

LOGBOOK

Year: 2019

Season: summer

Logbook pages scanned to jpg then combined into a pdf file using <http://smallpdf.com/>

Juan Corrin, September 2019

①
SUMMER 2019

Peter Smith

July 4. Near site 0150

4974

451854 4796625 366m. A 3m pitch to a small chamber and slope to second 3m pitch and choke. Plenty of calcite but no outstanding formations. Surveyed and photographed.

12th July. Pete into Corcador with Guy Patrick and Sandrine (0780). Survey batch

2019-01 in 0780-svx file, but problems with orientation and pitch area?

About ^{52.7m} 60m surveyed after almost opening up route to head of pitch in Active Route.

Pete later altered readings to back bearings which Patrick agreed was correct. ✓

From: Peter Smith <smith_peter2004@yahoo.es>

To: Juan Corrin <uzueka@aol.com>

Subject: 0723

Date: Tue, Jul 16, 2019 8:52 pm

Hello Juan

Here's something for the log book with this afternoon's jaunt on the hill around site 0723.

Cheers

16 July: 0723 and possibly the original (0723)

According to the description of this site there is some discrepancy between the original and second descriptions. Here's a third effort.

In the shakehole with the entrance covered with slabs, the drop is about 2m to a passage sloping down to the bottom of a pitch from a second entrance in the same shakehole. At the bottom on the left, a crawl that needs some stones removing enters a small chamber. No draught or echo.

Slightly lower down the hillside at 451568 4797127 245m, a wide entrance leads to a cave that after only about 4m reaches a narrow flowstone slot upwards to a second small entrance.

4995



19th July 2019 Juan and Penny

Up behind La Colina to check out positions and photos of the Entrambascuetos cave and shaft and investigate new site.

Parked just past the cattle grid at the base of the 0858 valley. Walked up the new logging track, taking the right fork to join the old cow track up past the caves in the cliff.

Juan photo'd and checked out the position of **Sima de Entrambascuetos (0382)** which has a spindly tree in the entrance and a large rock on a pedestal nearby. Then logged the position of **0381, Cueva de Entrambascuetos**. (Carlos Lemoile Martinez had emailed (June 26th in Spring/Whit logbook) to say that the entrance photos showing on 0382 should have been on 0381. The trees above the entrance to 0381 had fallen in along with blocks making access down into the cave rather more tricky).

GPS for 0381 30T 0453472,4796604 517m

GPS for 0382 30T 0453479,4796599 512m

(Presumably, the positions for **1092** and **3553** should be altered in sympathy)

Walked up the hill to the east to find a draughting cave that Carlos had found below Cueva del Espino (0489) and above the pine trees. His excellent photo of a shrub, tree and cliff edge took us straight to the obscure hole (site 4994). A 5 minute dig allowed a head and shoulders inspection - stones roll down a shallow slope to the left. The floor needs digging out to follow the cool draught.

Took the northern route back - slightly up the slope to the north past the pasture and a drop down to a new logging track which took us straight back to the car, pausing to take a photo at the entrance to **site 0896**.

GPS for 4994 30T 0453965,4796555 556m



25/7/2019 Reñada Itchy Crutch area
Phil P + Peter S

Aim to climb up to boulder slope in chamber
pass - 138m pitch from 1471. Early start (for us)
at 11am. Uneventful trip to Itchy Crutch, here
we found our memory was not very good! But
we found climb. Put in two bolts for e-riers
to avoid possible loose boulders. Above is
large chamber full of ~~boulders~~ boulders of house
size, climb something above, but no way in from
here. Pete climbed small passage to get to
roof (boulder) level - no go. Surveyed one
0043-2019-4 - 46m from SC 28/12/2001 SC 3
after checked out Bootlace passage & confirmed
ropes in place above 2-soups chamber, rope up
has cone showing but can start climb above this
section.

25/7/19 207 Fuente de la Cueva
Si & Di

Straight off the ferry to a pot hole...
checked out the ~~left~~ hand draughting
passage to the end. (sims)
Unless your name is Albert you won't fit in.
A fin of rock needs capping out at the
calced slope. Dig sufficiently to
squeeze through to see the continuing
passage - 4 metres length x 1m high
with top tight on the shoulders.
The draught was coming from a 30cm Ø
hole on the left before the continuing
squeeze. Wet & muddy on our 1st day.
nice :-)

4878

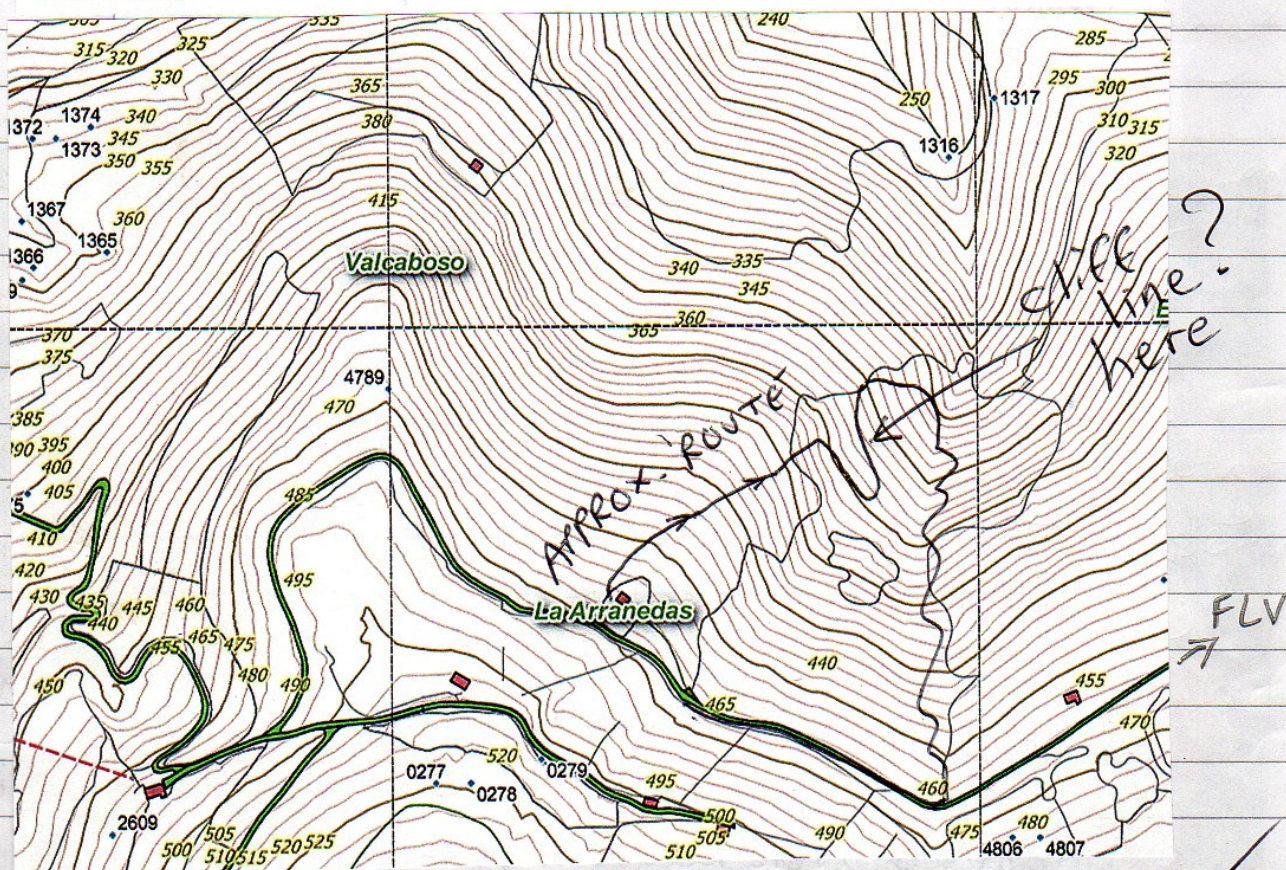
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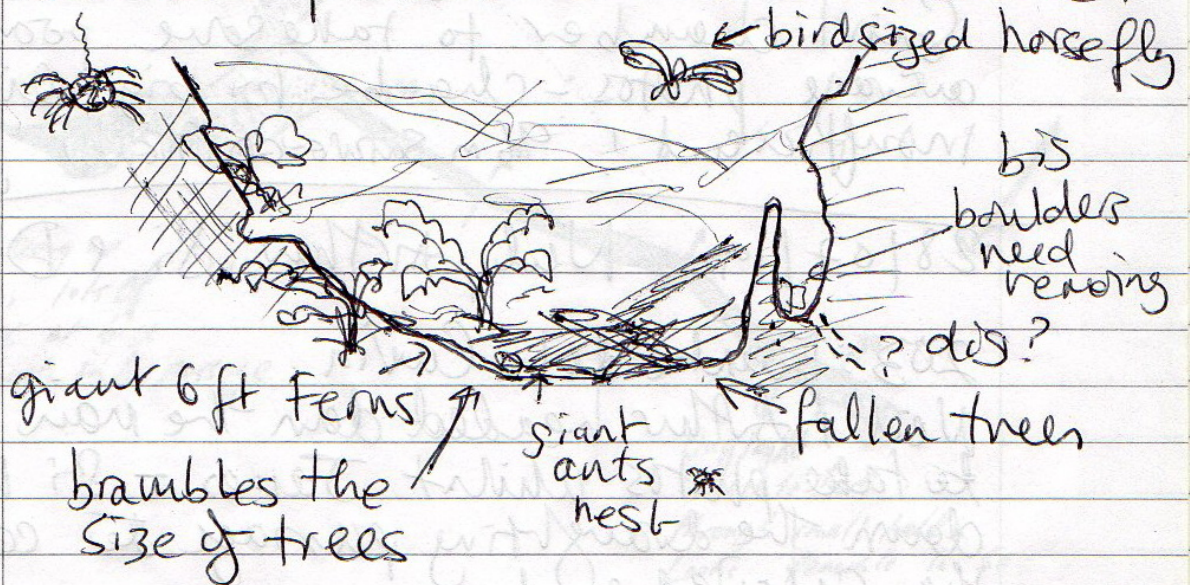


26 July Si & Di 13/9

huge impressive depression. just like the King Kong remake film. Swinging on vines, climbing over fallen trees, skirting round life ferns, expecting giant sized insects to attack us at any moment.

(5)

Battled our way to the second depression
Found a pocket in the limestone.



A 30 cm ϕ hole in the bottom of the pit, boulder rolled 2 or so metres.

28/7/19 Tran to the Jones' dig at the base of
a shaft 4889 above 0207. The scramble down
into the hole seemed well vegetated so didn't
go down. (site) (Photos). Walnut tree in shaft.

Tiny resurgence above water trough seen to
the west @ 3070450823 4799434. Passage is
blocked 1m in. (Photo) (4996) $\uparrow$ 25-9m

27/7/19 Vallina 733
Rupe, Si & Di

Surveyed the new section that Rupe
discovered whilst taking a break from
diving

Torken's Aren at the end of FN passage
35m up the aren to the traverse and
down Star Zarcos shaft. Met up with

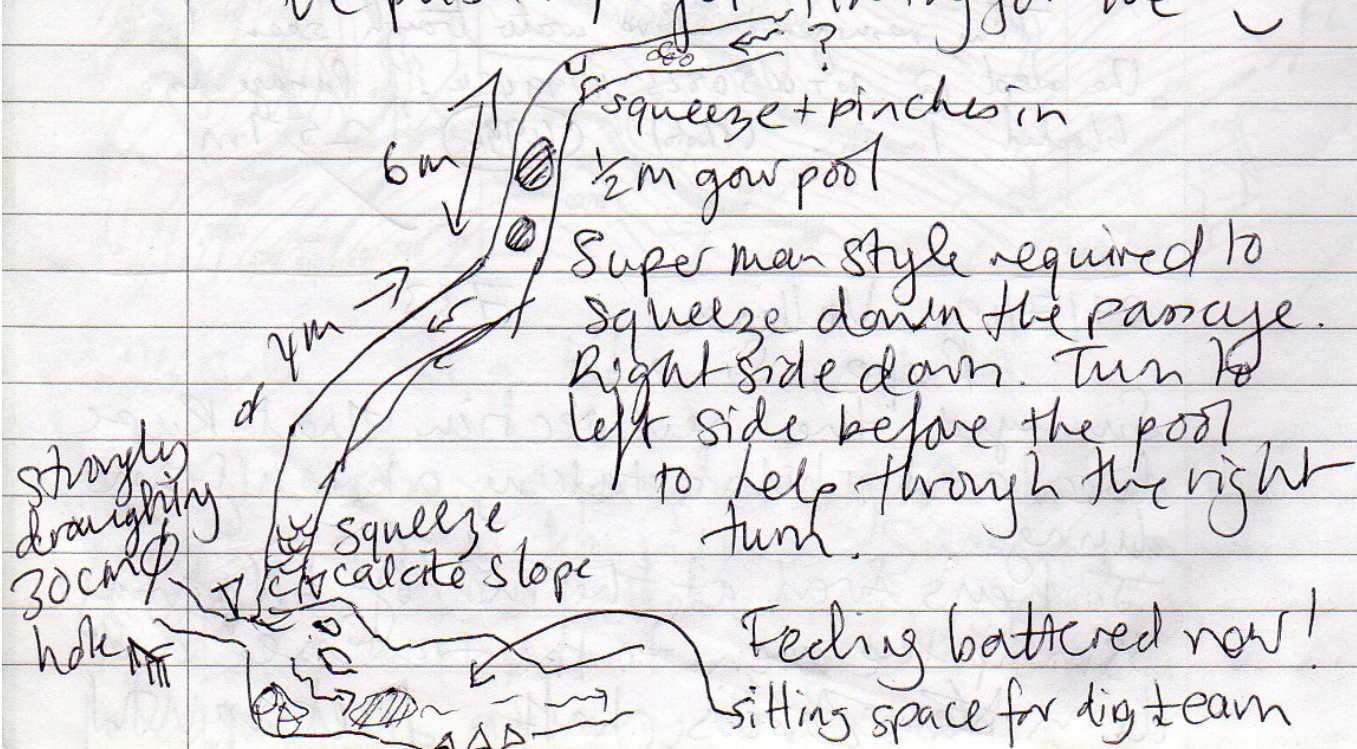
(atm survey)
Neil Rummy & Arthur Vane on our
exit so turned around at headed up to
Snirl chamber to take some poor-to-
average photos - chamber too big lighting
insufficient! 96m SURVEYED (New!) ✓

28/07/19 Neil, Arthur, Si & Di, James

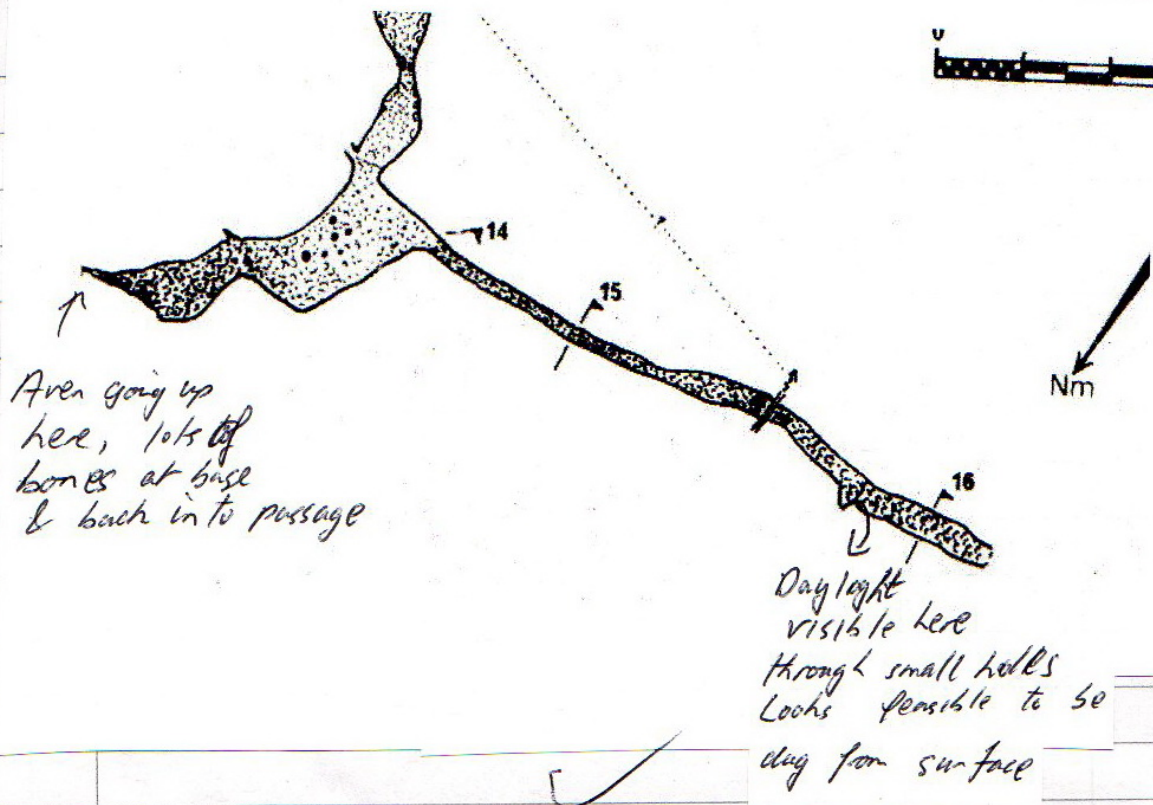
203: Fuente de la Cueva.

