made is to put the name 0252_Decepcion in place of just 0252 in keeping with the naming of the other surveys in the 4valleys-lite. These names go into the Therion files, so I don't want to be changing them later after drawing up has been done as it breaks the drawing project.

All attached for your review.

Footleg

15/2/2024

Permit received

[0733 Vallina](#) 16/2/2024

Pdf received from Vicente re the 2023 explorations. There appears to be about 1.5km of new passage (surveyed). Survex data and drawings to come. Communication via WhatsApp which also has 3 short videos and a photo showing the tops of the Novadome and Tocadome and a section of the climb up the Tocadome. ([YouTube](#))

17/2/2024 🙏 [#0107](#)

Following info from a WhatsApp Chat set up by James re Hoyuca - Rocky Horror - Trident
(Copied rather than screen shot to remove mobile numbers)

Juan Corrin 19/6/2023

As you pop out of SBI into Rocky Horror, I remember sitting on a slope looking more or less across the passage. The inlet was an aven / high-up passage which merited putting on the survey. 1980 photo team photo in the 'scanned slides in Las Playas to Rocky Horror' in 0107 description shows us tucked up against the S wall.

James Carlisle 19/6/2023

I wonder if that's the aven that we spotted right at the start of Rocky Horror up on the left between where Shrimp Bone enters and then drops down and leaves towards the other end of Duckham's sump (on the route to Hoyuca etc.). I think we spotted that one and possibly Alex and Chris had a look up it and said it looked like a small passage came in at the top. I might be wrong, though, but if I'm not, then the inlet marked as coming in on the South on that sketch must be something different.

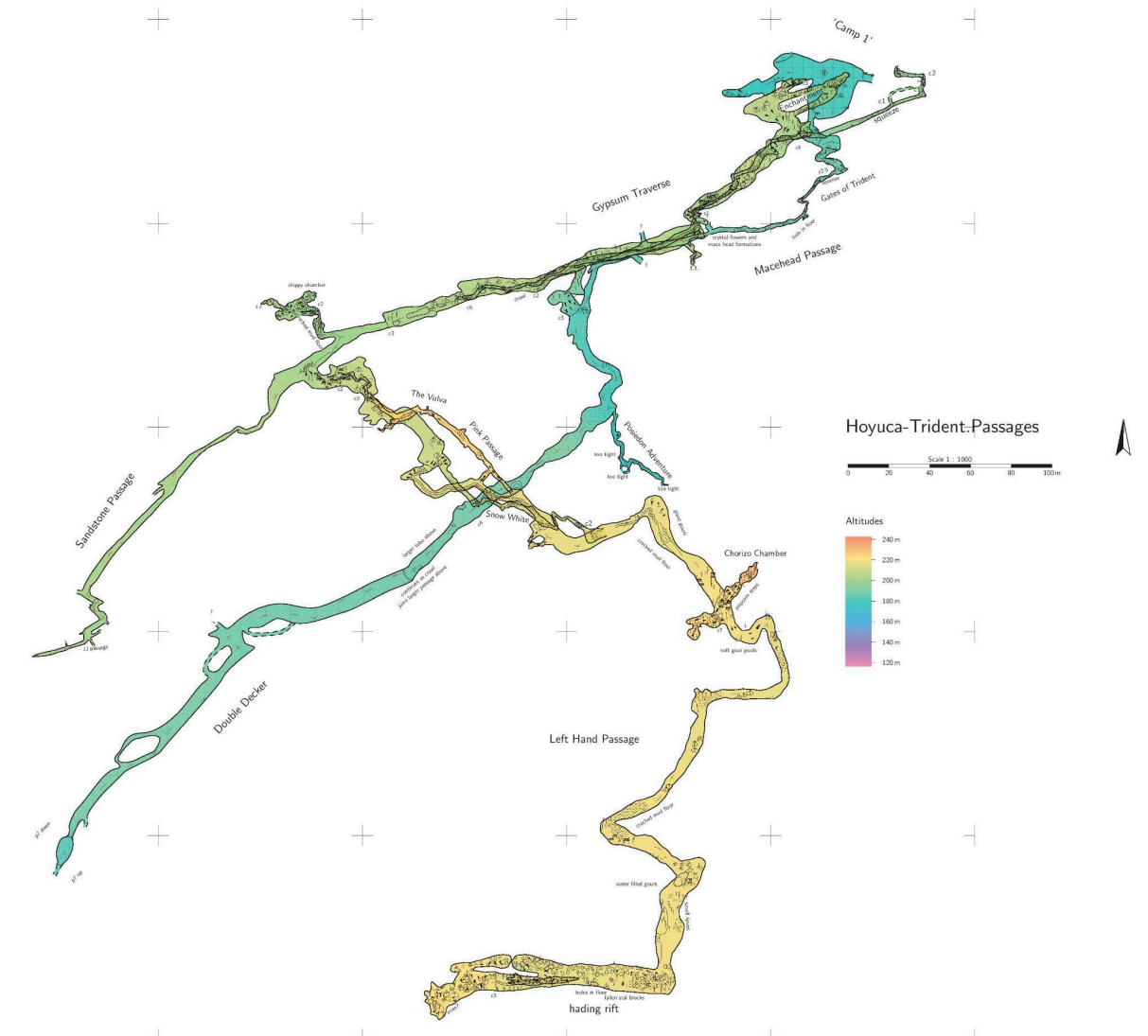
Juan Corrin 20/1/2023

The 0107 Trident description has been updated with my understanding of the logbook entries. But it can only improve with a fuller description later!

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Simon Cornhill 4/2/2024

Hi everyone, the Trident survey is almost complete. Let me know what you think and if any alterations are needed. The Double Decker and Sandstone passages are constructed from the original explorers notes as we had no intention of entering these, so we don't know if they are correct. Enjoy! (Survey on next page)



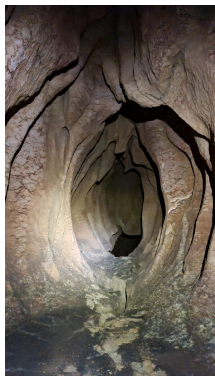
Chris Scaife 4/2/2024

Brilliant!

I thought we'd come up with a good passage name, Poseidon Adventure, but it's been trumped by The Vulva.

James Carlisle 4/2/2023

That looks amazing! Have those 'holes in floor' at the bitter end all been descended?



Simon Cornhill 4/2/2024

TBH 'the reach around' is my favourite passage name, although not Trident!

If the 'bitter end' you are referring to is the end of Left Hand passage, then yes all free climbable. However, I suspect the forthcoming movie will demonstrate a trip to the end is well worthwhile and check them out for yourself...

Simon Cornhill 4/2/2024

The Vulva!

Simon Cornhill 11/2/2024

Hi, I was checking the logbooks from the summer to see if I can add any more detail to the Trident resurvey. I can only find accounts of folk reaching the top of the pitch down at the end of Double Decker (middle) and climbing into Gypsum Traverse.

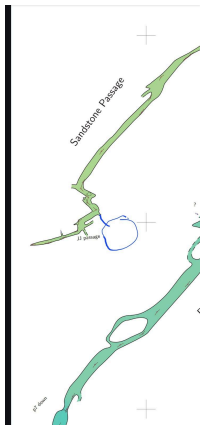
- 1) Did the climb and passage at the end of Double Decker get pushed?
- 2) Did anyone have a look round Sandstone Passage?
- 3) I recall Dave0 being impressed with an aven somewhere, where was this & any idea of its size?

James Carlisle 11/2/2024

1. No, we didn't drop the down pitch before the climb up (no rope).
2. Yes, we had a trip to the end. Didn't find much...
3. ... except for a dig that Chris and Dave mainly did that went to a pitch into a bigish chamber that we didn't drop. It's possible that the chamber is blind, but we couldn't tell with any certainty. (See location below)

Simon Cornhill 11/2/2024

- 1) = interesting
- 3) was this around the end of Sandstone passage somewhere?



Dave Ottewell 11/2/2024

Hmm, the end felt like it definitely warrants a more detailed look. There was the final cobble boulder choke which would be very interesting to see where it related to on the surface. There was the previously un-entered chamber that needs to be looked at. Finally there was the massive aven in perfect black limestone that we forgot to shine the disto up, the rising boulder choke that I climbed up into and it just keeps going and for the very keen there was the downward over tight slot (linked to the awkward crawl under the aven chamber) that takes all of the water from the aven and you can hear falling water into some form of chamber. Not a bad not finding much haul for a 1st mooch around really. More investigation required. (Just re-read my message and apologies for slightly garbled nature - I need sleep.)

James Carlisle 11/2/2024

3 was here

Chris Scaife 11/2/2024

I agree entirely with Dave and James.

Simon Cornhill 17/2/2024

'...massive aven in perfect black limestone...' If you Dave0 or anyone else on this chat isn't keen on climbing this then we would be curious to take a look at it whenever we next visit the Trident area.

Dave Ottewell 17/2/2024

Fill your boots. I'm also very happy to follow / assist if required. Also check out the rising boulder choke and slot where the water goes and I could rattle off stones (the ones that didn't land on James in the crawl below anyway). The final cobble choke is also very interesting. I left the unentered chamber pretty much ready to enter. With a small amount of extra digging it will be a path. Helen and I will be at the meeting tonight if you are there.

Simon Cornhill 17/2/2024

Having now put a couple of trips into Trident we recorded the timings which you may find useful if planning a trip there. Averages for two moderately laden cavers not sightseeing on the way were:

Bar German to entrance=40 mins

Entrance to bottom of grand slam=40 mins

Bottom of GS to 'camp 1'=60 mins

Camp 1 to Sandstone passage/LH passage junction=15 mins

And the same for the return journey. So around 5 ish hours minimum for a round trip, for two moving fairly quickly and not really stopping.

17/2/2024 shaft 5162

Videos and pics received from Simon.

MATIENZO CAVES PROJECT