Neil + Arthur headed down the main passage
to take photos whilst James & Si headed
down the draughting passage to cap the
the calcified end.

I dug out the entrance to add a step
to the slope out then joined. Neil &
Arthur in the main passage until I
realised I had both James' + Si's
thermals so headed up to the dig.
Found ~~to~~ them both shivering having
just completed the final capping before
the push. Perfect timing for me :)



7



From: Phil Goodwin <philcygoodwin@gmail.com>

To: Phil Papard <Papard@easynet.co.uk>; Juan Corrin <uzueka@aol.com>

Subject: servex of mines

Date: Sun, Jul 28, 2019 9:05 pm

Attachments: old-new-mines.svx (3K)

1561

and scenarios/mina favorita

Hi,

Enclosed is servex data for the two mines linked together. The plans are internally accurate. The only slight doubt is the location which I have taken from the website. My position might not quite match it. I would like to check next time I am out. The height is accurate and taken from accurate printed figures.

Hope it is useful

Cheers Phil

29th July 2019 Juan

Preliminary look for possible surface sub-phone for underground "connection".

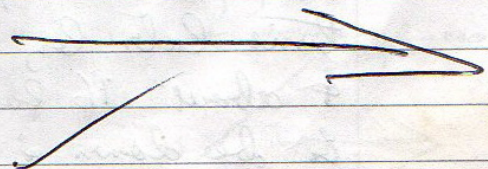
Easy access up old tracks to within 15m of possible sub-phone point between Torno Inlet (0105) and the low level "Getting There" in Cold Store cave – the point is in impenetrable jungle.

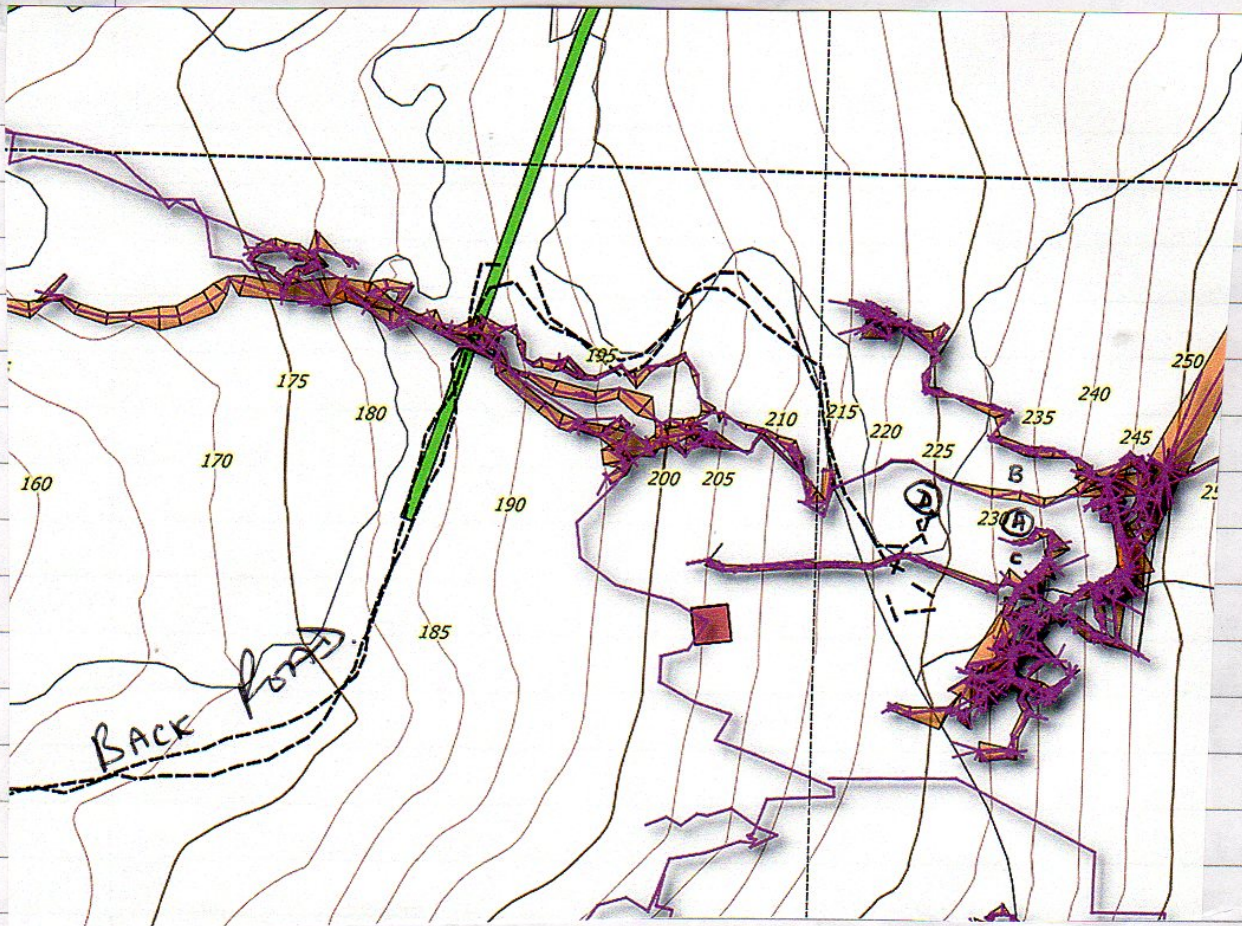
A Overhead Sub-phone point equi-distant from 0105 & 3234: 0452046 4800420 altitude 233m

B Due north underground in 0105: 0452046 4800426 altitude 134m

C Due south underground in 3234: 0452046 4800416 (stn 19-02.12) altitude 131m

D Due west is field / jungle boundary and probable sub-phone point at 0452030 4800420 altitude 225m. To the N : closer to 0105. To the S : closer to 3234





From: Phil Goodwin <philcygoodwin@gmail.com>

To: Juan Corrin <uzueka@aol.com>

Subject: Re: servex of mines

Date: Mon, Jul 29, 2019 1:30 pm

Hi Juan,

Thanks for the feedback. I concentrated on getting an accurate plan quickly.

There are spot heights marked, for instance, the furthest point in the old mine is ten metres lower than the entrance. For various reasons I only used our new data from the top of pozo 8 (station 30).

When I get time I will calculate some average gradients between spot heights and this should give a reasonable representation. I will include our other data then but it will not be soon.

Talking of spot heights I have just realised that I have calculated the vertical at station 22 from a spot height and not from the entrance height. The deep mine should be 3 metres lower. In absolute terms it is 70 metres above sea level to the nearest metre.

Incidentally I cannot download your 3-d file. Do you think I might need a newer version of Aven?

Cheers Phil

1561

29/7/2019 Two and a half fat ladies 880
Patrick, Phil P & Peter S

Patrick went up on solo digging followed some time later by Phil & Peter. Phil 'capped' boulder & about 16 bags of spail removed. Way on seems to be down & ahead - still no draught or void!

29/7/2019 2522 Dig OCC (Nigel, Billy, Peter & Dave)
Set up site for dig on following day - site as it was
left - lost - gear.

30/7/2019 2522 Dig OCC (Nigel, Billy, Peter, Dave & Phil)
Digging down, lot of spoil removed. The refs seen
lost gear pinch in as you dig down, way on seems
to be down in pot in floor. Photo & Video later.

OCC may put in one more day at site this year

29/7/19 105/3234 Surface area Juan & Phil
Set up Sub Phone & got communication with
105 team exactly on time at 11-45, tone
& voice very weak (strength 1/2), due to depth
& not able to get above site - tone was good
enough if we wanted to locate. Told team in
105 to move to link with 3234 team.
Later moved to west near "Holiday House"
& could just hear tone & voice of the 105
team communicating with the 3234 team.
Then we left v/g teams to their work &
returned to Matienzo.

30/7/19 Juan. ^{for Carina (0207)}
Entered all data from 1980 into Survey to find
that De Ostrich Entrance was in a field w/ on
the hillside. Went to Píano for GPS position.

0207 Entrance (adjusted from GPS) is now @ 0451386 4799619
Photos.

Continued on track up hill to meet logging track.
A number of water pipes partly buried suggest resurgences
in the heavily vegetated valley.

On QGIS see GPS tracks/2019-07-30



31st July Patrick & Juan

Up to site 4994 and dug out the slightly draughting entrance to allow Juan to slide down flat-out into a sit-up chamber. Slope continued down through small hole into area of pockets and rubble. Stones go nowhere and there was no echo although the draught did come up from below.

Length about 6m. The whole cave is developed in the grainy white and pink material that weathers to grey. Calcite covers the walls in the cave. Not promising. (Photos and video)

Sketch:



30 July 2019 Torben, Peter S., Louise 3234

Left the girls home alone. Just before entering the cave the girls called - "We cannot open the Nutella!". We guided them through the process and they succeeded and we proceeded underground.... Smooth travel to the connection area. Set up subphone - and heard voices - HALLO HALLO - where did the sound come from? Up the slope? No. From where Torben was. Yes. But Torben said the voices came from up the slope.... "The voices come from up here" Peter noticed and climbed up a small tube in the roof. Yes, yes, there was clear voice connection. We had no digging tools, so the Riano team started digging. Peter went back to the rope of p24 to search for ^{bigger} connection, I climbed up in the small tube and talked to Di. While slightly changing position I noticed a small 2x2 cm hole through which I could clearly see Di's light! Soon after Di and I touched fingers and the connection was made. Reminded me of the famous Michael Angelo painting! Torben came back after surveying (batch 3234-19-03), 24, 36 meters in the low wet crawl. He then carried on digging

with the digging tools passed through the small connection hole. Peter and I slowly started our journey out of the cave while Torben and Riano-team made the connection big enough for man-sized people to pass. Great day underground and once again confirmed: Caving is pure therapy for the body, mind and spirit!! Back at the house, Hilary and Phil had taken good care of the girls (thank you so much 😊) and there was still some Nutella left.....

Louise

July 30th, 2019

Diane Arthurs, Simon Cornhill, James Carlisle, Neil Runney and Arthur Vause. Site ~~207~~ ~ Riaño
105

Full on synchronization of watches to embark on connecting Riaño and Llanio. Our team headed directly to the hoped for connection. The entrance series wasn't as bad as what I had heard and the main stream section was incredible. Beautiful holes in the floor of the passage ready to give the unwary a nice bath! After arriving at Torno Inlet we made quick progress setting up the molephone and at noon we made contact with Phil Pappard and Juan Corrin. Magnificent. James disappeared up the sandy crawls and aven round by Di and Simon the day before. I took some photos of the molephone set up. The molephone then made contact with Llanio and Torben. James began shouting in the aven and we (Arthur, James, and I) thought we could hear voices! Di then joined James in the aven and also started to look for possible holes through

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Llanio. There is a squeeze into the aven and was quite tight before it was beaten into submission, although it will still limit folks of larger proportions unless you have the anatomy of an octopus. At some point getting in the aven a vocal connection was made with Llanio. Initially it was believed the connection was higher in the aven, but it became apparent that the connection most likely existed at the base. Di was able to crawl flat out into the connection and began excavating rock on the right of the bedding. However, further communication with Louise then led us to turn our attention to the left-hand side of the bedding. With a connection imminent Simon and James took on slurry mining in the increasingly muddy gravel. Torben had omitted (?) to bring digging equipment, so the work was mostly done from Diaño. About 1 1/2 hours of digging led to finger connections with Di and Louise followed by a handshake between Torben and James. Not long after James tried to force himself through the birth canal and had to be pulled back! A little more widening led to Torben making the historic passage into Diaño from Llanio! Success! I have to say that I feel incredibly lucky to have been present for this connection and glad to have been able to record it digitally!

Neil Runnery

✓

July 31st 2019: Bravo 105 Di Arthurs, Si Conhill
James Cahill.

Went back in to survey the connection and to Llarro & the passages nearby ~~previously~~ entered by Si & R previously. In order to tie it in with R had to start the survey much further back than the new stuff, near the start of Torro Inlet. Meanwhile, I went for a walk along the Crabwalk as far as the 'pinch at air bath' as the survey. This passage was extremely tedious!

We pushed the side sandy passage first entered by Simon. This was a sandy swim to a junction left ~~that~~ led through more sandy ^(Crystal Needle passage) swims until a 3 way junction was met. Left here copped out. Straight ahead rejoined the top of the main passage, about 6m up in the ceiling. Right went up ~~the steep~~ the ~~steeply~~ steep, but well decorated, Spiral Ramp. This had some very int. distinctive marbling brick-like structure.

Eventually the passage dropped back into the sandy Sandy Swims, close to the entrance. All the leads in this section have now been looked at.

We then surveyed the connection to Llarro, then called it a day.

30 July 2019 Pat D + Jonathan & Albert Sims.

880 2 1/2 Fat Ladies. Continued digging.

Removed 24 bags from end. Albert doing sterling work, Lead first, upside down at the face (two sessions). Continues down with left hand wall solid. Still no draught although the air stays clear.

1ST AUGUST

~~31ST JULY~~

2889 - VACA VIA BIKINOT CAVE
SI, DE, Tom HOWARD, NEIL RUMNEY, ARTUR VARGA

DNICE TRIP TO PHOTOGRAPH THE GYPSUM CRYSTALS
IN KENDAL MINT COVE. ON THE WAY WE DROPPED THE
PIT AT THE END OF THE HELL M & LLOYD TRAVERSE -
AROUND 20M DEEP AND BLIND AT THE BOTTOM. ✓

3rd Aug 2019. 4793 & 4794. RB.

Added 4793 to the survey drawing of 4794 since these
are so close together & 4793 insignificant a cave for a
stand-alone survey. Saved svg & pdf files '4793&4794'
to the surveys working folder of both caves. ✓

2nd AUGUST 2019

Site 713

capping kit and survey equipment
taken to the choke. Just passed
the Hippodrome in "S J" passage
behind sump 5B.

Stage cylinder lost a sump 1,
Time to present limit of exploration
5 hours 30 mins, many thanks
to Big Steve for the carry.

Will cap choke on next trip due
to damp capps not working.

Neil R & Arturo (4997) ↑ 333m
2nd Aug 2019 New entrance found between
4716 & 4717. New entrance 10-15m
30T 449569 4795934. Draughting hole
at base of small cliff; needs enlarging to

enter. Similar to 4716 (before enlargement)
in feel. Photos ~~on~~ in 4997

~~2019 / summer - 2019 / 02-18-2019 ARK new entrance~~
ARK ✓

2ND AUGUST 4716 Di, SE, NEIL, DETHW

WHILST WANDERING AROUND THE HILLSIDE BELOW
BOSQUE WE STUMBLED UPON 4716 & DECIDED TO
HAVE A GO. NEIL RUMNEY SUCCESSFULLY COMPLETED
HIS NVQ IN CAPPING AND OPENED UP THE ENTRANCE
INTO A TIGHT TURT DROWNED 6m DEEP. THIS
LED ON A SLOPE OF GRASS, UP THE SLOPE INTO THE HILL
A FURTHER DROP OF 3m CHOKED WHILST AT THE BASE OF THE
SLOPE THE DRAMA TUNDS COMING PAST 2 VERY LARGE
SANDSTONE BLOCKS THAT NEEDED DISPATCHING. ✓

Also photos of 4717.

3RD AUGUST Di & SE

ATTEMPT TO FIND 101 & 229.
Due to cliff + vegetation ✓

4th August Si + Di Draught checks.
Visited Riño: 105 - very strong draught
Fuente Cuña: 207 - strong draught.

Went to look at entrance of Torconde Riño
: 106. Climbed into the entrance to admire
the deep shaft. Will return to investigate
the side passages down the shaft.

From: Rupert S <r.skorupka@btinternet.com>

To: Juan Corrin <uzueka@aol.com>

Subject: July trips

Date: Fri, Aug 2, 2019 2:33 pm

Hi Juan

here is a summary of what I did in July.

DOWNSTREAM VALLINA PROJECT

Two trips were made to Spain in July to continue work on the above project, with the aim of pushing out the line in Sump 6 using a rebreather and camping in the cave between sumps.

Conditions in the sumps were usually very good with low water and 10 metre plus visibility. For a lot of the time, though, there was instability in the weather, with heat waves and destructive storms dumping huge amounts of rain in very short times. The threat of this type of weather caused me to hold back on a lot of occasions although the heavy rain didn't actually affect the water levels that much.

The first trip was mainly to assemble the RB, check it was functioning after nearly 2 years in the cave, get it down to sump 6 and test dive it. Also, to see if it was worth camping between dives.

The RB had been considerably modified to make it lighter and modular, so it could be split into easy loads. This made it different to dive, eg. on the first dive I discovered I had no D-rings to clip bailout bottles to, as these had been on the inflation device harness, now removed from the set-up. Only a short dive in the start of the sump was therefore possible.

Camping was ruled out mainly because of the noise, the stream is really loud here, and general level of discomfort. It was found to be possible to exit from the bivi area, unladen, in about 3 hours, so one day trips became the norm. The bivi gear is still useful as an emergency refuge, and for a rest and meal before setting off out of the cave.

I had hoped to test my drysuit, but being unable to dive very far, it wasn't possible to discover the problems that it would later present.

On the second visit I got into sump 6 and used my sidemount harness worn under the RB to mount the bailout bottles. Over 3 dives I visited the elbow of the sump and had to modify my weighting and trim and sort out several small issues with the RB. The main problem was with my drysuit, which had developed a leaky neckseal and a torn wrist seal, both of which were bodged using seals cut from Julie's swimming wetsuit (now a shortie). However, it wasn't practical or safe to continue on this basis, so I next prepared my kit for a drysuit exchange, where I would swap my faulty suit for a new one (in August), diving one in and changing into the old one before diving that out.

In addition, on this trip, the following was achieved,

1. carried in full bailout cylinders of 7 and 10 litre for future use.
2. carried in absorbent for dives in August.
3. experimented with the methods of changing the scrubber material at the dive base.

Next installment: August, hopefully a new drysuit, more dives, and then everything will be stripped down, cleaned, dried and stowed away for the winter or brought out.

If anyone is available on Wednesday 21st August, who would be able to give me a chuck with a bag containing a wetsuit, to the top of the pitches, this would be a help, as I will be carrying my drysuit and drygear. They will need to know the way out as I will be gone for ages.

Rupert

✓

4 AUGUST 2019, SITE 713
 PASSAGE CAPPED, TO AVOID CLIMBING
 UP LOSE SIDES TO 6 METERS TO
 WHERE PASSAGE IS WIDE ENOUGH
 TO PASS, YOU CAN NOW PASS
 AT STREAM LEVEL.

CHOICE AT THE HIPPODROME
 CAPPED STILL NEEDS MORE WORK.
 DRAFTING
 JIM (11.17) TRIP TIME ✓

4TH AUGUST 2019 - SHAFES ABOVE FERNADO - TOM HOWARD
 DAVE DILLON
 RICHARD BULLOCK.

UPDATES TO SITE NOTES:-

3201 - UNABLE TO LOCATE DUE TO UNDERGROWTH. SUSPECT
 IT IS WHERE THE FARMER HAS DUMPED RUBBISH.

3202 - EXCAVED SHAKEHOLE TO NO AVAIL - NOTHING FOUND
 OF INTEREST OR WORTHY OF TIME.

3205 - SEARCHED ENTIRETH TO NO AVAIL.

3206 - NOT A SHAF! SEARCHED FULL AREA OF
 TREES TO FIND ONLY BLIND SHAKEHOLES. ✓

PTD

2nd August 2019 - 0844 - FRESNADO 2 - TOM HOWARD

JAMES CARLISE.

A TRIP TO THE FURTHER REACHES IN ORDER TO BOLT 'A BIT ON THE SIDE'. CLIMBED THE AVEN USING AROUND 10 BOLTS ENTERING A LARGE CHAMBER. TO THE RIGHT SEEMED TO BE A PASSAGE OF BOULDERS WHILST ABOVE. IS A LARGE OPENING DIRECTLY ABOVE THE AVEN WE ENTERED BY. TO THE LEFT IS A POSSIBLE PASSAGE BUT A TRAVERSE LINE IS NEEDED TO ACCESS. STRONG DRAUGHT BUT UNABLE TO LOCATE ORIGIN.

A RETURN TRIP IS PLANNED TO SURVEY & PUSH ON TUESDAY SO WILL UPDATE THEN.

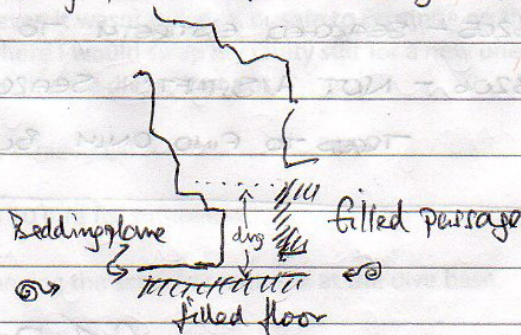
30/31 JULY ^{already in} and 2 AUGUST

DCC DIGGERS

(Nigel, Pete, Dave, Bill + help from Phil + Richard)

Digging at 2522 above end of Torno. Dug down about 3-4 metres below last dig in 2018. Followed pot hole down to a bedding plane roof. Draught from two sides.

Visible passage above fill. Might take quite a bit more digging.



3 AUGUST

Peter, Nigel, Bill, Dave

Quick forklift into Tiva, Gonzalo and Transformer. Photos taken of Tiva entrance. Gonzalo surveyed.

5 August 2019. PatD + Juan + Pedro.

880 2½ Fat Ladies.

Continued digging down & along/ahead at end. c40 bags of material (sand, clay, stones, small boulders) removed. Is much the same as previous trips. Agreed to continue down & along.

Easy digging with ≤ 3 people using rubble/sand sacks/bags rather than tray/bucket. ✓

5/8/19 Regato 3494 Tom James.

Went to push tight passage at end of live sewer below pitch and to dig the live streamway mentioned on the survey.

At ~~the farm~~ ~~the~~ ~~was~~ There was nowhere to park but we chatted to a nice man in a moped (Senor Regato). He let us park in front of his house and told us all about a ~~cave~~ he writes, and gave us postcards of Madrid that he had drawn.

He also mentioned something about caves from Cambridge University visiting his house for "a week every year". We suspect that something may have been lost in translation.

In the cave we investigated every nook and cranny below the pitch. I think that we were very thorough.

1. The tight passage to the south was pushed to a total choke. A hole in the roof at the first left hand bend brings in a powerful, cold draught. Not draughty further N.

2. Streamway down. On hole B to hole C dry downstream and fluke present progress upstream. Strong drought downstream, nothing upstream.

3. Several other low passages were pushed through. Outlets many of which had the same strong drought. No obvious single source of the drought was found.

Afterwards we went for a walk about through the woods behind the shakechub but didn't find anything new.

I fell badly and twisted my knee cap, so that was a miserable end to the trip! ✓

5/8/19 Si & Di Vallina 733

Continued surveying after botting the final section of Zorca's pitch.

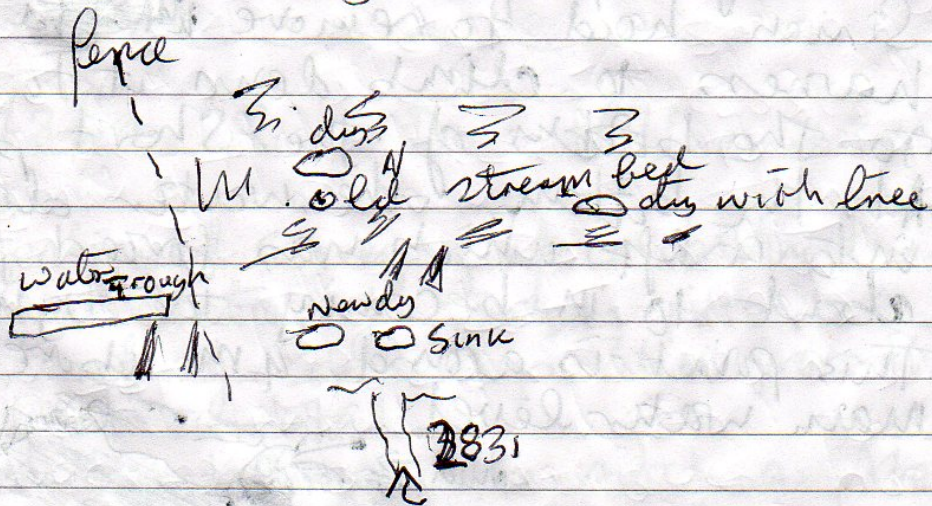
Length of Zorca's was 36 m from the ledge. 44 m in total.

At the bottom of the pitch another short pitch leads down to a traverse over two pits in the floor (good for holds to traverse). The first was dropped and ends too tight. Second full of sand. Continuing the traverse bends to the right leading to a further pitch.

→ forgot to mention the combined tactics required to drop the first pitch. I was familiar with this technique when Slim attached a ladder to my belt and positioned me behind a boulder so that he could climb down a 10 m shaft on the ladder. Today Si attached a rope to my belt - without a boulder to hide behind. It worked successfully. So... at the pitch Si returned to the big shaft (Zorco's) to remove 7m from the rope to drop down the next pitch which led to a further pitch but having run out of equipment and rope Si men had to remove ~~his~~ his harness to climb down it to get to the bottom of the Short pitch. At the bottom the water drained into a rift which was forced for about 10 m becoming too tight. This point is around 4m above the main water level.



5/8/2019 2831 Richard Nagel A, Billy, Dave, Petro C
 Aim was to dig the site & see if it is a real + Phil P
 prospect for a link to Fuente Aguana. The sink below
 the remnant that had been dug was clearly a massive
 dig as inside it was a mass of boulders with the
 drought coming up between them. A new dig was
 started 3m to the East. This has a small drought
 and may be a better spot - seems at present to
 have a solid rock wall with some stal on it.
 A further dig's dig would tell, but not a
 good prospect as we suspect it will just go
 to the boulders. While digging two sites were
 dug in old stream bed below, one has an old
 part of a tree in the entrance (Chair saw needed!) the
 other is at lower point. Both drought - But
 look to be a 'big dig' & probably in boulders



6/8/2019 4805 Petro S, Patrick & Phil P
 Put in re-bar to lock possible loose rocks
 together. 5 bars placed. As no movement
 when drilling (360 Drill) they look ok.

6/8/2019 0880 Petro/Patrick, Juan & Phil
 More digging in floor at end, some

more bones found. Dig at sand in roof above final dig point — seems to be some void 1½ m forward — needs investigating at next dig.

JIM.

Site 713, 6 August 2019, SJ, Hippodrome. Finally made it though the CHOKE that is located at the end of hippodrome chamber, Sarah Jean passage.

A tight squeeze through the vertical boulders now LEADS into a well proportioned PASSAGE, running at right angles to the PASSAGE LEADING IN. TURNING LEFT LEADS up a boulder slope to a CHOKE. TURNING ~~LEFT~~ ^{Right} LEADS to a downwards slope which ENDS? AT A CLAY FLOOR which needs FURTHER INVESTIGATION AROUND THE EDGES.

STRAIGHT ACROSS FROM THE BREAKTHROUGH POINT A PASSAGE CONTINUES UNDER THE WALL and STEEPLY DOWN A BOULDER SLOPE, A JUNCTION IS REACHED AND THE STREAM WAY CAN BE SEEN LEADING OFF ON THE RIGHT, THE LEFT PASSAGE WAS FOLLOWED AND A CHAMBER REACHED, AT THE FAR END OF THIS A 3m CLIMB UP IS AVOIDED BY A EXCAVATED CRAWL ON THE RIGHT,

A SMALL CHAMBER IS REACHED
AND IT IS HERE THAT THE CAVE
CHANGES ITS CHARACTER AND
BECOMES KNARLY WITH ROCK
PRECUSIONS AFTER TWIST AND BOUNDS
A SHORT FLAT OUT RESTRICTION
IS PASSED INTO A STOOPING
PASSAGE WHICH AFTER A SHORT
DISTANCE REACHES A CLIMB DOWN
ON LOSE SHARP ROCK TO A
CHAMBER, WITH A STREAM ENTRY
FROM THE LEFT, THIS IS PROBABLY
THE MAIN WAY ON $\downarrow$ BUT
ROCKS WOULD TO BE MOVED FOR
ACCESS, BUT THE UPSTREAM INLET
SHOULD BE WORTH IT. GOING
STRAIGHT AHEAD A SANDY PASSAGE
BEHIND Boulders CLOSER DOWN
AFTER 4 METRES TO THE RIGHT
GOING DOWN STREAM FOR
SEVERAL METERS A JUNCTION IS
MET, THE LEFT HAND IS AN
INLET AND LOOKS PROMISING BUT
CHART WOULD NEED TO BE
KNOCKED OF AT ONE POINT TO
ENABLE ACCESS, THE LEFT HAND
DOWN STREAM PASSAGE PASSES AN
ARROWD ARCH BEFORE ENDING
IN A LOW SUMP WHICH
PROBLY JOINS THE UNEXPLORED
PASSAGE DESCRIBED ON THE
LEFT ON THE WAY IN.
JIM LISTER ✓

6 Aug 2019

0084 CUEVA LAS COSAS

Richard B
Tom H.

Following on from survey work in 2017 by the DCC a return trip was made with DistoX's to try and better define the chamber shape, after a closure error was found in the original perimeter survey. Also a good chance to try at calibration underground.

The path to the entrance was well trampled with sawn off small trees and red/white tape marking the path and the turn in direction.

We set up on the sandy part of the chamber to begin calibration. After a couple of attempts got a reasonable calibration and set to work surveying the massive chamber. Mostly using the same survey stations as in 2017, took over 300 splays to define the ~~perimeter~~ chamber shape. Also took panoramic series of photos at each survey station to help drawing up.

Survey file updated in the surveys working folder.

Site 4599 tied into survey file both from surface survey and underground. Coordinates for 4599 need changing to ~~30T~~452862, 4797250, 411 192m to tie into 0084 survey, (assuming 0084 entrance coords are accurate).

Inkscape SVG file started using new data.

7 Aug 2019

4791

CUEVA DEL DISTO

Richard B.

Drew up survey from 2018. Saved SVG + PDF files in surveys working folder. ✓

Fuente de la Cueva 1:207

Si & Di

~~Wednesday 7th August.~~

Tuesday 6th August

Si dragged an extremely heavy bag into the draughting dig passage whilst I headed to the pretties to take a few selfies - delaying spending time in the dig passage as it is extremely cold. We'd borrowed 4 (-actually we had no intention of returning them so didn't borrow, were given) snappers from Phil.

I was expecting a big BOOM and a passage of smoke as I travelled along the squeeze but I could hear a tap, tap, tap, ~~zap~~ ^{zap} ~~zap~~ ^{zap}

Si had capped the obstruction getting into the draughting passage, ready to snapper as I arrived.

I provided hot chocolate and The Third battery then put on my balaclava and woolly gloves - it's extremely cold, especially if you get a little wet crawling in the trickle of water on the way up.

The capping was fairly productive - just takes ~~time~~ time but 2

snappers did very little - extremely disappointing! - Apart from the smoke - giving us a visual of how fast the draught travels. Wearing builders knee pads made the trip slightly more pleasant!

106 :: Torcon de Riano :: Si & Di
 Wednesday 7th August

I can't believe this was ^{initially} descended on ladders! 92 metres free hanging. Si eventually found the bolts, descended down, past the first passage to the second, approx 50m. Lassoed a very large stal and landed on the large ledge. Unfortunately the passage behind this closed down but an easy-ish traverse around the shaft to a potential passage on the opposite side can be done on the next visit. Along with checking the 1st potential passage by swinging into it on the way up. (this one is approx 15m down)

9/8/19 0874 Juan, Patrick, ~~Pete~~, Phil P & Dave + ^{rest} of OCC

GPS of entrance: 0453027 4798214

Should move 0513 downhill in sympathy? ✓

Dug & capped out - Very difficult rock to cap, Weed Snappers at next dig session.

9/8/19 0723

The crawl into the lower chamber was opened up, a few photos taken and the whole 'system' surveyed - 19m. ✓

3234 +

105

THURSDAY 8TH AUGUST 2019

Dr. Si, James

A TRIP THROUGH LLINDO SUBPHONE DIS THROUGH THE CONNECTION TO RANIO AND ONCE UP THE ROAD TO TERNIO, TO CHECK OUT THE POTENTIAL FOR A CONNECTION TO TERNIO, AND OUT VIA RANIO COMPLETING THE FIRST LLINDO-RANIO THROUGH TRIP.

A HOT AND SWEATY JOURNEY THROUGH LLINDO, WAST A GRAND CAVE! AS WE WERE DOING THE FIRST THROUGH TRIP THE FINAL PITCH IN LLINDO WAS LEFT WITH THE ROPE HANGING DOWN AND NOT COILED UP AT THE TOP. THE SOFT SNOW SHUFFLE / CRABWALK / ROAD TO TERNIO PROVED TO BE FAIRLY HARD WORK WITH HEAVY BAGS AND THE SCHOOL BOY ERROR EVEN IS INDEXED A BIT OF A WIGGLE TO GET UP IT.

Took the long way round to ~~Ammerite~~ the base of the 25m pitch, and rigged a pitch down into the streamway to get to the Ammerite Choke.

Si bolt and free-climbed the choke to drop a rope down, creating a pitch for James and myself to ascend.

Surveyed into the choke - we weren't quite at the top but found space between the boulders. A ^{very} strong draught coming between boulders with a lot of loose rocks directly above it which needed a significant amount of gardening if we were to progress up it. The stream could be seen at this point.

Continued climbing up into open spaces found another draughting hole and started to dig this. More exploration of this area required, not at the top of the rift so continuing bolt / free -

possible
~~Got to~~ Route out rigged the 4M
stream waterfall to cut out the long
section at the top of Schoolboy error.
Si removed the school boy error jaws
using plug and feathers making the
pitch down easier.

from the bottom of schoolboy error
it took us 1h40 to get back to the
car - making it for midnight, just
before James turned into bettered pumpkin!

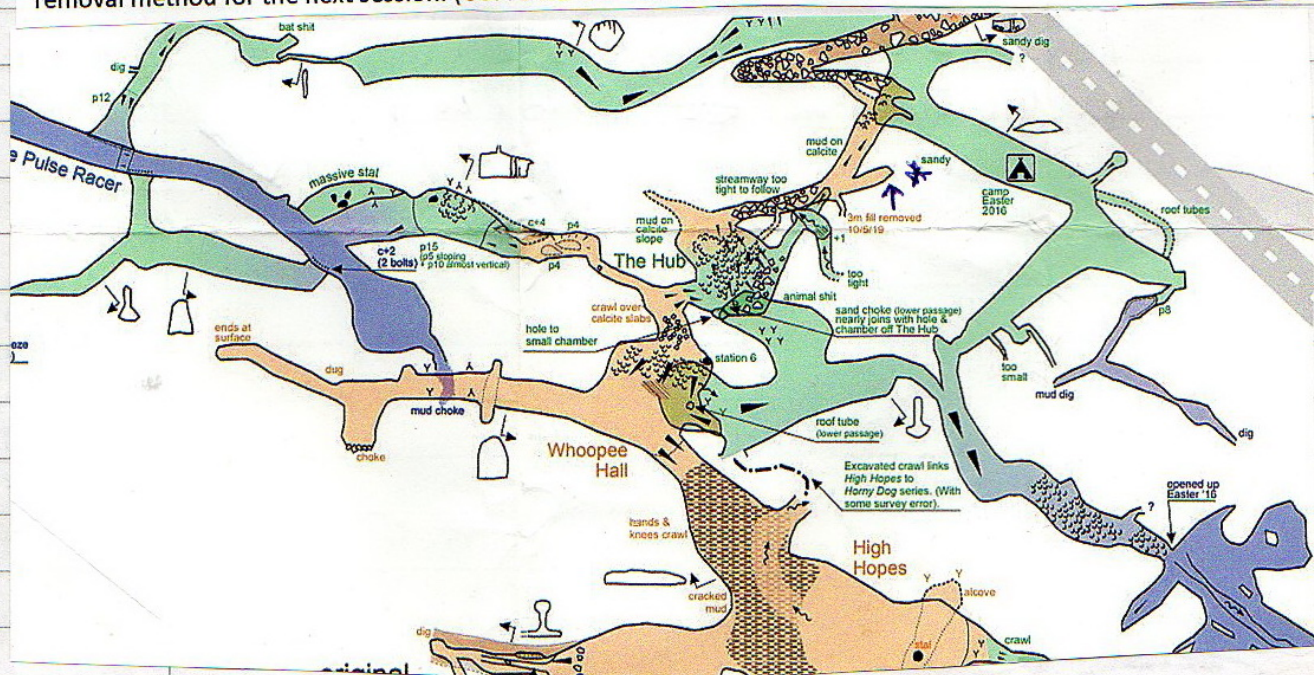
Friday 9th 2691 Giant Panda

Si + Di Quick trip to right entrance

10th August 2019 John Southworth, Patrick, Juan

To the draughting dig "20m from The Hub" in the 66.7km Four Valleys System, Cueva-Cubío del Llanío - old entrance, **site 3234**. Three hours spent at the 1.3m high, sand and clay face using flat plastic bags as the pull-back system. Very easy digging. Can see a few metres over the top on the left, past the small stal to a possible wall / turning but will require another couple of sessions to get to that point. Right hand wall may be closing in with a large flake to give less working space, but less material to remove.

There was no draught today (not a scorcher). Bags left in, but a large sliding tray and rope might be the best removal method for the next session. (GoPro video on file server.)



PS
JIM SITE 0713, AUGANAZ 8 AUGUST 2019
ENTRED CAVE AT 11.00 AM. APPROX
SWAM UP STREAM IN VERY LOW
WATER CONDITIONS, WATER CRYSTAL
CLEAR IN STREAMWAY AND SUMPS
SURVEYED NEW PASSAGE BEYOND
HIPPOROME CHOKE, AND THEN
REMOVED KIT TO "GM" AVEN
READY FOR BOIT/AID CLIMBING,
ON WAY OUT SMOEL MUST
SMEL ON APPROCH TO PORTARGE,
THEN ENCOUNTERED THICK GREEN
SLIME AND FROTH ON WATER
FALL FROM ^{WESTERN} INLET PASSAGE 21.00
APPROX BEFORE SUMP I, THE SMOEL
WAS VERY BAD AND THE WATER
WAS GREEN TO NEAR THE ENTRANCE
THE RIVER OUTSIDE WAS NOT
TO BAD, BUT BECAME BAD LATER.
JIM LISTA
180 METERS SURVIVED.

Edited video in ~~071~~ Summer 2019 / 0713 folder

Entrambasaguas busca al responsable de los repetidos vertidos de abono al río Aguanaz

ELENA
TRESGALLO



El suministro de agua potable sufrió ayer varios cortes a consecuencia de las tareas de limpieza del cauce y la conexión a la Autovía del Agua para garantizar el servicio

ENTRAMBASAGUAS. El municipio de Entrambasaguas está de nuevo en alerta por un vertido de abono en el río Aguanaz que abastece de agua potable a más de cinco mil habitantes, repartidos en siete núcleos de población en el ámbito rural. Es la segunda vez -en poco menos de dos meses- que la alcaldesa

del municipio, la popular María Jesús Susinos, se ha visto obligada a emitir un bando anunciando el corte de suministro ante «el grave problema de salud pública» que podría generar si el elemento contaminante, del que se desconoce aún el punto exacto de vertido, llega a las casas. De momento, se ha solicitado ayuda al Gobierno de Cantabria para la conexión puntual a la Autovía del Agua y garantizar así el suministro en las casas. No obstante, eso no evitó en la jornada de ayer viernes los cortes puntuales mientras se solucionaba el problema y se realiza la limpieza del cauce para volver a la normalidad cuanto antes.

«Por segunda vez en poco tiempo, alguien ha realizado un vertido de abono en el río Aguanaz, y debido a ello, y hasta que finalicen las labores de limpieza, el servicio de abastecimiento de agua podría verse afectado», explicaba ayer la regidora a éste periódico, añadiendo

que desde el Consistorio, en coordinación con el Servicio de Aguas del Gobierno de Cantabria, «estamos trabajando para que la situación se resuelva lo más rápidamente posible», insistió.

Susinos, no disimuló su enfado

LAS FRASES

María Jesús Susinos
Alcaldesa

«Es un problema muy serio, porque puede afectar a la salud de las personas»

«El vertido se ha podido hacer desde cualquier lugar; cualquiera que sepa algo que nos llame»



31
y «preocupación» por el asunto, ya que la acción irresponsable de alguna persona les ha puesto por segunda vez en alerta para garantizar el bienestar ciudadano. Al margen del problema sanitario, la regidora recordaba el trastorno que también supone para el municipio tener que engancharse a la Autovía del Agua debido a que esta infraestructura dispone en estos momentos de escaso suministro, por lo que el problema generado, en esta época del año, «cuando los consumos están al máximo de capacidad», también tiene sus complicaciones según resaltó Susinos.

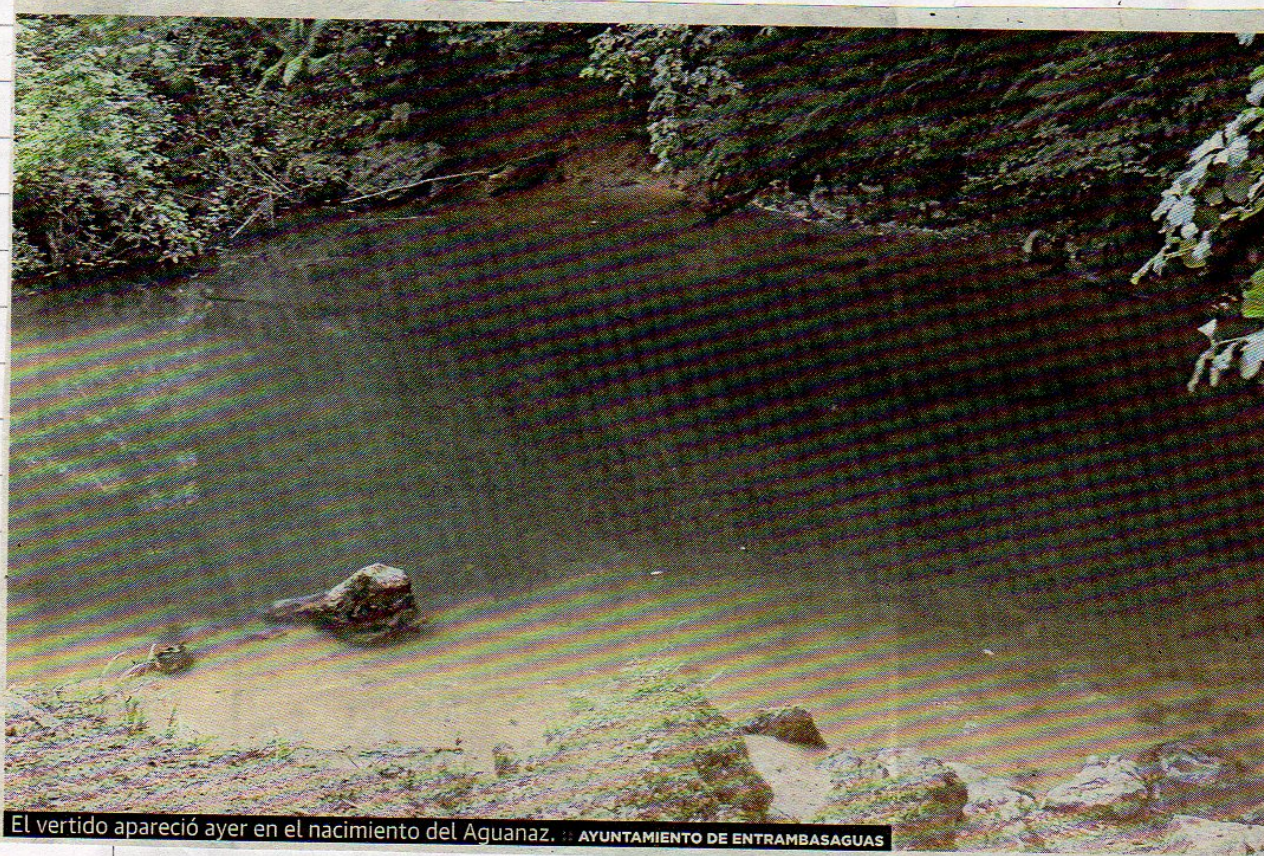
Encontrar al culpable

Desde el Ayuntamiento de Entrambasaguas se explicaba ayer que, tanto el Servicio de Protección de la Naturaleza (Seprona) de la Guardia Civil como los agentes de la Confederación Hidrográfica están in-

vestigando los hechos para localizar a él o los responsables de estos vertidos de abono. El de ayer viernes se ha localizado en el nacimiento del río Aguanaz, en la localidad de San Antonio, pero eso no quiere decir que se haya producido allí mismo, ni ese mismo día, lo que dificulta la labor de investigación. «En esa zona hay muchas simas y puede haberse hecho el vertido en cualquier sitio. Además la contaminación se ha podido producir hace unos días y filtrarse ahora al río», insistió la regidora, preocupada por la situación, para lo que realizó un llamamiento a la colaboración ciudadana para tratar de encontrar a los responsables del delito ambiental y contra la salud pública. «Solicito la ayuda de los vecinos para poder localizar a la persona que ha realizado este vertido de abono, por segunda vez en poco tiempo, porque acciones como éstas no pueden quedar impunes», destacó. «Cualquiera que pueda haber visto algo o tener una información que nos llame, porque estamos hablando de un problema muy serio que puede afectar a la salud de las personas», insistió.

No obstante, la regidora añadió también que, gracias a la constante vigilancia de los responsables del servicio y todo el ciclo del agua, se está siempre muy pendientes de que los vertidos no lleguen al consumo humano, de ahí que en las dos ocasiones que se ha producido, desde el pasado mes de julio, se haya localizado a tiempo sin consecuencias para los vecinos, más allá de las molestias que puedan sufrir por los obligados cortes de suministro para evitar males mayores.

Un vertido de abono o purines, de las características que tiene el que se ha registrado en el río Aguanaz esta semana, puede constituir, en si mismo, un foco potencial de transmisión de enfermedades para las personas que consuman el agua afectada, de ahí que tanto el Ayuntamiento como Confederación Hidrográfica del Cantábrico y el Seprona estén trabajando conjuntamente para descubrir al infractor, que podría enfrentarse a importantes sanciones y penas.



El vertido apareció ayer en el nacimiento del Aguanaz. :: AYUNTAMIENTO DE ENTRAMBASAGUAS

SATURDAY 10TH AUGUST
D & S E REGATON 0892

RIGGED THE SURFACE PITCH AND PUT TWO ^{EXTRA} DEVIATIONS
ON THE BIG PITCH. WE THEN DID A ROUND TRIP THROUGH
50m CREEP PASSAGE, WHICH PROVED TO BE QUITE PLEASANT, NO
LEADS THROUGH.

SUNDAY 11TH AUGUST 2366² TORNO
D & S E, NIGEL DIBBEN, PETE CLEWES

None of us had been much beyond the entrance, so
this was a good exercise in ROUTE FINDING WHICH
WASN'T TOO DIFFICULT. WE MADE OUR WAY THROUGH TORNO
CHAMBER TO WHERE THE ROAD TO RINIO WAS SNAPPED,
THIS WAS FORENOUGH FOR PETE AND NIGEL LEAVING D & S
TO CARRY ON TO THE END. HAVING RECENTLY BEEN ON THE
'OTHERSIDE' OF THE CHORE IN RINIO, WE WERE Hoping
TO LOCATE A LIKELY SPOT WHERE A CONNECTION COULD
COME THROUGH, BUT WE RECHECKED ALL OF THE CLIMBS/
DIGS / CHORES ETC AT THIS END OF THE CAVE AND NOTHING
SEEMED VERY PROMISING (i) IT TOOK 2 HRS 10 MINS
TO GET OUT FROM THE END.



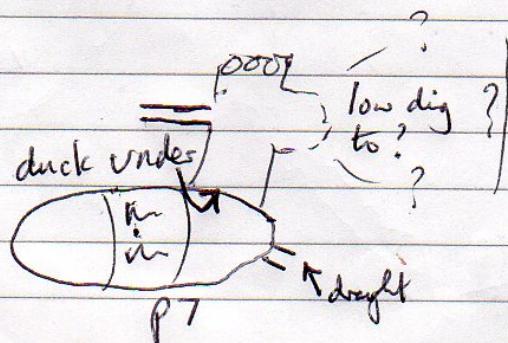
AYUNTAMIENTO DE ENTRAMBASAGUAS

AVISO CORTE DE AGUA

SE PONE EN CONOCIMIENTO DE LOS
VECINOS QUE DESDE EL PLAN
AGUANAZ SE HA NOTIFICADO LA
DETECCIÓN DE UN VERTIDO
CONTAMINANTE AL RÍO AGUANAZ,
MOTIVO POR EL CUAL EL SUMINISTRO
DE AGUA POTABLE PODRÁ VERSE
INTERRUMPIDO A LO LARGO DEL
VIERNES, 9 DE AGOSTO Y MIENTRAS
DUREN LA LABORES DE LIMPIEZA Y
ELIMINACIÓN DE AQUÉL.
ROGAMOS DISCULPEN LAS MOLESTIAS

2522
13/8/19 Dave Dillon, Bly, Nigel, Pete Clewes, Ivan
with a visit from Phil (by bike).

Digging down and into hill in mixed sediments.
A ninety degree turn to the right revealed a solid
roof over the same type of mixed sediments. More
digging here. About 5 or 6m to the far "wall"



draught
increased

SITE 3282, Jim 13/AUGUST 2019
 Following a inspection with
 John Southworth, the site
 was revisited and dug in
 a wet suit to a depth of
 3 feet down, and 4 1/2 foot in.
 water cleared in 6 and a half
 minutes, a bucket and crow
 bar will be needed next time,

13/8/2019 Site 4669. Torca Del Oron. Bill Nur, Emma Key, Frank
 Tully (WCC), Cootie (David Cook - WCC), Andy Morse (WCC)

Visit to photograph (semi successfully) the lift shaft.
 (Going up!)

Found Entrance shaft to be rigged. ^{Hanger} put on both
 in rock to ease egress and tied sling for start of
 Hang. Shaft still an interesting descent - Rope in
 situ is a 33mm plus remnants of a 24m (joined
 at last Reblay).

Headed to the lift shaft. rigged a cleaner rope
 to descend to base. Remains of 24m Rope are
 in use on traverse around to parallel shaft across
 rock Bridge. Rope descending Rigged around the
 Corner.

We descended lift shaft. (Bill & Frank to Base). Pictures
 less successful at the top due to flash failure/looseness
 of shaft. At Base Photo's taken of Frank in shaft.
 Some Success.

Cootie, Emma, Andy went into Haberdashers.
 - Noted drafting ~~can't~~ would need enlarging to allow

T-D Draw Corb from previous page 1308-20A

Be a normal (Bill Sized) personage through. However
then racing pencils could soon find out if worth
doing.

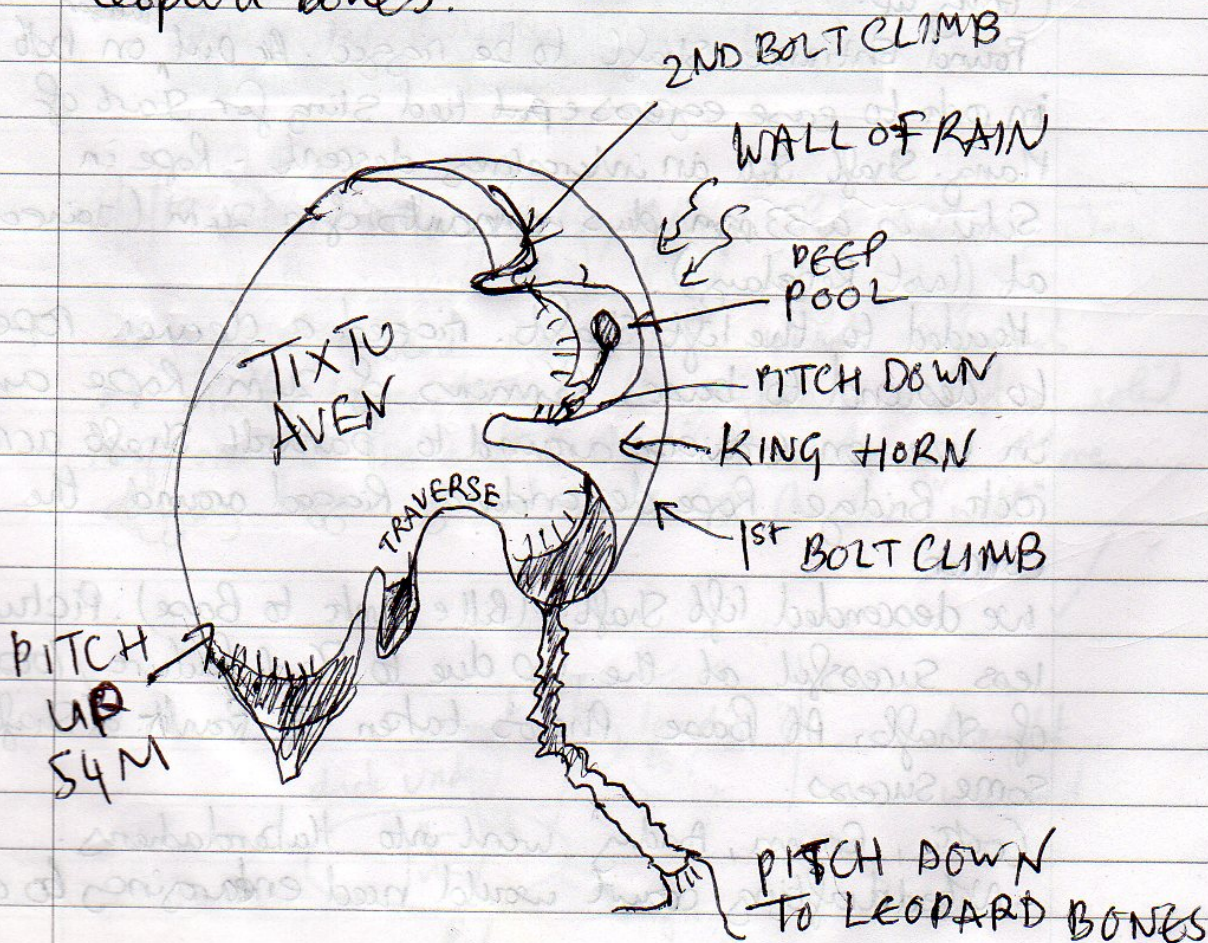
All Ropes left in situ, that were in situ on
arrival. Steel grill replaced, on exit. @

12th - 13th August.

Si + Di

167 :: Uzeke via Giant Panda Entrance.

Prompt 2pm start. The plan was
to traverse across the top of Tixtu aven
around the King horn to check for
passages on the opposite side (looked
good from the top of the pitch) and
also take photographs of the
leopard bones.



We took the longer dry route to get there - avoiding sloppy inlet.

I took some blurry photos - experimenting with the new canon tough camera whilst Si bolt climbed over the drippy King Horn - approx 7m which, at the top, ~~dropped~~ through the window dropped down 7m to a ledge which had a deep pool in it and was very drippy - you could avoid the wall of rain by skirting close to the wall, a slot through, just beyond the pool led to a further fluting. A very grandiose area! Si climbed over the next fluting (bolt climb)

~~pulling~~ pulling up the rope to drop down on the other side landed in a blind ledge. Disappointing with no way on.

Went off to photograph the leopard bones. The rift to get there seemed to be even more muddier than last time we visited!

Noticed a conical pile of sand next to the skeleton ~~to~~ with a climb up a hole leading to a series of break down chambers with scary false floors and loose boulders. A further skeleton photographed - small rodent??

Surveyed up 14 m height
63 m. length.

Exited the cave 1:30 am, Juan & Phil did a grand job of keeping the bar open for us!!

(hangers)

The bolts on the last pitch (lowest) of sloppy inlet had completely worn through! We replaced the rope ~~for~~ and descended without the final re-belay. Hanging the rope on a rock out of the spout of water from the waterfall.

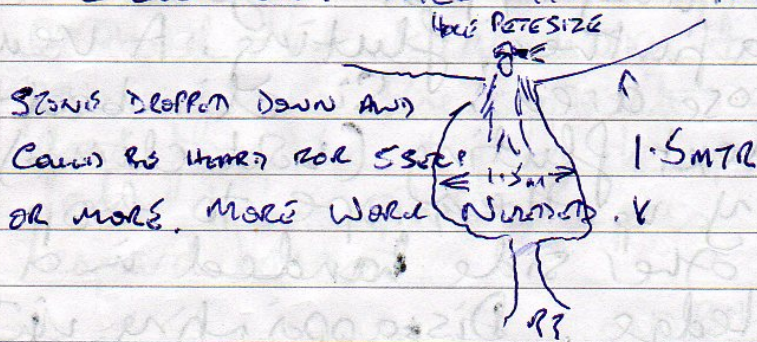
opp

11th August 2019 PETER BILL, DAVE DEC

30T 0451677 4795194

134 ALT. Acc 2mtr.

SHAFT 2.5mtr GOOD DRAUGHT, 30mtr LEFT OF 495 LOCATION. Will ATTACH PHOTOS LATER.



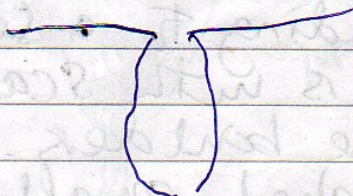
4998

14/8/19

Photos of site 4251 from Carlos Camacho Martinez.

12th August 2019 Billy & DAVE DEC

SHAFT WITH DRAUGHT, NODS DIGGING
out 3070451661 4795218 4999 ↑ 222m



15th August 2019 Si & Di

106 :: Torcón de Riano

Total:
232 m surveyed

Returned to the ledge, 55m down (40m off the bottom of the shaft)

On the way down surveyed the small passage to the left of the entrance - starting at the pool of water (James Carlisle will love to push this!)... surveying down the Torcón shaft to the traverse.

Si did a very exciting bolt traverse around the shaft using a micro-traction-adjustable lanyard to great effect! The exciting and extremely lofty traverse around led to a ledge decorated with stal and leading to a passage! Yay! The passage was well decorated and briefly walking, leading to a climb through a stal window to shoulder-width walking passage. Zig-zagging for 80 m past a couple of shield sized and shaped stal (photos taken) to a squeeze through a stal grill. After the squeeze a further ~~passage~~ squeeze high in the passage to a letterbox drop down led to dark limestone with three 3 metre high avens off to the left, all too tight at the top.

The passage continued hands and knees for another 20 m, past an enlargement with sandy banks - Ends in a mud dig with hopefully passage beyond!

14/8/2019

REGATRON SITE: 892

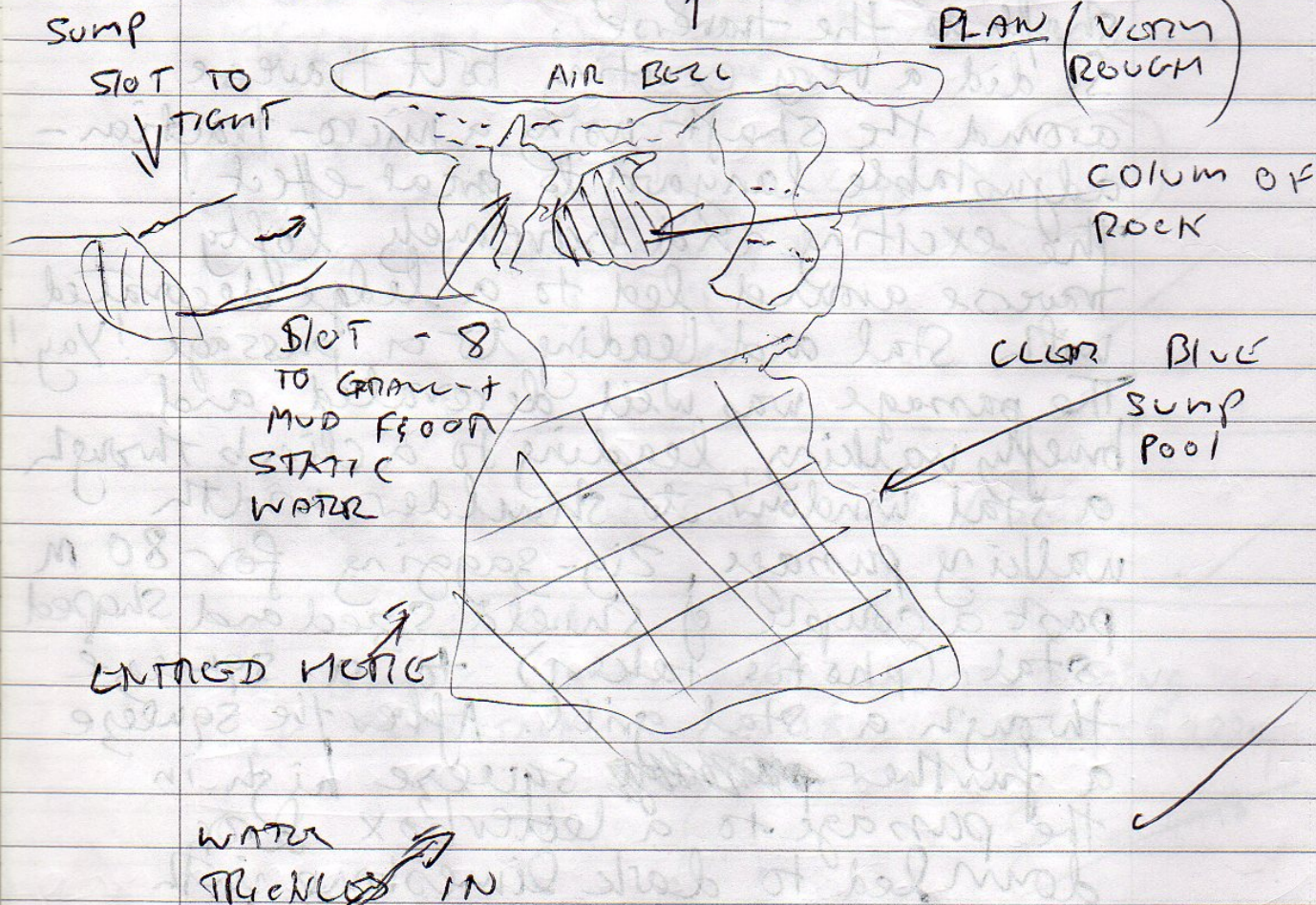
SI + DI + Jim L

Sump DIVED AT SPIKE HALL, (SPIKE HALL Sump) AND THE TWO SEPARATE Sumps AT THE END OF PEAKY PASSAGE.

SPIKE HALL Sump WAS DIVED FIRST, AND FOUND TO BE A NUMBER OF Blind Slots IN THE FLOOR AT - 8 METERS, ABOVE WAS AN AIR BEEL IN A CROSS RIFT.

NORTH
↑ EAST

PLAN (VERY
ROUGH)

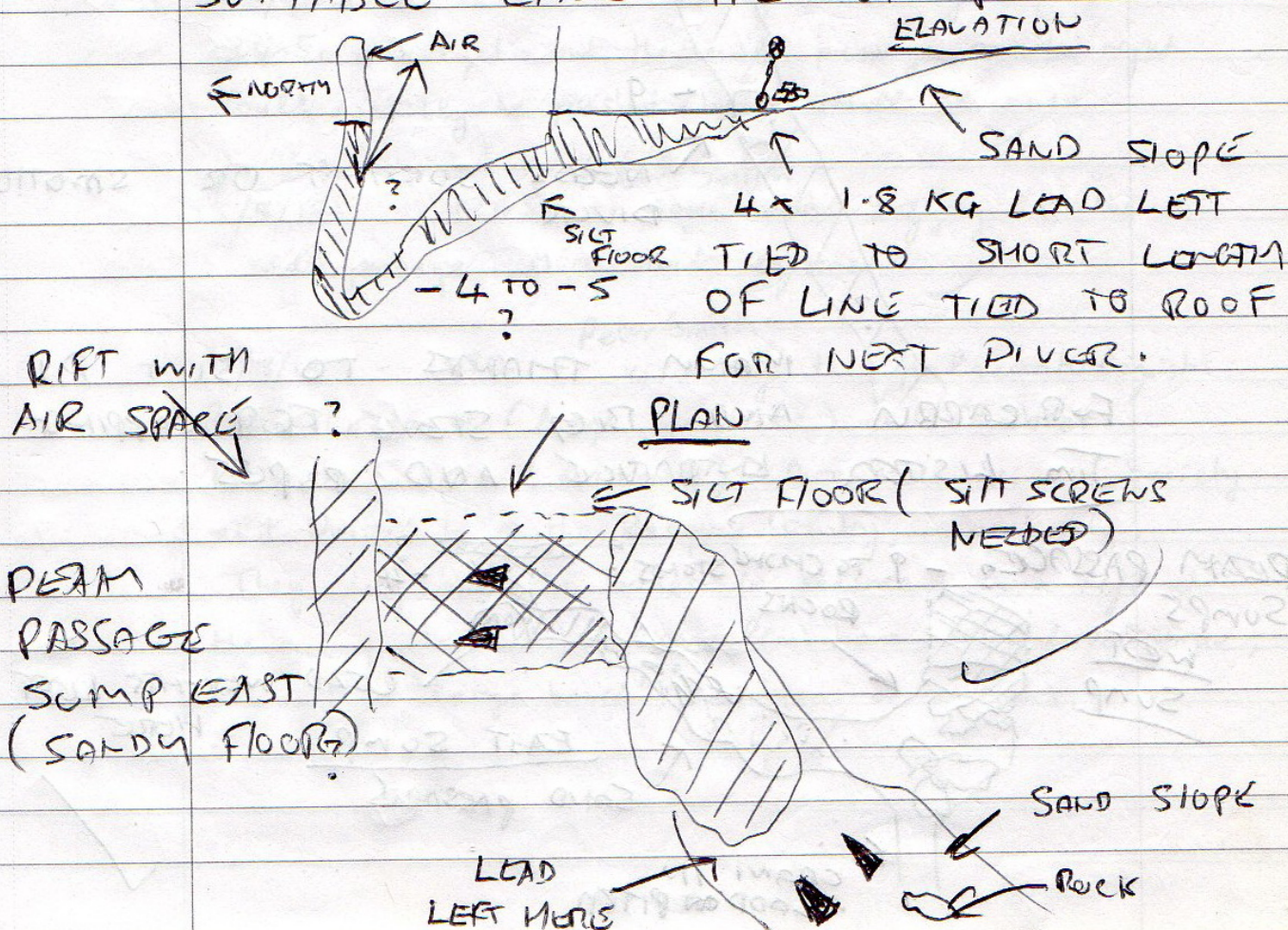


NO OBVIOUS WAY ON FOUND, PROBABLY JUST A STATIC POOL.

PEAKY PASSAGE SUMP (EAST) SANDY
PASSAGE LEADING TO IT.

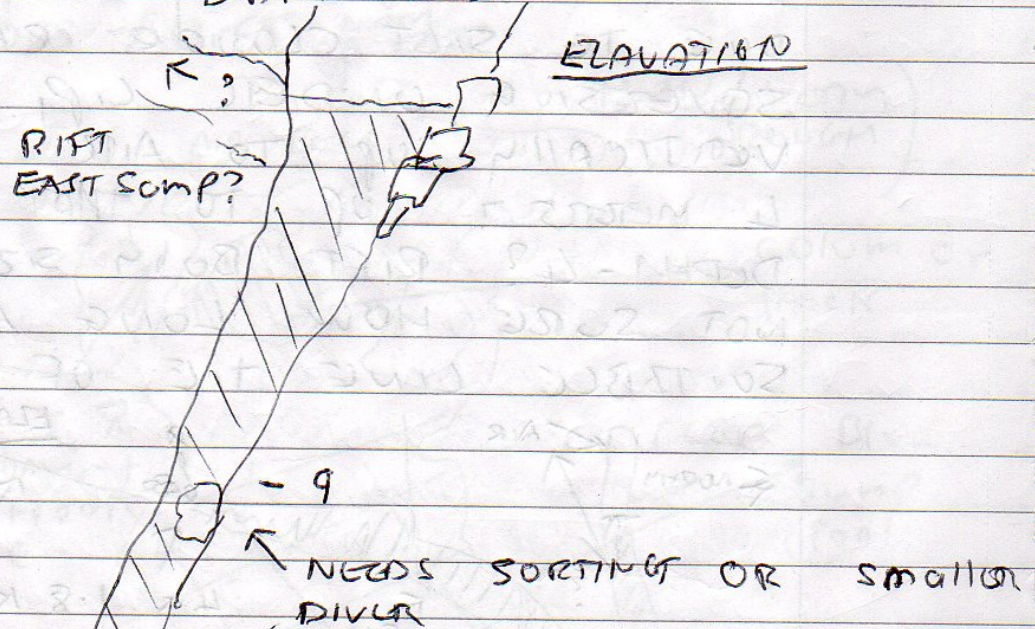
WIDE, ONE METER HIGH UNDER WATER,
PASSAGE STEEPLY DESCENDS DOWN
SILT SLOPE HEADING NORTH FOR
A DISTANCE OF SIX METERS.

DIP UNDER LIP OF ROCK TO FIND
YOURSELF IN A CROSS RIFT. GOES
OFF AT 90 DEGREES TO LEFT AND
RIGHT, COULD NOT SEE HOW FAR
DUE TO SILT CLOUDS CAUSED BY
SQUEEZING UNDER LIP, ACCENDED
VERTICALLY UP TO AIR SPACE. RIFT
4 METERS? UP TO THAT POINT. EG
DEPTH - 4? RIFT BODY SIZED ACROSS
NOT SURE HOW LONG AS NO
SUITABLE LINE TIE OF POINT.

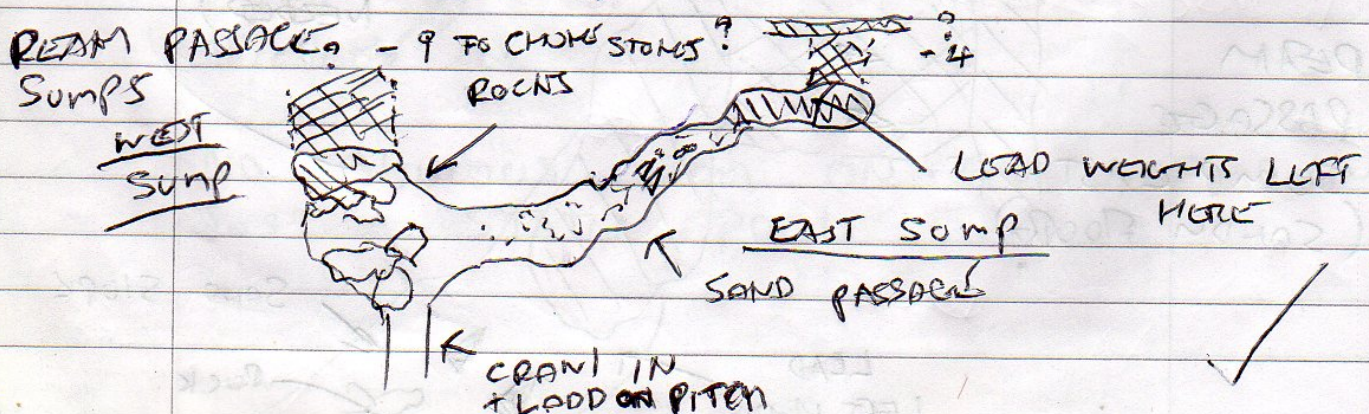


PEAKY PASSAGE SUMP (WEST)

INVITING DEEP LOOKING Sump ENTERED FROM ROCKS. A ROOMY Sump pool DESCEND STEADILY DOWN TO A RESTRICTION AT - 9 METERS WHICH IS BLOCKED BY CHOKY Boulders WHICH COULD BE PASSED IF LUMP HAMMER USED, PASSAGE CONTINUES DOWN BELOW INTO THE DARKNESS



MANY THANKS TO SI + DI FOR CARRY AND BIG STEVE FOR CAPPING Jim LISTEN ENTRANCE AND ROPES.

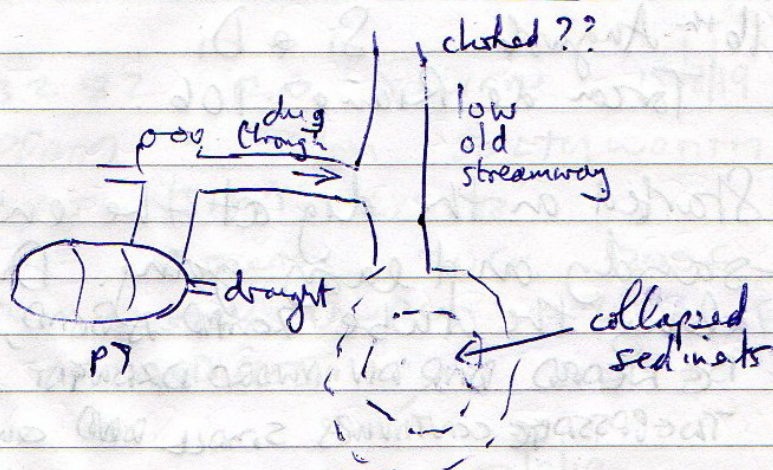


16th August 2019 Site 2522 - the back door to Torno

John, Phil and Juan joined the DCC - Nigel, Billy, Dave Dillon and Peter Clewes for a late start - about 3pm. Juan and Peter down the hole for the first shift, digging along the trench in the mixed sediments. Phil came down while Juan dug through the sediment to meet an old, very low streamway flowing left to right. Left appeared choked and a crawl to the right, after a couple of metres, dropped into a standing height chamber where sediments had collapsed. Peter came through and surveyed the small find.

Phil cleared some rocks from the draughting rift at the base of the shaft but this will need the whole face removing or shoring installed before the draught can be safely followed.

Surveyed length 27m. Photos on computer



14/8/19 - 4960 - Peter Smith
Survey and a few photos.
24.5m surveyed but the small passage on the right
could possibly be pushed by a small caver.

15/8/19 - 1265 - Peter Smith
some more digging in the
side-passage. More work required.

16/8/19 - 880 - Peter Smith
visit by the palaeontologists:
Pedro Castaños (large mammals) and Xabier
Murelaga (small mammals) - Aranzadi Science Society
and University of the Basque Country, respectively.
They dug out the bones in sediment in a rift at
the end of the cave. A large limb bone, several vertebrae,
etc. of a 'large bovid', i.e. bison or aurochs.

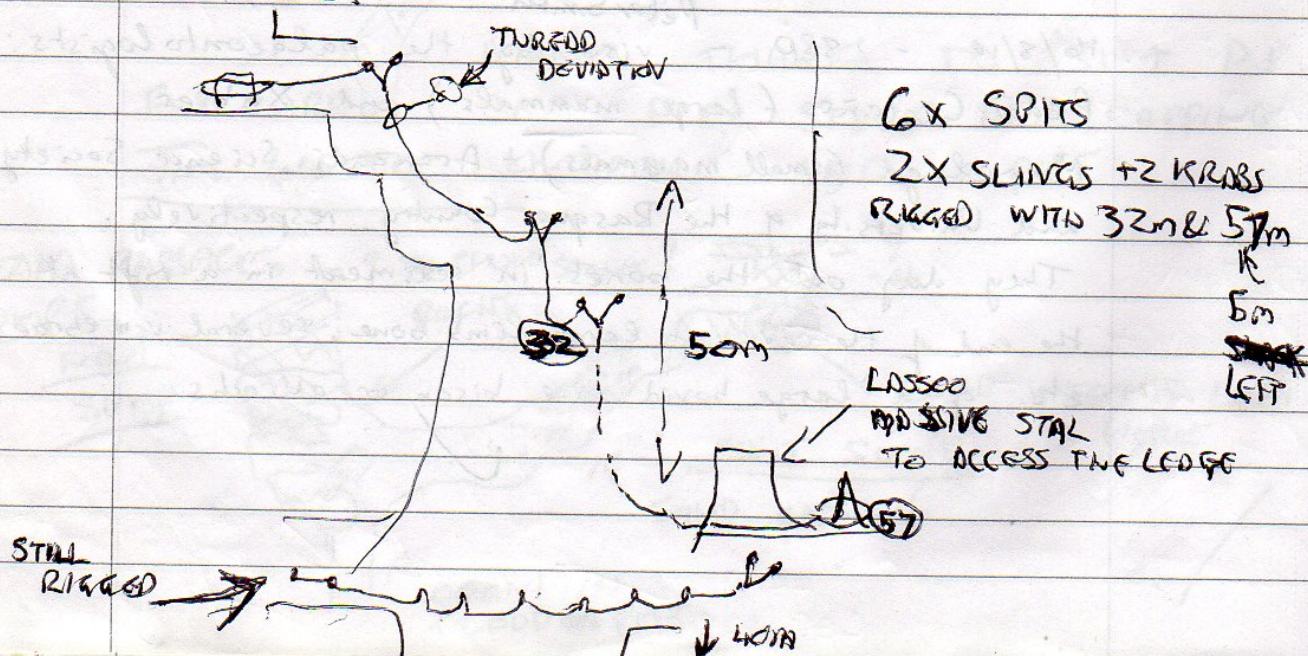
3232

Cubio Del Llanio Bill N/A Emma lens. 16/8/19
Via Subphone Entrance. (4536)

Trip to Mulu Manners → Mulu Junction.
Photo trip. Various pictures taken. (Thanks
Torben for the info (~~for~~ N/A 2018-9)). Amazing cave.

16th August Si & Di
Torben de Riaño: 106.

Started on the dig at the end of the passage
sandy and easy going. Dug approx 7m
along the tube ROUNDED BEND, FLOWING WATER CAN
BE HEARD AND AN INWARD DRAUGHT FELT. HOWEVER
THE PASSAGE CONTINUES SMALL AND QUITE BIT OF DIGGING
IS REQUIRED. THE BONUS IS IT DOESN'T TAKE TOO LONG TO
GET TO THE DIG VIA THE SPECTACULAR DESCENT AND VERY
DIRTY KING HORN TRAVERSE. THE RICH ROSES HAVE
BEEN REMOVED FOR THE WINTER BUT THE TRAVERSE
LINE HAS BEEN LEFT RIGGED. THE FIRST TO DESCEND
NEXT TIME WILL HAVE TO LOOSEN THE LARGE STAL
@ 50m DOWN TO GET ONTO THE LEDGE - A FAIRLY EASY
MANOEUVRE.



17/8/2019

BIG MAT CALF MOLE, (3916) 2889

(45)

SI + DI + JIM

Trip FOR JIM TO LEARN ROUTE TO Sump
JUST PAST COCKUP @ COCKERMOUTH
chamber (EAST), MANY THINGS
TO SI + DI

JIM LISTER ✓

SITE 3282 RD JULIAN 15/8/19

Phil PAPPAM - JOHN SULTY-MORTON,
BIG STEVE, JIM LISTER

FLOOR OF STREAM DUG, ROOF OF
PASSAGE SEEN UNDER WATER, FILLED
WITH COBBLES.

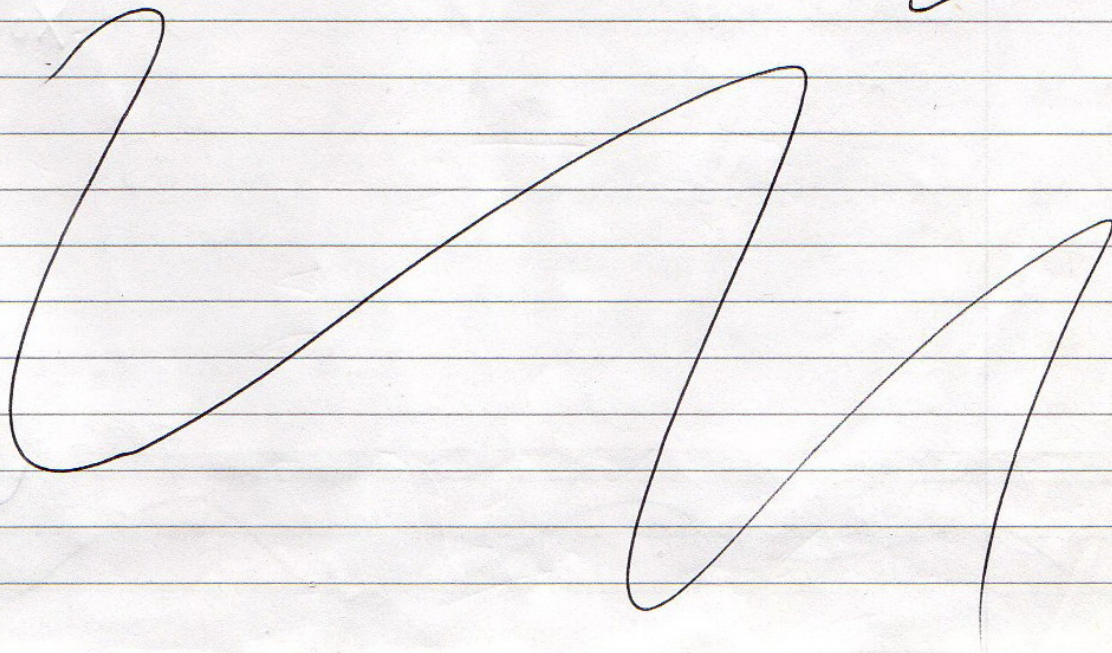
Jim

17/8/19

Site 0075. Picov. Bill Nit - Emma Key

Photo trip - No main photos taken due
to technical issues. 1.5 hrs to find it. Spits -
were ok on entrance shaft. Visit to the Helicidites
very nice. Will return again with a camera (soon)

✓



6TH AUG 2019 JOHN SOUTHWORTH

①

THE PLAN WAS TO CHECK FOR ANY DRAGHTING PASSAGES AT SITE 3024, MONCOBE. AFTER 2 HOURS JUNGLE BASHING WAS UNABLE TO FIND THE ENTRANCE.

IN SAME FIELD NEAR A BARN FOUND A SMALL CAVE WHICH HAD SEVERAL SHORT CRAWLS, ALL CHOKED. JUST INSIDE THE ENTRANCE IS A SHORT TIGHT VERTICAL SQUEEZE WHICH OPENS UP BEYOND THIS DRAGHTING WALL. NEED TO RETURN WITH G.P.S AND A THIN PERSON, TOTAL LENGTH 9M.

PULLED ROCKS OUT OF 2994 WHICH REVEALED AN OVERTIGHT DESCENDING RIFT. SITE WRITTEN OFF.

7TH AUG 2019 JOHN SOUTHWORTH

WENT TO LOOK AT LARGE DEPRESSION LOW DOWN ON NORTH SLOPE OF LLUSA. FOUND TO BE DENSE JUNGLE ALL ROUND, UNABLE TO EXPLORE, GAVE UP AFTER A COUPLE OF HOURS, VERY HOT DAY.

8TH AUG 2019 JOHN SOUTHWORTH, BIG STEVE, TERRY.

CONSULT THE X FILES, BIG STEVE REPORT

9TH AUG 2019 JOHN SOUTHWORTH JIM LISTER

TOOK JIM TO RESURGENCE SITE 3282 WHICH ON INSPECTION IS GOING TO BE A GOOD SITE FOR A FUTURE DIVE, THEN TO SITE 2070 FOR A POSSIBLE DIG, BUT WRITTEN OFF. FOUND 4TH SHAFT IN WOODLAND NEARBY, WHICH WILL REQUIRE RETURN TRIP TO GPS AND REMOVE A TRACTOR TYRE BLOCKING IT.

10TH AUG 2019 JOHN SOUTHWORTH, PAT DIVING, JUAN

DIVING TRIP DOWN COLD STORE. SEE REPORT FROM JUAN. 3234

11TH AUG 2019 JOHN SOUTHWORTH

FOUND 3M DEEP RIFT WHICH SEEMS TO BE BLOCKED WITH FARM RUBBISH, BAGS AND BARBED WIRE IN VILLANUEVA AREA
0447955 4803684 ALT 95M.

X0146

12TH AUG 2019 JOHN SOUTHWORTH

WALK IN AREA ABOVE SAN ANTONIO ON FOREST TRACKS, NO SITES FOUND. RETURNED TO SMALL CAVE FOUND ON THE 6TH AUG (0445465 4798271). ENLARGED TIGHT SQUEEZE TO ABOUT 12M OF PASSAGES ALL WHICH CHOKED. TOTAL LENGTH OF CAVE 20M AND 3M DEEP. EXPLORED SHAKEHOLE NEXT TO ROAD IN ~~SAN ANTONIO~~ BARRIO DE ARRIBA AREA. RIFT DESCENDS SEVERAL METRES BUT CHOKED WITH FARM RUBBISH. NOT A PLEASANT PROSPECT. (0445221 4799808).

5002

in our area?

13TH AUG 2019JOHN SOUTHWORTH

LOOKED AT AREA BEYOND CHURCH CAVES TOWARDS LA CANADA AT NAVATEDA. NOTHING FOUND SO FOLLOWED A TRACK UP HILL TO OPEN MEADOW. IN MEADOW HAD ENCOUNTER WITH A BULL SO RETREATED BACK DOWN TRACK. FOUND WHAT MIGHT BE A COLD STORE BUT WAS STUNG BY A BEE OR HORNET SO 5003 CALLED IT A DAY. DID NOT RECORD POSITION OF SITE.

14TH AUG 2019JOHN SOUTHWORTH

TRIED TO INVESTIGATE A GULLY FEATURE BELOW ROAD NEAR SITE 2995. SPENT SOME TIME TRYING TO LOCATE IT FROM BELOW BUT NOT SUCCESSFUL. SPENT SOME TIME DIGGING IN 2995 IN ENTRANCE RIFT BUT IT BECOMES TOO TIGHT.

15TH AUG 2019 JOHN, PHIL, JIM, STEVE

HELPING JIM REMOVE BULDERS AT RESURGENCE SITE 3282, ONGOING PROJECT.

16TH AUG 2019 JOHN SOUTHWORTH

DIGGING AT SITE 2522 WITH NIGEL, DAVE, JUAN, PETE, BILL & PHIL.

17TH AUG 2019 JOHN SOUTHWORTH

A LOOK IN WOODS SOUTH OF BARRIO DE ARRIBA, NOTHING FOUND, WOULD REQUIRE ANOTHER LOOK WHEN VEGETATION DIES OFF. HAD ANOTHER LOOK FOR CAVE 3024 BUT LOST A ~~SPECTACLE~~ SPECTACLE LENS.

8/8/19 0880 Final dig of the season @ dam pit.

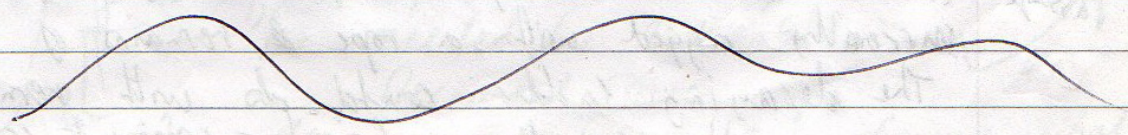
Phil, Pat, Dave Dillon & Juan + ?

Excavated crawl started on 6th to stand-up rift with drought. So pro on selfie stick shaved tiny hole continuing at base of apparently choked rift.

Place to continue digging is at base of dig. (Video)

17/8/19 Patrick Warren + Christina Ziebold in 0025 (Risco)
Photos of ^{Fire} Salamander.

489



X013

8th August 2019 Bug Stone, Terry Whittaker, John Southworth

Follow obvious ~~back~~ track from water troughs above at R.H.S stream through trees to large obvious entrance resurgence. 100 meter walk from cars. Deep water soon met and 2 cheeks out of depth ducks, wet suit needed. Swampy area soon met but we climb up through boulders very muddy leads to draughting rift very tight with neoprene but slim cover in dry gear may get through. Could see down rift for 4/5 meters with impressive echo. Not surveyed ~~but not surveyed~~ but estimate 11.0 meters from entrance to draughting rift. Streamway mainly out of depth, strong draught out on a warm day. Good site worth another visit if ~~we~~ we have permission.

19/8/2019 Hoyuca (Uzueha) (107)

Patrick Warren + Christine Ziebold.

Tourist trip to Pig Trotters Chamber via squeeze route.

Surface: A small "Museo Lacteo" is sign-posted from the back leaving Riaño. This is a gated display of artefacts & models of ~~the~~ butter, milk, cheese, etc in the cold draft exiting Uzueha (field entr.).

Field Entrance is a step up to Left of the gated display.

In the entrance series, the normal route is difficult to follow from the survey! However the route back to entrance from the squeeze into start of Quadraphenia is currently well marked with reflective markers placed strategically to follow back to entrance. ~~The way is clear therefore~~

Part way along Quadraphenia is a ~~rigged~~ ^{rigged} climb (marked ~~as~~ ^{P³} on survey? = ~~as~~ ^{Way}) which is currently rigged with a rope & remains of ladder. The decaying ladder could do with removing from the cave. ~~to~~ - ~~see~~ (similar comment is online).

Pull
up
Passage →

Between the Quadraphenia and Pig Tatters Chamber — "Gloomy Chamber" in the website description, but un-named on the latest survey — yellow deposits, ~~growth~~ were noted on the underside of a number of slabs (~~photo~~ see photograph). These seemed fringed with white, suggesting organic growth.

Slightly back towards Quadraphenia ~~were~~ white fungal ~~growth~~ ~~with fine hyphae~~ growths — connected by fine hyphae — see photo.

20/8/2019

Vallina (0733)

Patrick Warren + Christine Ziebold

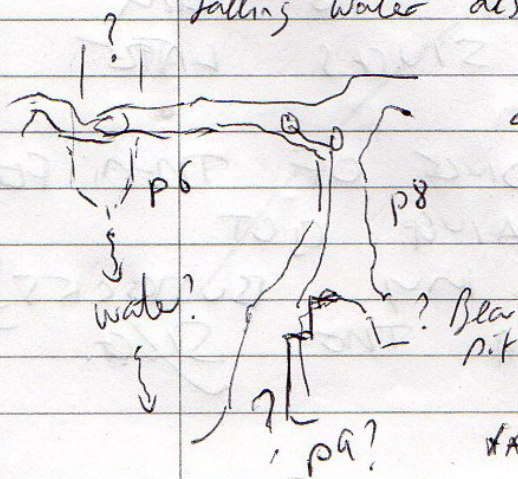
Tourist trip to Swirl Chamber & investigation of Galería Jesús Lecue.

The latter is an interesting hl crawl off large passage between Cami del Nord & Aringuda de la Sorra.

We took 15m of 11m rope, + 2 slings.

The wld p8 proved to be an 8m rope climb, each ~~with~~ to a ledge then 1½m to a second ledge, looking down at least p9 to large? below. Can hear falling water & there is a very good echo.* The wld p6 seems to be a window into a shaft & presumably leads to the same place as falling water also heard. *Weak drafts noted through out.

At the base of the original p8 a slot drops into a bear pit, left.



Rigging Good natural threads at top for initial p8, the 1-2 bolts* needed for 2nd p9(?)

Recommended 30+m rope. * or poss. a rope protector for an initial look-se

19/AUGUST 2019

3916 / 2889

BIG MATT CALF MOLE + TLV

PLAN TO DIVE DOWN STREAM SUMP
NEXT TO FISTICUFFS AT BUTTERCLIFF
CALLED OFF AFTER SOLO DIVER LACKED
TIME TO TRANSPORT KIT THROUGH FINAL
SECTION OF CAVE, ELEANT SUMP
DIVED FROM BASSENTHWAITE SUMP TO
WILTHWORTH TO ADD PASSAGE DETAILS
TO SURVEY CENTRE LINE.

SIDE PASSAGES UP STREAM OF
BASSENTHWAITE LOOKED AT ALL HAVE
BEN EXPLORED BEFORE BUT NOT
RECORDED OR ON SURVEY. ~~NEED~~
SURVEYING POSSIBLE 150 METERS +
TO RECORD, 2M WIDE 9M HIGH.
SMUTHS TAKEN AS REQUESTED.

18/AUGUST 2019

3916 / 2889

BIG MATT CALF MOLE + TLV

VERY LONG DAY TRANSPORTING KIT
IN.

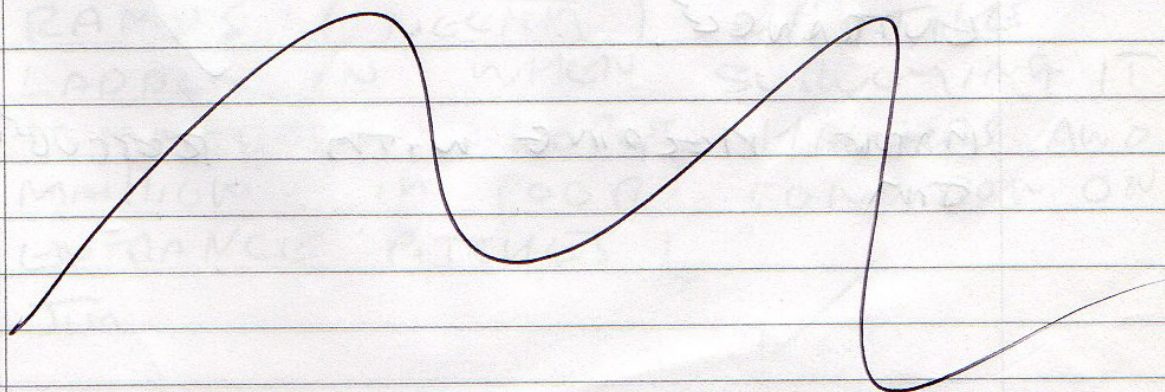
BIG MATT ENTRANCE IS VERY
POPULAR WITH SLUGS LATE
IN THE EVENING,

I KNOW THIS A ONE OF THEM FELL
DOWN MY NECK AND GOT
WEDGED BETWEEN MY BUTTOCKS
IT WAS WORSE FOR THE SLUG.

0075
21st August 2019 Phil, Juan, Mark 'Killer' Smith, Pete.
Assistance given (stretchers + manpower) to bring
Weener cove from entrance to Picón (0075) down
to 112 helicopter. He'd fallen on the entrance
pitch. (Photos + video). ✓

21/8/19 Cueva Vallina 0733 Rupert, Phil & Pete
Carry of gear for downstream dive project - (new dry suit
& dive gear) to top of DD pitch. Here Phil & Pete left
Rupert to descend & make way to camp 6 where he would
change the "absorbent" in his rebreather ready for diving
Camp 6 the following day. Phil & Pete made
an uneventful way out.

22/8/19 4958 dig. Phil & Hilary
Aim was to dig the site & also look at 1557
but had problems finding 4958 due firstly on
putting in the wrong GPS, & when corrected still
could not find. Using the photograph taken at
Eoston, was able to locate exact position &
confirm the hole has been filled in (by former or
on Cow Creek?). Photo taken of area. Due to
time taken to locate 4958, did not get to 1557.



From: Nigel Dibben <nigel@dibben.org.uk>

To: papard <papard@easynet.co.uk>; 'Juan Corrin' <uzueka@aol.com>; big_stevemartin <big_stevemartin@hotmail.com>

Subject: Matienzo Social Services

Date: Thu, Aug 22, 2019 2:58 pm

Hi All,

After bruising & possible surface fracture of femur in
Tomo 2366 - date: 11/8/19

Thank you all for looking after me in those last days in Spain. It would have been so much more difficult for us, especially for Liz, if you had not helped in the ways you did. Please pass on my thanks to Julie (I haven't got an email address for her) and to Hilary, Penny and Susie as well. We got home safely on Tuesday night after Liz drove non-stop from Plymouth and we have spent the last day and a half sorting things out (surveys next!). I have an appointment at the local hospital next Tuesday but the swelling etc. is reducing so I am hopeful they will say that I can walk normally again but in the meantime, the crutches have been invaluable. Brit Ferries lent us a wheel chair for 24 hours so the boat trip went well.

We look forward to seeing you all again soon either at home or in the valley next year.

Best wishes

Nigel and Liz

22/8/2019 Sub-phone (Llanio) Site 3234

Patrick Warren & Christine Ziebold

Photographing & sketching & checking passage details,
as far as Mulu Junction.

The rigging on the pb out of Ath (the shark) is
potentially unsafe as the bottom end of the rope is only
looped over a small stalagmite at present, and could
be mistaken for a secure anchor. out of sight.

21 AUGUST ✓
3916 / 2889

KIT OUT, MANY THANKS TO TERRY
FOR THE HELP OUT THE SHARK
ENTRANCE. ✓

MATW HELPING WITH RESCUE - (0075)
JIM

22 AUGUST 2019

SITE 2538

EL CUBILLON

MARK DIVED "FIRST SOUTH PASSAGE"
SUMP CALLED BASSANTHWAITE
ON THE LATEST SURVEY.

THE SUMP WAS APPROXIMATELY
30 METERS LONG, WITH AIR
SPACE FOR MOST OF ITS

LENGTH, MARK SAW FOOT
PRINTS HALF WAY THROUGH, WHICH
CONFIRMS JOHN'S SOUTHWORTH
REPORT OF THE TEAM HE WAS

WITH INTERSECTING THE SUMP
FROM ABOVE 3/4 THE WAY
THROUGH, (THEY WERE VERY
CLOSE.) MARK SURFACED IN

LARGE VIRGEN STREAM WAY
AND CAME BACK FOR JIM
WHO DIVED IN AFTER AWP

FOLLOWING MARK IN HIS COTTON
BOILER SUIT (COLD). LARGE

MUDDY STREAM PASSAGE LEADS
OFF FOR APPROXIMATELY 100 M

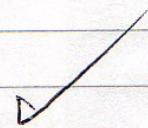
LOTS OF CLIMBS UP MUDDY

RAMPS (NECK) WILL TAKE

LADDER IN WHEN SURVEYING IT
TOMMOROW. ROPES, HANGERS AND

MAILION IN POOR CONDITION ON
ENTRANCE PITCHES

JIM



23/8/19

Penny & Joan at dentist in Solózano. Other patient was Juanito who owns the Torro (2366) land. Talked of the cases he knew about including Atapuerca, Puente Viejo, Cueva Canor etc.

House is up on other side of road from dentist, by large trees. Call in when we want.

La Guardia Civil investiga a un ganadero de Entrambasaguas por el vertido de abono al río Aguanaz



Acumulación de estiércol en la finca del ganadero investigado. / opc

El hombre, de 62 años, había acumulado estiércol en su finca y se filtró a las aguas subterráneas de la cueva Fuente Aguanaz, que a su vez converge en el río

ES
DM

DM . Santander
Viernes, 23 agosto 2019, 11:59

f t w ...

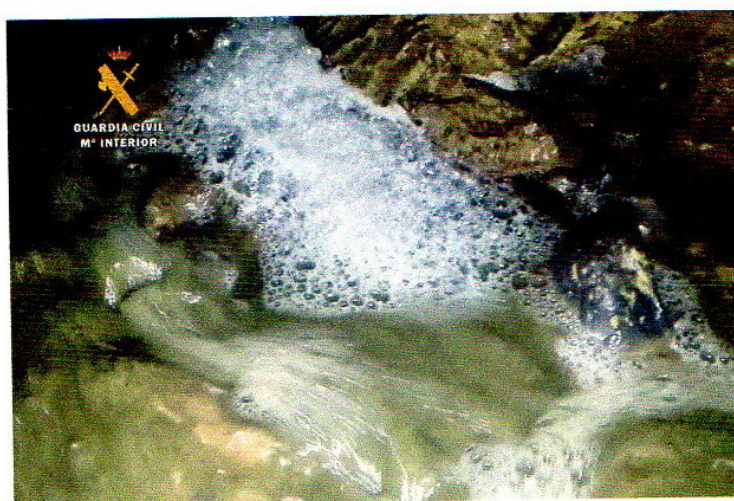
Un hombre de 62 años y vecino del término municipal de Entrambasaguas está siendo investigado por la Guardia Civil como presunto autor de un delito contra los recursos naturales y el medio ambiente, al considerar que varias acumulaciones de abono en una finca de su propiedad son las causantes de las filtraciones que llegaron al río Aguanaz.

El Seprona (Servicio de Protección de la Naturaleza) de la Guardia Civil de Cantabria comenzó una investigación el pasado mes de julio ante un aviso que **atendió sobre un posible vertido en el río Aguanaz** en el término municipal de Entrambasaguas.

Los agentes desplazados al lugar, tras entrevistarse con responsables de la planta de Abastecimiento de Aguas sita en Entrambasaguas fueron informados de que se había **considerable de amonio en el caudal** nacimiento del citado río, pudiendo estar colado al acuífero.

Por este motivo **se tuvo que cortar el suministro de forma temporal** a las poblaciones de los términos municipales de Entrambasaguas, Medio Cudeyo, Marina de Cudeyo, Ribamontán al Mar, Ribamontán al Monte, Solórzano y Riotuerto.

La inspección realizada en aquella ocasión por los agentes del Seprona permitió observar que **el agua del acuífero estaba turbia, de color marón y con un fuerte olor a purines**, con espuma blanquecina en algunas zonas, no presenciando mortalidad de fauna acuícola.

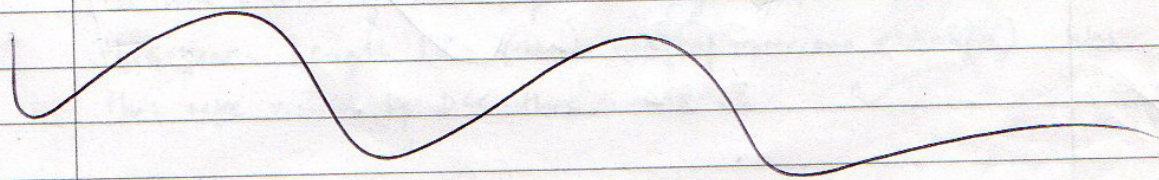


El agua tenía espuma blanquecina en algunas zonas. / OPC

Mientras se estaba investigando este caso, **el 9 de agosto se informó nuevamente de un vertido**, teniendo que parar la planta de abastecimiento cortando nuevamente de forma temporal el suministro de aguas a las reseñadas poblaciones en evitación de perjuicios para la salud pública. En esta ocasión se había detectado nuevamente un aumento de amonio.

Filtraciones a las aguas de la cueva Fuente Aguanaz

Tras las inspecciones técnicas oculares, los agentes del Seprona llegaron a la conclusión que **la contaminación de las aguas del río procedían de alguna filtración a las aguas subterráneas de la cueva**



Fuente Aguanaz que a su vez converge en el río Aguanaz.



El vertido se ha localizado en el nacimiento del río Aguanaz, en la localidad de San Antonio. / DM

Tras estudios realizados del terreno los agentes consiguieron georreferenciar la **situación de los posibles puntos de filtración**, centrados en una finca particular del término municipal de Entrambasaguas.

En dicha finca localizaron **tres puntos de acumulación de estiércol, en el interior de torcas**. Estudiadas dichas acumulaciones, su ubicación y circunstancias del terreno, se considera que las filtraciones de purines a las aguas subterráneas de la cueva Fuente Aguanaz proceden de estas acumulaciones de estiércol.

Finalmente **este jueves se procedió a investigar al dueño de la finca**, el cual por su actividad ganadera realizaba dichas acumulaciones de estiércol. El atestado que se encuentra formalizando el Sepróna por presunto delito de contra los recursos naturales y medio ambiente, será entregado en los **Juzgados de Medio Cudeyo** una vez concluido.

[Handwritten signature in blue ink]

(57)

23 AUGUST (SOUTH PASSAGE)
SITE: 2538 EL CUBILLON

MARK KILLER SMITH, JIM LISTER
SUMP TO BIG CHAMBER
SURVEYED, (130 m) LADDER
RIGGED TO SPIT (THANKS TO
PATRICK WARREN FOR SPITS)
TO IMPROVE ACCESS.

WAY ON FOUND DOWN ONE
OF THE SHAFTS, LEADING TO
MANY METERS OF STREAM
WAY TO BE SURVEYED ON THE
25TH. BIG CHAMBER STILL
NOT FULLY SEARCHED. LOOKING
GOOD.

JIM ✓

26/8/19 4877 3% Pot Juan + Phil
Survey + Photo trip. No drought felt
on a cool day (20°), but seemed to
be inward drought as while cave was at
surface trip & had stayed dried out. Cave
not dug. Bottom a one or two meter place
could be dug, but need to check if
drought in hot weather, if no drought then
not worth much effort.

26/8/19 Peter Smith
0629

- Cave was visited for a survey and
to take photos of bones (of a child/young person) seen earlier
this year. Length 17m (about half of previous estimate). Was
this cave visited by DCC this summer? ✓

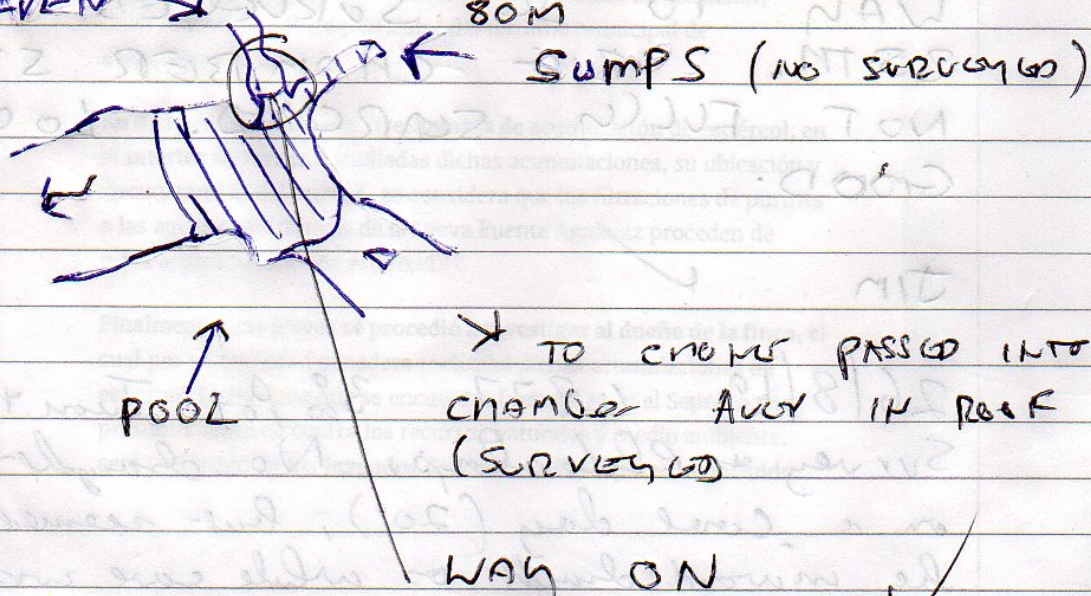
25/AUGUST 2019

SITE: 2538 EL COBILLON

MARK SMITH + JIM LISTER

400 M SURVEYED, KIT REMOVED, ALL
APART FROM ONE 50 M ROPE AND
SGT CONNECTOR, WHICH WAS LEFT
ON PITCH IN NEW BIF CHAMBER.
ROPE + 1.4 KG LEAD WEIGHT LEFT
AT JUNCTION FOR DIVE NEXT SUMMER.
AT OTHER Sump.

400 M
TO DRATTING (NOT SURVEYED)
AVENUE → 80 M



JIM

26 AUGUST 2019, AUGANAZ SITE 713
MARK SMITH: KIT OUT FROM
GM AVEN.

From Nigel: 0014 Photos + survey. 27/8/19
0026 Photos
0177 Photos
2522 Photos + survey.

8/19

27/08/19 Pete & Phil 4805

Digging at base of climb, not clear where last drought is from a rift on track site or open area on hill side. Likely it is all coming from below. Very strong cold drought today, and will bring $\approx 21^{\circ}\text{C}$. Lot more work needed on this key day. ✓

28/8/19 Pete's Files. 0629; 0723; 4960
surveys + photos for all 3 sites.

+ Word doc for same: 0629-0723-4960-ps-2019s.docx

gsc ~~0629~~:

JUAN

Many thanks for your assistance helping rescuing Male Foyle from Sema Picon.

Fortunately Male seems to have avoided any broken bones.

Please have a few beers on us.

Regards

Wesssex Cave Club.

(Wayne Starsmore - )

wayne@cockoocleaves.uk)



1/9/19 Juan with Peter Wynn into Uanio 3234
for Peter to exchange detectors and gather
water samples, etc for the nitrogen project.
(Photos).

1/9/19 Photos from Carlos L.M. Palomas 4004
Cerro Chico 0501

From: Peter Smith <smith_peter2004@yahoo.es>

To: Juan Corrin <uzueka@aol.com>; Phil Papard <papard@easynet.co.uk>

Subject: Fw: Corcada

Date: Wed, Sep 4, 2019 6:31 pm

Attachments: Corcada - Plan1.pdf (9K)

Hello Juan and Phil

Juan: apologies for not giving you much of a break, but life and caving goes on...

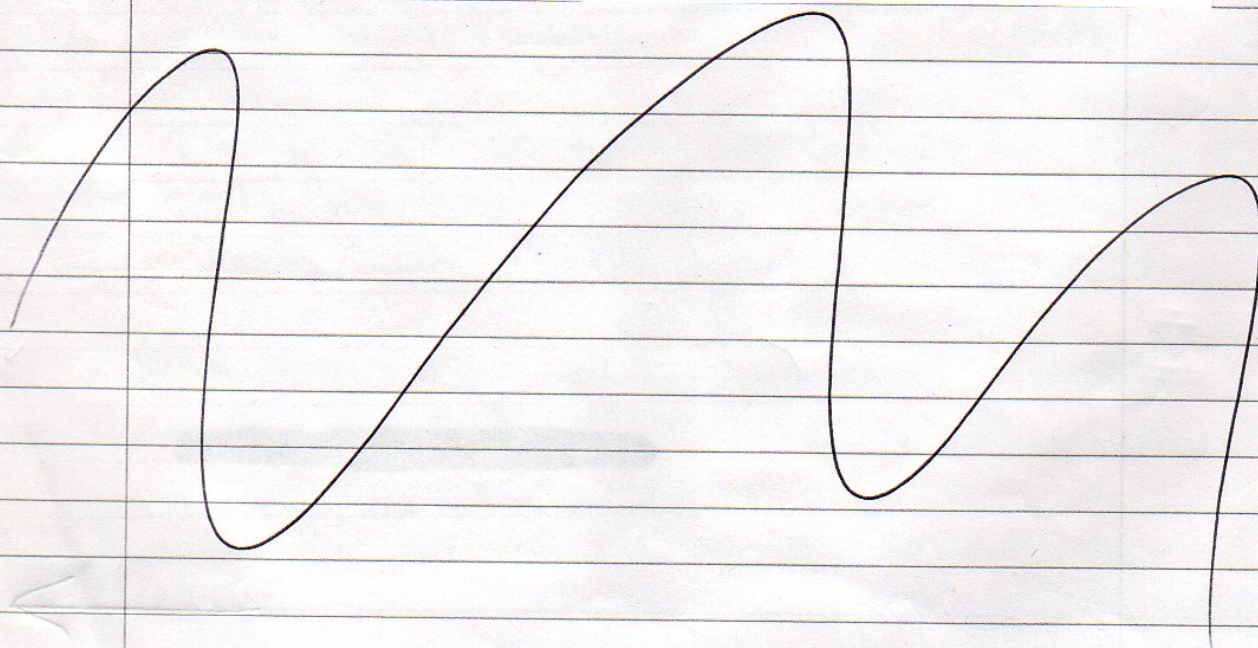
For the logbook:

0780, Torca de la Corcada, 3 September 2019, Patrick and Sandrine Degouve, Guy Simonnot, PS

The top of the new pitch was opened up and Sandrine descended first. It's about 20m with a rebelay in the middle. The passage out of the spacious chamber at the bottom of the shaft is a narrow hading rift that after about 10m comes to the top of a bigger pitch. It was rigged with one rebelay and a deviation and the 3 French cavers descended. They found a large chamber with a big boulder choke and a high aven. A short drop between the wall and the boulders is a possible way on (undescended).

And attached here is Patrick's email asking for survey data of the cave in visualtopo. Is that possible? Meanwhile I'll ask him for his survey data from yesterday.

Cheers, Pete



VALLINA DOWNSTREAM SUMP 6 PROJECT

Rupert Skorupka

Weds 21st August The first job was to exchange the knackered drysuit at my camp for a working one. Thanks to Phil and Pedro for accompanying me to the head of the pitches on this trip as I had both the drysuit and my wetsuit to carry, ie. 2 big bags. Water was quite high after 3 days rain.

I changed into the new suit and clean undersuit at the downstream sumps and dived through these, went up the pitch and changed into the old suit and musty underwear, and also collected a tub of fresh absorbent for the rebreather. Sump 6 was then visited, where the fresh absorbent was put into the canister. This job normally takes about 10 minutes if in a nice room, but it is such a ball-ache of a place to work at the sump, it takes about one hour. The rebreather was then pressure tested and all was found to be working fine. Also, 2 x 1 pound weights were added, one to each side of the canister, as a final fine adjustment to the trim, and the 4 pound top weight removed.

The dive out was completed without incident, and the old suit which was waterlogged and weighed a ton, carried back to the bottom of the pitch. The old underwear was brought out. 9 hours

Thurs 22nd. Dived the sumps with a new tub of absorbent and more rebreather spares. Changed from wet to dry suit at camp and down to sump 6. One torch failed here. Only intended a short test dive anyway so this wasn't an issue. At about 100m in the vis went down significantly as the back edge of the floodwater from the rain was met, so the dive was turned here. The new trim was perfect, as was the new drysuit.

Usual trip out, carrying an empty cylinder (as air is still used in the passage of sumps 1 to 5). 10 hours

Fri 23rd. Pulled the old drysuit out from the pitch. As it was a red hot day, I got it dried inside and out, ready for return to the UK where it will be repaired, ready for when the current suit gets damaged.

Sat 24th. Usual routine down to sump 6. Everything now working as required and the vis had improved to over 10 metres. Had a very slow relaxed swim to the current end of the line at c. 200 metres. The old line is useable but the tags have gone so I will re-line alongside it. The tunnel is very large but quite silty and rising slightly from beyond where I had reached on previous dives.

Uneventful return, excited as hopefully the next dive will be into new ground. 9 hour trip. On exiting the weather wasn't looking too good.....

Sun 25th. Storms have returned to the forecast for Cantabria. As a result , I just went to the pitch and carried an empty bottle out.

Mon 26th. Still unstable weather, despite assurances from Phil that it would definitely not rain today. This was the last chance for a push dive, but I have made it a rule not to dive here if storms are forecast so that was that. By 5pm it was stair-rodging it down and a river was running down the road past the house.

Tues 27th. Time had run out so it was now imperative to recover the rebreather and get it safe and stripped down. In the cave, the streamway was if anything, lower, and vis was even better. This confirms what I have finally come to realise, that it is only feasible to dive this site in the summer months when the ground water is low and heavy rain can be soaked up.

At sump 6, the small bottles were detached along with all lead, and tied off with the bailout tanks. The rebreather was then brought back up the pitch where it was stripped, dried, disinfected and the various components put into storage. The waste absorbent was brought out along with all my accumulated rubbish.

Back at sump 1, after de-kitting, the 10 litre ali Luxfer tank was valved up and checked ready for tomorrows job of getting it to sump 6. A 7.5 hour trip.

Weds 28th. As planned, carried the full bailout tank through the sumps and down to sump 6, where it was exchanged for a less than full 7 litre for the dive out. Then pulled the SRT kit and rope up above flood level using a pull through line secured in the streamway (which floods to about 8 metres height). Everything to be left in the cave was then bagged up at the sumps and the remaining dive gear brought back to the pitch. Brought out my wetsuit and emerged to more rain and an overcast sky after 6.5 hours.

Thurs 29th. Had a plane to catch today so this was a last short trip to retrieve my dive gear and SRT kit , while also getting a full tank in to the pitch head. Pulled up and coiled the ropes on the D. Dutch and had a final plod out emerging after 2 hours, ready for a rest.

6/9/19 List/catalogue of recent bone finds. From
Pete Smith.

Sept. 1557 False Floor Cave. Bolt + etries used to
enter cave. 6m long. P. Papard explored.

From: Peter Smith <smith_peter2004@yahoo.es>

To: Juan Corrin <uzueka@aol.com>; Phil Papard <papard@easynet.co.uk>; Big Steve Martin
<big_stevemartin@hotmail.com>; James Lister <jimp_lister@icloud.com>

Subject: Aguanaz

Date: Thu, Sep 19, 2019 1:01 pm

Hello all

A couple of members of the Guardia Civil mountain and cave rescue team went into the cave this morning, hopefully 'looking for evidence'. I showed them the entrance. I'll detackle the ladder down to the stream at the first opportunity now.

Cheers, Pete

MATIENZO CAVES PROJECT